

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062855.D
 Acq On : 24 Jun 2019 23:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 10:00:00 AM

Quant Time: Jun 25 06:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	986275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1387567	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1175741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	643825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	572880	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	6.94	113	586233	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.41	98	1287404	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	13.56	95	582313	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	536984	42.074	ug/l	98
3) Chloromethane	1.76	50	419475	43.702	ug/l	92
4) Vinyl Chloride	1.85	62	437998	46.024	ug/l	100
5) Bromomethane	2.15	94	193134	43.334	ug/l	97
6) Chloroethane	2.27	64	201854	46.849	ug/l	91
7) Trichlorofluoromethane	2.54	101	831735	43.185	ug/l	98
8) Diethyl Ether	2.87	74	144790	59.167	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	530662	50.858	ug/l	97
10) Methyl Iodide	3.31	142	728274	52.905	ug/l	97
11) Tert butyl alcohol	4.09	59	144758	296.472	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	377864	48.275	ug/l	93
13) Acrolein	3.04	56	117541	235.806	ug/l	98
14) Allyl chloride	3.63	41	630081	54.478	ug/l	93
15) Acrylonitrile	4.20	53	352248	307.024	ug/l #	92
16) Acetone	3.23	43	570938	262.977	ug/l	100
17) Carbon Disulfide	3.37	76	1181005	47.210	ug/l #	94
18) Methyl Acetate	3.65	43	199867	61.758	ug/l	93
19) Methyl tert-butyl Ether	4.25	73	1000624	59.052	ug/l	97
20) Methylene Chloride	3.82	84	403916	49.402	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	444623	53.348	ug/l	92
22) Diisopropyl ether	5.14	45	1386435	58.945	ug/l	99
23) Vinyl Acetate	5.08	43	4277194	290.609	ug/l	99
24) 1,1-Dichloroethane	4.99	63	814907	53.213	ug/l	99
25) 2-Butanone	6.08	43	632239	315.317	ug/l	93
26) 2,2-Dichloropropane	6.03	77	751790	46.315	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	477025	54.124	ug/l	97
28) Bromochloromethane	6.45	49	285841	52.997	ug/l	98
29) Tetrahydrofuran	6.48	42	306371	322.943	ug/l	98
30) Chloroform	6.67	83	971017	52.138	ug/l	96
31) Cyclohexane	6.97	56	538863	53.525	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	944872	48.709	ug/l	95
36) 1,1-Dichloropropene	7.15	75	608203	46.303	ug/l	90
37) Ethyl Acetate	6.20	43	287344	52.123	ug/l	99
38) Carbon Tetrachloride	7.13	117	955839m	48.385	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	586300	50.708	ug/l	99
40) Benzene	7.47	78	1381920	52.412	ug/l	95
41) Methacrylonitrile	6.47	41	389489	56.227	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	768858	53.454	ug/l	98
43) Isopropyl Acetate	9.25	43	408370	59.301	ug/l #	97
44) Trichloroethene	8.54	130	524603	50.751	ug/l	92
45) 1,2-Dichloropropane	8.95	63	341600	52.103	ug/l	99
46) Dibromomethane	9.07	93	303889	53.959	ug/l	90
47) Bromodichloromethane	9.39	83	770192	52.657	ug/l	99
48) Methyl methacrylate	9.13	41	283736	57.980	ug/l	98
49) 1,4-Dioxane	9.09	88	49736	1221.604	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	1376562	281.943	ug/l	99
52) Toluene	10.52	92	916985	51.738	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	641648	53.597	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	658468	50.604	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	312418	51.307	ug/l	97
56) Ethyl methacrylate	11.05	69	376594	57.871	ug/l	96
57) 1,3-Dichloropropane	11.42	76	504702	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	955733	286.078	ug/l	99
59) 2-Hexanone	11.55	43	1020300	293.426	ug/l	98
60) Dibromochloromethane	11.69	129	617228	54.420	ug/l	96
61) 1,2-Dibromoethane	11.81	107	391300	54.411	ug/l	96
64) Tetrachloroethene	11.27	164	509904	52.694	ug/l	96
65) Chlorobenzene	12.40	112	1160078	53.165	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	527312	51.674	ug/l	91
67) Ethyl Benzene	12.53	91	1896394	48.407	ug/l	98
68) m/p-Xylenes	12.68	106	1378215	101.007	ug/l	95
69) o-Xylene	13.05	106	642395	51.501	ug/l	98
70) Styrene	13.08	104	1151069	52.539	ug/l	92
71) Bromoform	13.24	173	384757	55.032	ug/l #	92
73) Isopropylbenzene	13.41	105	2037427	49.355	ug/l	99
74) N-amyl acetate	13.27	43	560213	55.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	375624	55.846	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	365717	49.205	ug/l	97
77) Bromobenzene	13.67	156	569694	51.308	ug/l	95
78) n-propylbenzene	13.78	91	2277092	47.393	ug/l	99
79) 2-Chlorotoluene	13.85	91	1403227	51.104	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1681532	48.495	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	105545	54.183	ug/l	91
82) 4-Chlorotoluene	13.95	91	1574570	47.632	ug/l	94
83) tert-Butylbenzene	14.19	119	1936316	50.099	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1631308	45.901	ug/l	99
85) sec-Butylbenzene	14.37	105	1902681	45.294	ug/l	97
86) p-Isopropyltoluene	14.50	119	1946006	50.638	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	1004130	50.450	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	988645	49.454	ug/l	97
89) n-Butylbenzene	14.80	91	1700196	47.269	ug/l	95
90) Hexachloroethane	15.01	117	483256	46.770	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	895060	52.561	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	76344	58.154	ug/l	63

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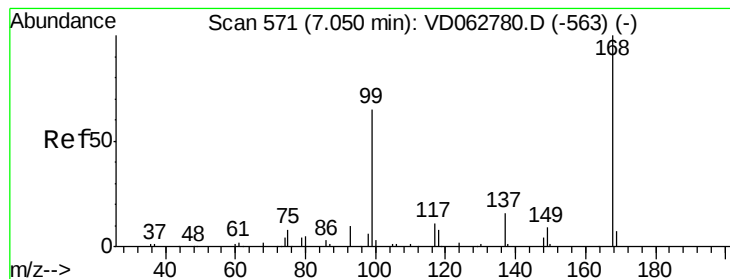
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	662078	49.771	ug/l	98
94) Hexachlorobutadiene	16.04	225	488976	48.116	ug/l	95
95) Naphthalene	16.12	128	1111192	59.598	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	560977	54.886	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



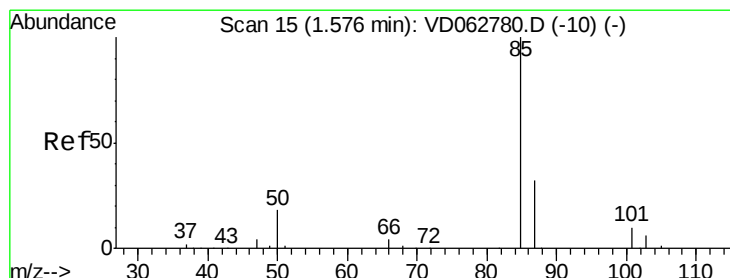
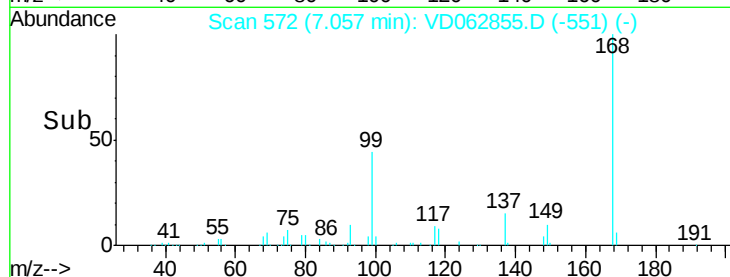
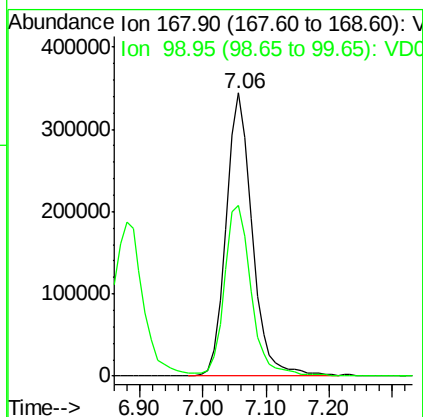
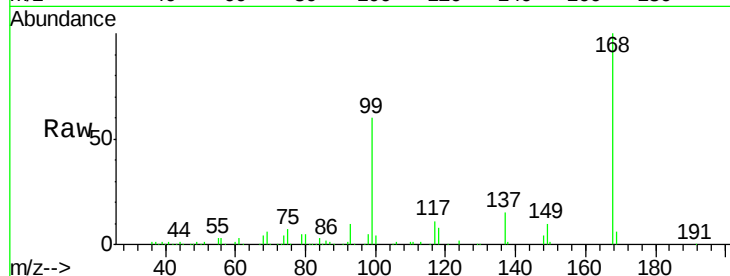
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

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MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 986275
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6

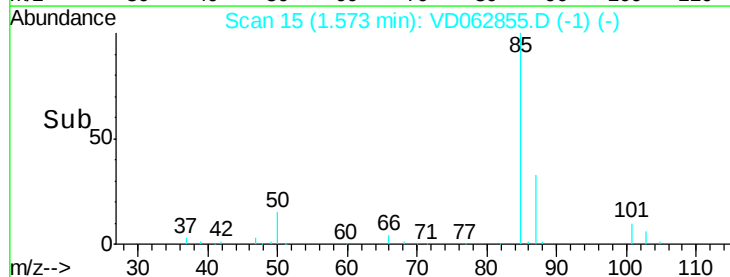
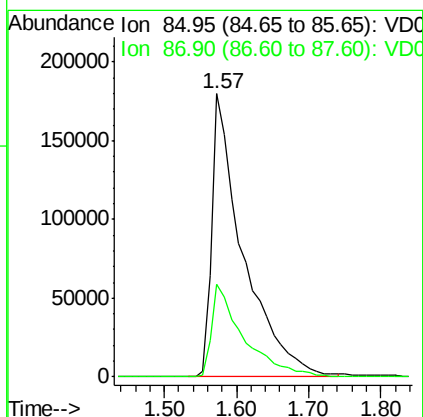
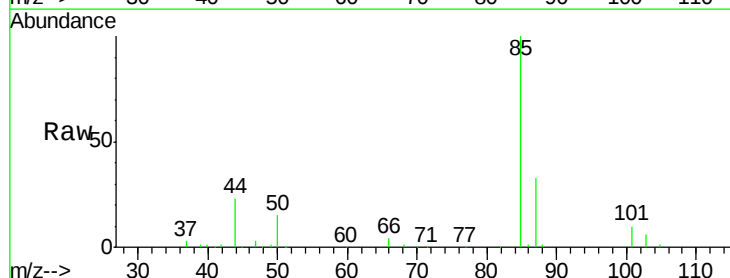
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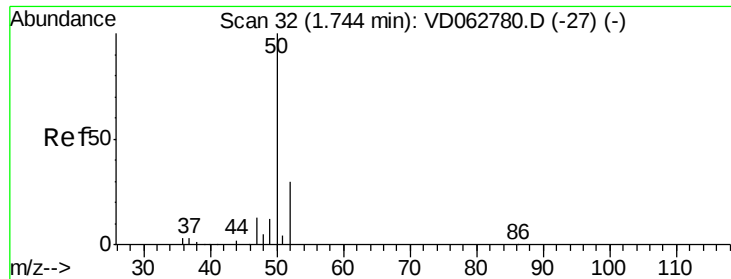
MMDadoda
6/25/2019 10:00:00 AM



#2
Dichlorodifluoromethane
Concen: 42.074 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 85 Resp: 536984
Ion Ratio Lower Upper
85 100
87 32.6 15.9 47.6





#3

Chloromethane

Concen: 43.702 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 419475

Ion Ratio Lower Upper

50 100

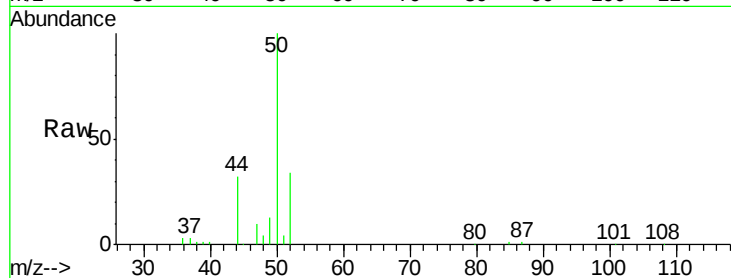
52 34.0 23.6 35.4

Manual Integrations

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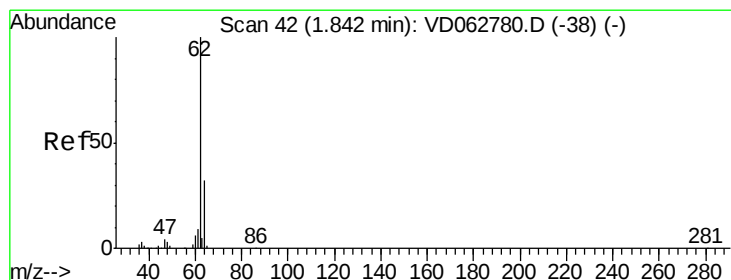
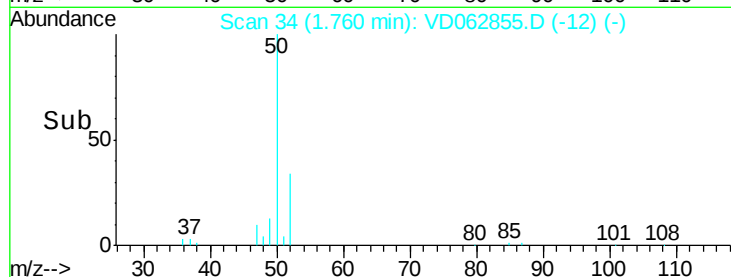
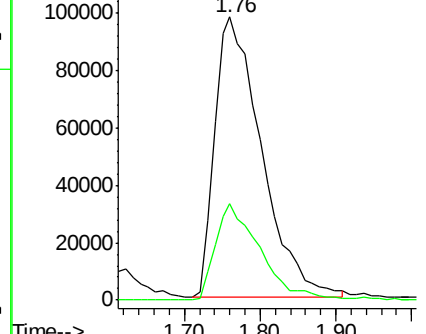
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.024 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062855.D

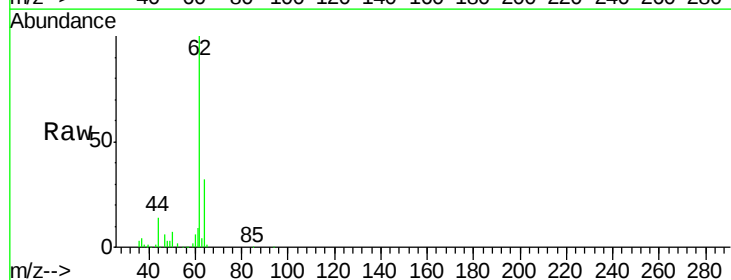
Acq: 24 Jun 2019 23:48

Tgt Ion: 62 Resp: 437998

Ion Ratio Lower Upper

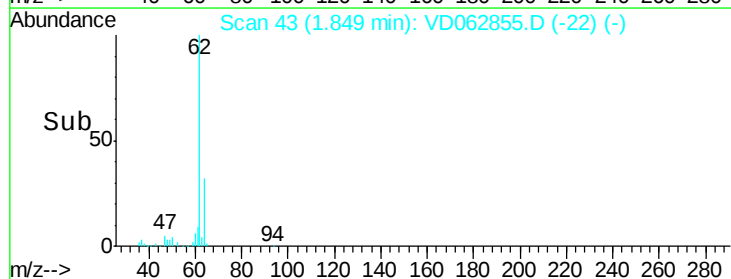
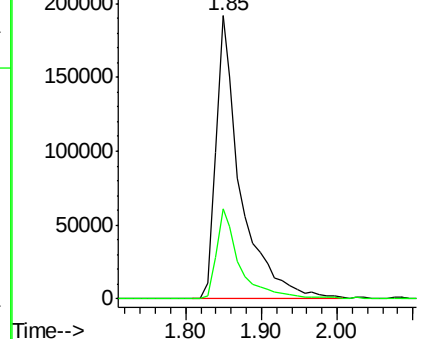
62 100

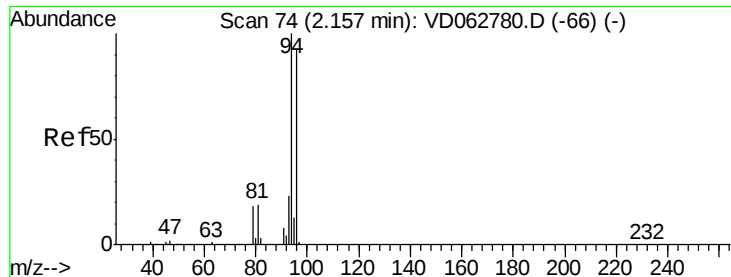
64 31.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.334 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

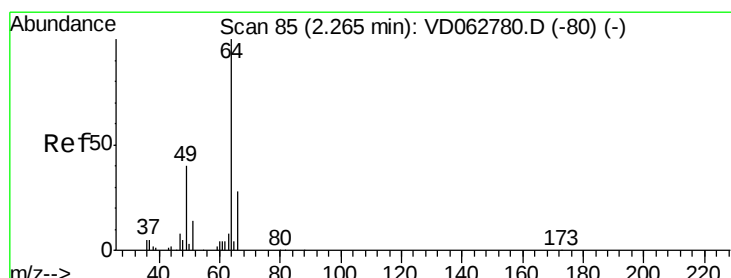
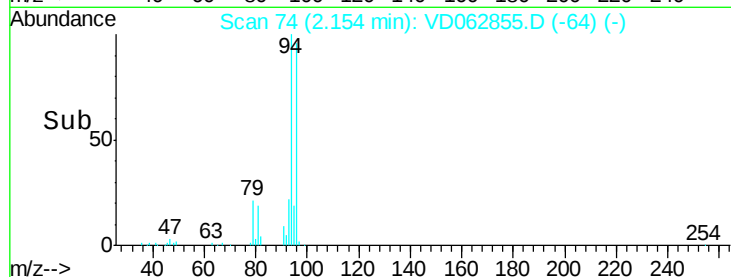
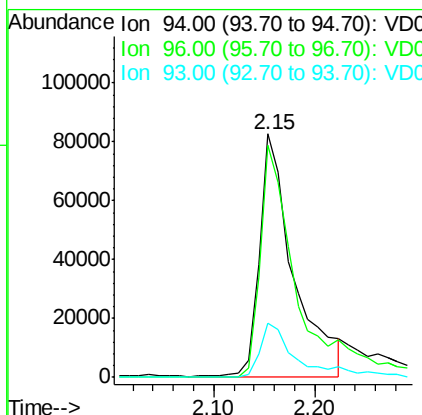
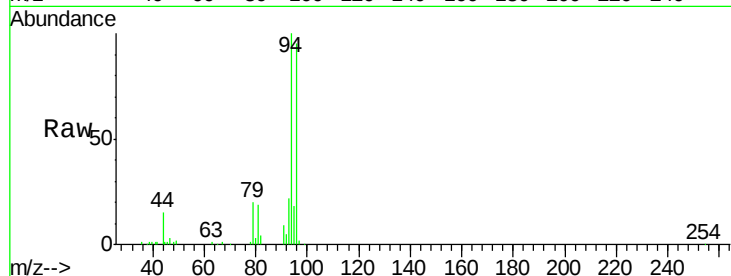
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	193134
Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.4	110.2
93	22.0	18.2	27.4

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#6

Chloroethane

Concen: 46.849 ug/l

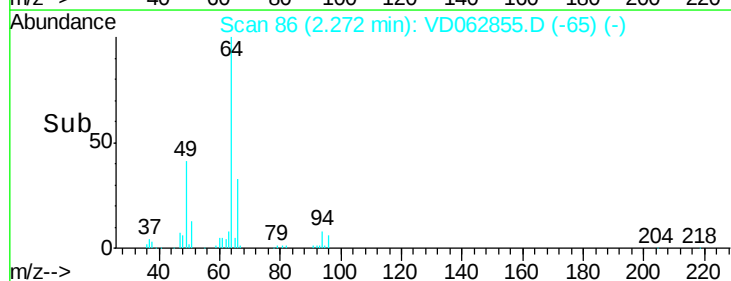
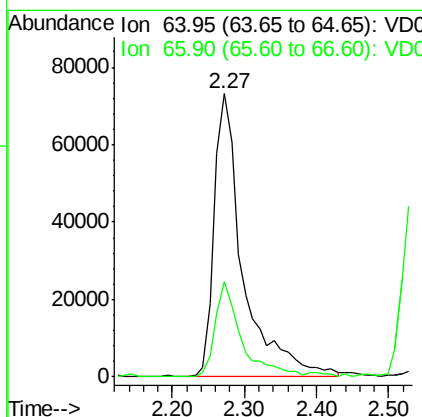
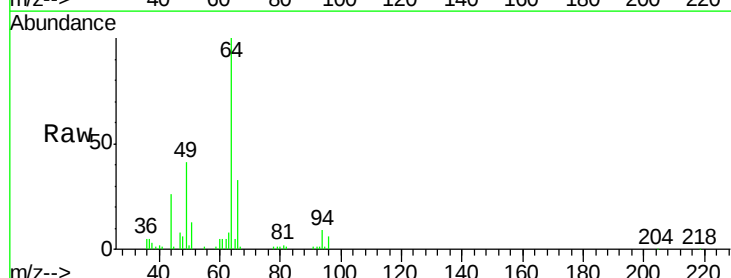
RT: 2.27 min Scan# 86

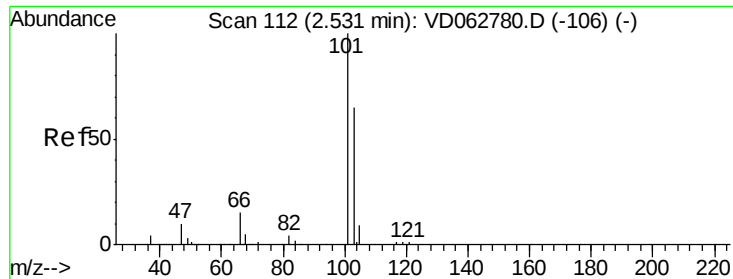
Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	64	Resp:	201854
Ion	Ratio	Lower	Upper
64	100		
66	33.5	23.0	34.4





#7

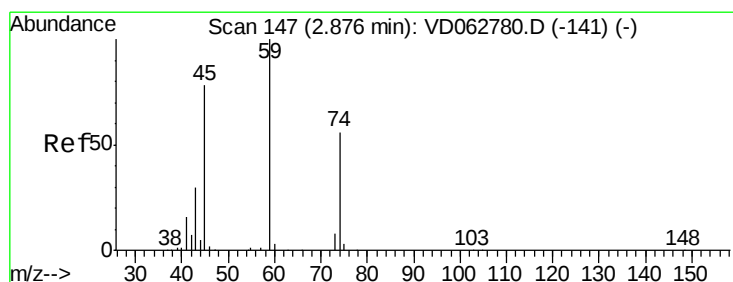
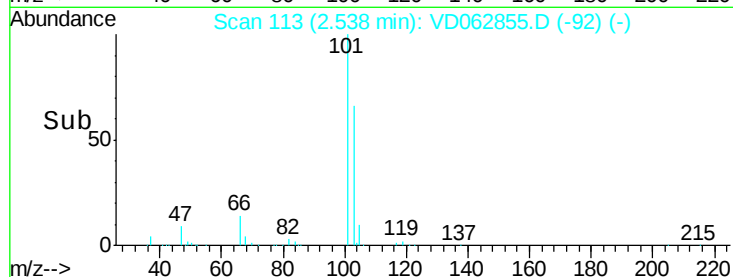
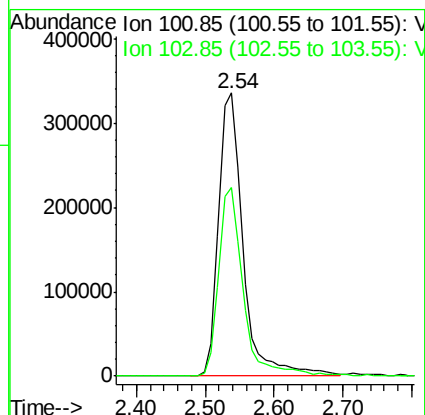
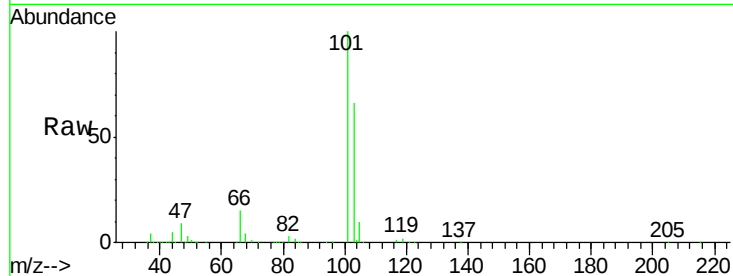
Trichlorofluoromethane
Concen: 43.185 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.8

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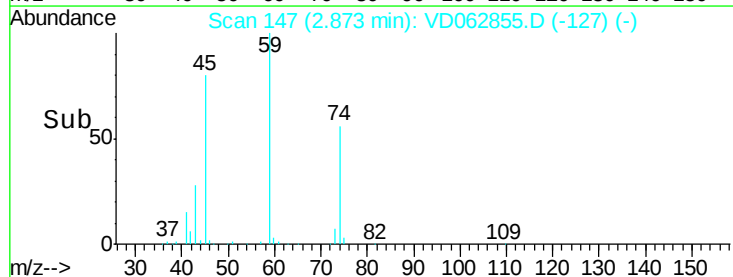
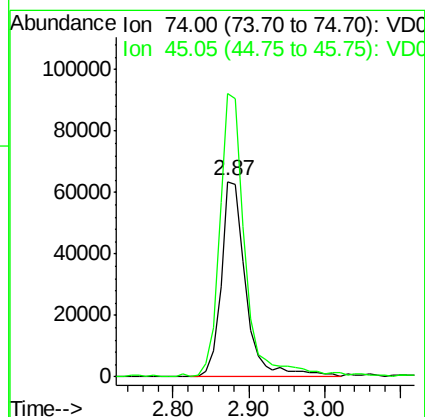
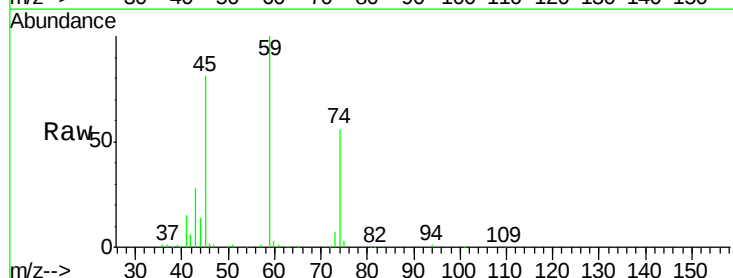
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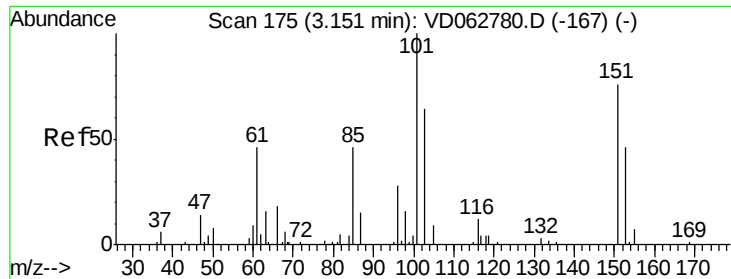


#8

Diethyl Ether
Concen: 59.167 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.8	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.858 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

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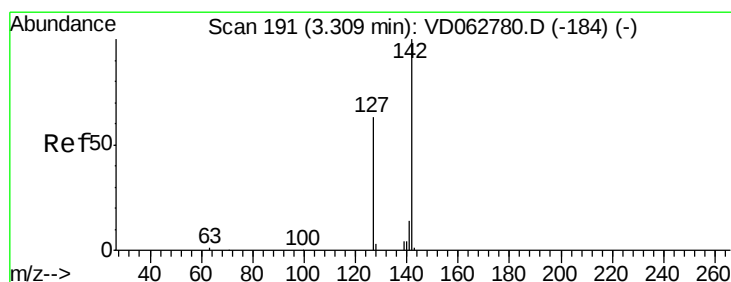
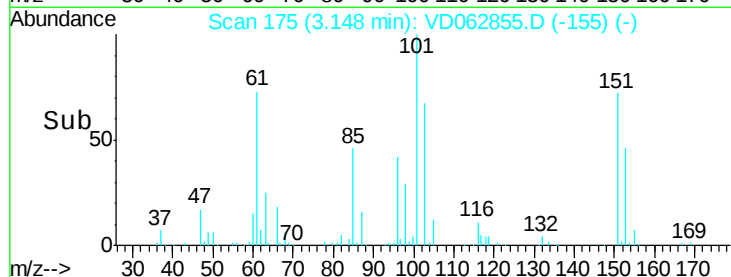
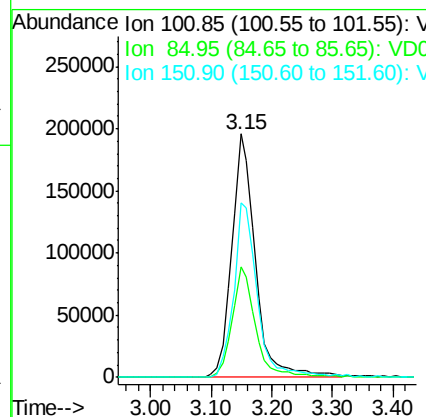
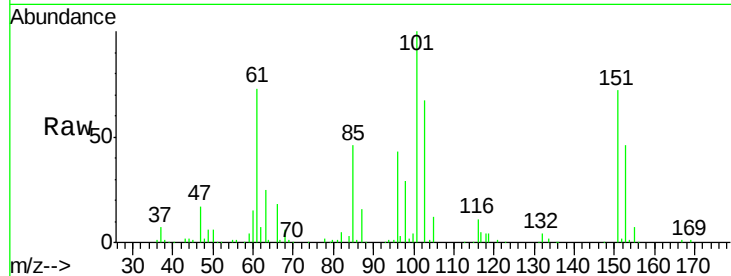
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	530662
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.0	55.4
151	71.6	60.5	90.7

Manual Integrations
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#10

Methyl Iodide

Concen: 52.905 ug/l

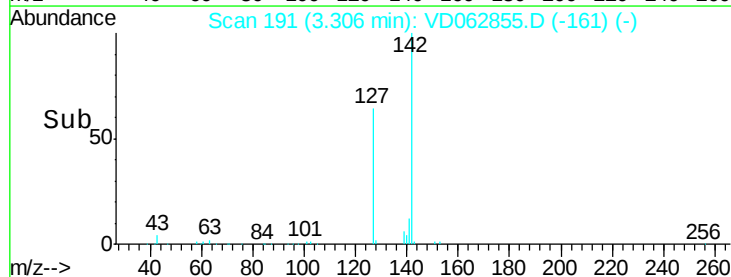
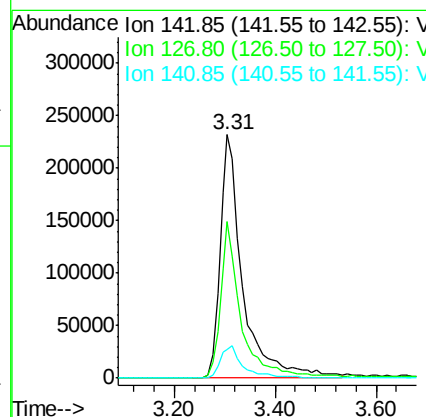
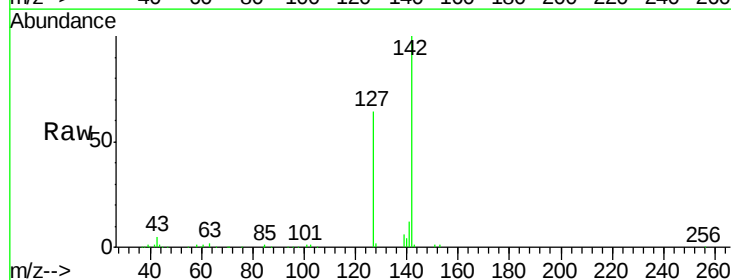
RT: 3.31 min Scan# 191

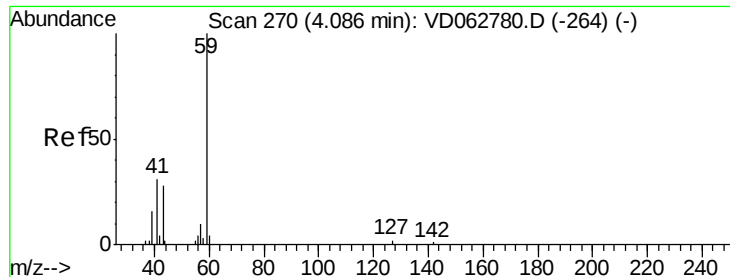
Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	142	Resp:	728274
Ion Ratio	Lower	Upper	
142	100		
127	64.3	50.1	75.1
141	11.8	11.0	16.4





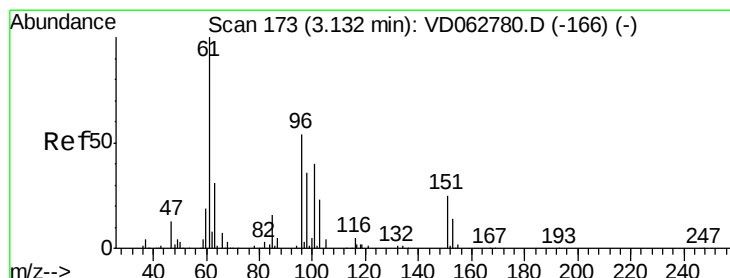
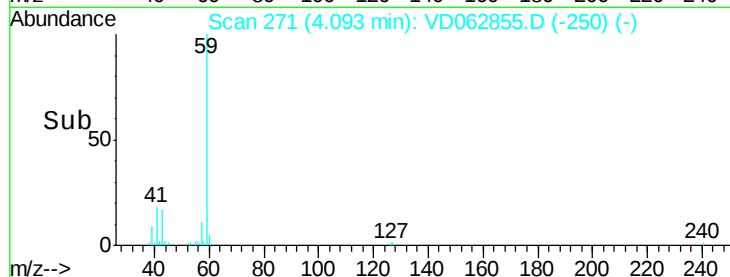
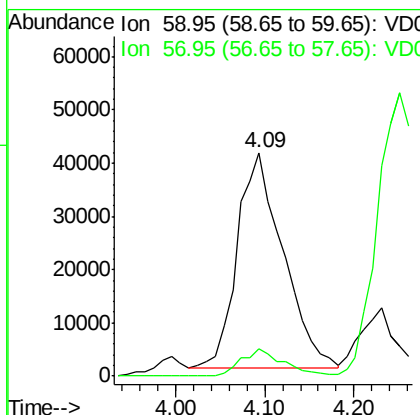
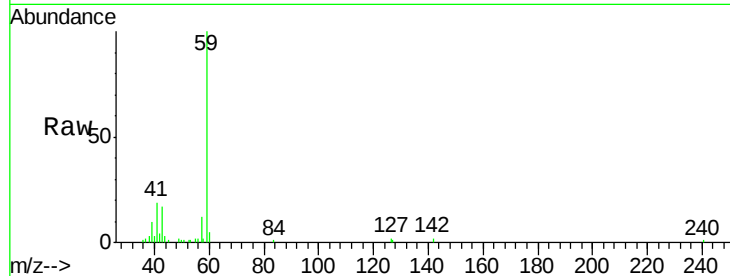
#11
Tert butyl alcohol
Concen: 296.472 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 144758
Ion Ratio Lower Upper
59 100
57 12.0 6.6 10.0#

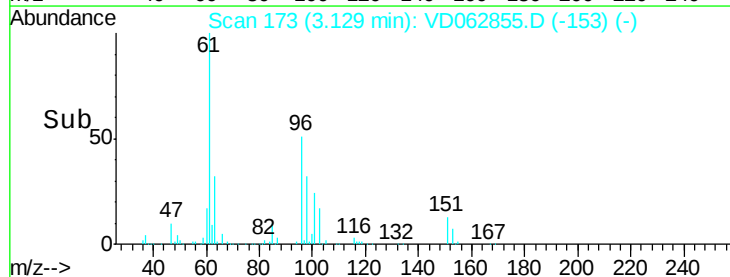
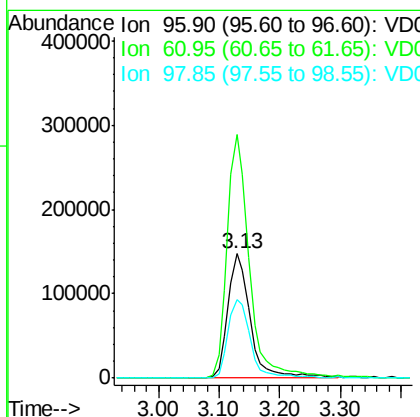
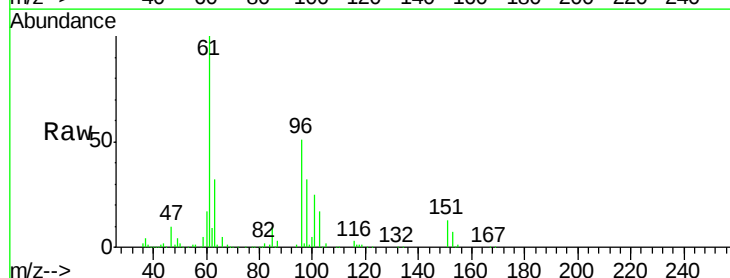
Manual Integrations
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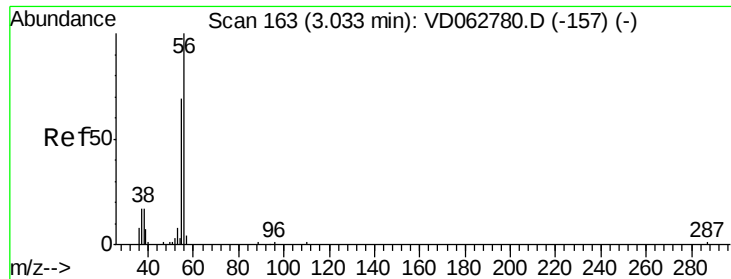
MMDadoda
6/25/2019 10:00:00 AM



#12
1,1-Dichloroethene
Concen: 48.275 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 96 Resp: 377864
Ion Ratio Lower Upper
96 100
61 195.5 147.1 220.7
98 63.1 52.6 79.0





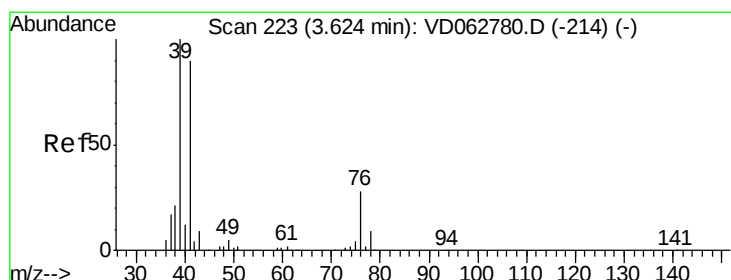
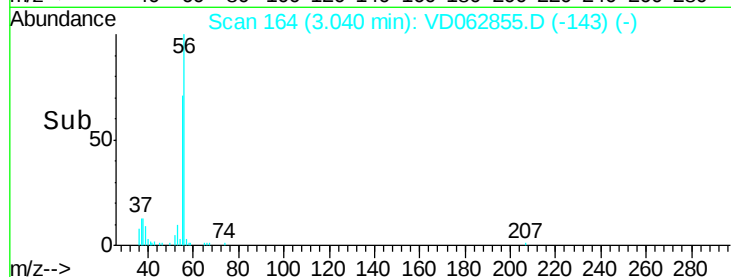
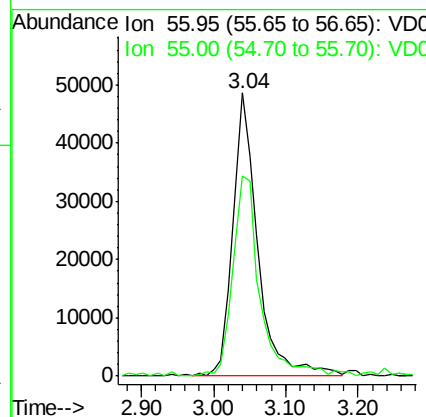
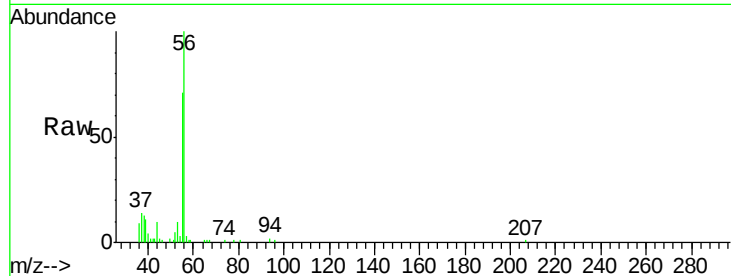
#13
Acrolein
Concen: 235.806 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 117541
Ion Ratio Lower Upper
56 100
55 70.9 55.4 83.0

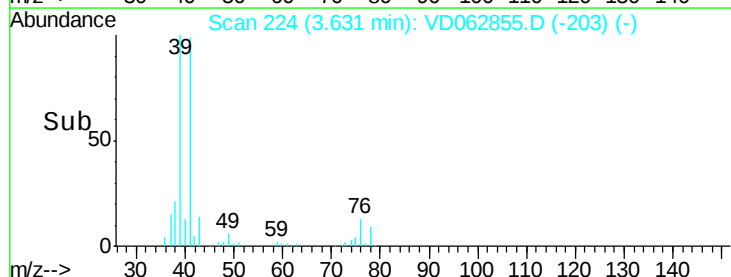
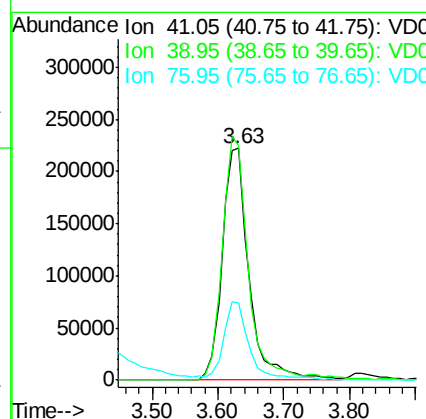
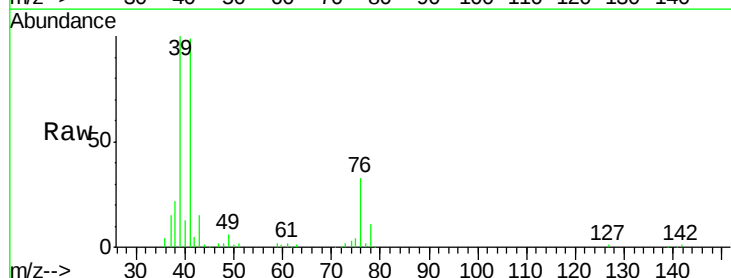
Manual Integrations
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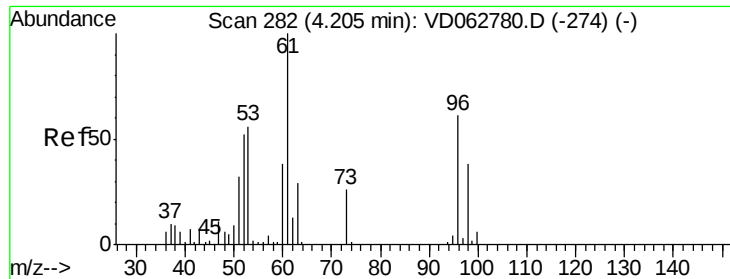
MMDadoda
6/25/2019 10:00:00 AM



#14
Allyl chloride
Concen: 54.478 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 41 Resp: 630081
Ion Ratio Lower Upper
41 100
39 101.5 88.8 133.2
76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 307.024 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 352248

Ion Ratio Lower Upper

53 100

52 94.2 73.3 109.9

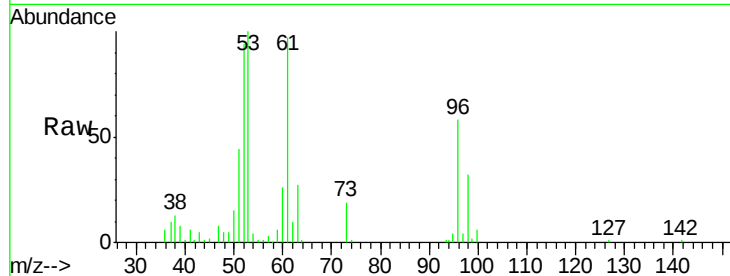
51 44.0 44.8 67.2#

Manual Integrations

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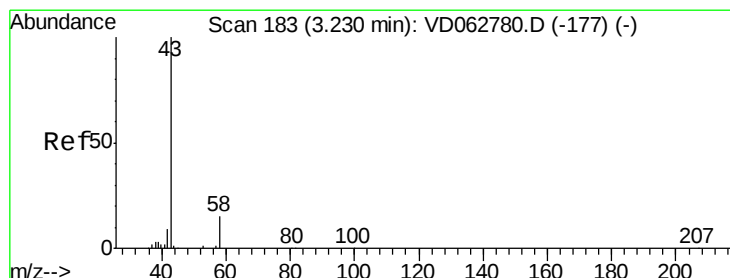
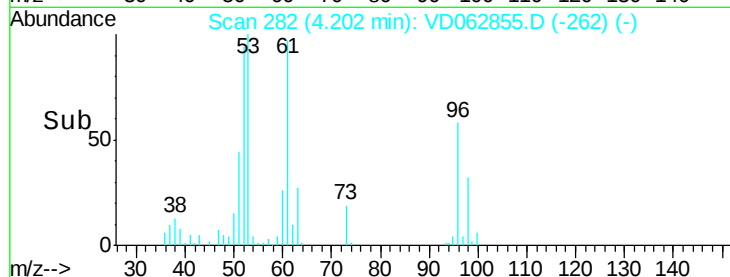
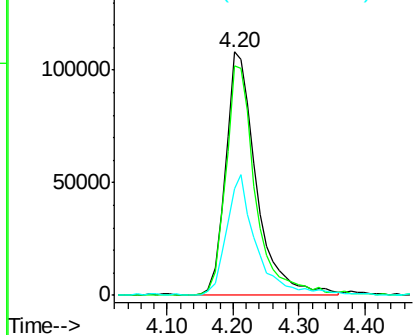
6/25/2019 10:00:00 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 262.977 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062855.D

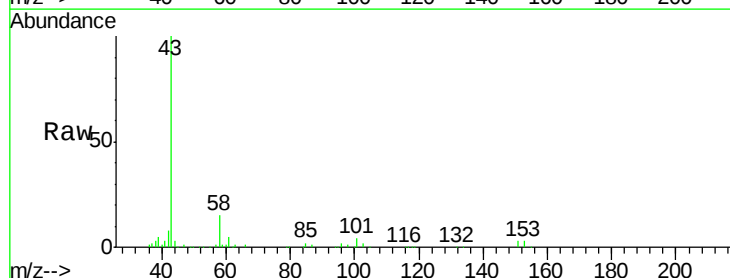
Acq: 24 Jun 2019 23:48

Tgt Ion: 43 Resp: 570938

Ion Ratio Lower Upper

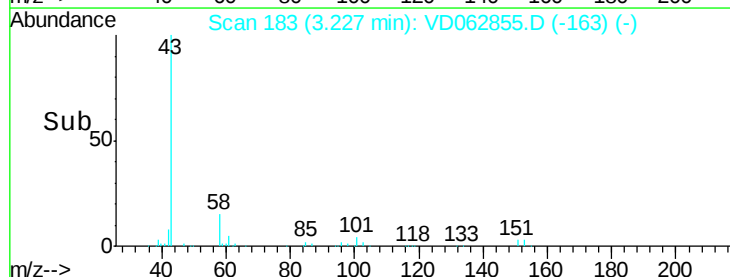
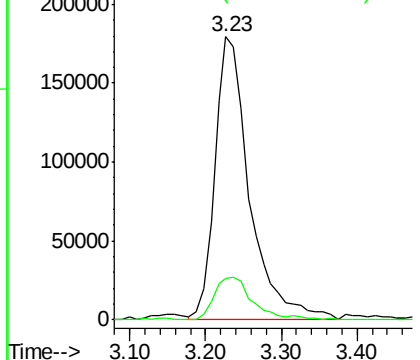
43 100

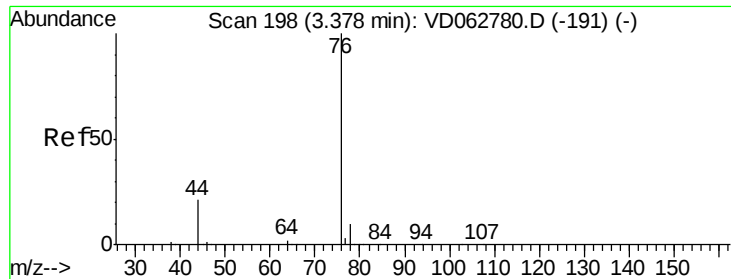
58 14.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





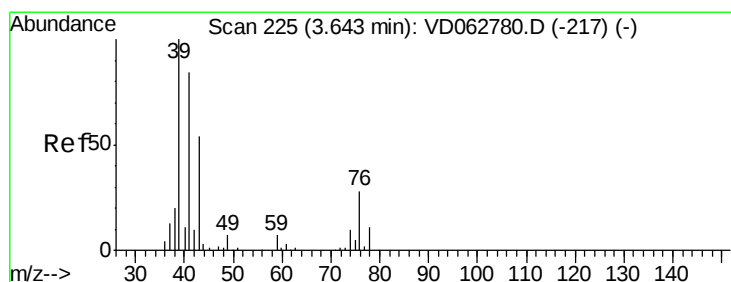
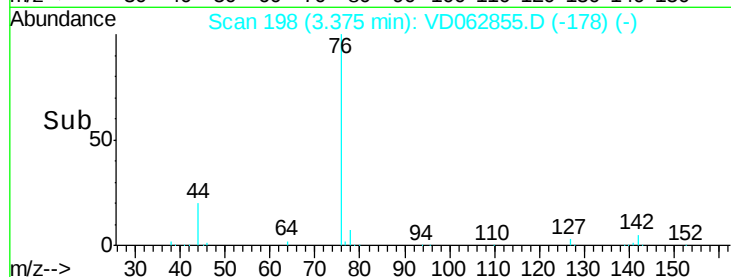
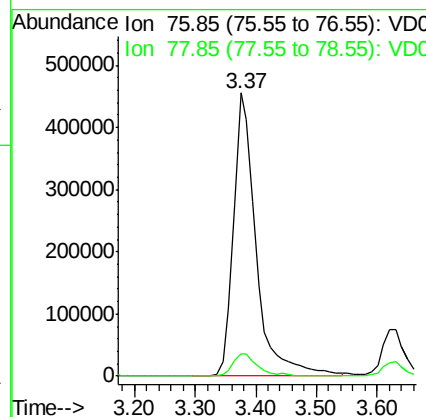
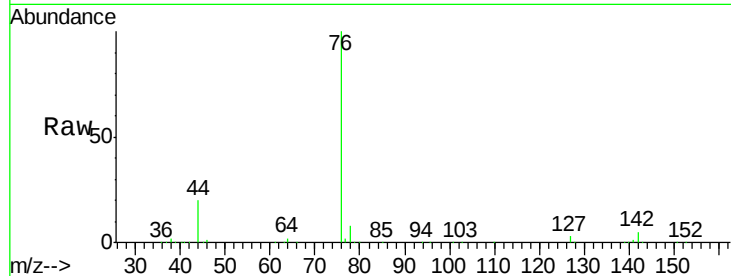
#17
Carbon Disulfide
Concen: 47.210 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1181005
Ion Ratio Lower Upper
76 100
78 7.8 8.0 12.0#

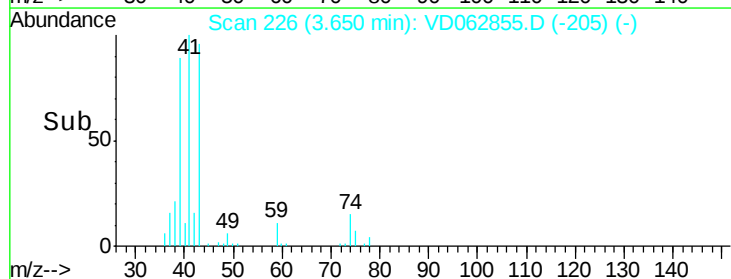
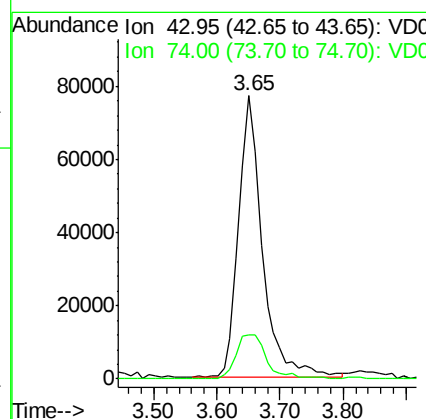
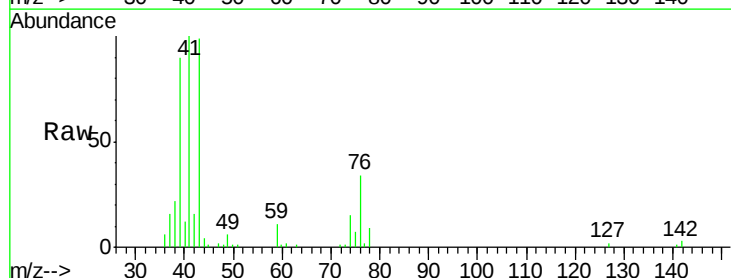
Manual Integrations
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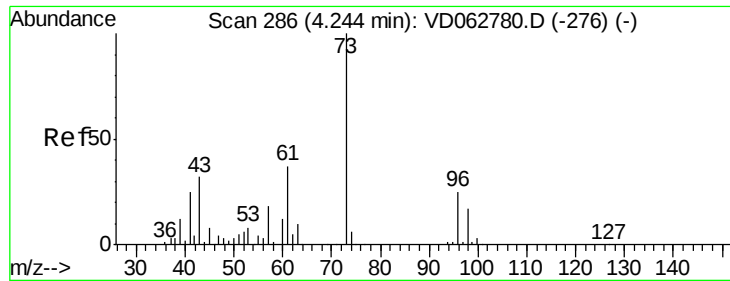
MMDadoda
6/25/2019 10:00:00 AM



#18
Methyl Acetate
Concen: 61.758 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 43 Resp: 199867
Ion Ratio Lower Upper
43 100
74 15.6 15.2 22.8





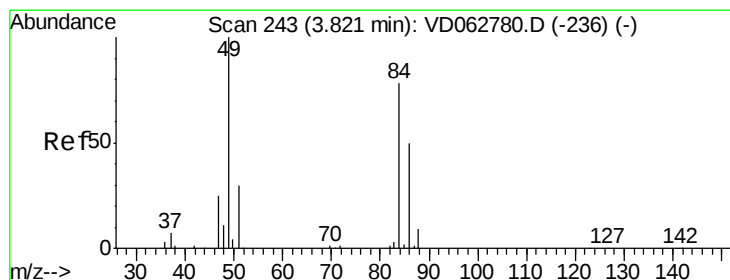
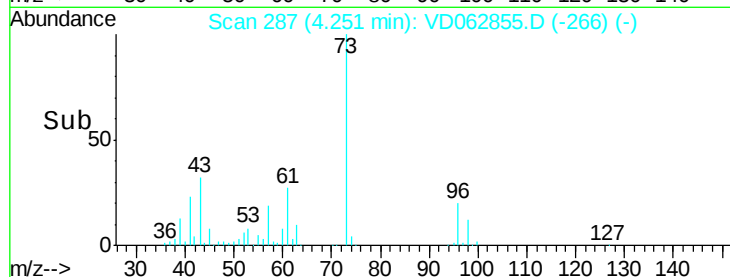
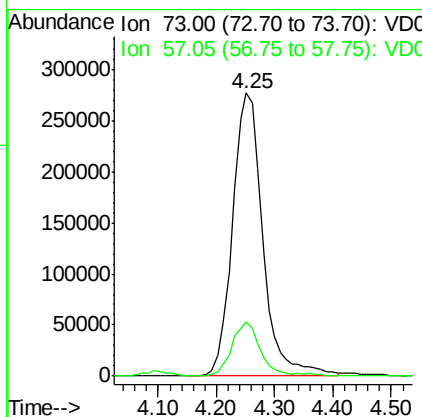
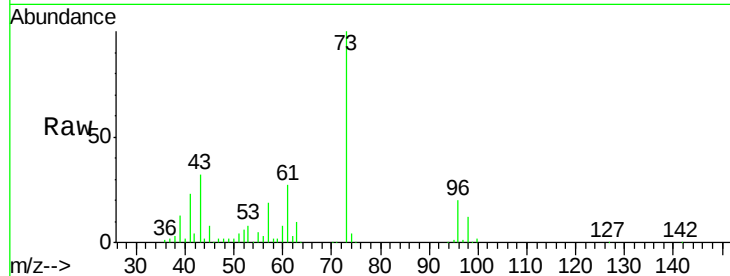
#19
Methyl tert-butyl Ether
Concen: 59.052 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1000624
Ion Ratio Lower Upper
73 100
57 19.2 14.3 21.5

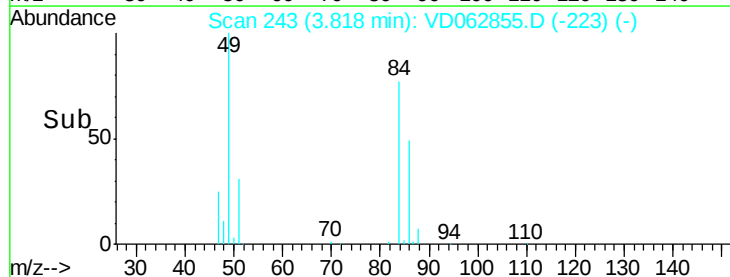
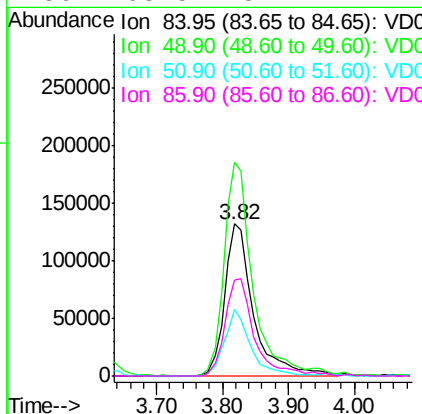
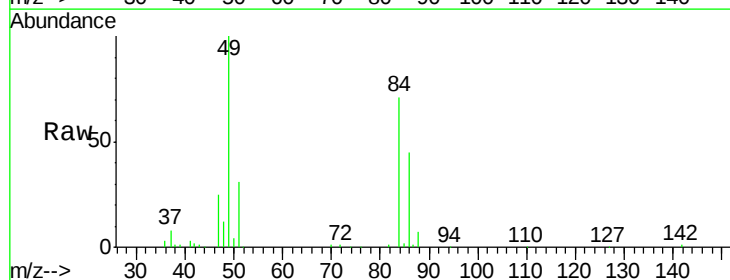
Manual Integrations
APPROVED

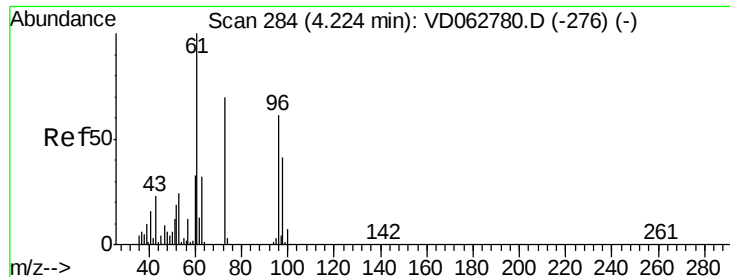
MMDadoda
6/25/2019 10:00:00 AM



#20
Methylene Chloride
Concen: 49.402 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 84 Resp: 403916
Ion Ratio Lower Upper
84 100
49 140.7 102.9 154.3
51 43.4 31.2 46.8
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.348 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 444623

Ion Ratio Lower Upper

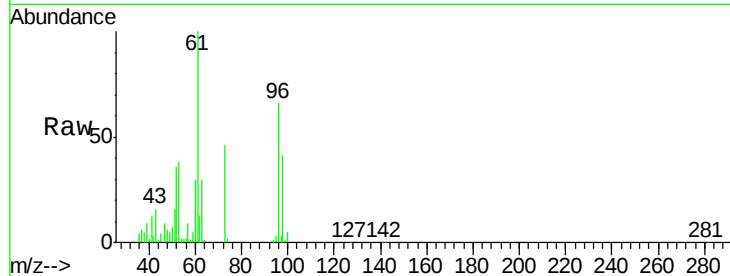
96 100

61 151.2 131.0 196.4

98 62.6 53.2 79.8

Manual Integrations
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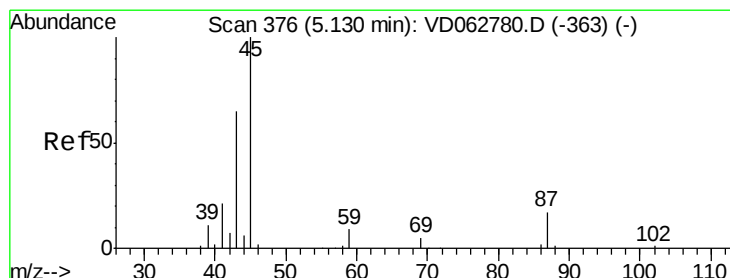
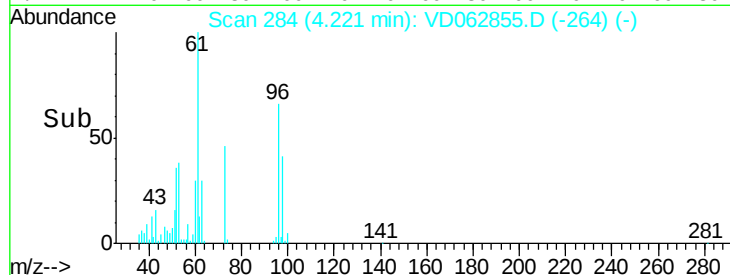
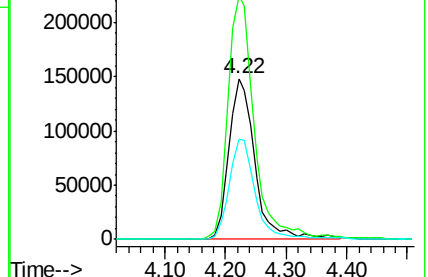
MMDadoda
6/25/2019 10:00:00 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 58.945 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion: 45 Resp: 1386435

Ion Ratio Lower Upper

45 100

43 66.7 53.4 80.0

87 19.1 14.6 22.0

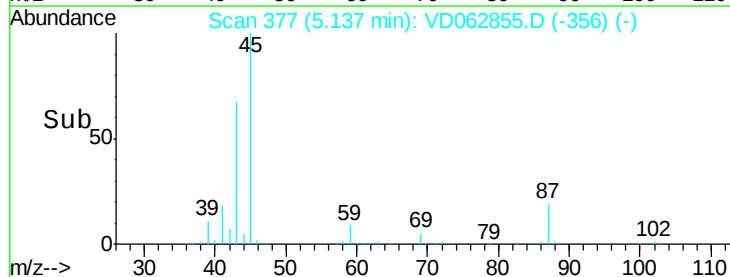
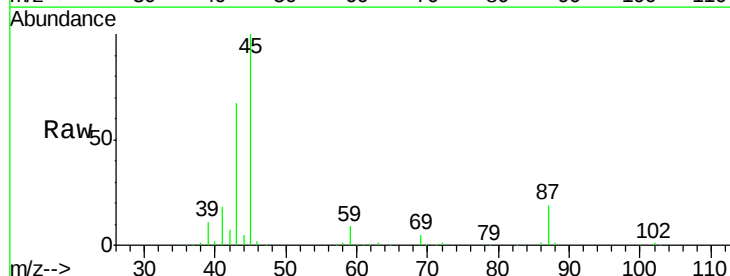
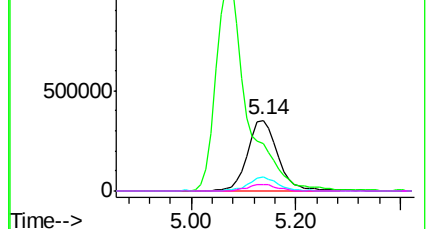
59 9.2 7.8 11.8

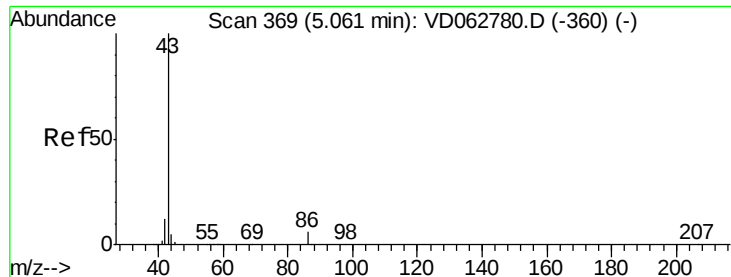
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





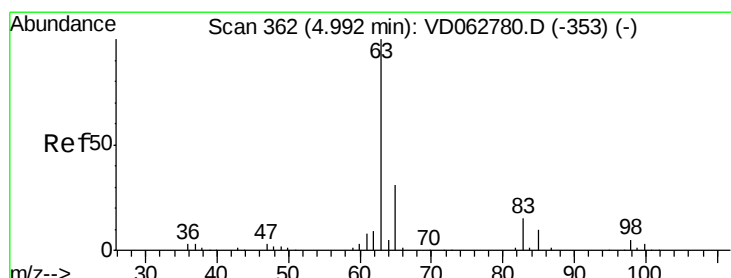
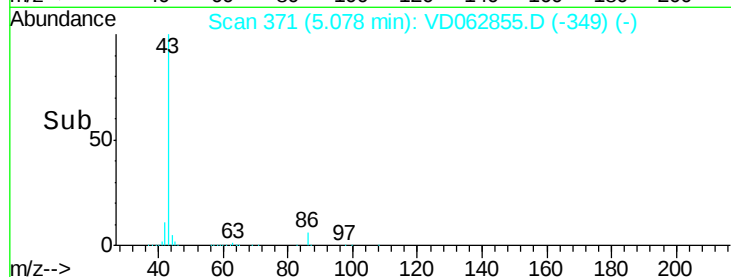
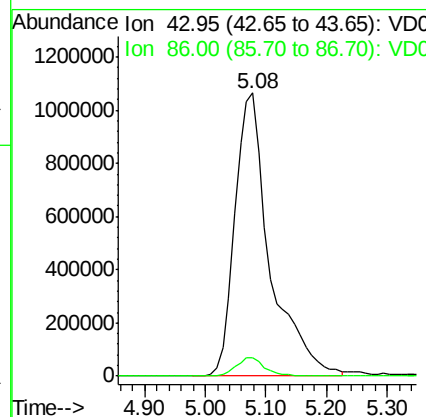
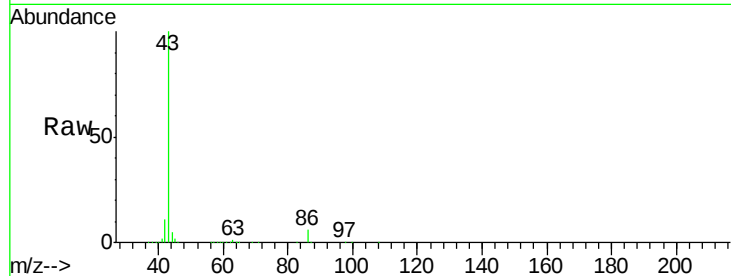
#23
 Vinyl Acetate
 Concen: 290.609 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 4277194
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.7 7.1

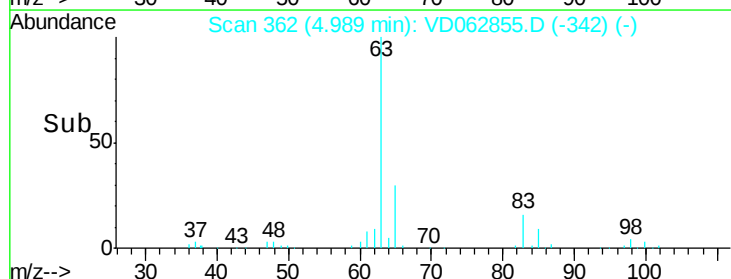
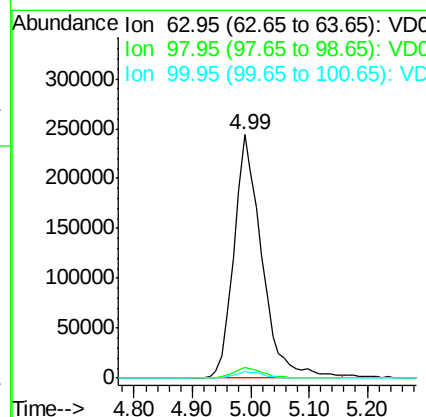
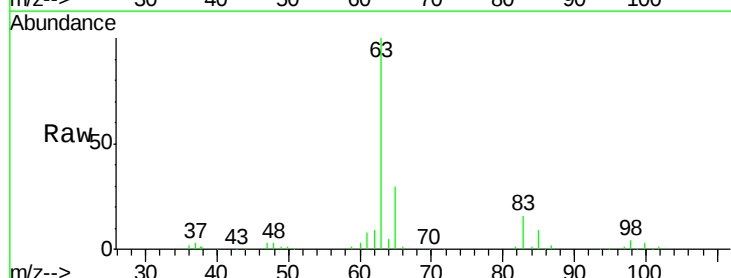
Manual Integrations
 APPROVED

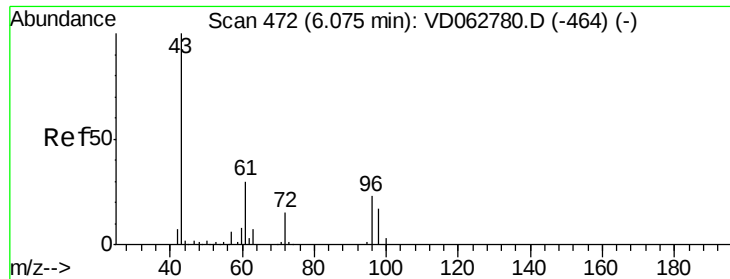
MMDadoda
 6/25/2019 10:00:00 AM



#24
 1,1-Dichloroethane
 Concen: 53.213 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 63 Resp: 814907
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.3 6.9
 100 2.7 1.7 5.1





#25

2-Butanone

Concen: 315.317 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 632239

Ion Ratio Lower Upper

43 100

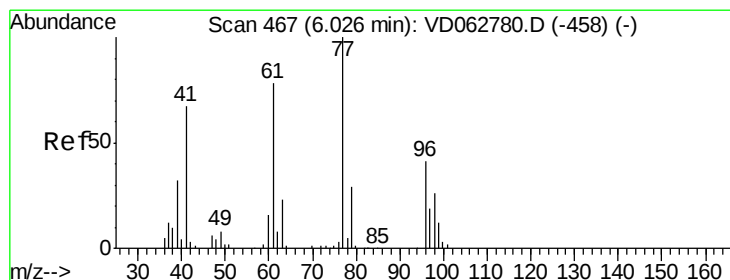
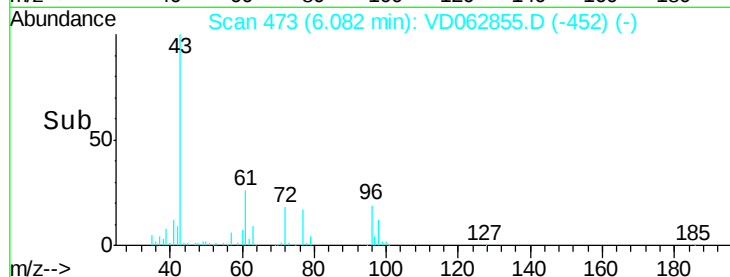
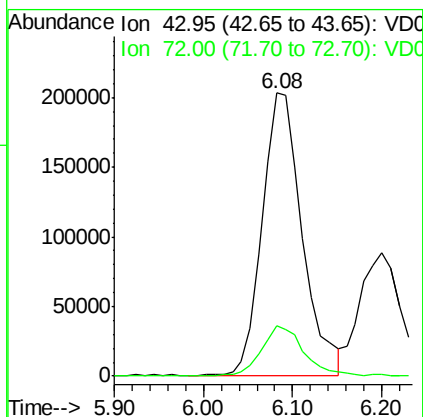
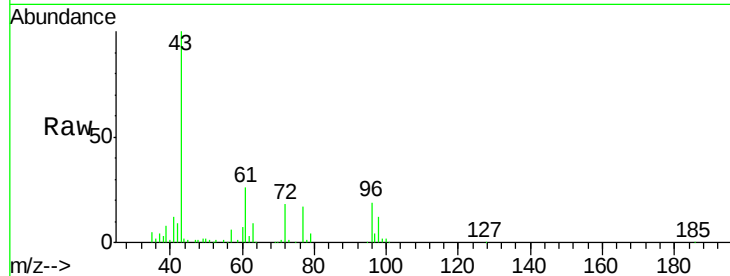
72 17.6 11.9 17.9

Manual Integrations

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6/25/2019 10:00:00 AM



#26

2,2-Dichloropropane

Concen: 46.315 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062855.D

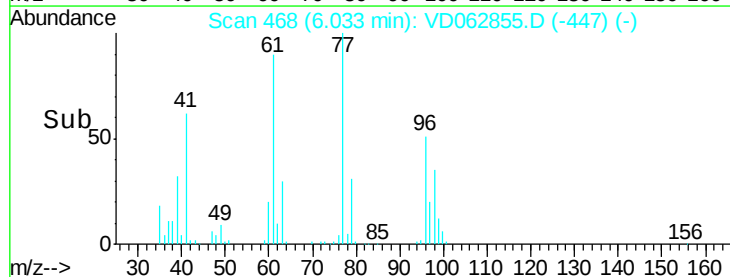
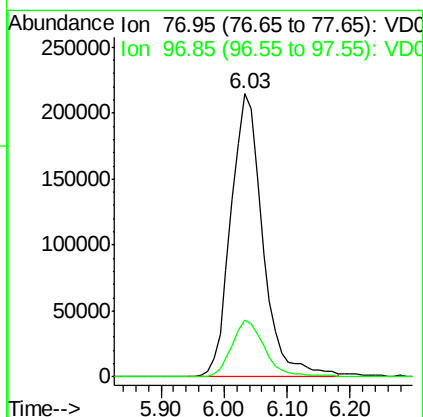
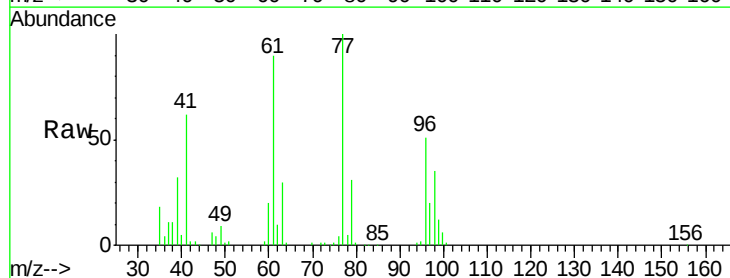
Acq: 24 Jun 2019 23:48

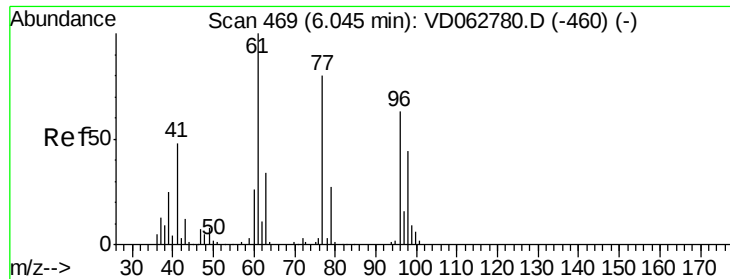
Tgt Ion: 77 Resp: 751790

Ion Ratio Lower Upper

77 100

97 20.0 9.5 28.5





#27

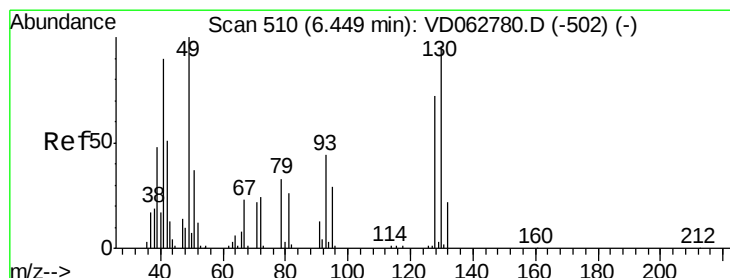
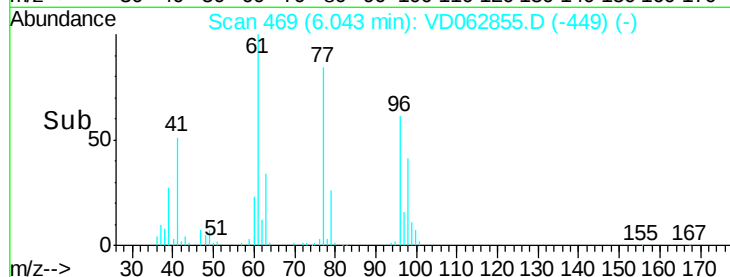
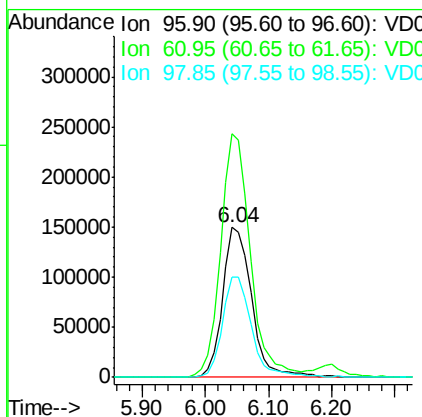
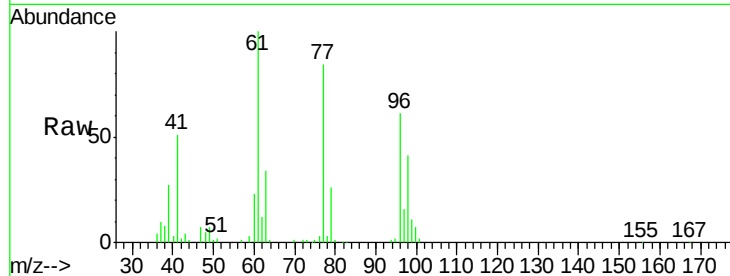
cis-1,2-Dichloroethene
Concen: 54.124 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	316.0
98	67.3	0.0	138.4

Manual Integrations
APPROVED

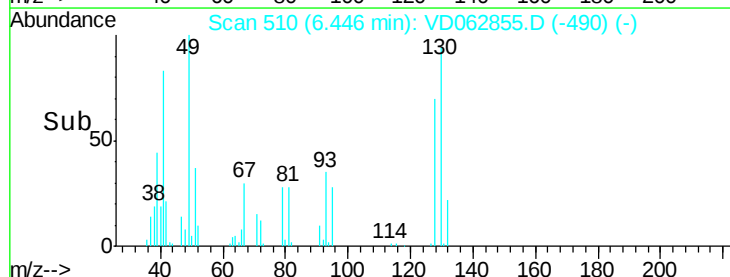
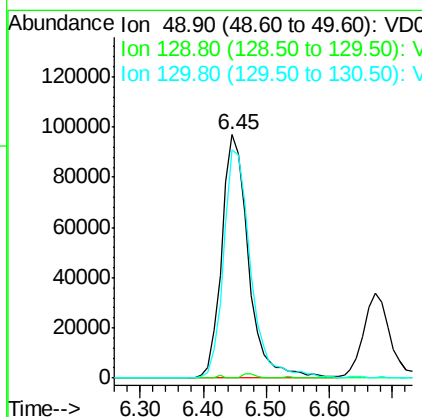
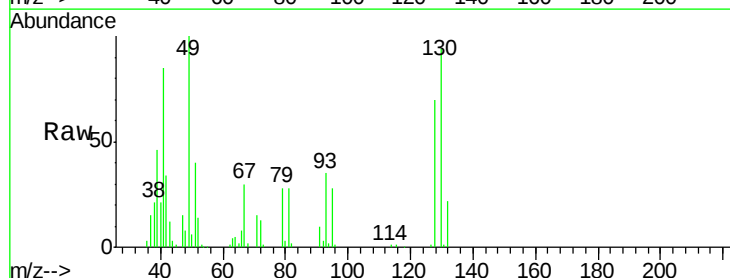
MMDadoda
6/25/2019 10:00:00 AM

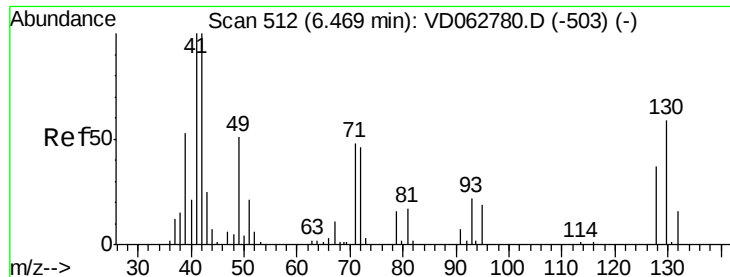


#28

Bromochloromethane
Concen: 52.997 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	93.9	76.6	114.8





#29

Tetrahydrofuran

Concen: 322.943 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

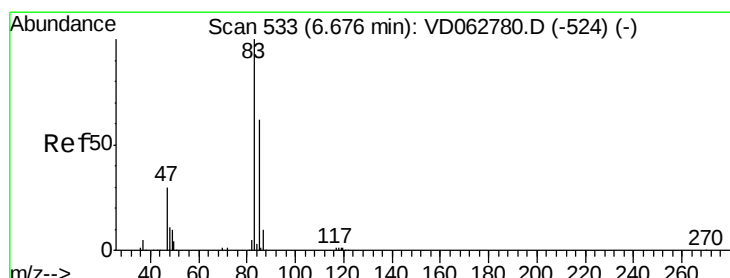
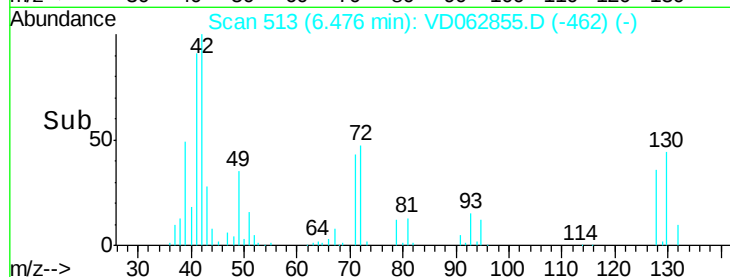
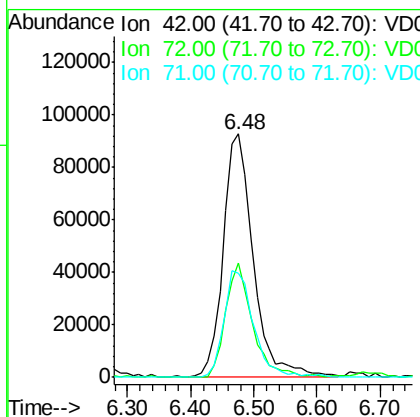
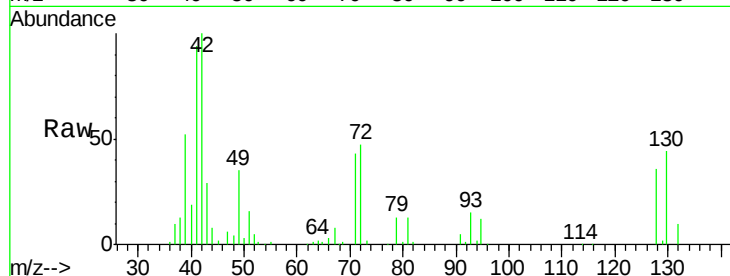
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	306371
Ion Ratio		Lower	Upper
42	100		
72	42.0	35.0	52.6
71	42.6	33.3	49.9

Manual Integrations
APPROVED

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6/25/2019 10:00:00 AM



#30

Chloroform

Concen: 52.138 ug/l

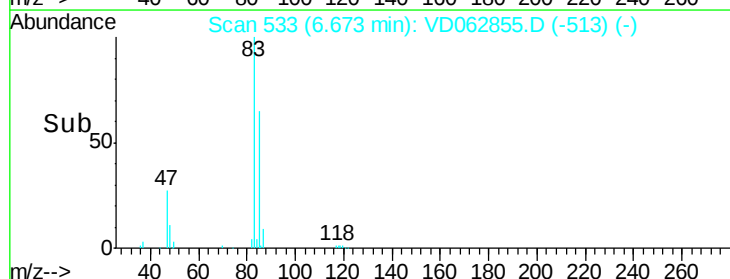
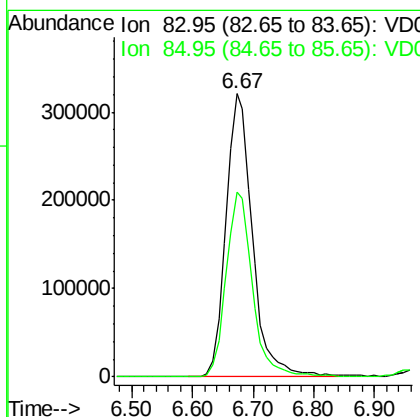
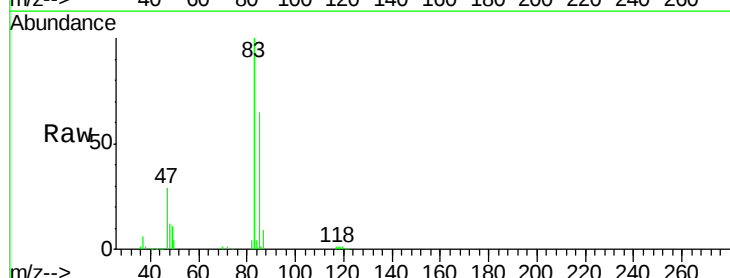
RT: 6.67 min Scan# 533

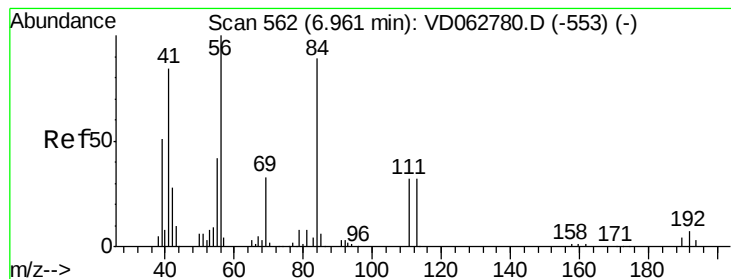
Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	83	Resp:	971017
Ion Ratio		Lower	Upper
83	100		
85	65.4	49.8	74.6





#31

Cvclohexane

Concen: 53.525 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

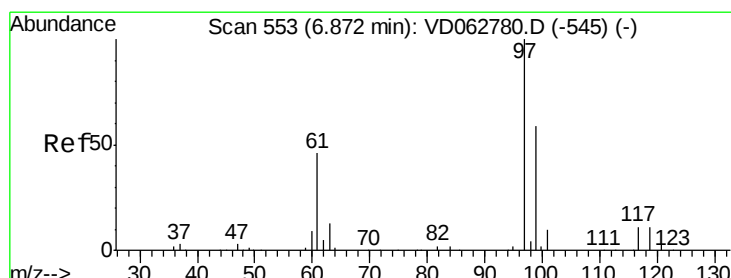
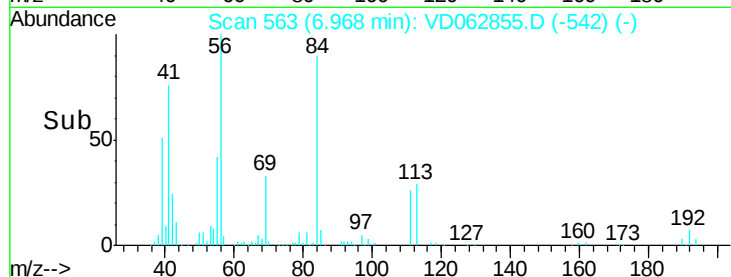
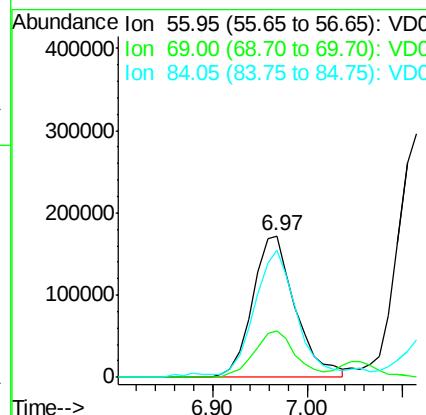
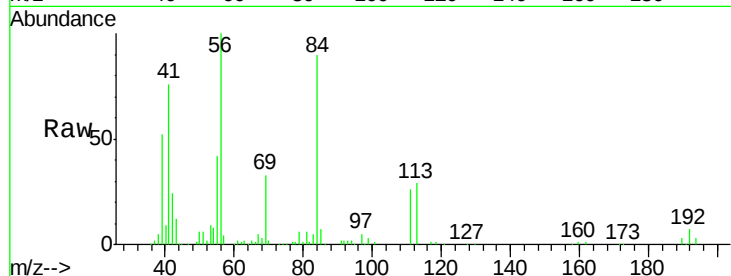
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	538863
Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.6	39.8
84	89.7	75.5	113.3

Manual Integrations
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6/25/2019 10:00:00 AM



#32

1,1,1-Trichloroethane

Concen: 48.709 ug/l

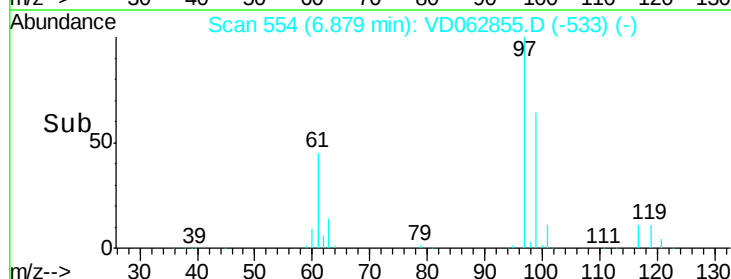
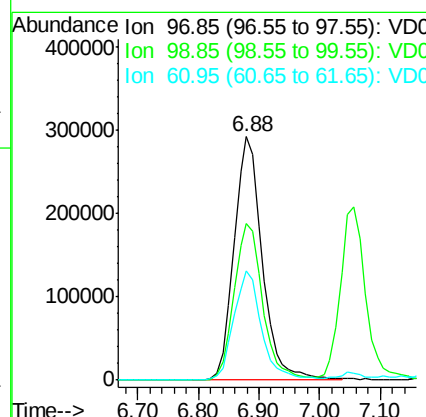
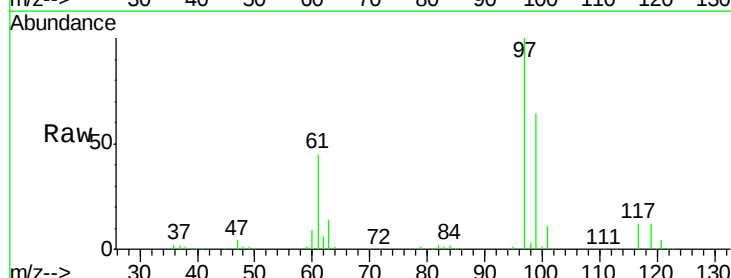
RT: 6.88 min Scan# 554

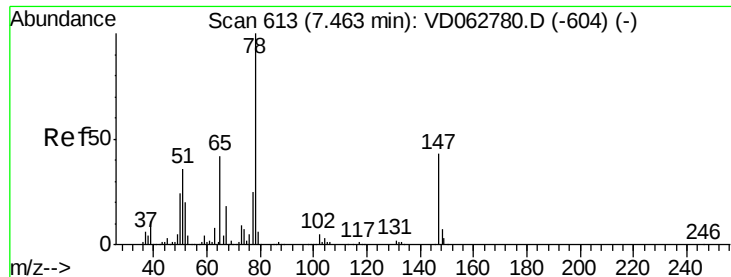
Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	97	Resp:	944872
Ion	Ratio	Lower	Upper
97	100		
99	64.2	47.4	71.2
61	44.9	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 53.437 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 572880

Ion Ratio Lower Upper

65 100

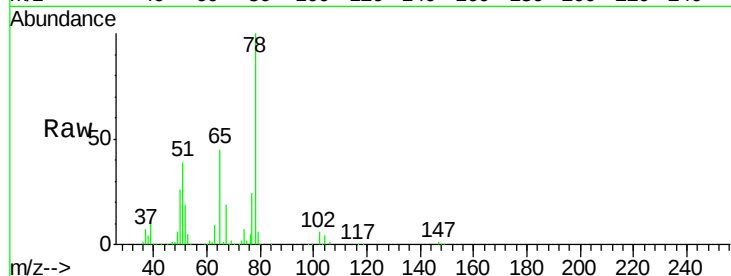
67 42.0 0.0 87.4

Manual Integrations

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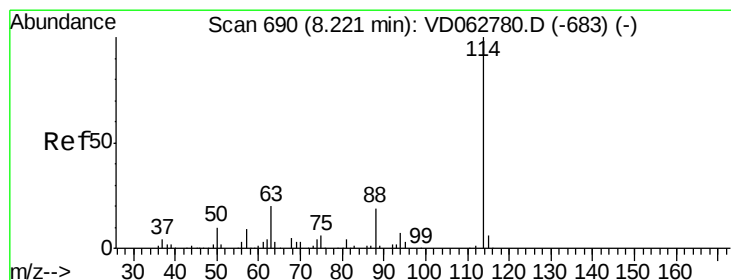
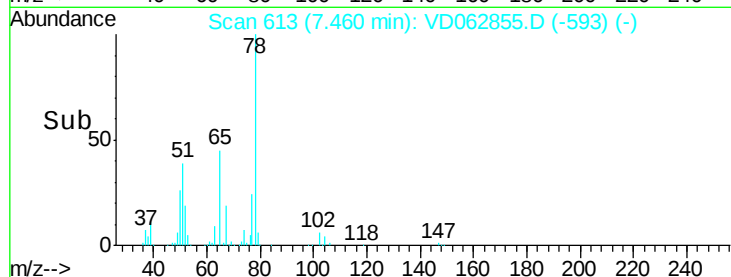
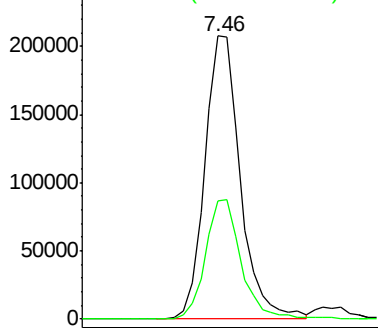
MMDadoda

6/25/2019 10:00:00 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

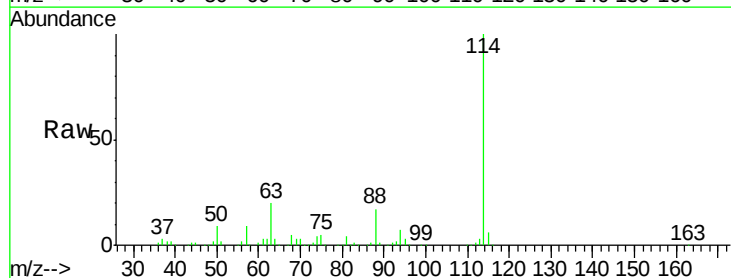
Tgt Ion: 114 Resp: 1387567

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

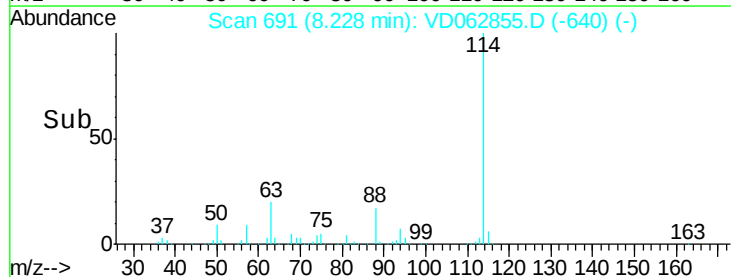
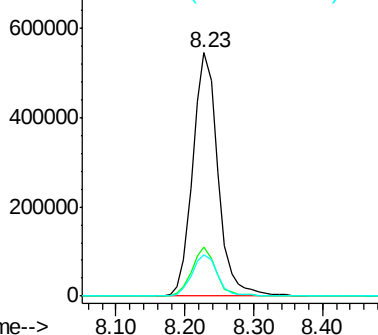
88 17.2 0.0 38.8

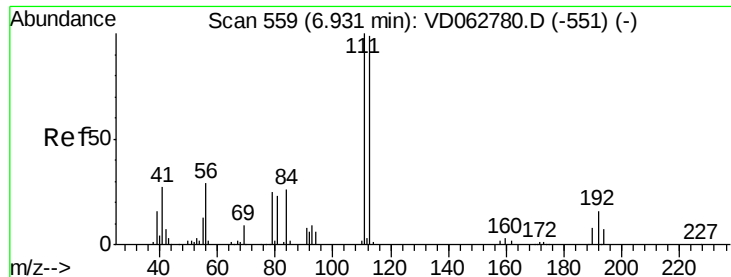


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





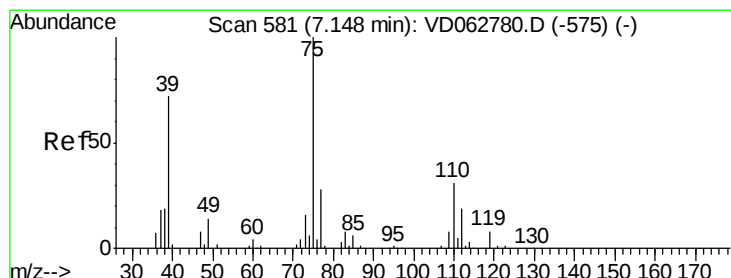
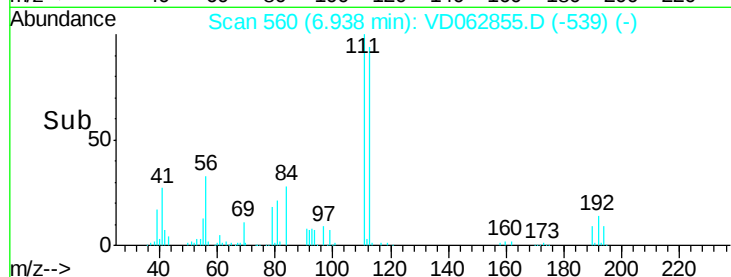
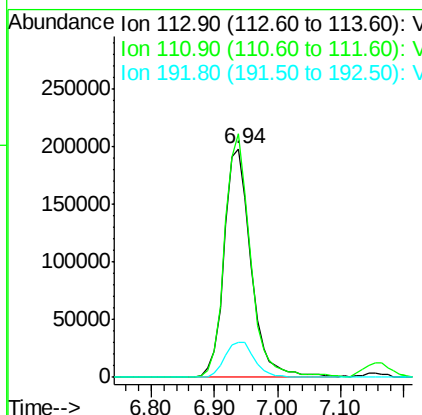
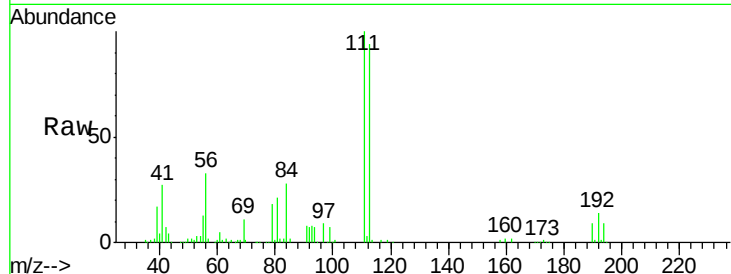
#35
Dibromofluoromethane
Concen: 50.106 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	586233		
111	106.4	81.2	121.8	
192	15.3	12.9	19.3	

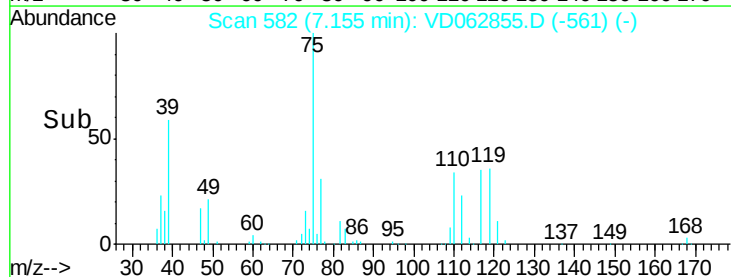
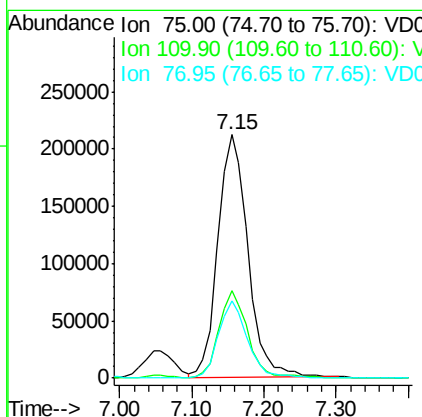
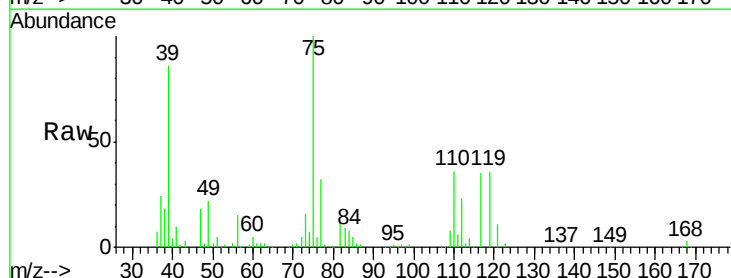
Manual Integrations
APPROVED

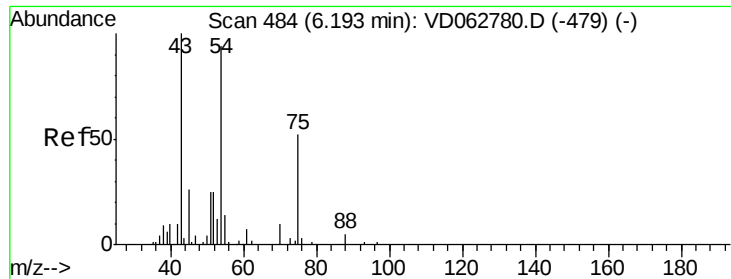
MMDadoda
6/25/2019 10:00:00 AM



#36
1,1-Dichloropropene
Concen: 46.303 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	608203		
110	36.1	15.0	45.1	
77	31.9	22.2	33.2	





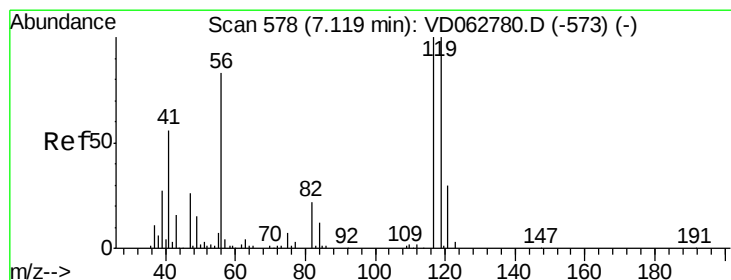
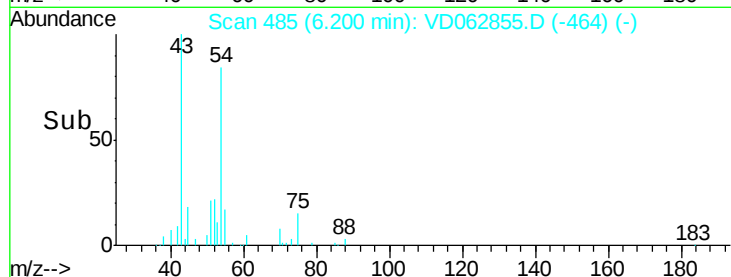
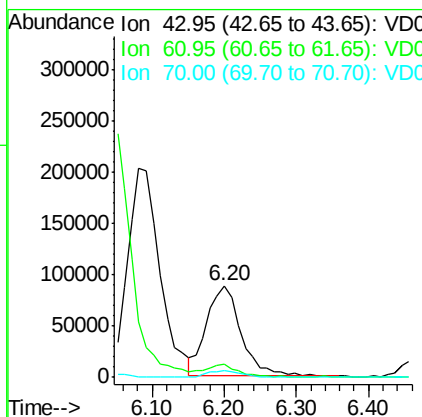
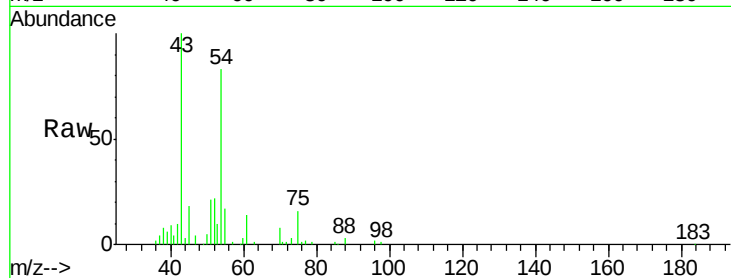
#37
Ethyl Acetate
Concen: 52.123 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 287344
Ion Ratio Lower Upper
43 100
61 14.1 11.6 17.4
70 7.9 6.4 9.6

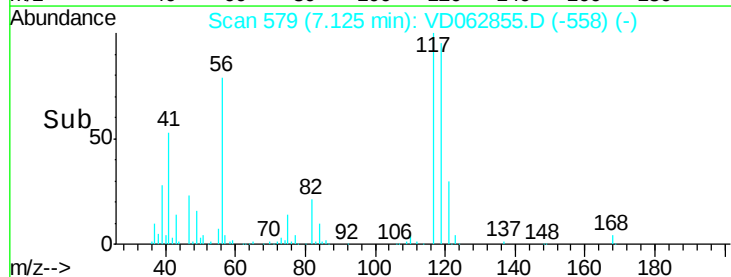
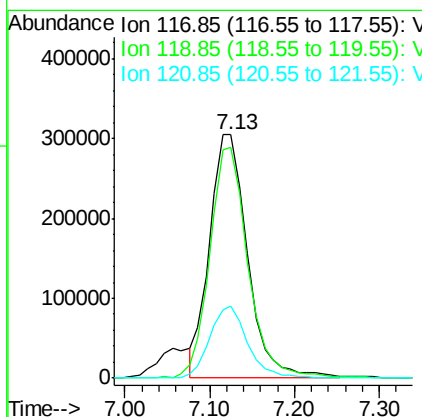
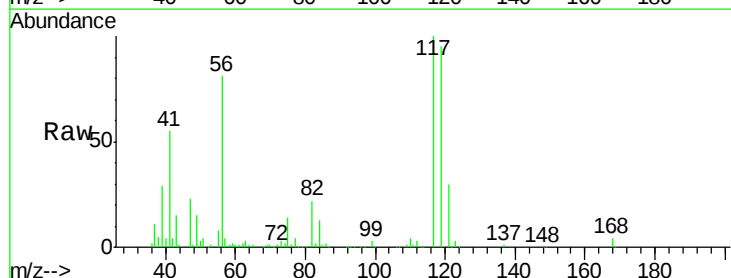
Manual Integrations
APPROVED

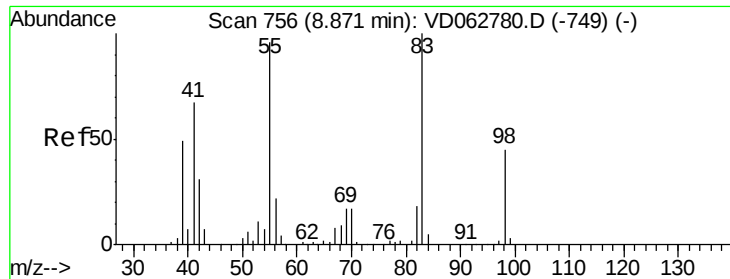
MMDadoda
6/25/2019 10:00:00 AM



#38
Carbon Tetrachloride
Concen: 48.385 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 117 Resp: 955839
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.2
121 29.6 22.3 33.5





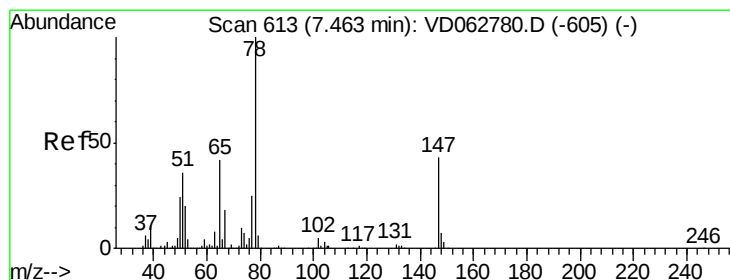
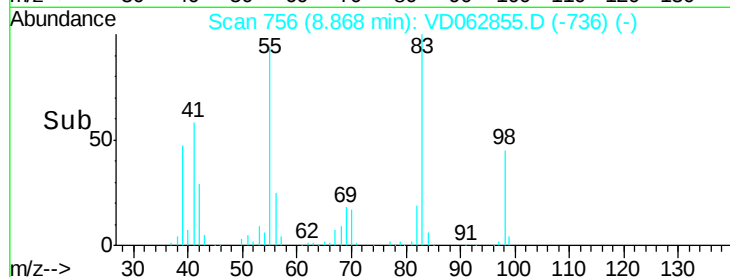
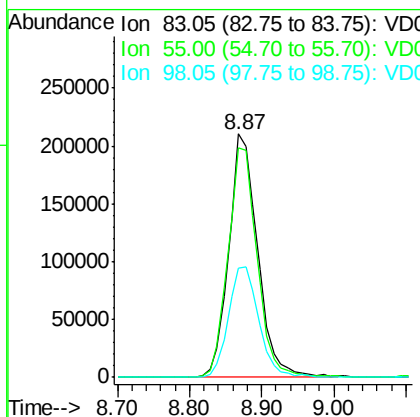
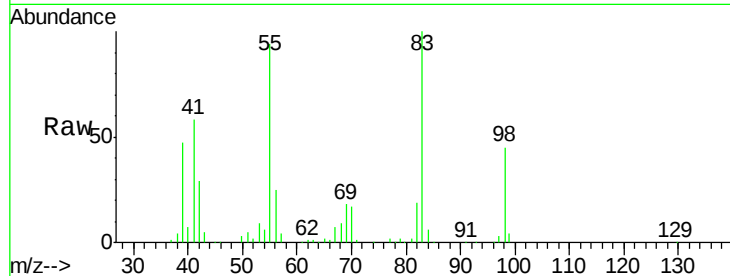
#39
Methvlcvclohexane
Concen: 50.708 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	586300
Ion Ratio	Lower	Upper	
83	100		
55	94.3	76.6	115.0
98	44.7	35.7	53.5

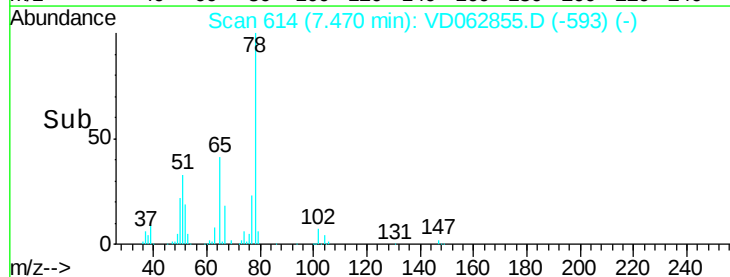
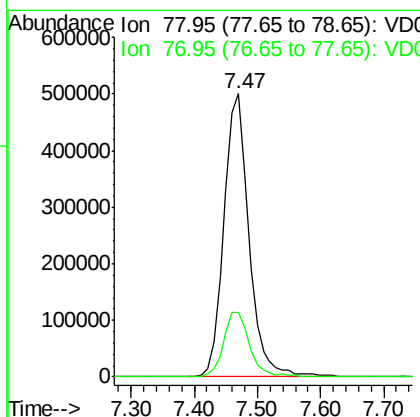
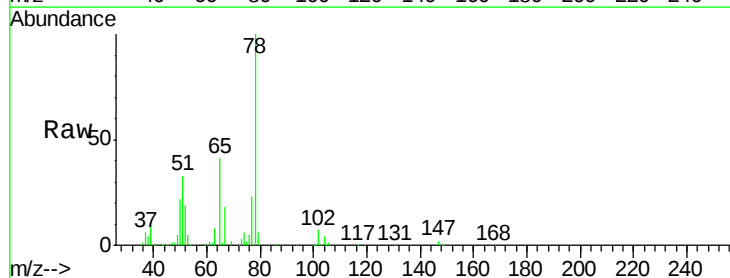
Manual Integrations
APPROVED

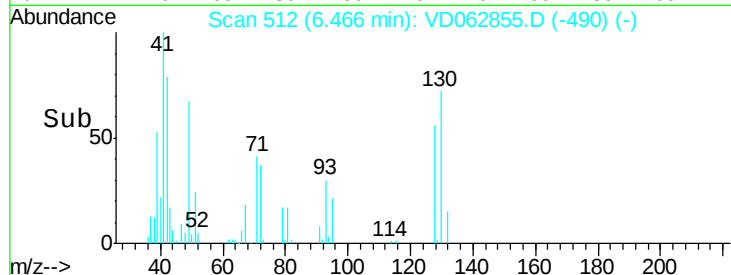
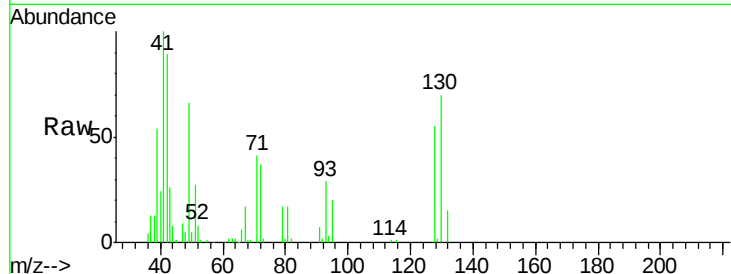
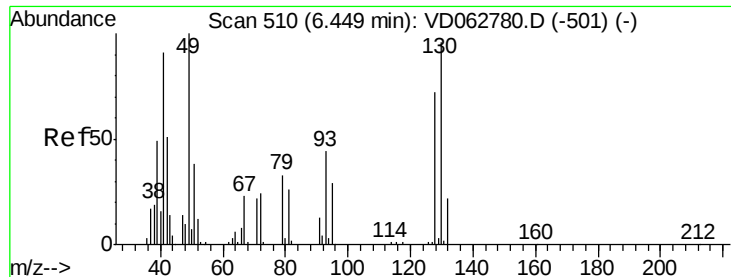
MMDadoda
6/25/2019 10:00:00 AM



#40
Benzene
Concen: 52.412 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	78	Resp	1381920
Ion Ratio	Lower	Upper	
78	100		
77	22.7	20.2	30.2





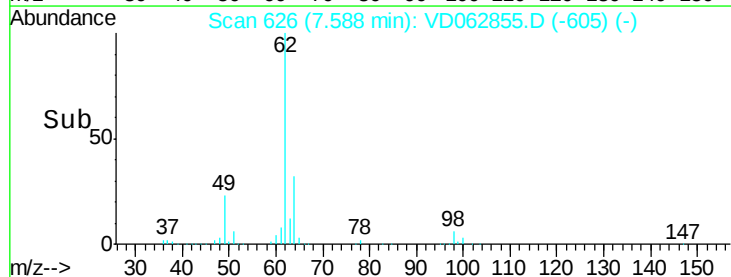
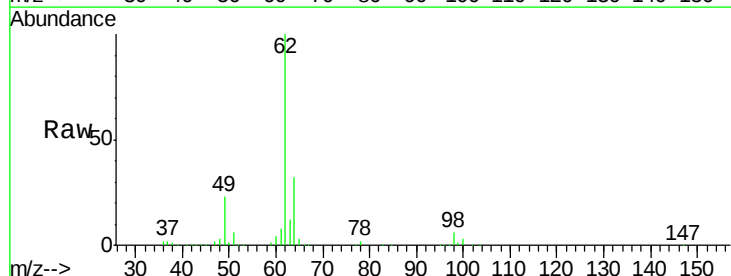
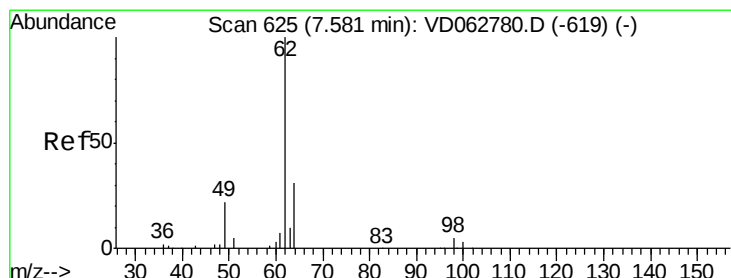
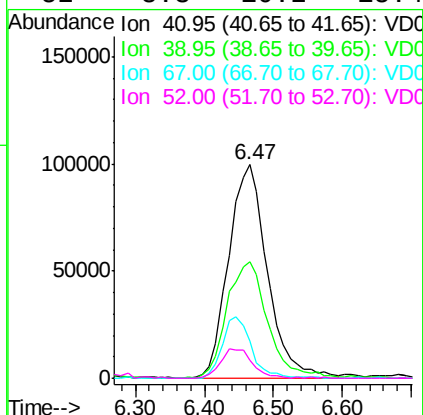
#41
Methacrylonitrile
Concen: 56.227 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.2	64.8
67	17.2	19.9	29.9
52	8.3	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

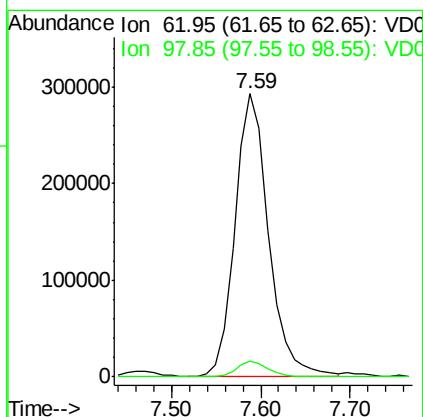
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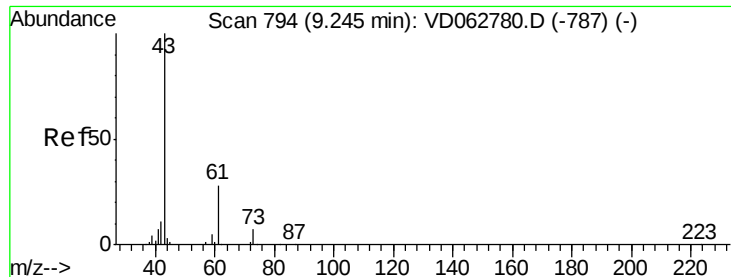
MMDadoda
6/25/2019 10:00:00 AM



#42
1,2-Dichloroethane
Concen: 53.454 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	10.0





#43

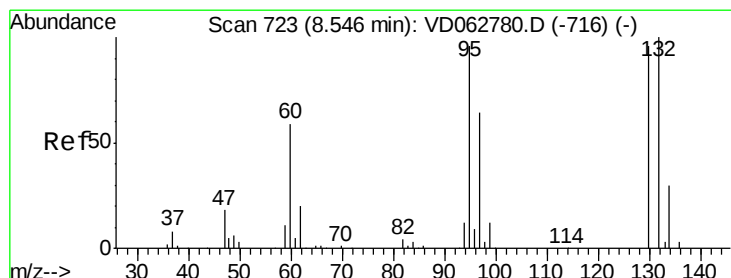
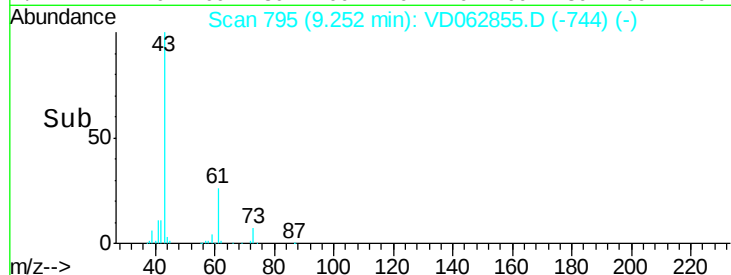
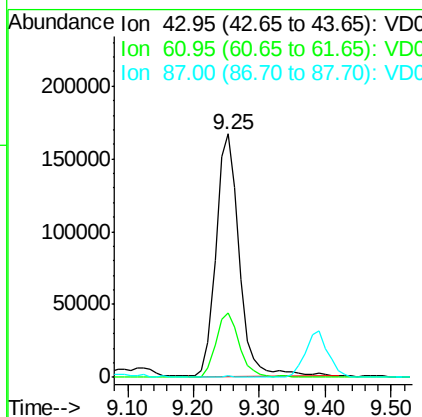
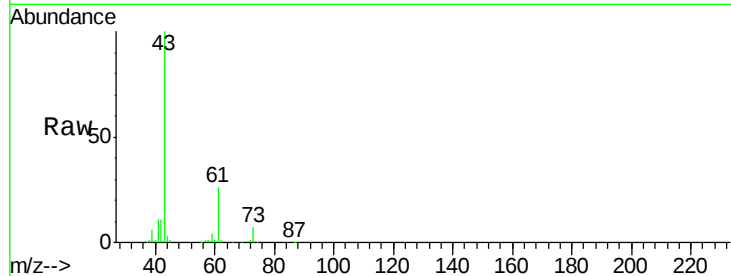
Isopropyl Acetate
 Concen: 59.301 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	22.4	33.6
87	0.8	0.3	0.5

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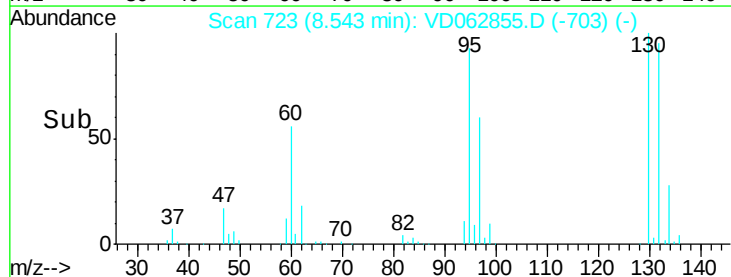
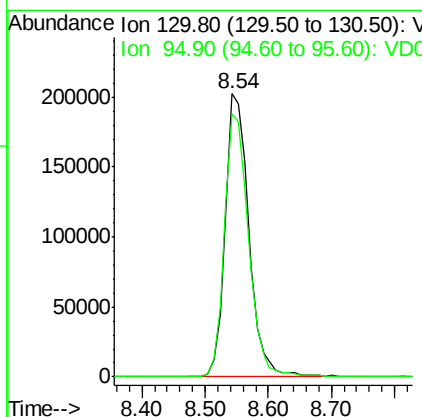
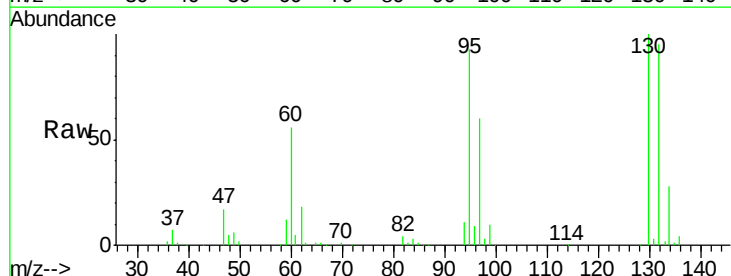
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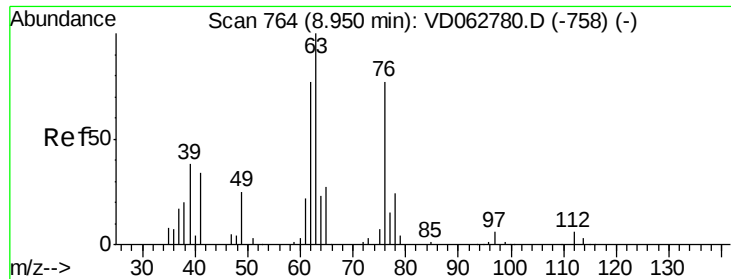


#44

Trichloroethene
 Concen: 50.751 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	201.6





#45

1,2-Dichloropropane

Concen: 52.103 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 341600

Ion Ratio Lower Upper

63 100

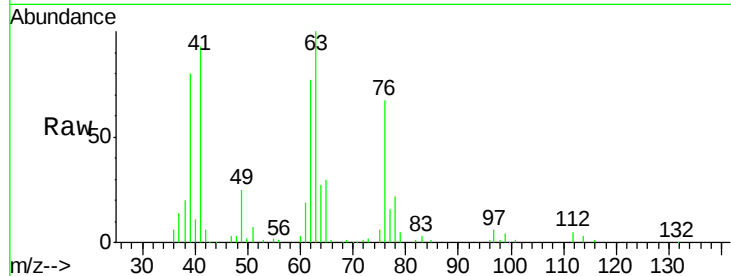
65 29.6 24.2 36.2

Manual Integrations

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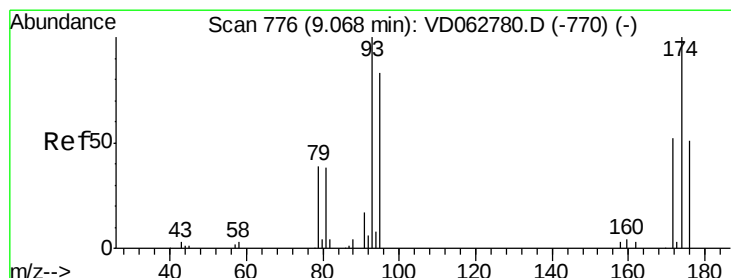
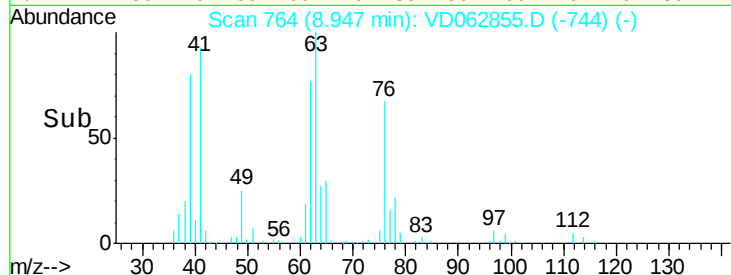
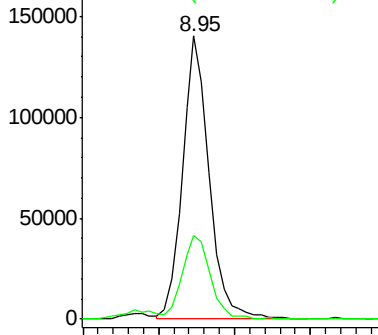
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.959 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

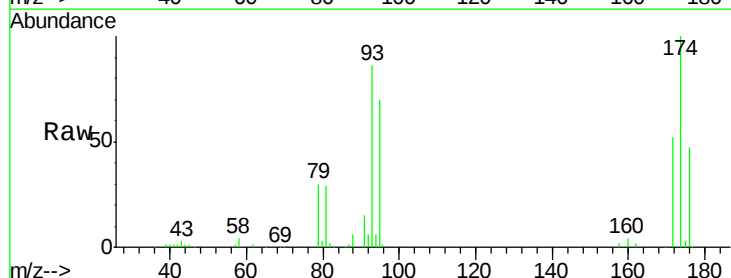
Tgt Ion: 93 Resp: 303889

Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

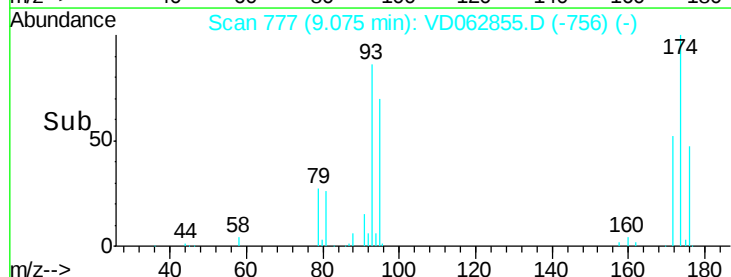
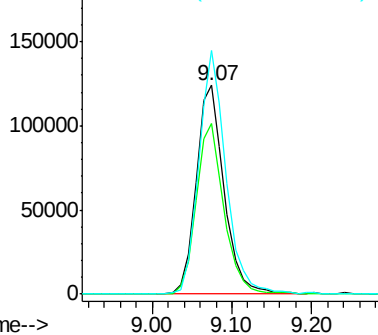
174 116.6 79.7 119.5

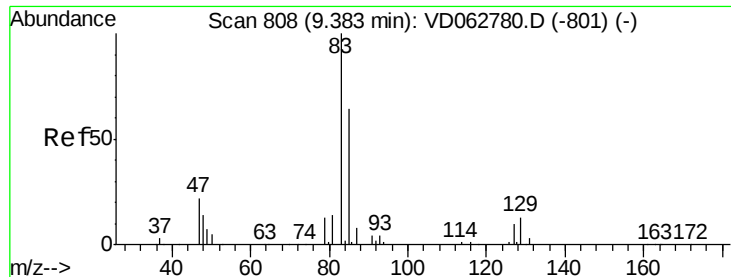


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.657 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

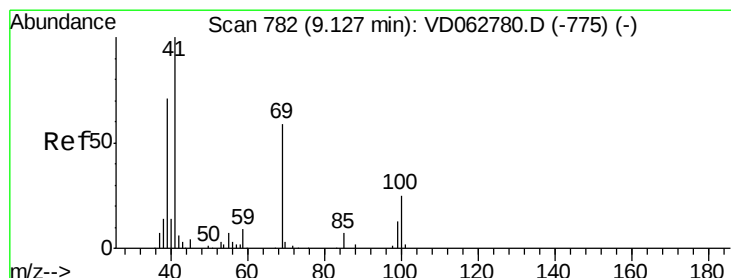
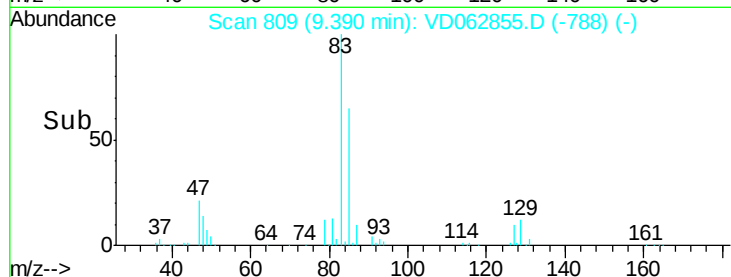
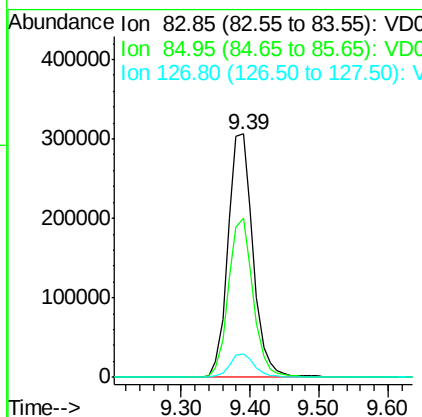
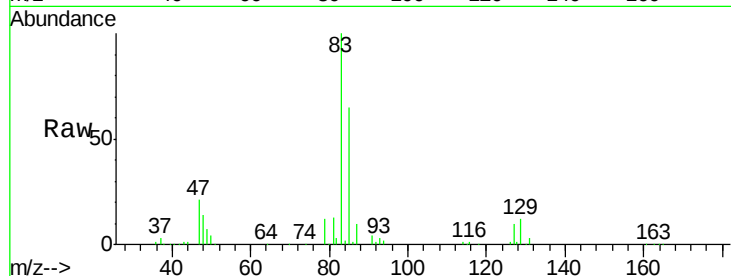
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	770192
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4
127	9.8	7.8	11.6

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#48

Methyl methacrylate

Concen: 57.980 ug/l

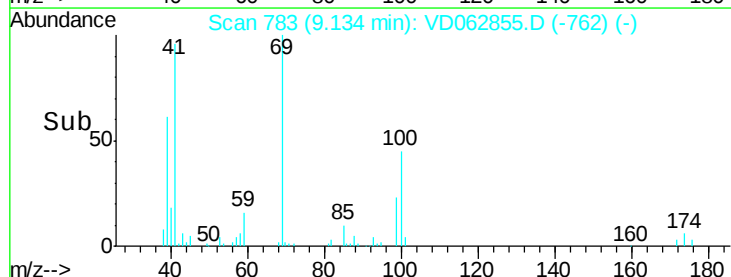
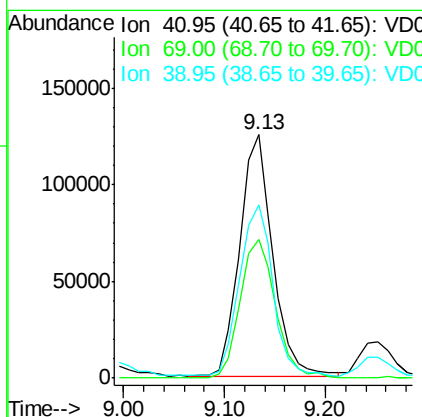
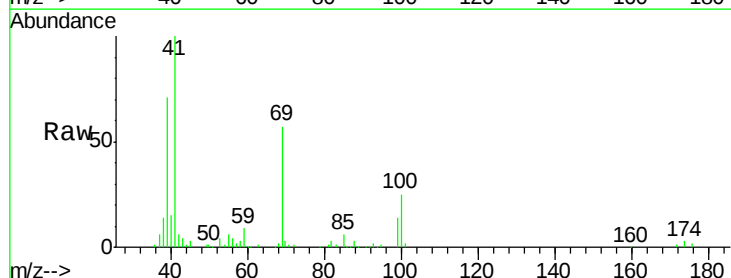
RT: 9.13 min Scan# 783

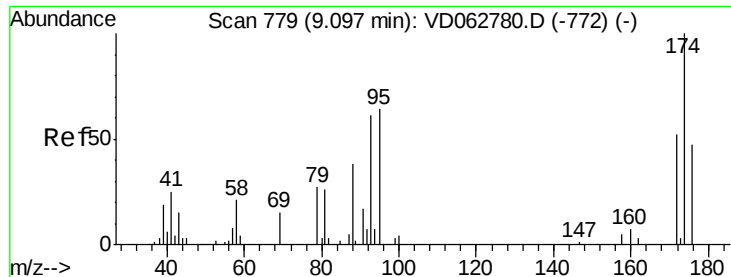
Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	41	Resp:	283736
Ion	Ratio	Lower	Upper
41	100		
69	56.7	47.2	70.8
39	71.3	57.4	86.2





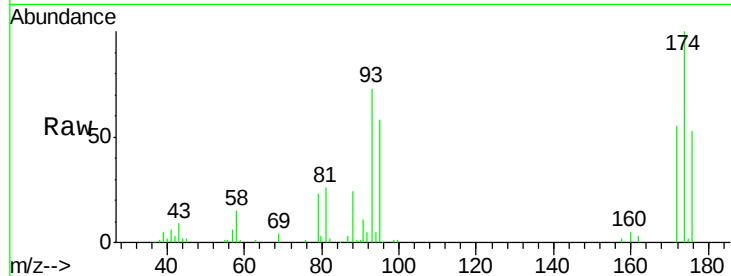
#49
1,4-Dioxane
Concen: 1221.604 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

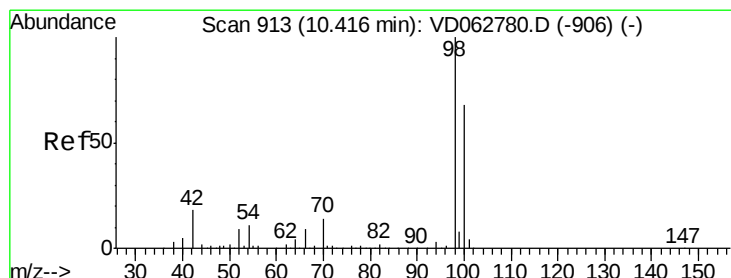
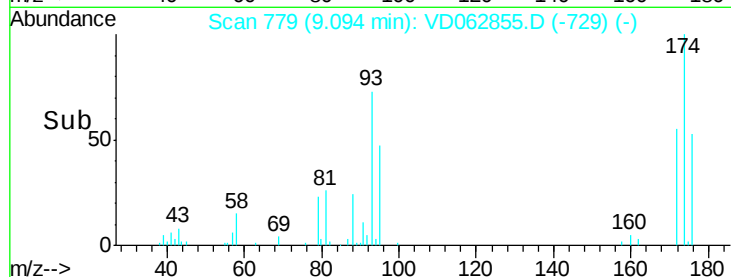
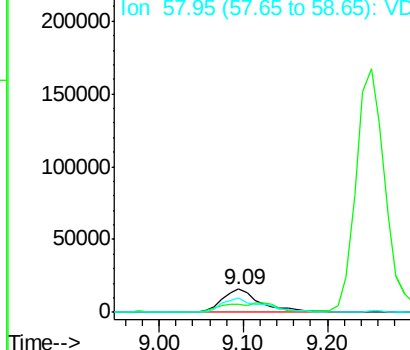
Tot Ion	88	Resp	49736
Ion	Ratio	Lower	Upper
88	100		
43	35.3	32.1	48.1
58	62.7	44.1	66.1

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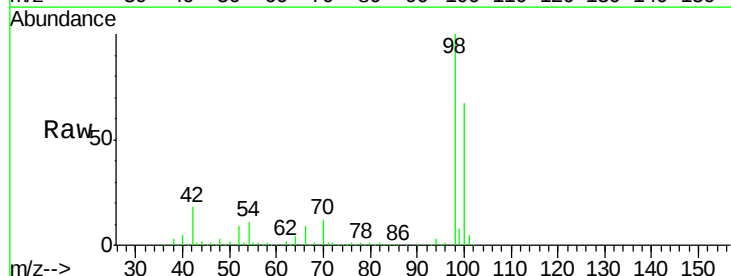


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

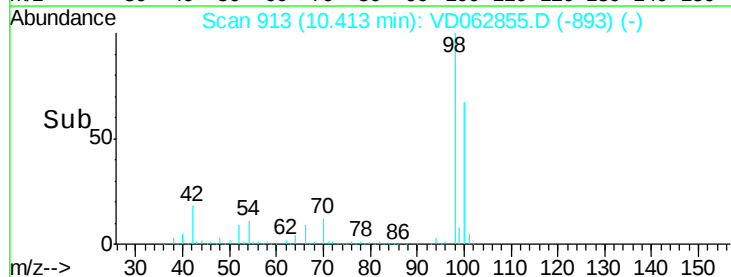
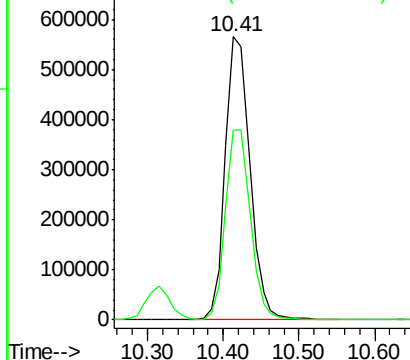


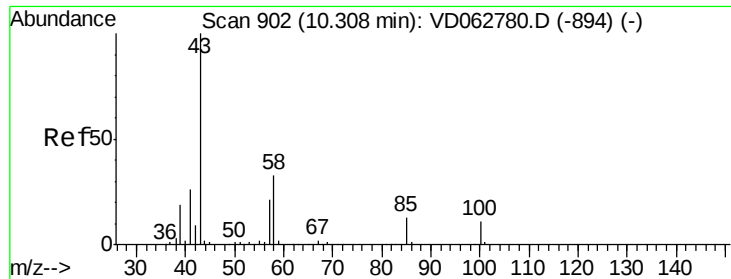
#50
Toluene-d8
Concen: 50.557 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	98	Resp	1287404
Ion	Ratio	Lower	Upper
98	100		
100	67.3	54.7	82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





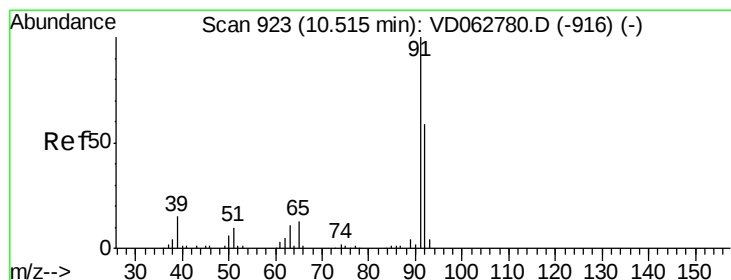
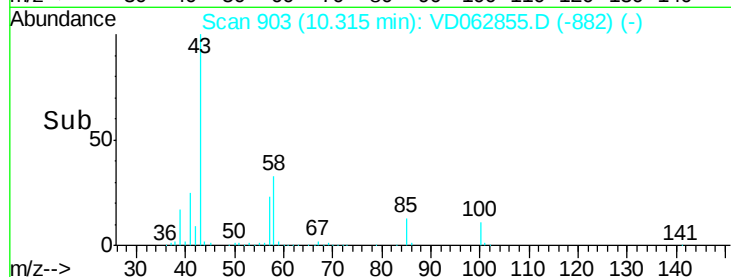
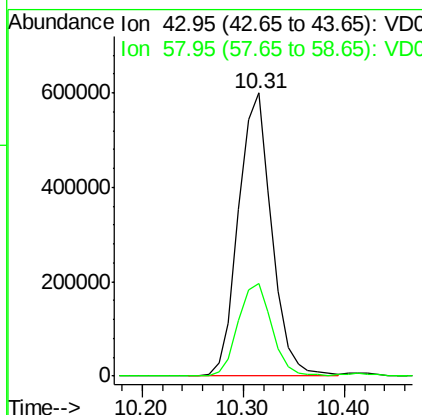
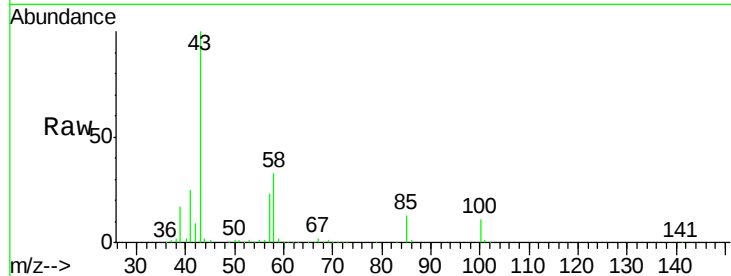
#51
 4-Methyl-2-Pentanone
 Concen: 281.943 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1376562
 Ion Ratio Lower Upper
 43 100
 58 32.6 26.6 40.0

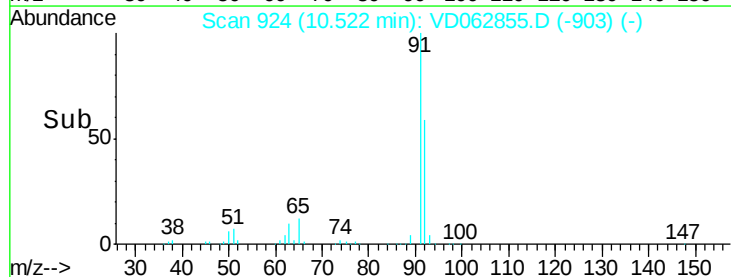
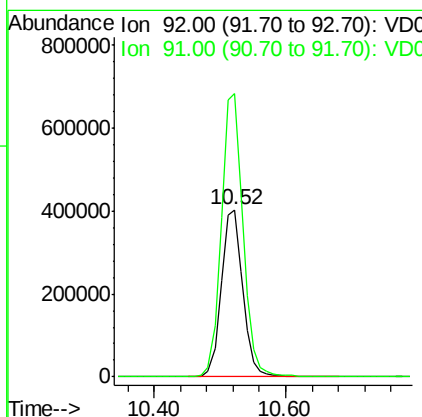
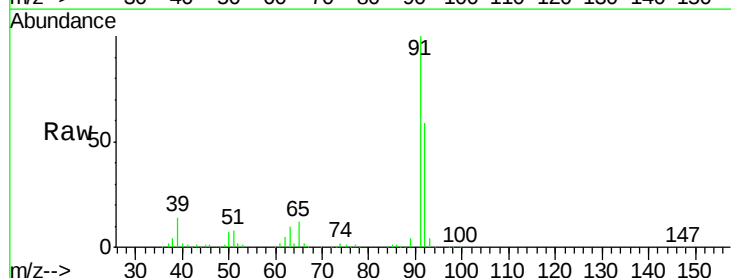
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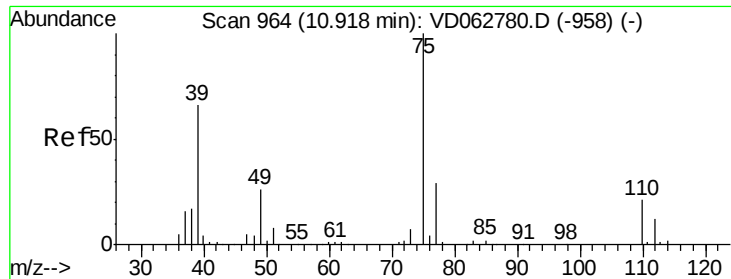
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#52
 Toluene
 Concen: 51.738 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 92 Resp: 916985
 Ion Ratio Lower Upper
 92 100
 91 169.6 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 53.597 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tot Ion: 75 Resp: 641648

Ion Ratio Lower Upper

75 100

77 28.7 23.2 34.8

Instrument :

MSVOA_D

ClientSampleId :

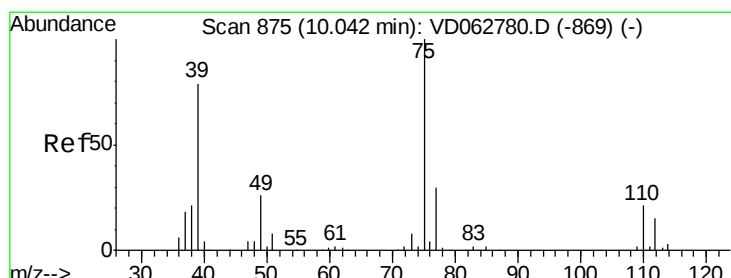
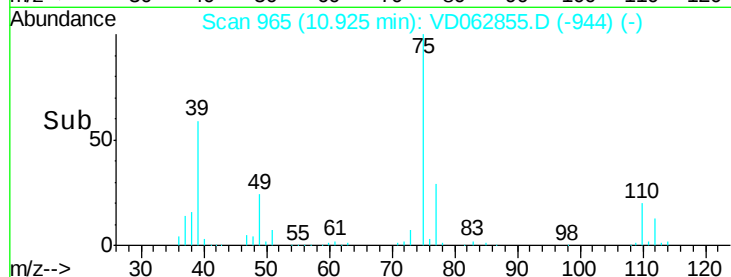
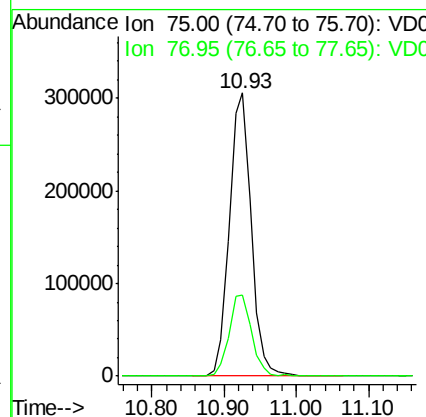
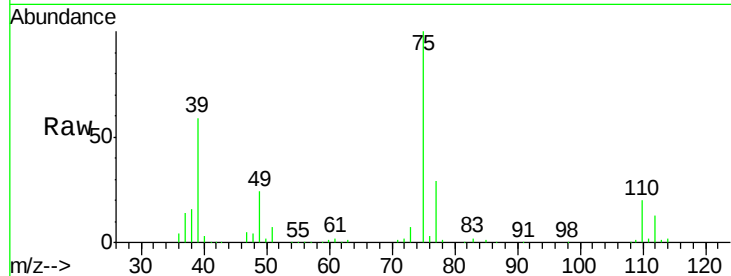
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 50.604 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

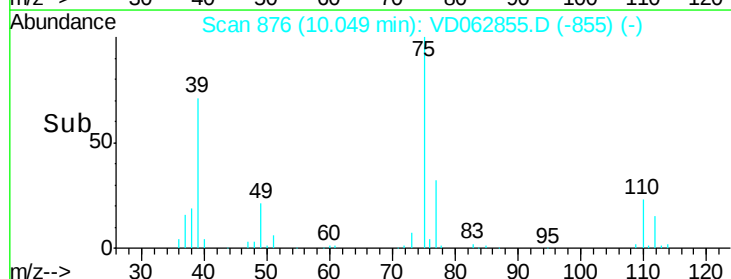
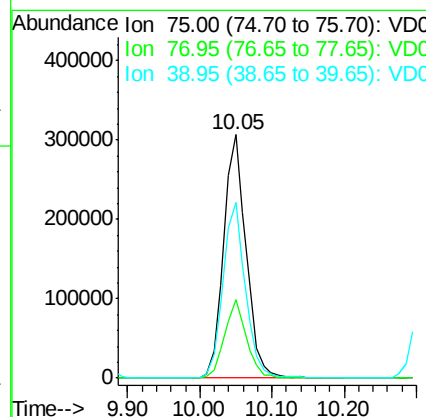
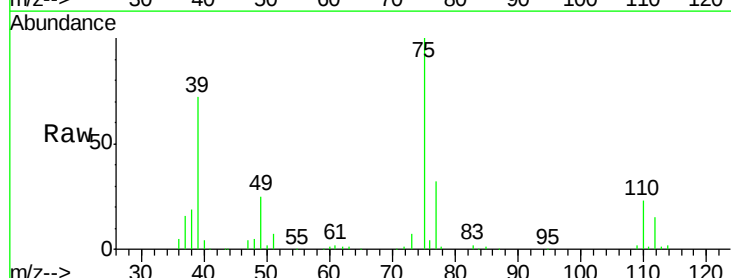
Tgt Ion: 75 Resp: 658468

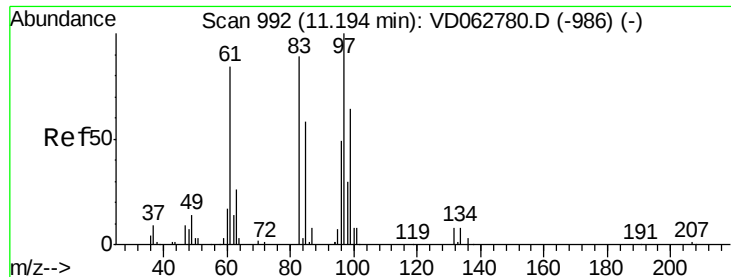
Ion Ratio Lower Upper

75 100

77 32.4 24.2 36.2

39 72.2 63.5 95.3





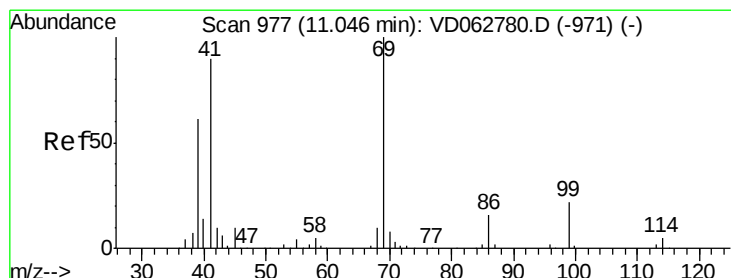
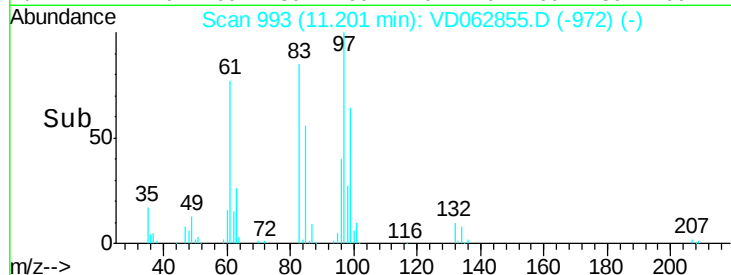
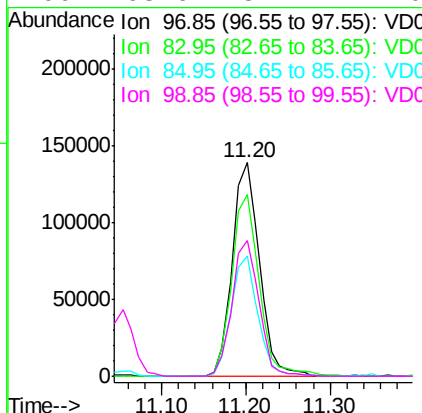
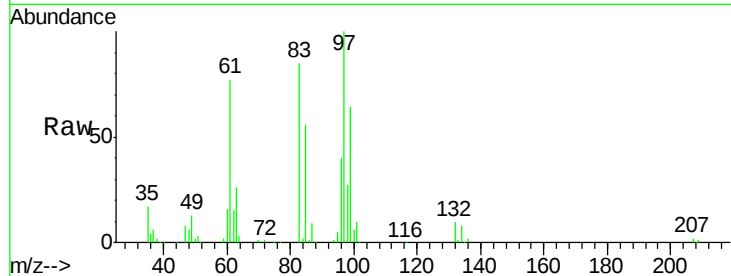
#55
 1,1,2-Trichloroethane
 Concen: 51.307 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		312418		
83	85.3	71.0	106.4		
85	56.1	46.6	69.8		
99	63.6	51.4	77.0		

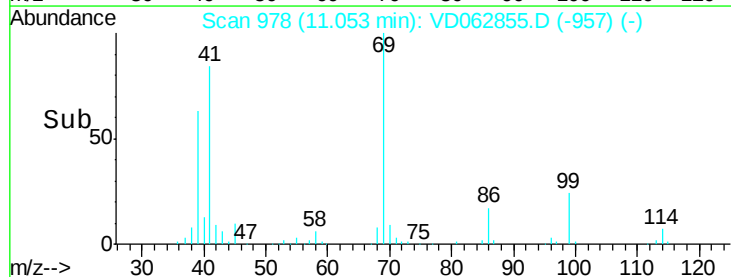
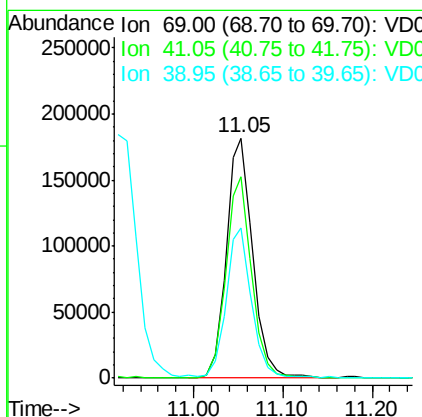
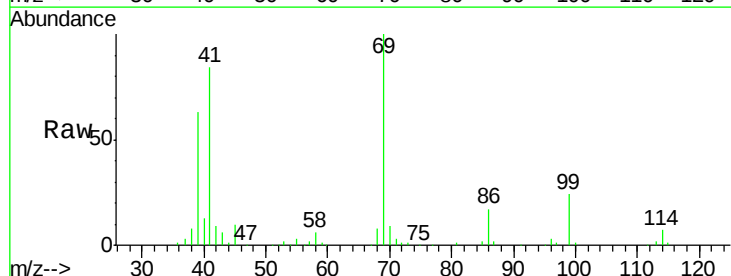
Manual Integrations
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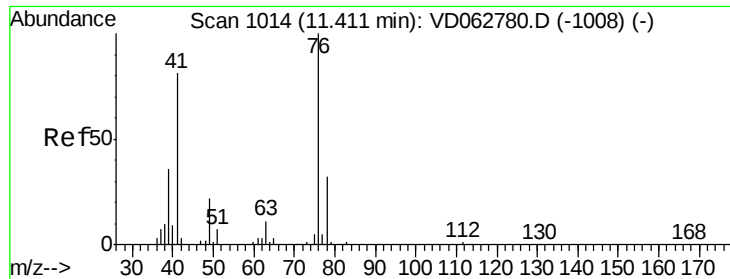
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 57.871 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		376594		
41	83.8	72.0	108.0		
39	62.7	49.5	74.3		





#57

1,3-Dichloropropane

Concen: 54.132 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 504702

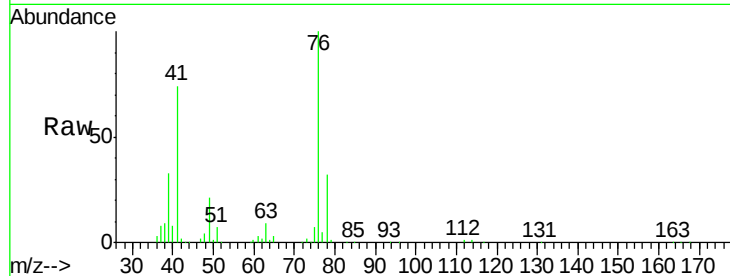
Ion Ratio Lower Upper

76 100

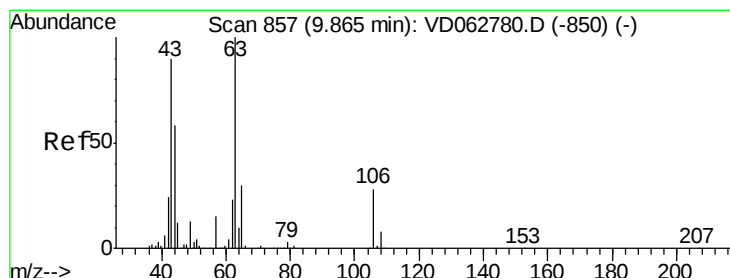
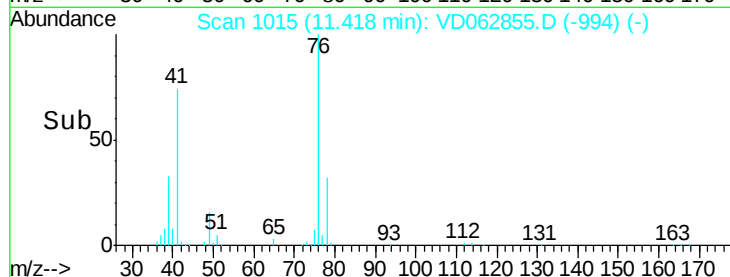
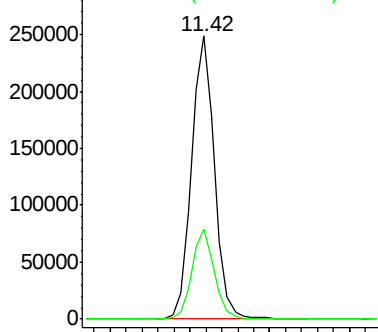
78 32.0 25.4 38.0

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6/25/2019 10:00:00 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 286.078 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062855.D

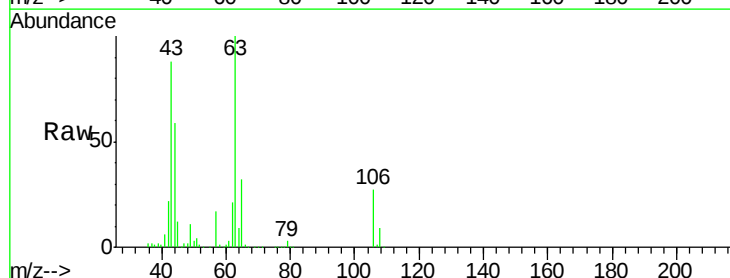
Acq: 24 Jun 2019 23:48

Tgt Ion: 63 Resp: 955733

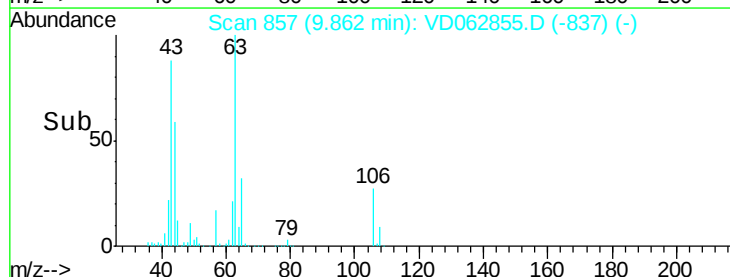
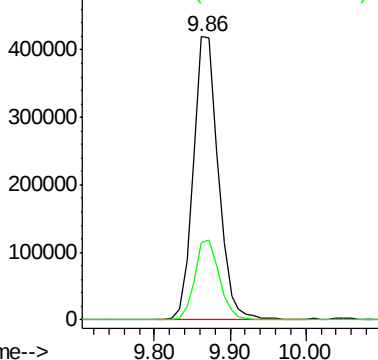
Ion Ratio Lower Upper

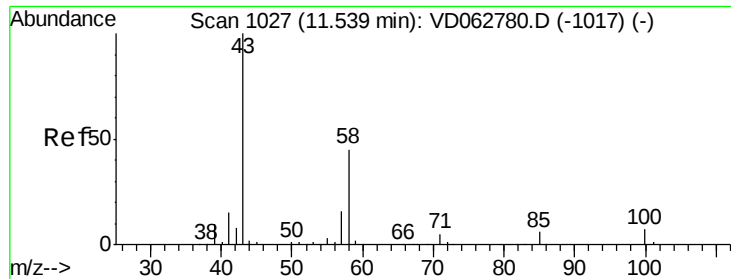
63 100

106 27.3 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V





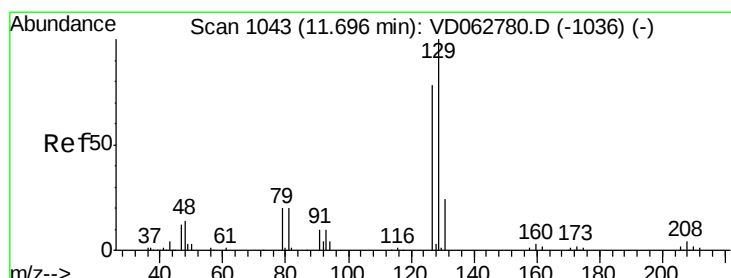
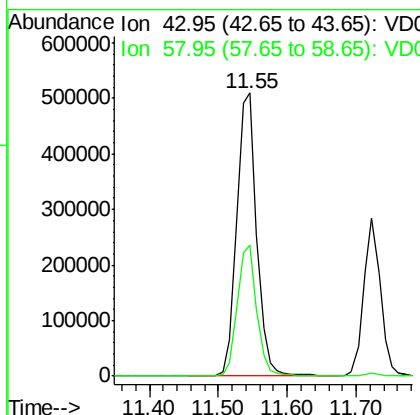
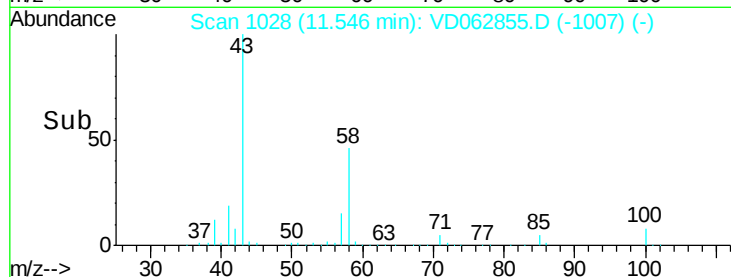
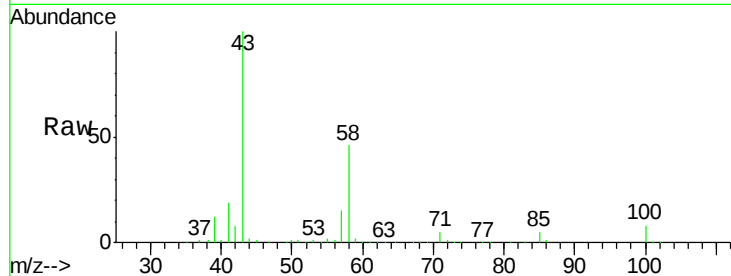
#59
2-Hexanone
Concen: 293.426 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1020300
Ion Ratio Lower Upper
43 100
58 46.2 22.4 67.2

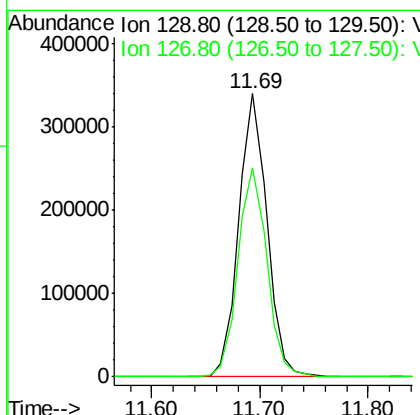
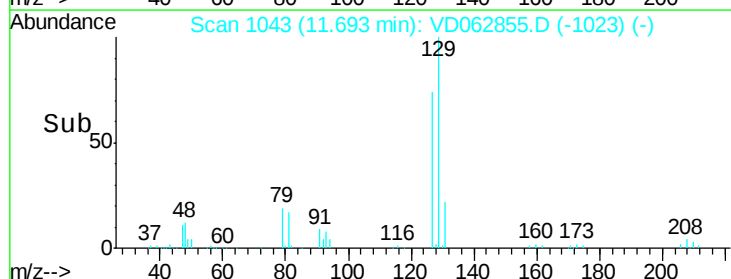
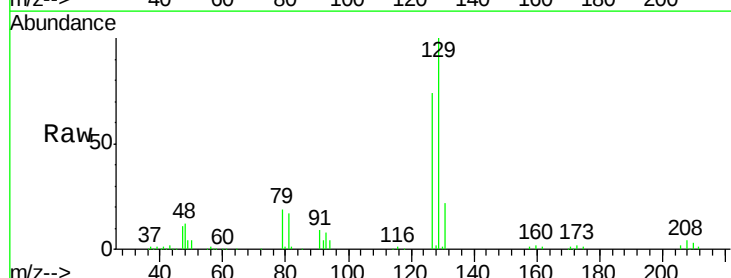
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APPROVED

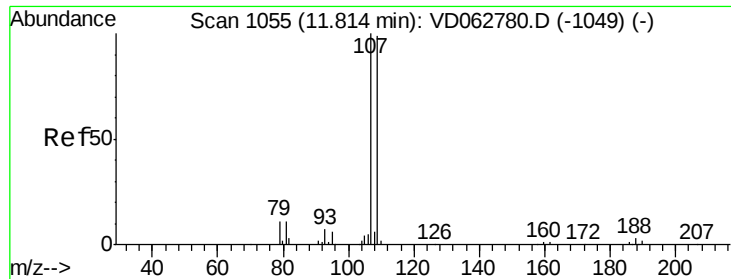
MMDadoda
6/25/2019 10:00:00 AM



#60
Dibromochloromethane
Concen: 54.420 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 129 Resp: 617228
Ion Ratio Lower Upper
129 100
127 73.9 38.9 116.6





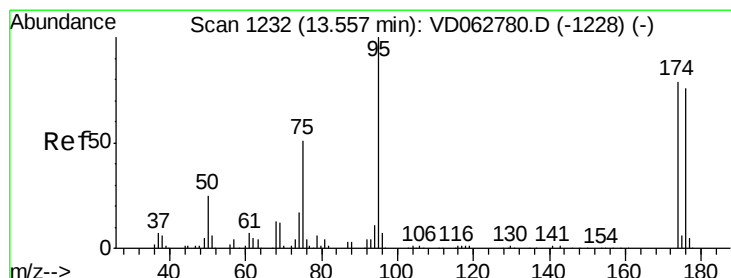
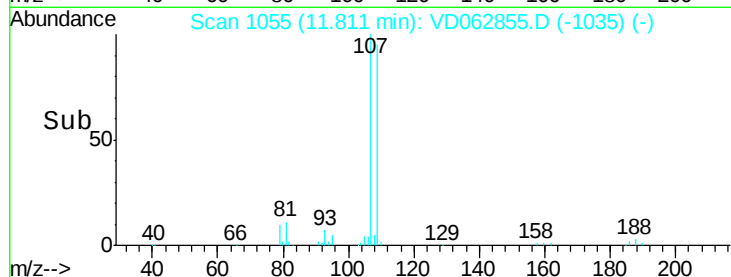
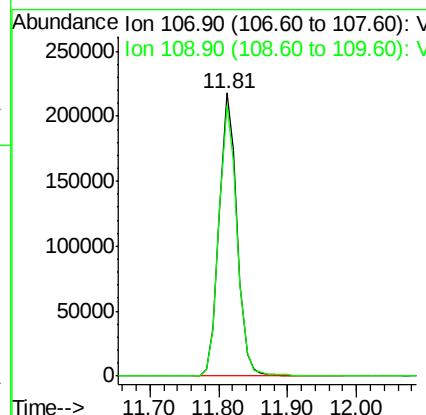
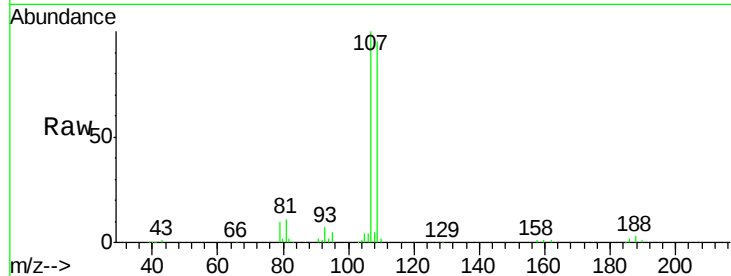
#61
 1,2-Dibromoethane
 Concen: 54.411 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	79.3	118.9

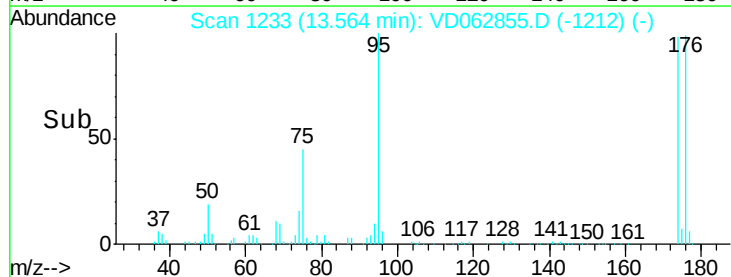
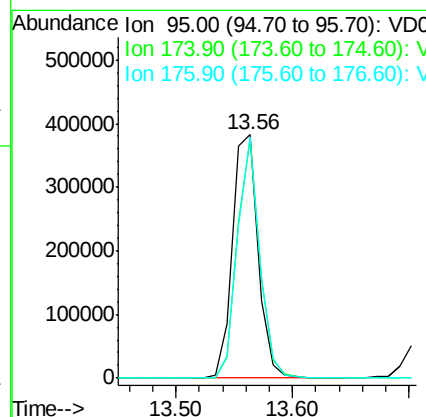
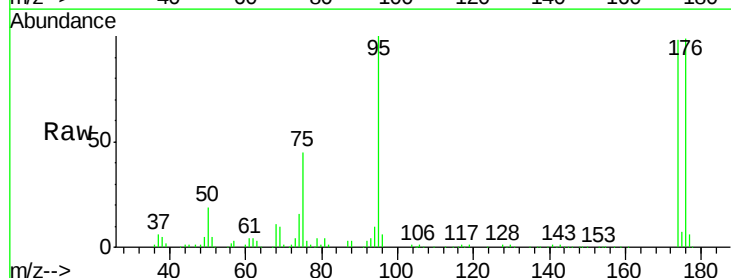
Manual Integrations
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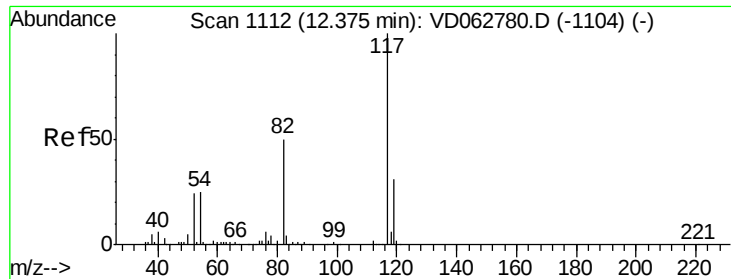
MMDadoda
 6/25/2019 10:00:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.291 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.1	0.0	158.0
176	99.1	0.0	151.6





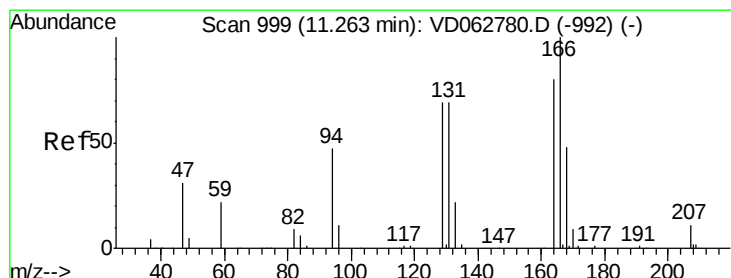
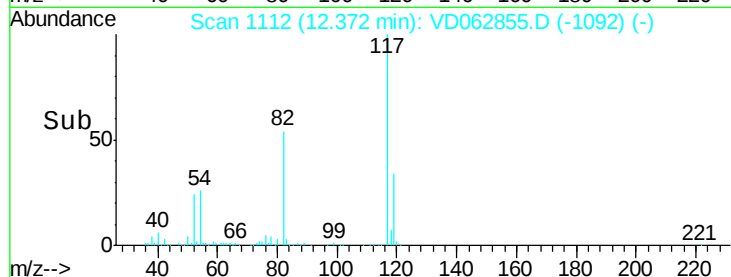
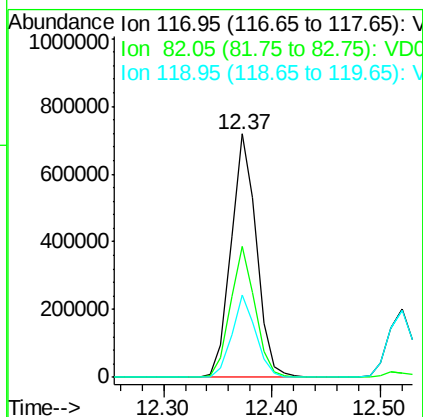
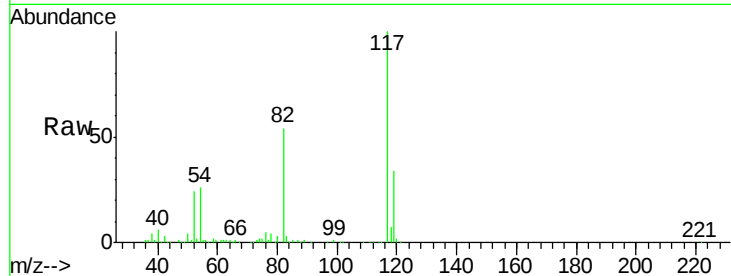
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1175741
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 33.7 25.2 37.8

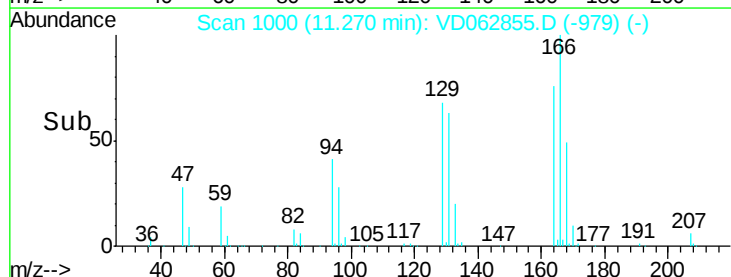
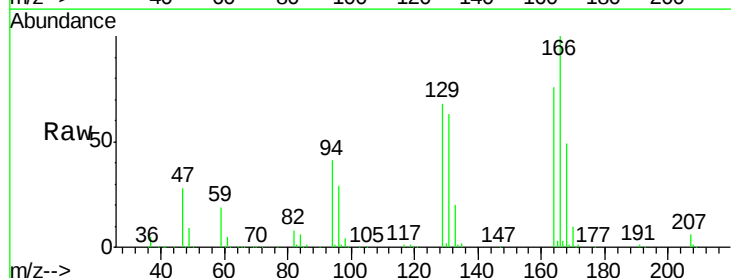
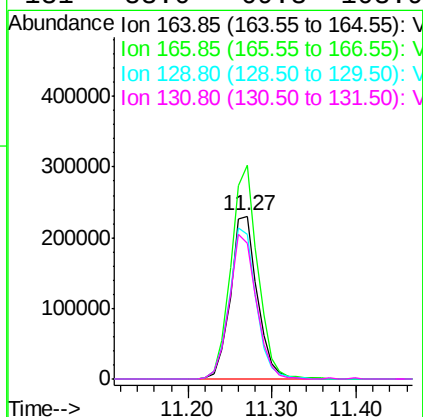
Manual Integrations
APPROVED

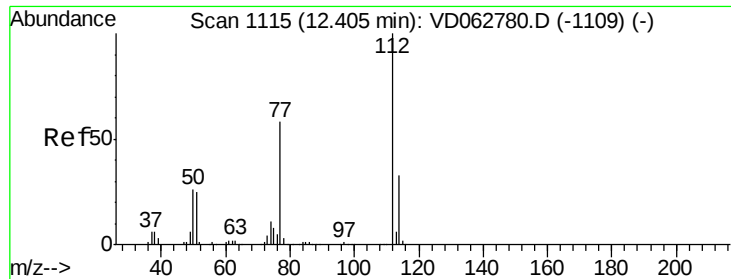
MMDadoda
6/25/2019 10:00:00 AM



#64
Tetrachloroethene
Concen: 52.694 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:164 Resp: 509904
Ion Ratio Lower Upper
164 100
166 130.9 100.6 150.8
129 88.7 69.4 104.0
131 83.0 69.3 103.9





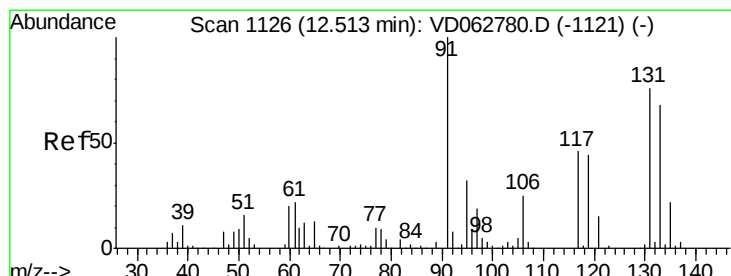
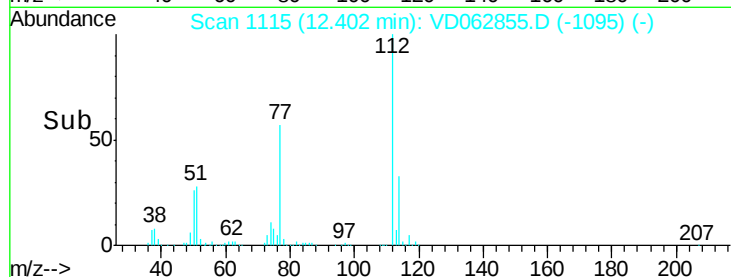
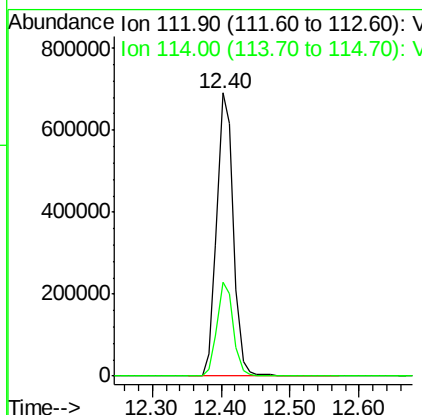
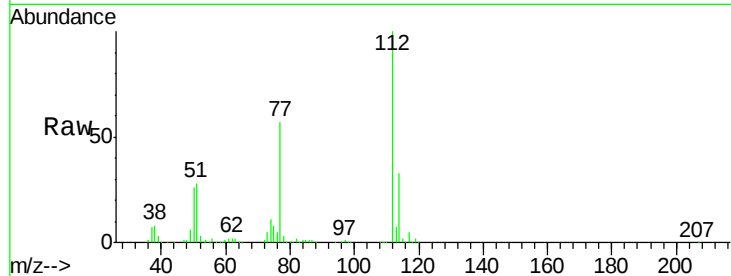
#65
Chlorobenzene
Concen: 53.165 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1160078
Ion Ratio Lower Upper
112 100
114 33.3 26.3 39.5

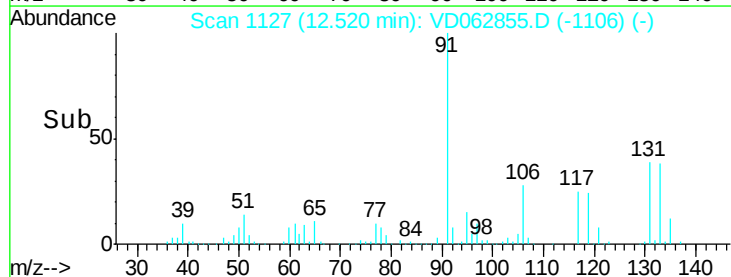
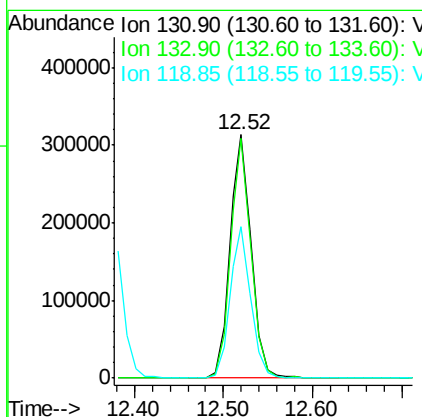
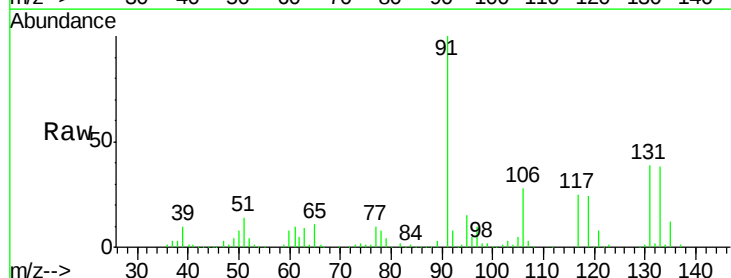
Manual Integrations
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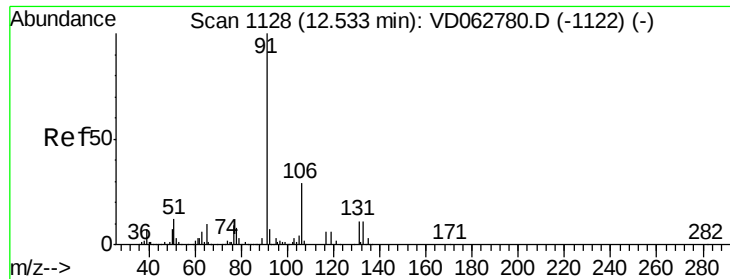
MMDadoda
6/25/2019 10:00:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.674 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:131 Resp: 527312
Ion Ratio Lower Upper
131 100
133 98.5 44.5 133.3
119 62.4 28.6 85.9





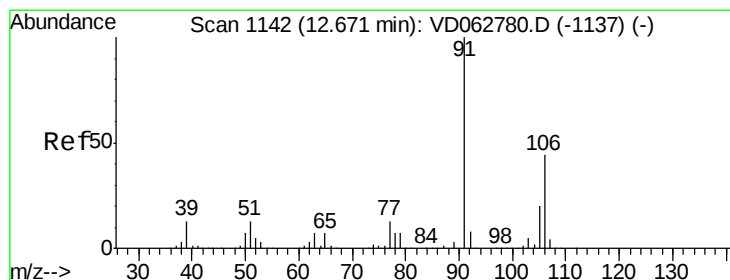
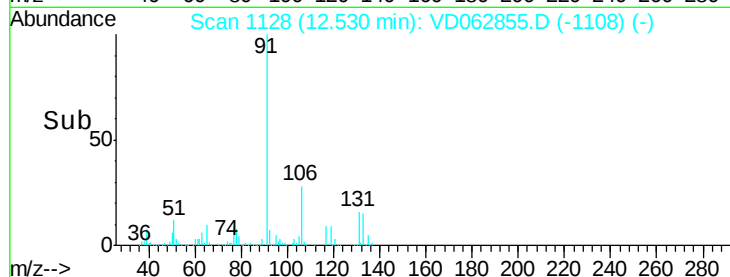
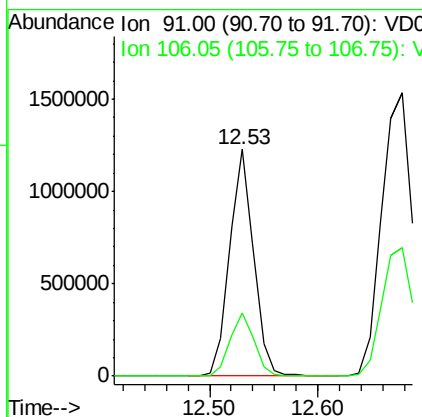
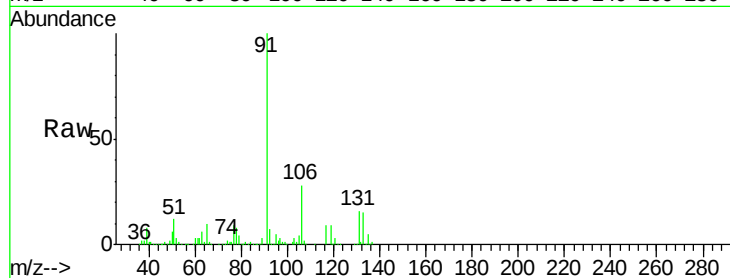
#67
Ethyl Benzene
Concen: 48.407 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1896394
Ion Ratio Lower Upper
91 100
106 28.0 23.1 34.7

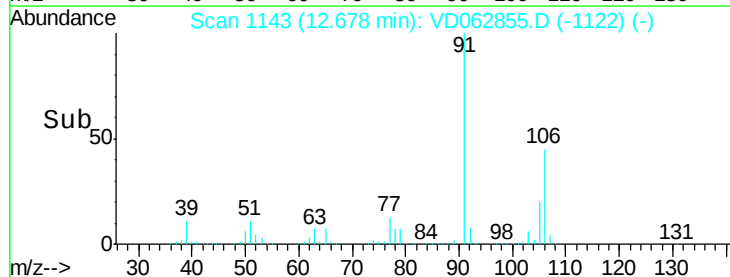
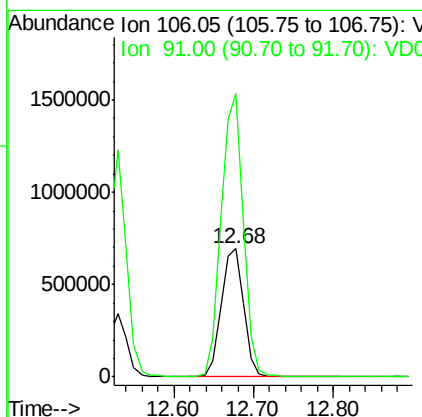
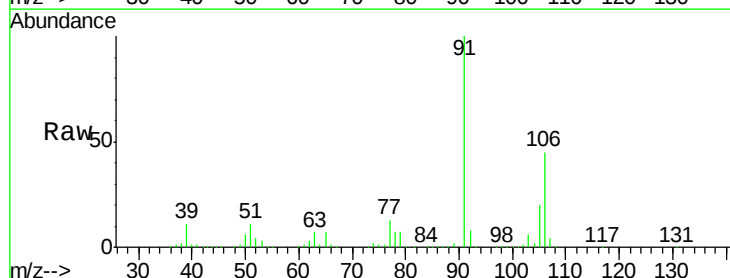
Manual Integrations
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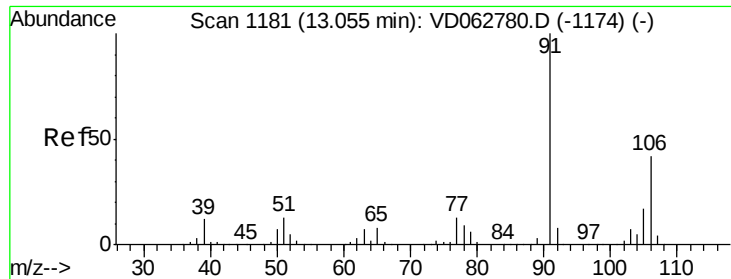
MMDadoda
6/25/2019 10:00:00 AM



#68
m/p-Xylenes
Concen: 101.007 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 106 Resp: 1378215
Ion Ratio Lower Upper
106 100
91 220.8 183.0 274.6





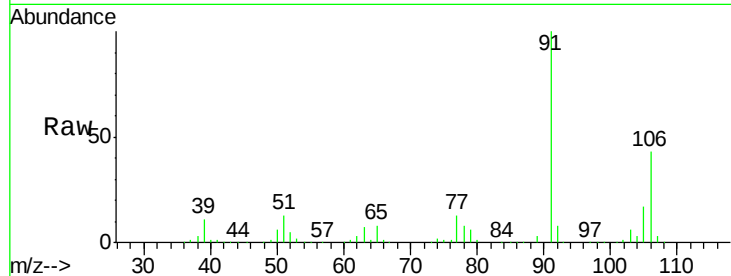
#69
o-Xylene
Concen: 51.501 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

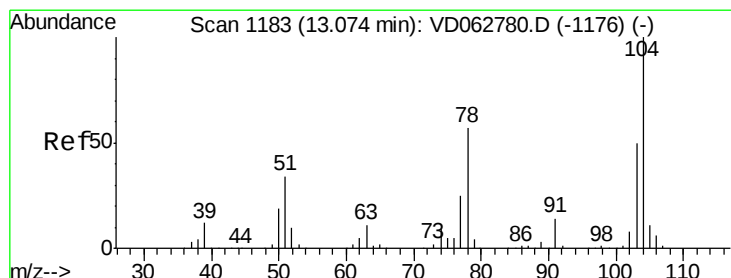
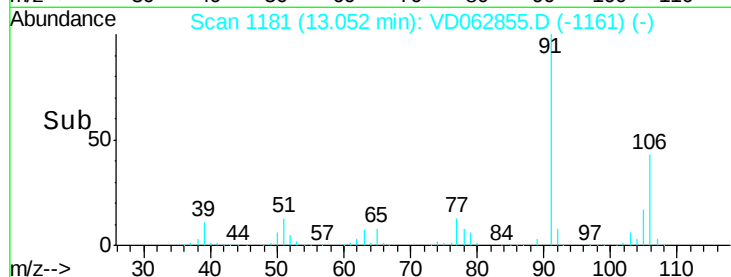
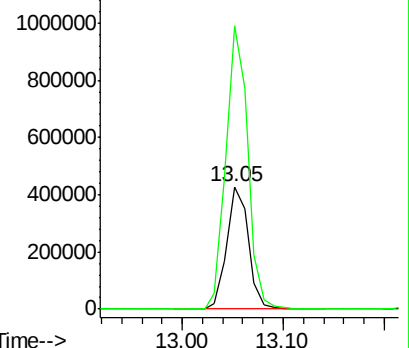
Tot Ion:106 Resp: 642395
Ion Ratio Lower Upper
106 100
91 231.7 117.9 353.6

Manual Integrations
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6/25/2019 10:00:00 AM

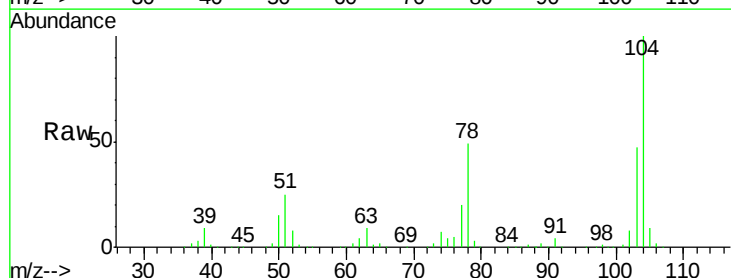


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

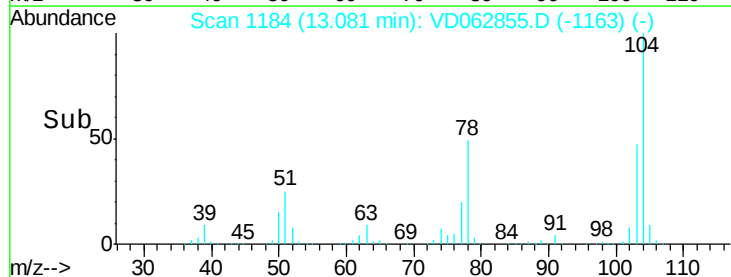
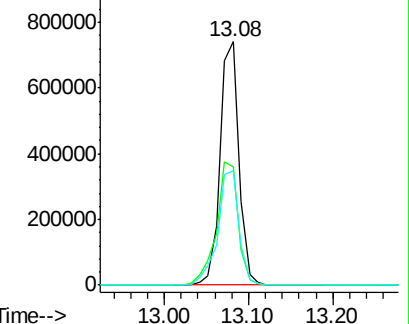


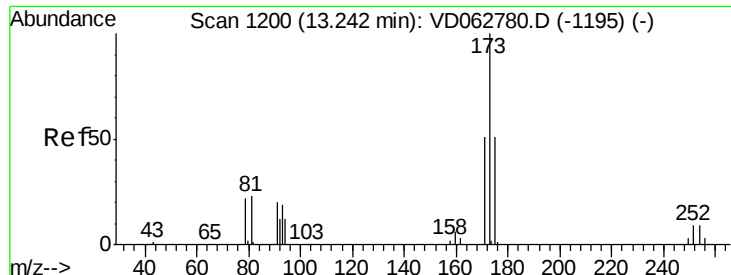
#70
Styrene
Concen: 52.539 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:104 Resp: 1151069
Ion Ratio Lower Upper
104 100
78 48.5 45.4 68.2
103 46.8 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





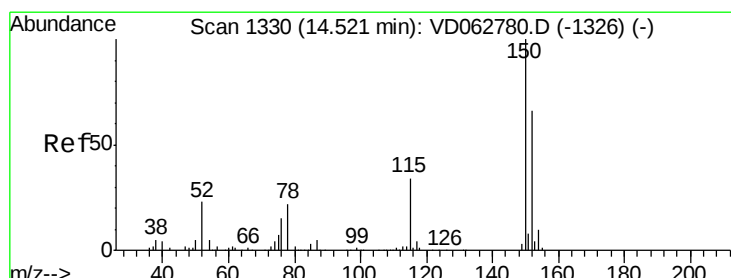
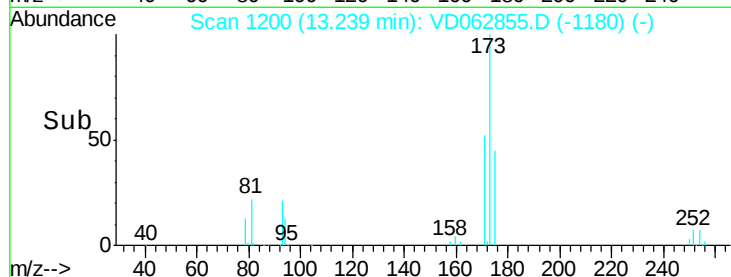
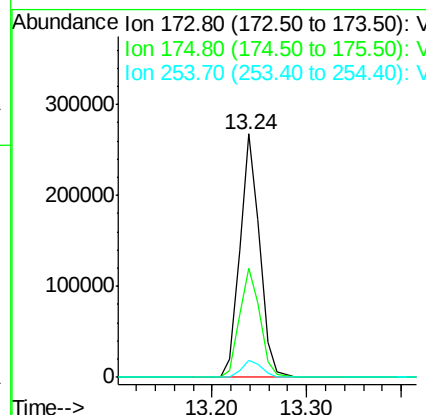
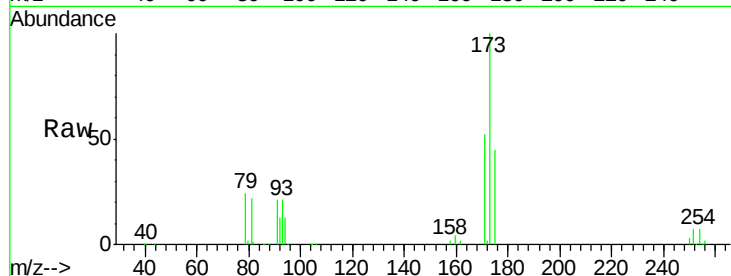
#71
Bromoform
Concen: 55.032 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.9	25.3	75.9
254	7.0	7.1	10.7

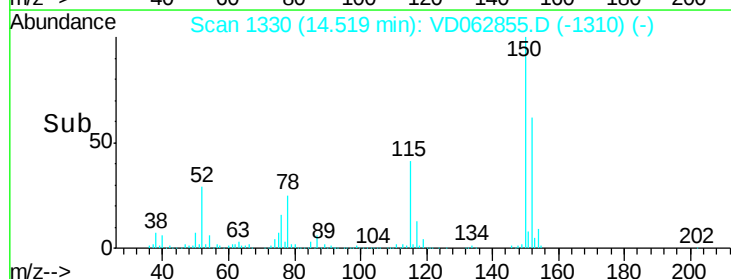
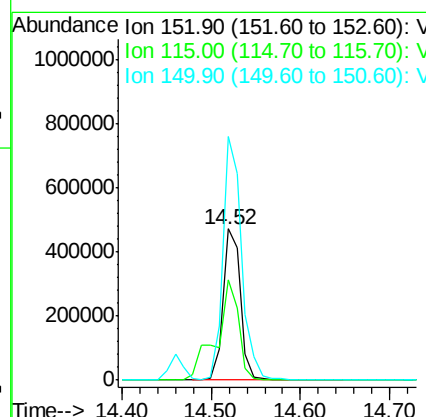
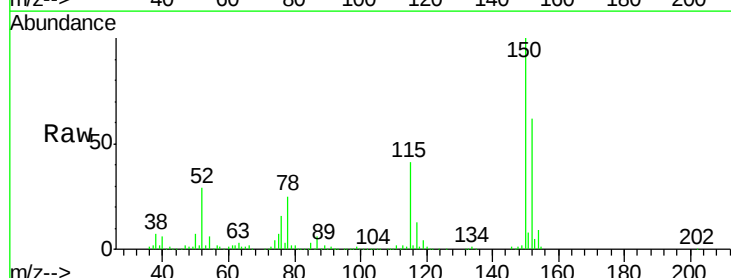
Manual Integrations
APPROVED

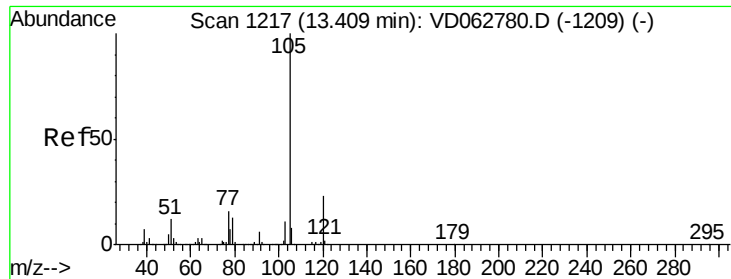
MMDadoda
6/25/2019 10:00:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	29.2	87.6
150	161.1	0.0	305.8





#73

Isopropylbenzene

Concen: 49.355 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2037427

Ion Ratio Lower Upper

105 100

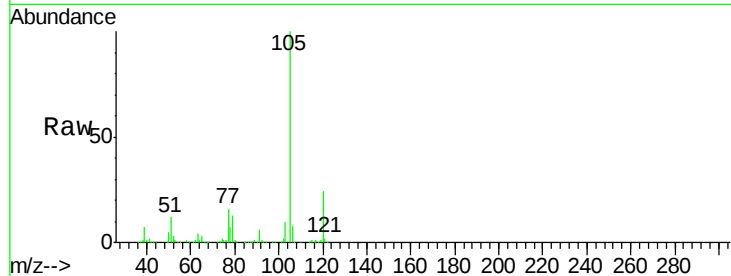
120 23.6 11.6 34.7

Manual Integrations

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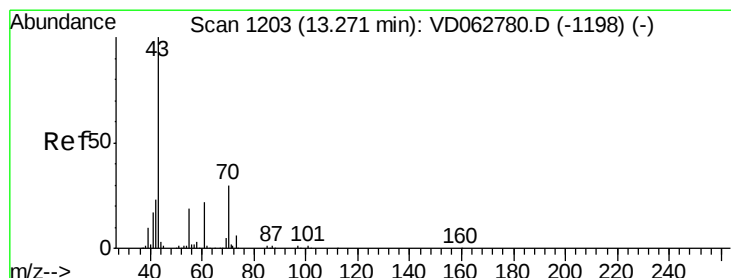
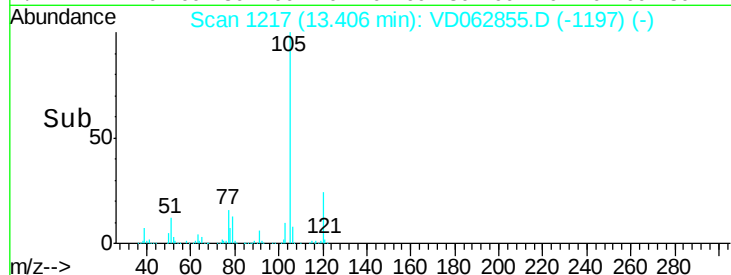
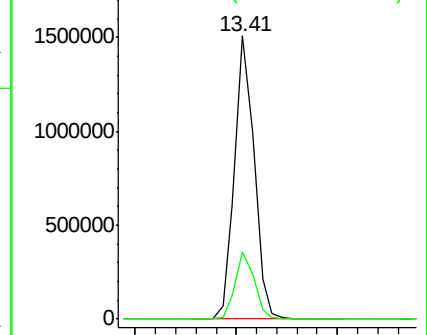
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6/25/2019 10:00:00 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.882 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion: 43 Resp: 560213

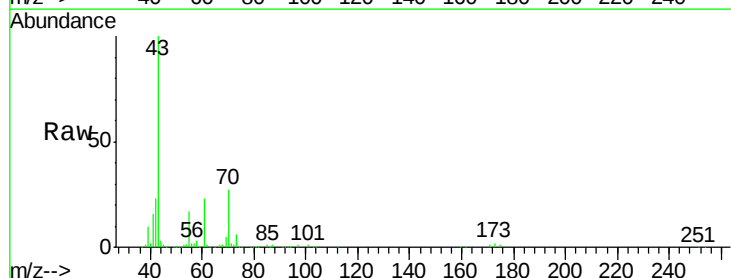
Ion Ratio Lower Upper

43 100

70 26.8 24.4 36.6

55 16.9 15.2 22.8

61 22.9 17.4 26.2

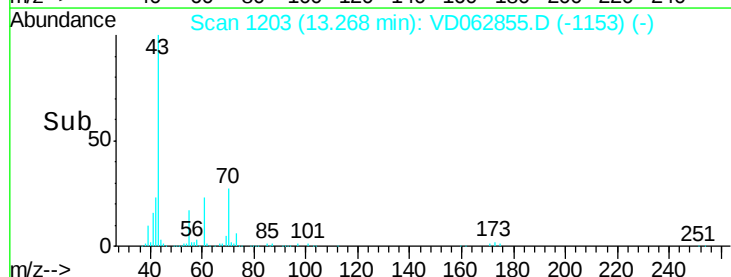
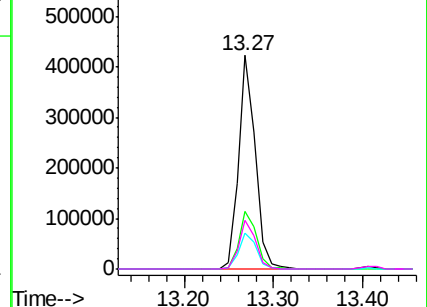


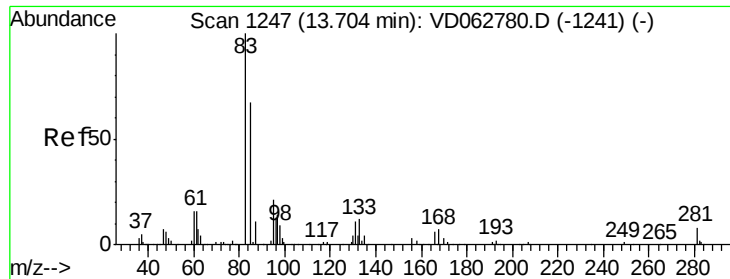
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.846 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 375624

Ion Ratio Lower Upper

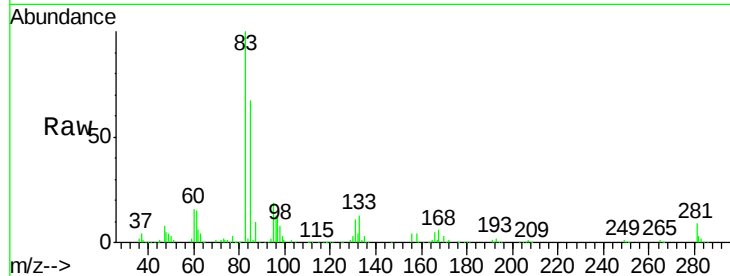
83 100

131 10.7 5.3 16.1

85 67.1 33.7 101.1

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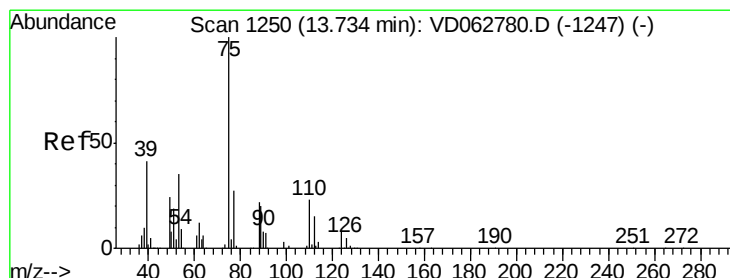
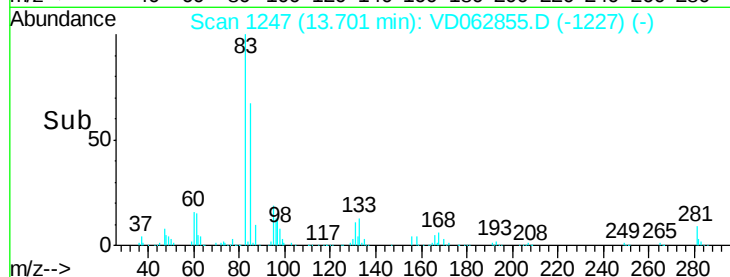
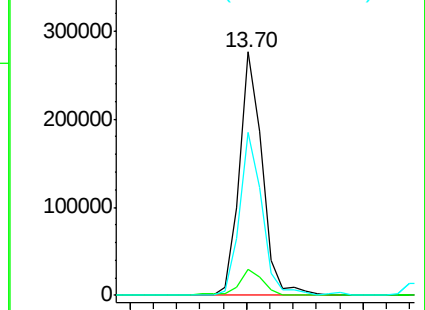
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.205 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062855.D

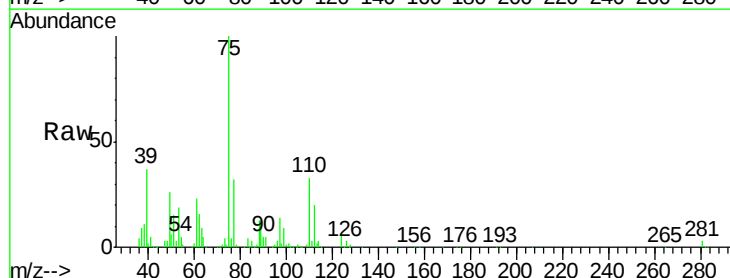
Acq: 24 Jun 2019 23:48

Tgt Ion: 75 Resp: 365717

Ion Ratio Lower Upper

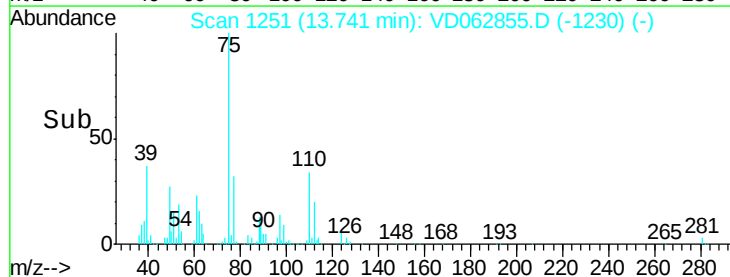
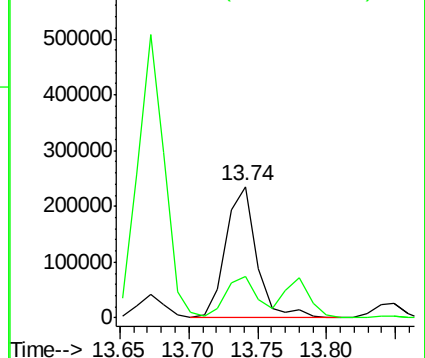
75 100

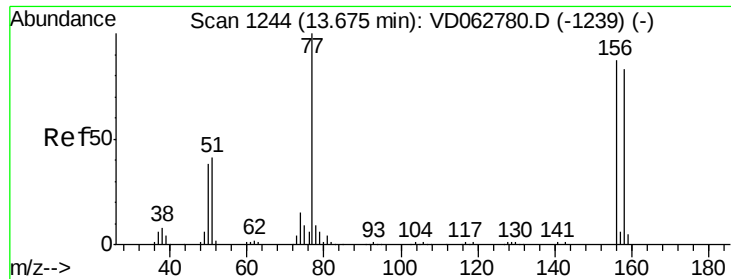
77 32.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.308 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 569694

Ion Ratio Lower Upper

156 100

77 125.3 57.7 173.1

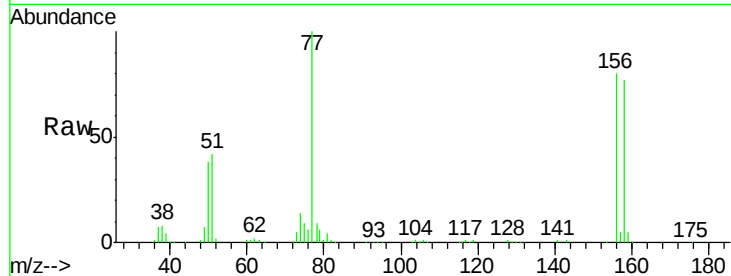
158 96.2 47.7 143.1

Manual Integrations

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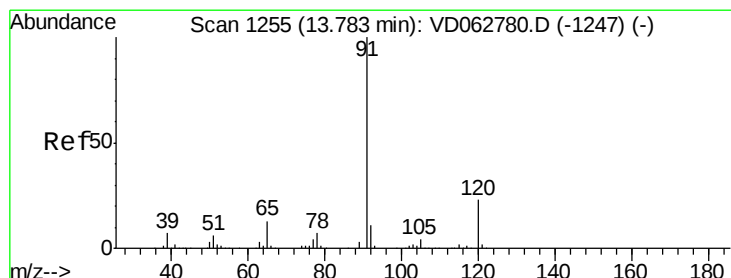
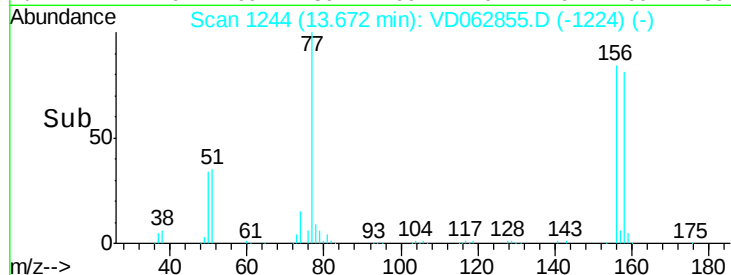
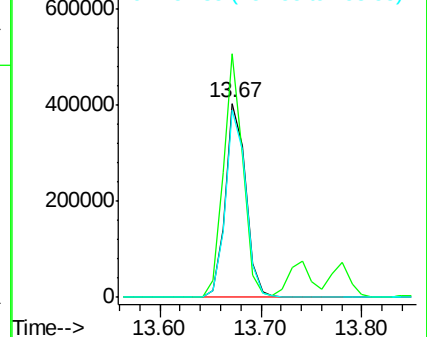
6/25/2019 10:00:00 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.393 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062855.D

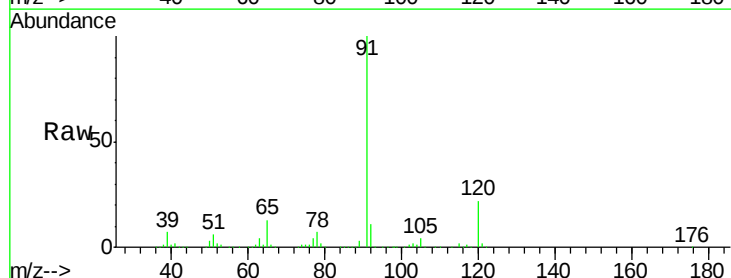
Acq: 24 Jun 2019 23:48

Tgt Ion: 91 Resp: 2277092

Ion Ratio Lower Upper

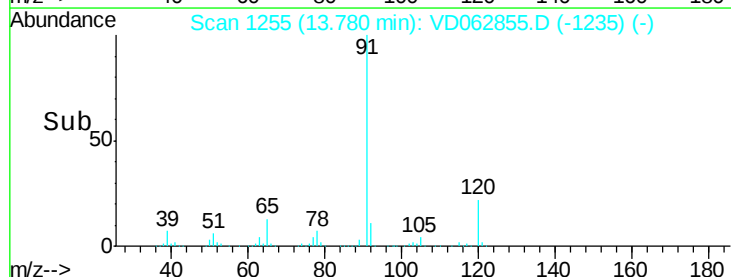
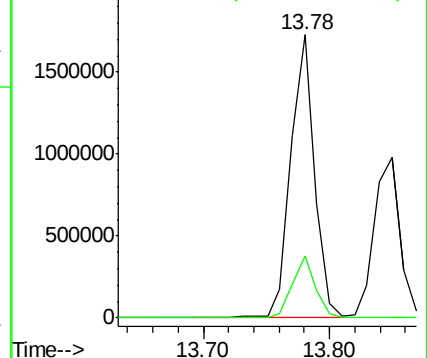
91 100

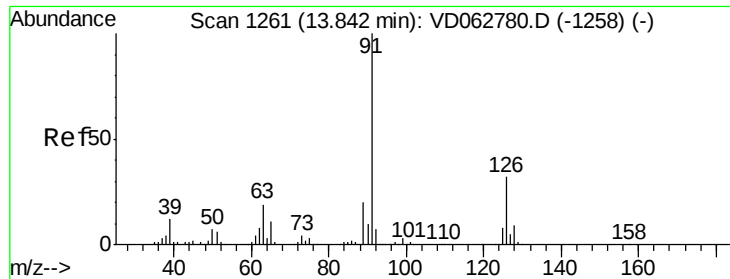
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





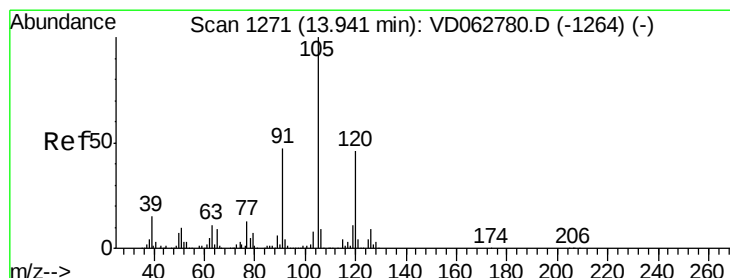
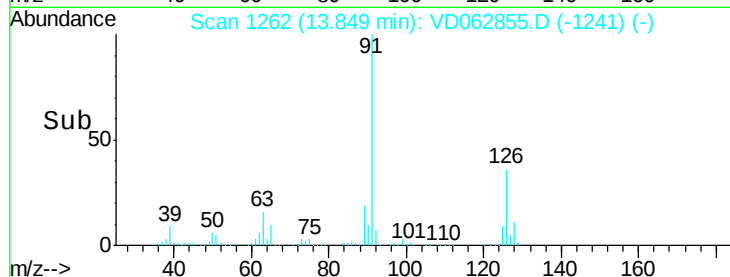
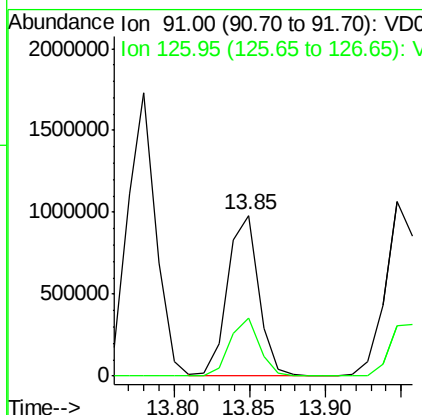
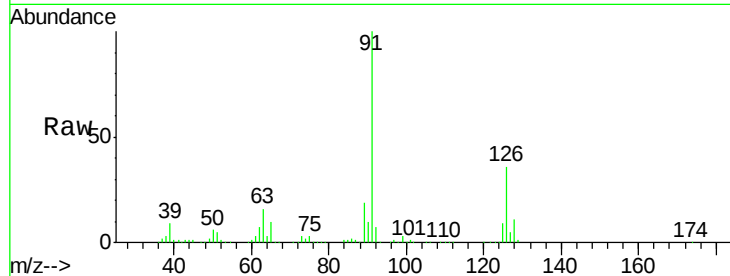
#79
2-Chlorotoluene
Concen: 51.104 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1403227
Ion Ratio Lower Upper
91 100
126 35.9 15.7 47.1

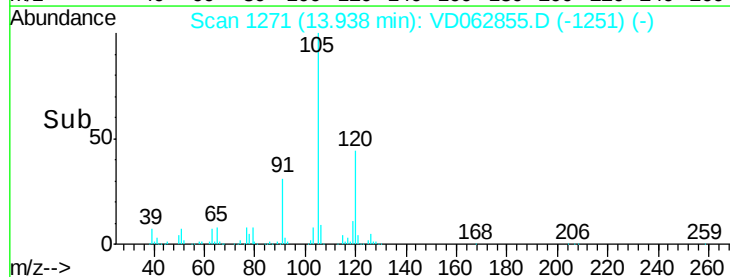
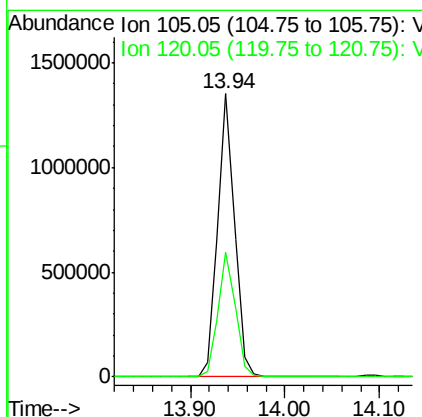
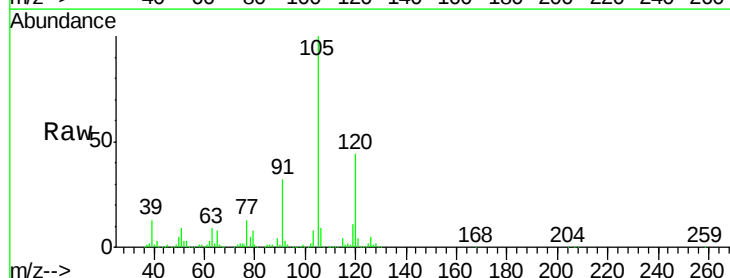
Manual Integrations
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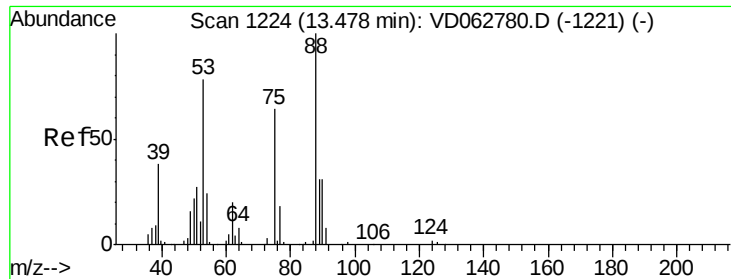
MMDadoda
6/25/2019 10:00:00 AM



#80
1,3,5-Trimethylbenzene
Concen: 48.495 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:105 Resp: 1681532
Ion Ratio Lower Upper
105 100
120 44.2 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.183 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

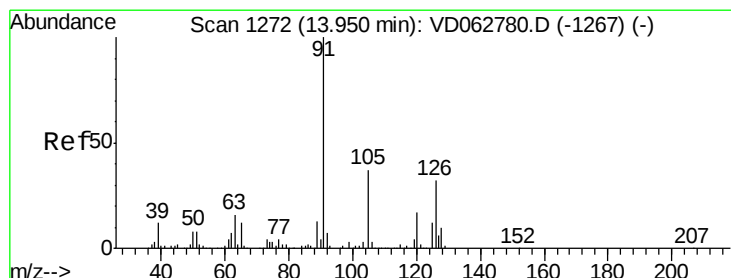
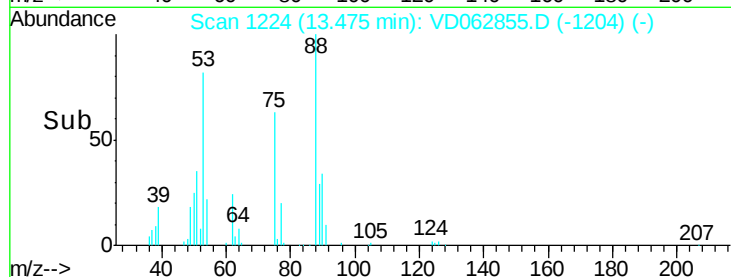
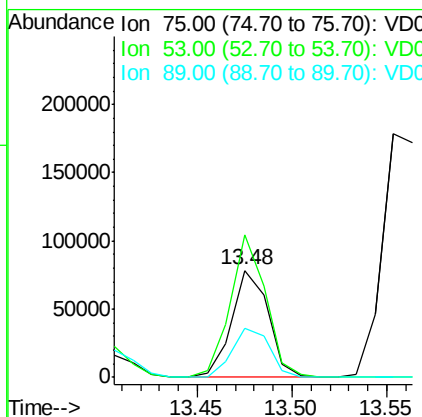
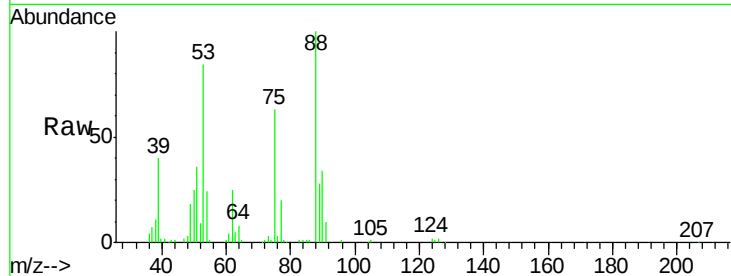
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	105545
Ion Ratio	Lower	Upper	
75	100		
53	133.6	97.8	146.8
89	45.5	39.4	59.2

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#82

4-Chlorotoluene

Concen: 47.632 ug/l

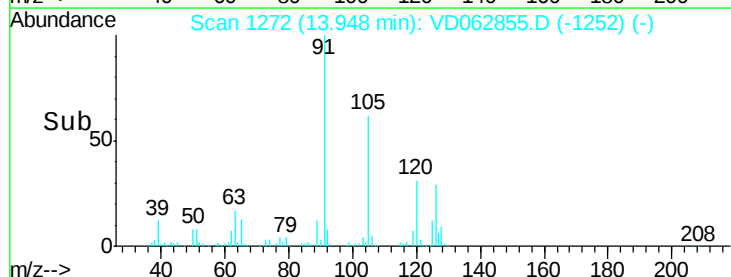
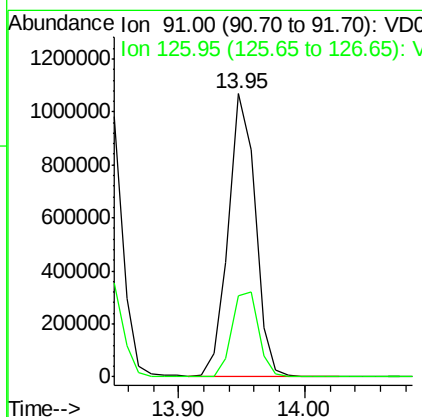
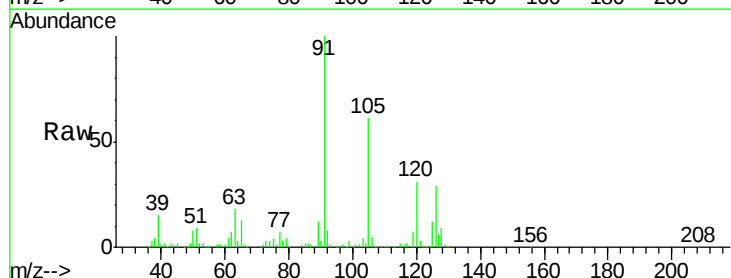
RT: 13.95 min Scan# 1272

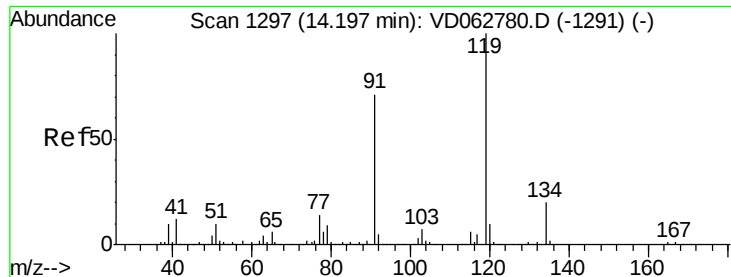
Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion:	91	Resp:	1574570
Ion Ratio	Lower	Upper	
91	100		
126	28.6	16.0	47.9





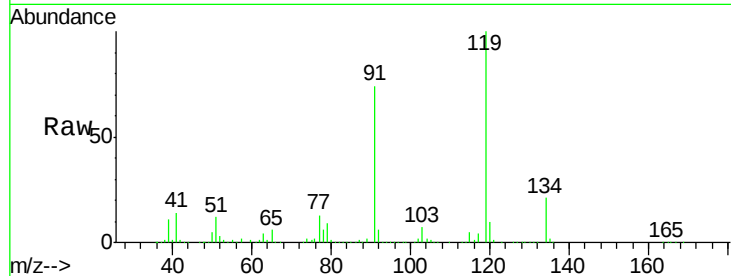
#83
tert-Butylbenzene
Concen: 50.099 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

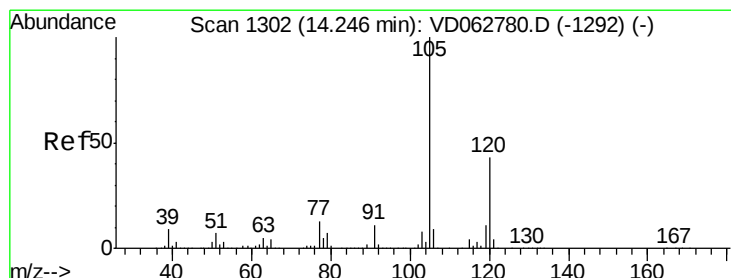
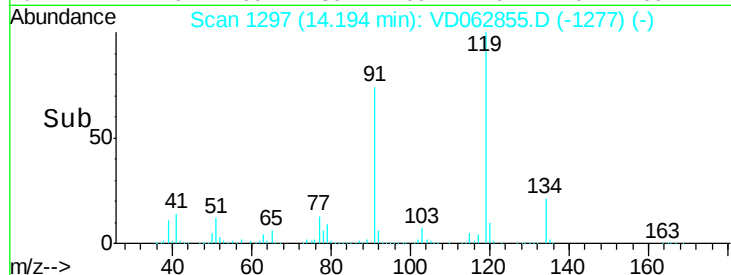
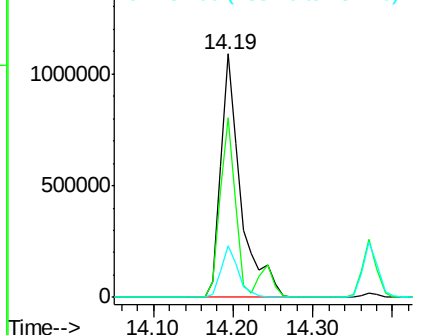
Tot Ion:119 Resp: 1936316
Ion Ratio Lower Upper
119 100
91 74.0 35.5 106.5
134 21.3 10.2 30.6

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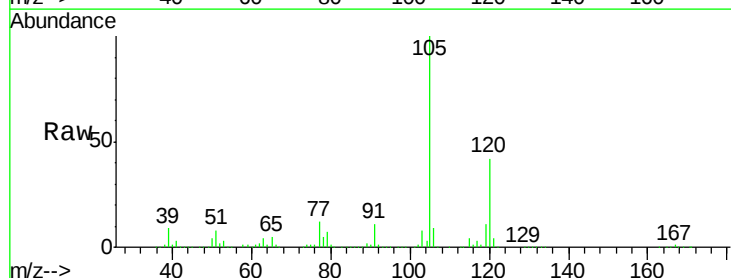


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

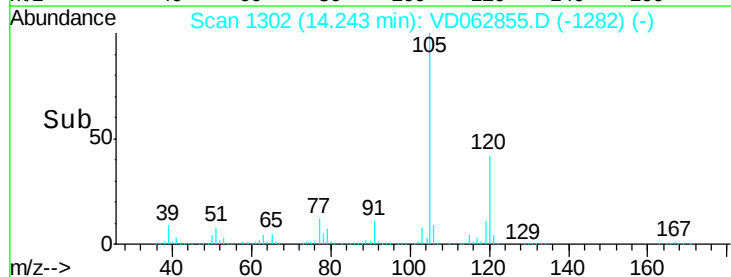
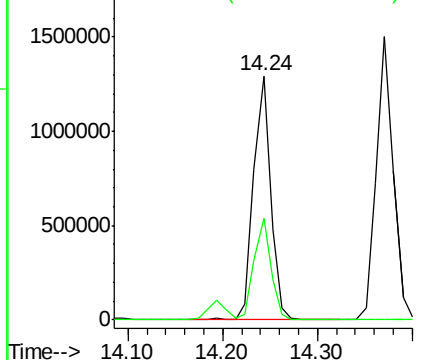


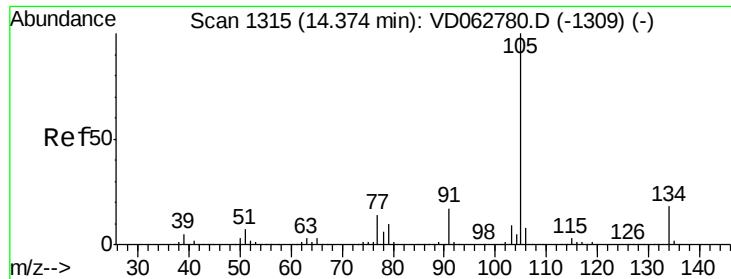
#84
1,2,4-Trimethylbenzene
Concen: 45.901 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:105 Resp: 1631308
Ion Ratio Lower Upper
105 100
120 41.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 45.294 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1902681

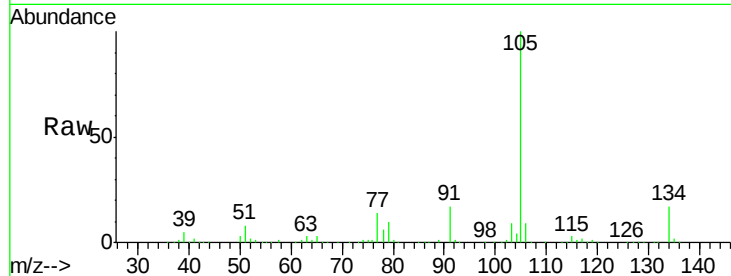
Ion Ratio Lower Upper

105 100

134 16.7 9.1 27.3

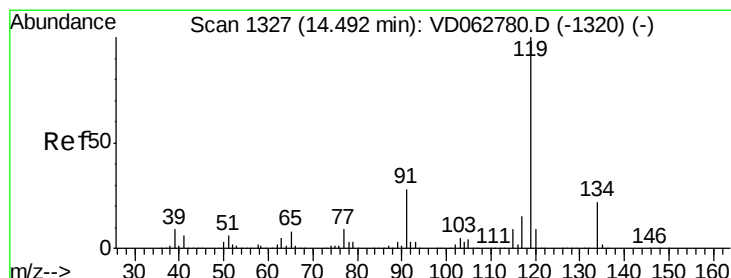
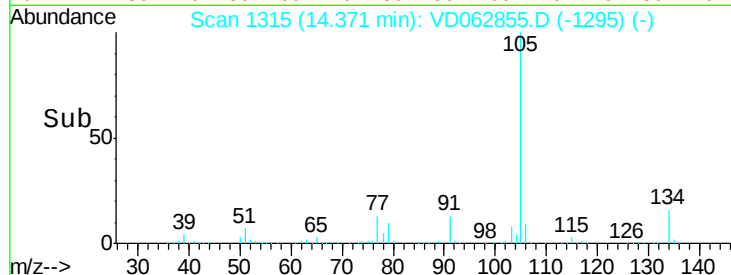
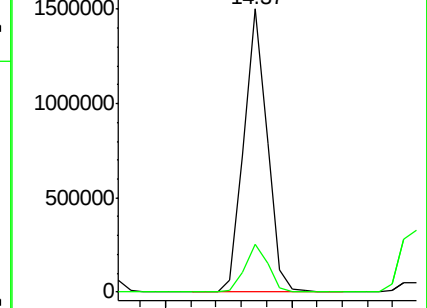
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.638 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

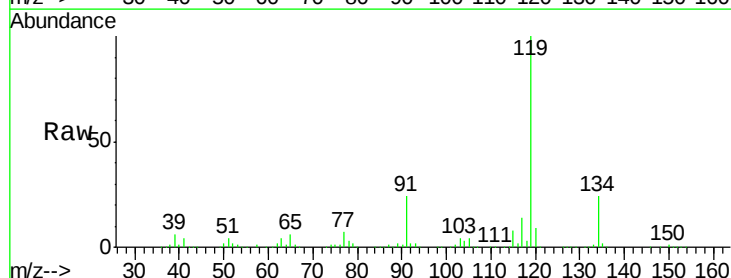
Tgt Ion:119 Resp: 1946006

Ion Ratio Lower Upper

119 100

134 23.9 11.1 33.1

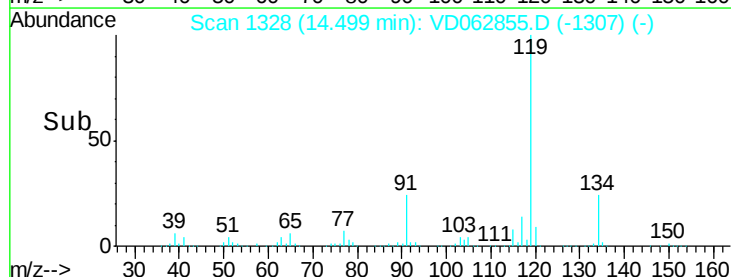
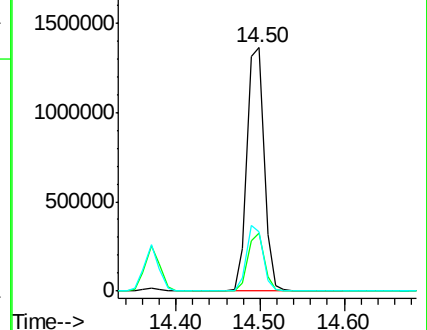
91 24.3 14.0 41.9

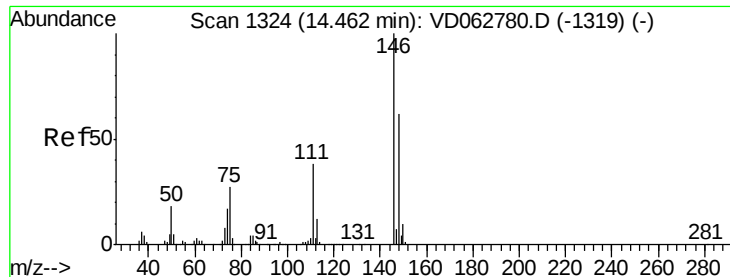


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





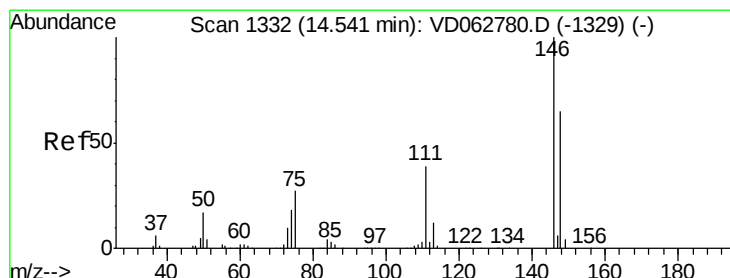
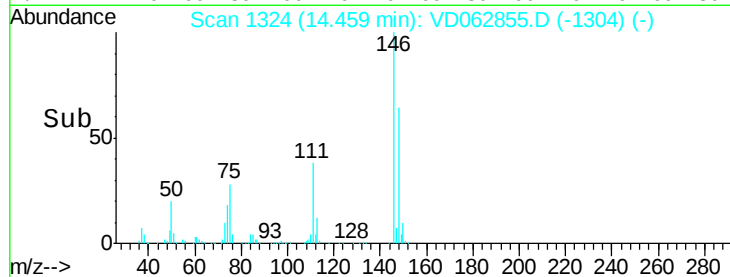
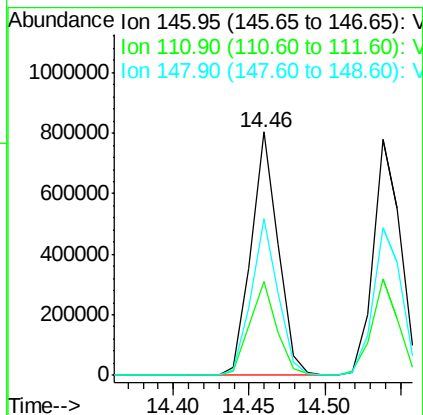
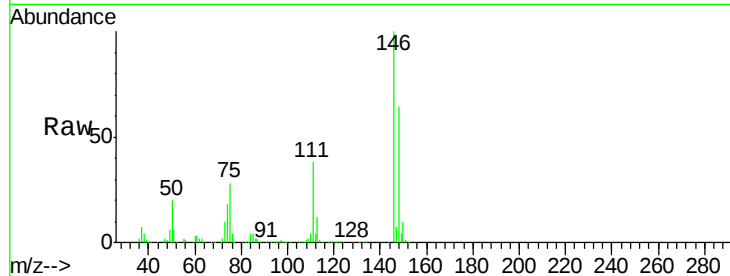
#87
 1,3-Dichlorobenzene
 Concen: 50.450 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1004130
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.3 30.8 92.3

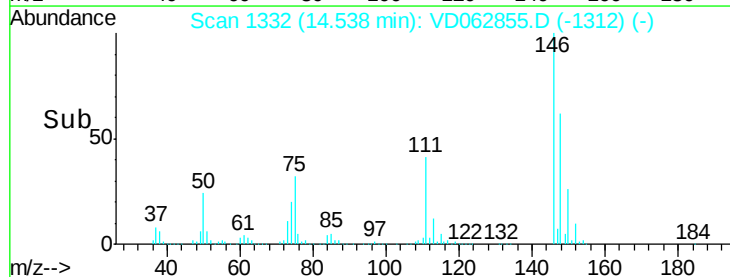
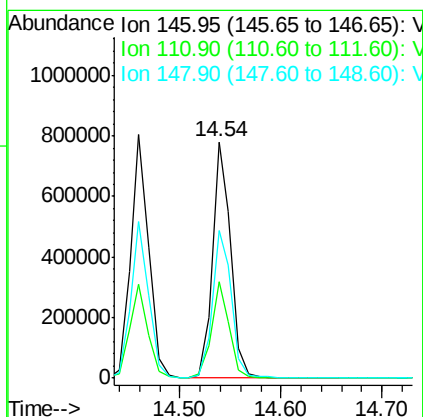
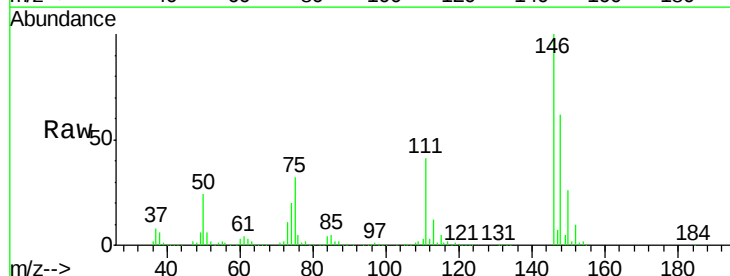
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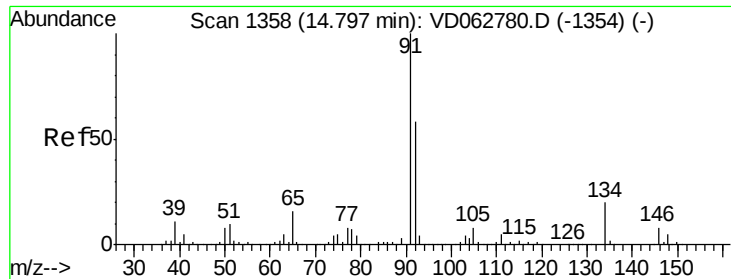
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 6/25/2019 10:00:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.454 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion:146 Resp: 988645
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.7 59.1
 148 62.4 32.8 98.3





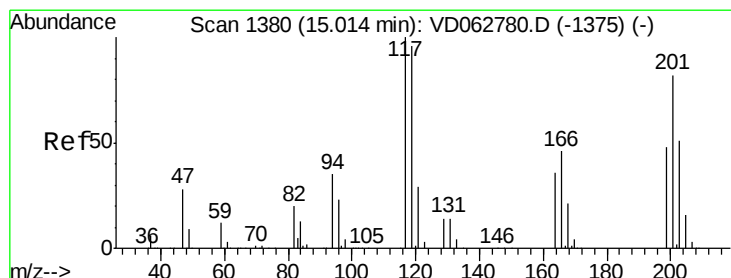
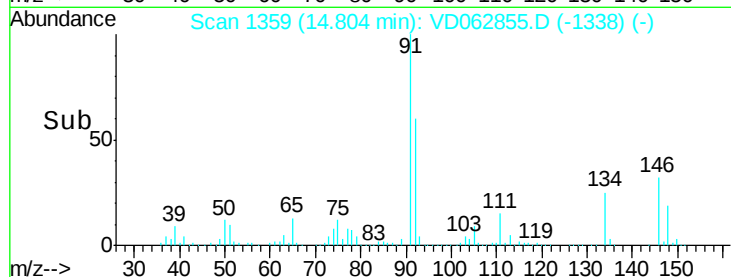
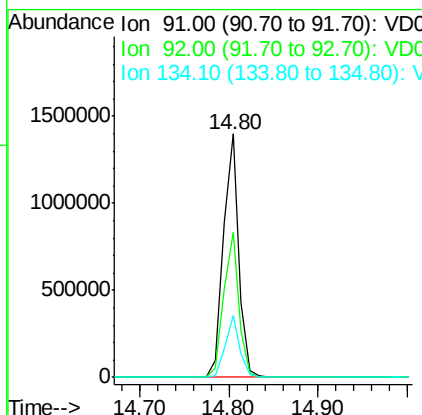
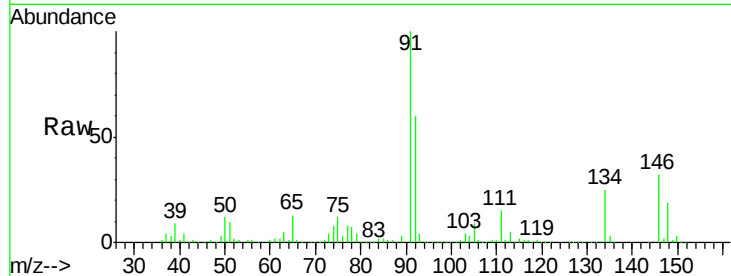
#89
n-Butylbenzene
Concen: 47.269 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1700196
Ion Ratio Lower Upper
91 100
92 59.6 28.9 86.7
134 25.4 10.1 30.3

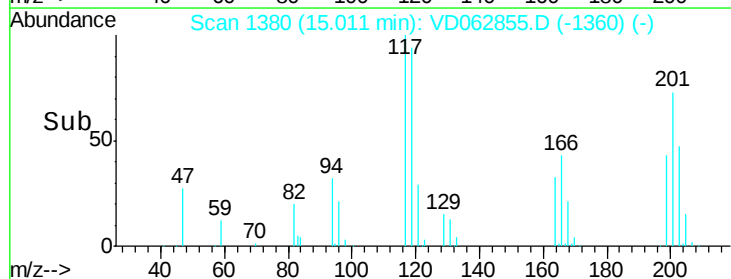
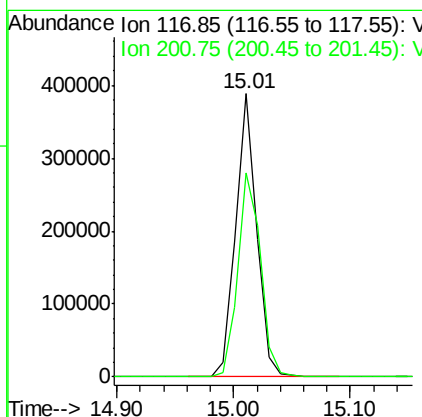
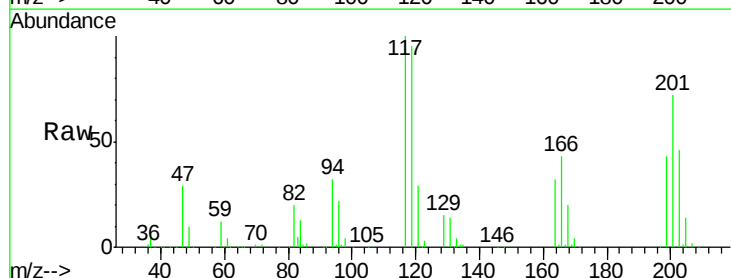
Manual Integrations
APPROVED

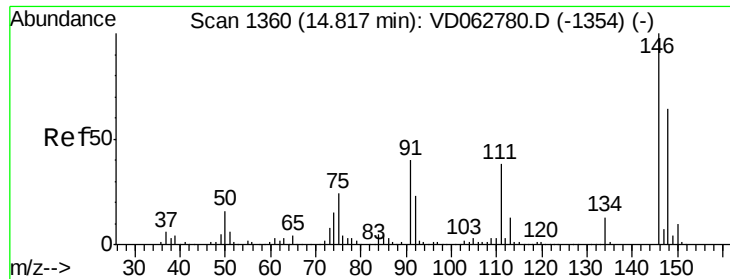
MMDadoda
6/25/2019 10:00:00 AM



#90
Hexachloroethane
Concen: 46.770 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 117 Resp: 483256
Ion Ratio Lower Upper
117 100
201 72.0 40.8 122.2





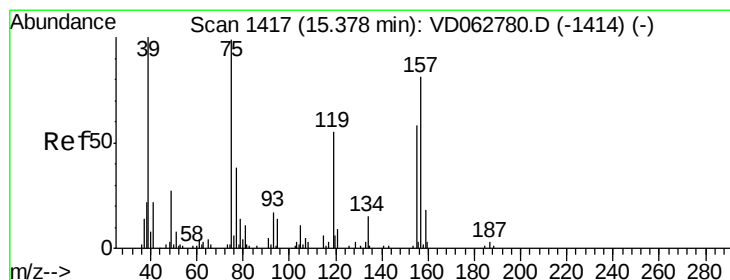
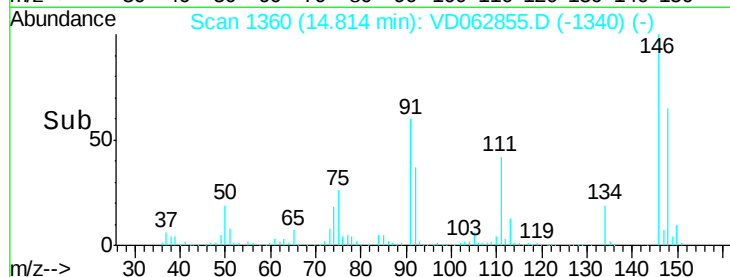
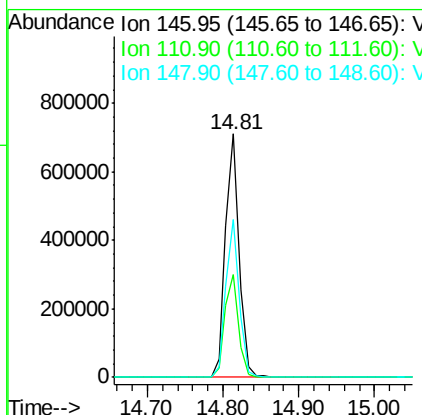
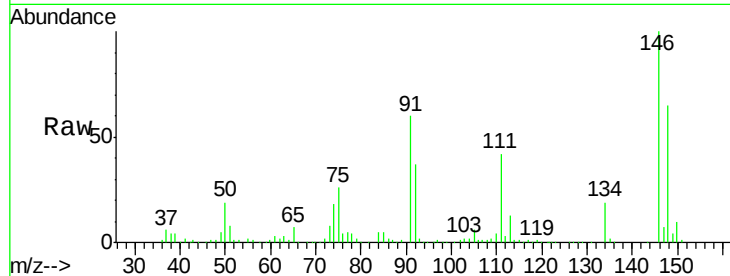
#91
 1,2-Dichlorobenzene
 Concen: 52.561 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.1	57.1
148	64.7	32.3	96.8

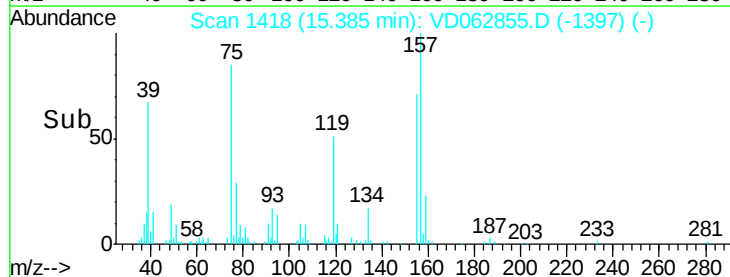
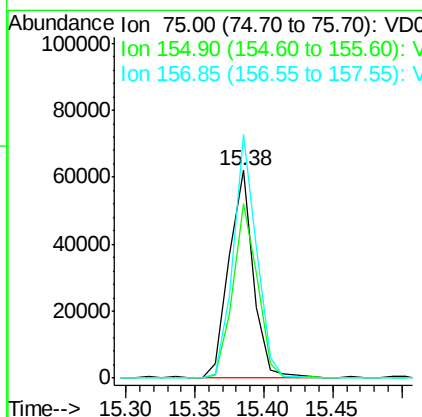
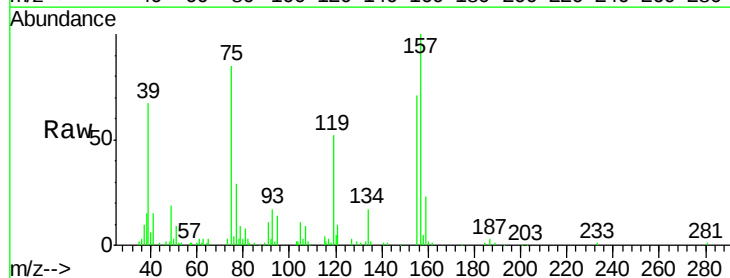
Manual Integrations
 APPROVED

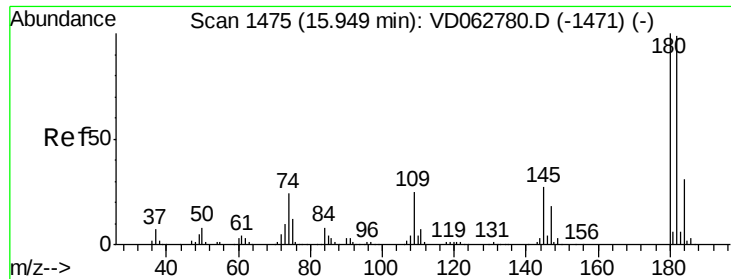
MMDadoda
 6/25/2019 10:00:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.154 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	29.3	87.8
157	117.4	41.3	123.7





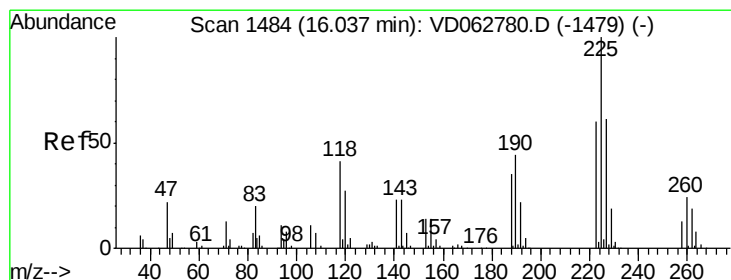
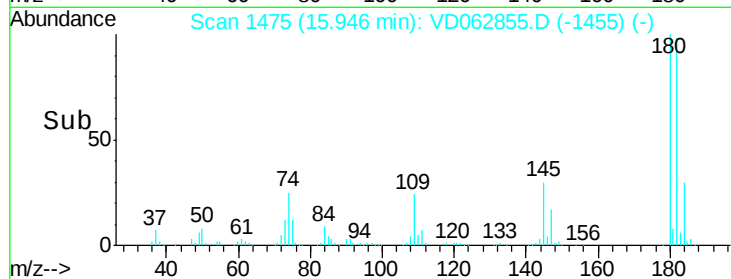
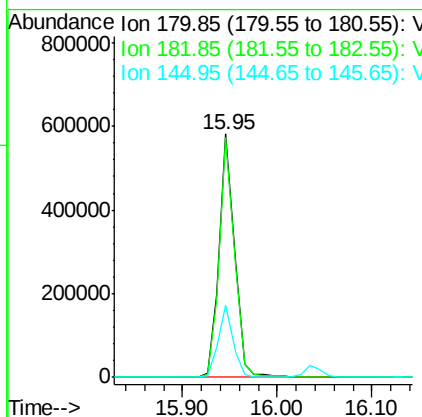
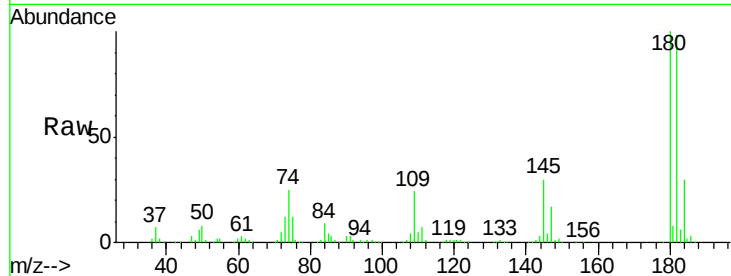
#93
 1,2,4-Trichlorobenzene
 Concen: 49.771 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	49.5	148.5
145	29.7	13.7	41.0

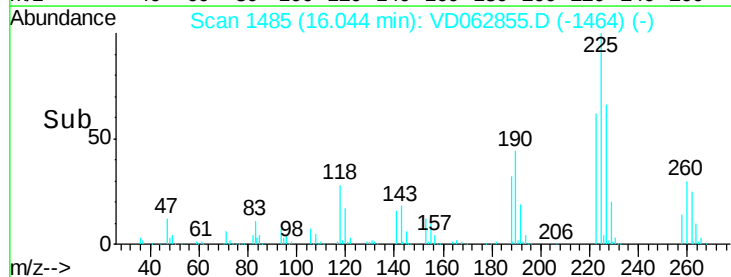
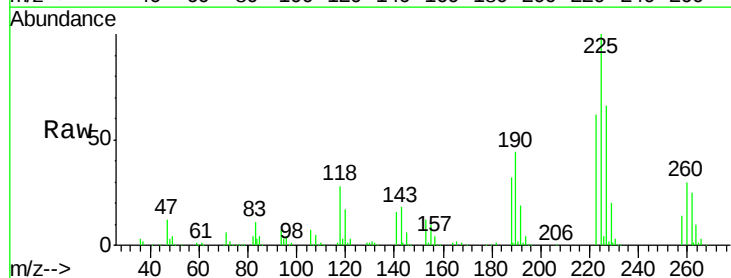
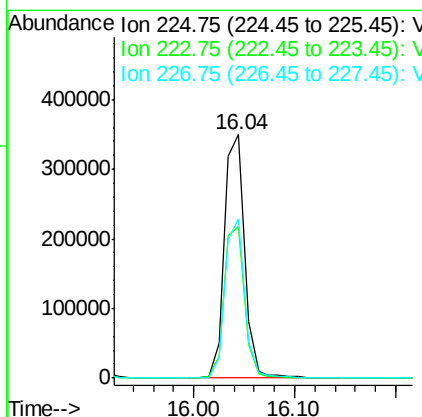
Manual Integrations
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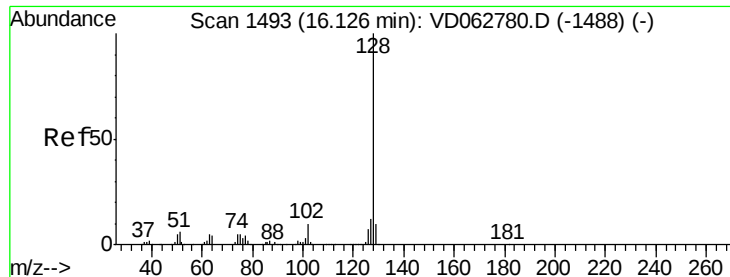
MMDadoda
 6/25/2019 10:00:00 AM



#94
 Hexachlorobutadiene
 Concen: 48.116 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	29.8	89.5
227	65.6	30.6	91.6





#95

Naphthalene

Concen: 59.598 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1111192

Ion Ratio Lower Upper

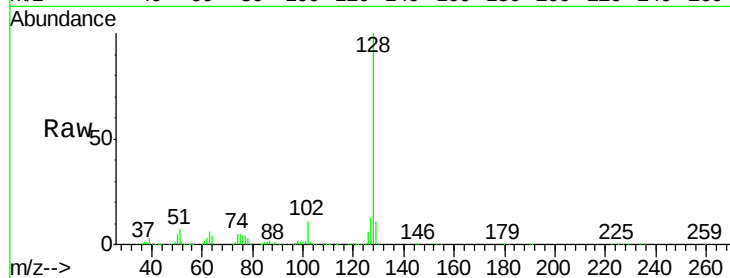
128 100

127 12.7 9.7 14.5

129 11.3 8.3 12.5

Manual Integrations
APPROVED

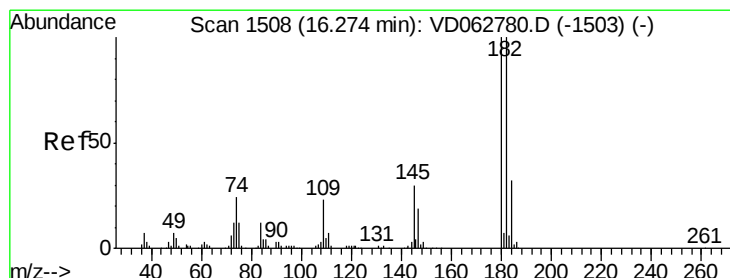
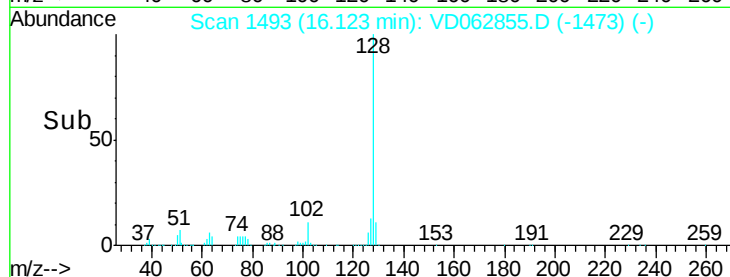
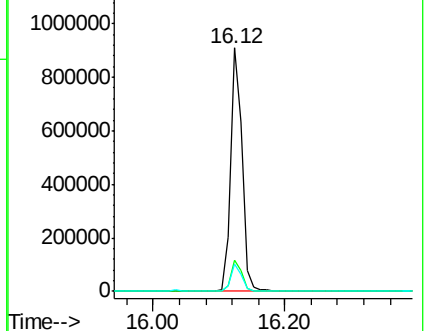
MMDadoda
6/25/2019 10:00:00 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.886 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

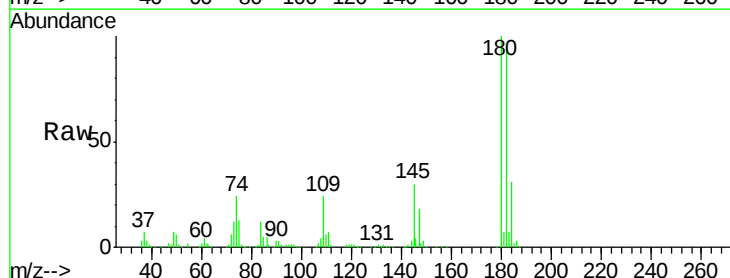
Tgt Ion:180 Resp: 560977

Ion Ratio Lower Upper

180 100

182 94.2 49.9 149.6

145 29.5 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

