

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062905.D
 Acq On : 26 Jun 2019 5:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:52 AM

Quant Time: Jun 26 07:39:49 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	7.04	168	717307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	969809	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	853098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	482235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	416822	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
35) Dibromofluoromethane	6.92	113	435838	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.41	98	921950	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	13.56	95	451668	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	405491	43.685	ug/l	97
3) Chloromethane	1.75	50	306173	43.859	ug/l	99
4) Vinyl Chloride	1.84	62	318100	45.959	ug/l	99
5) Bromomethane	2.15	94	166178	51.267	ug/l	93
6) Chloroethane	2.27	64	159223	50.812	ug/l	99
7) Trichlorofluoromethane	2.53	101	711204	50.773	ug/l	100
8) Diethyl Ether	2.87	74	94134	52.891	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	371772	48.991	ug/l	99
10) Methyl Iodide	3.30	142	503868	50.328	ug/l	98
11) Tert butyl alcohol	4.08	59	91427	257.459	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	265022	46.554	ug/l	84
13) Acrolein	3.03	56	72022	198.666	ug/l	94
14) Allyl chloride	3.62	41	411404	48.909	ug/l	92
15) Acrylonitrile	4.20	53	226785	271.788	ug/l	93
16) Acetone	3.22	43	401362	253.950	ug/l	96
17) Carbon Disulfide	3.37	76	800303	43.987	ug/l	97
18) Methyl Acetate	3.65	43	208283	88.491	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	690572	56.035	ug/l	96
20) Methylene Chloride	3.81	84	305572	51.388	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	300352	49.550	ug/l	89
22) Diisopropyl ether	5.12	45	957664	55.982	ug/l	96
23) Vinyl Acetate	5.05	43	2618086	244.583	ug/l	100
24) 1,1-Dichloroethane	4.97	63	566955	50.904	ug/l	99
25) 2-Butanone	6.08	43	417674	286.415	ug/l	95
26) 2,2-Dichloropropane	6.02	77	522785	44.284	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	327691	51.122	ug/l	96
28) Bromochloromethane	6.43	49	216051	55.077	ug/l	86
29) Tetrahydrofuran	6.46	42	187241	271.376	ug/l	99
30) Chloroform	6.66	83	772325	57.019	ug/l	95
31) Cyclohexane	6.95	56	330669	45.162	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	740343	52.476	ug/l	94
36) 1,1-Dichloropropene	7.14	75	436386	47.533	ug/l	98
37) Ethyl Acetate	6.18	43	212077	55.104	ug/l	96
38) Carbon Tetrachloride	7.11	117	711480m	51.529	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	8.86	83	365062	45.175	ug/l	96
40) Benzene	7.45	78	969395	52.604	ug/l	99
41) Methacrylonitrile	6.45	41	267592	55.270	ug/l	89
42) 1,2-Dichloroethane	7.57	62	609035	60.582	ug/l	97
43) Isopropyl Acetate	9.25	43	293556	60.991	ug/l #	92
44) Trichloroethene	8.54	130	399490	55.295	ug/l	96
45) 1,2-Dichloropropane	8.94	63	242948	53.019	ug/l	92
46) Dibromomethane	9.06	93	222522	56.531	ug/l	94
47) Bromodichloromethane	9.37	83	617431	60.397	ug/l	96
48) Methyl methacrylate	9.12	41	195136	57.052	ug/l	96
49) 1,4-Dioxane	9.09	88	33432	1174.870	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	1001366	293.445	ug/l	98
52) Toluene	10.51	92	635121	51.271	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	493972	59.036	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	497201	54.670	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	249645	58.659	ug/l	95
56) Ethyl methacrylate	11.04	69	264803	58.221	ug/l	94
57) 1,3-Dichloropropane	11.41	76	371871	57.067	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	746026	319.499	ug/l	96
59) 2-Hexanone	11.53	43	772320	317.787	ug/l	95
60) Dibromochloromethane	11.69	129	486691	61.395	ug/l	99
61) 1,2-Dibromoethane	11.81	107	298661	59.418	ug/l	95
64) Tetrachloroethene	11.25	164	432179	61.553	ug/l	95
65) Chlorobenzene	12.40	112	834422	52.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	414956	56.043	ug/l	93
67) Ethyl Benzene	12.52	91	1503891	52.906	ug/l	98
68) m/p-Xylenes	12.67	106	1000266	101.033	ug/l	100
69) o-Xylene	13.05	106	495505	54.749	ug/l	95
70) Styrene	13.08	104	879603	55.332	ug/l	92
71) Bromoform	13.23	173	297296	58.604	ug/l	93
73) Isopropylbenzene	13.40	105	1455978	47.089	ug/l	100
74) N-amyl acetate	13.26	43	385810	51.381	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	276442	54.872	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	313962	56.396	ug/l	97
77) Bromobenzene	13.67	156	446224	53.655	ug/l	92
78) n-propylbenzene	13.77	91	1634266	45.411	ug/l	97
79) 2-Chlorotoluene	13.84	91	978817	47.593	ug/l	89
80) 1,3,5-Trimethylbenzene	13.93	105	1313805	50.586	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	73718	50.525	ug/l	92
82) 4-Chlorotoluene	13.94	91	1279907	51.692	ug/l	91
83) tert-Butylbenzene	14.19	119	1354049	46.773	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1208772	45.409	ug/l	98
85) sec-Butylbenzene	14.37	105	1399860	44.491	ug/l	94
86) p-Isopropyltoluene	14.49	119	1417624	49.249	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	736753	49.420	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	698317	46.636	ug/l	97
89) n-Butylbenzene	14.80	91	1233704	45.792	ug/l	97
90) Hexachloroethane	15.01	117	379234	49.001	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	686180	53.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58378	59.369	ug/l	70

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VSTDCCC050EC

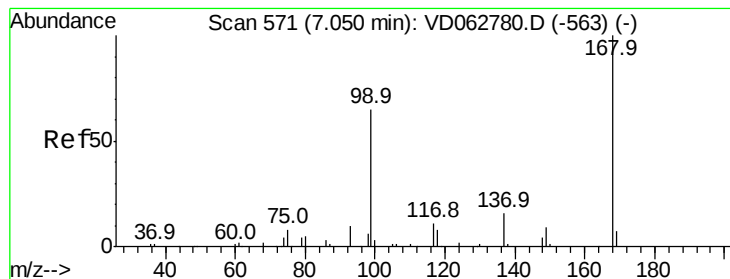
Manual Integrations
APPROVED

MMDadoda
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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	15.94	180	491868	49.366	ug/l	98
94) Hexachlorobutadiene	16.04	225	354926	46.628	ug/l	99
95) Naphthalene	16.12	128	804879	57.635	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	389228	50.843	ug/l	96

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



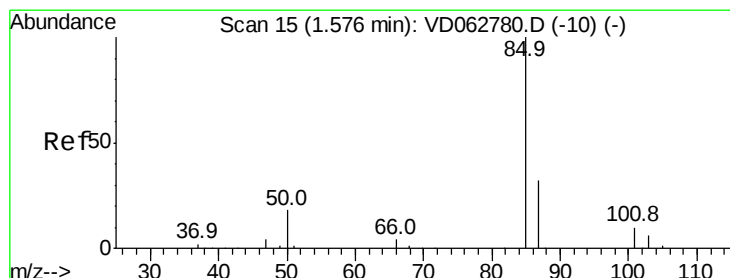
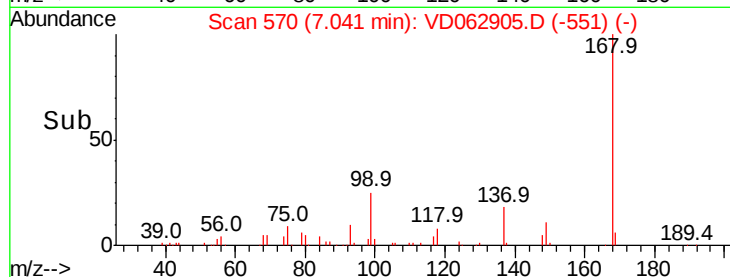
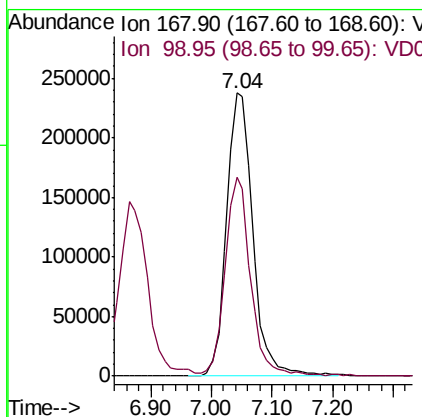
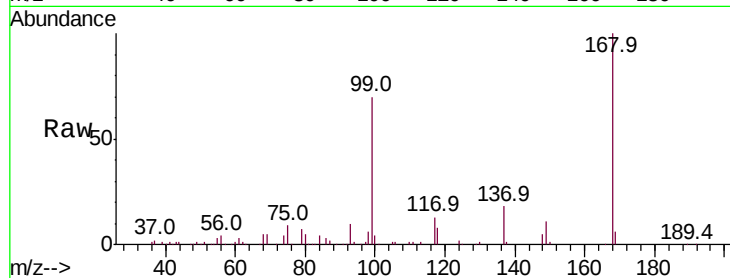
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	70.5	53.0	79.6

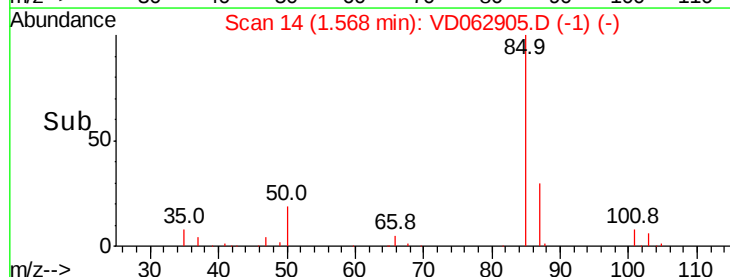
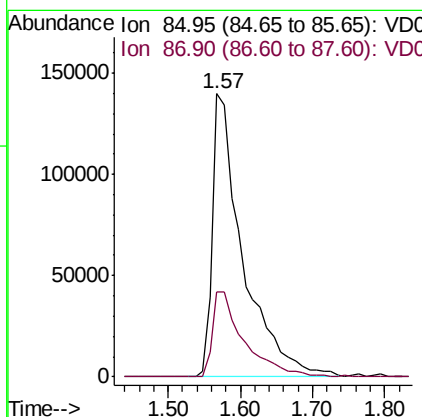
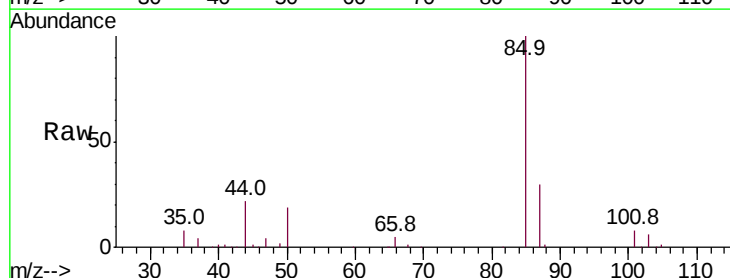
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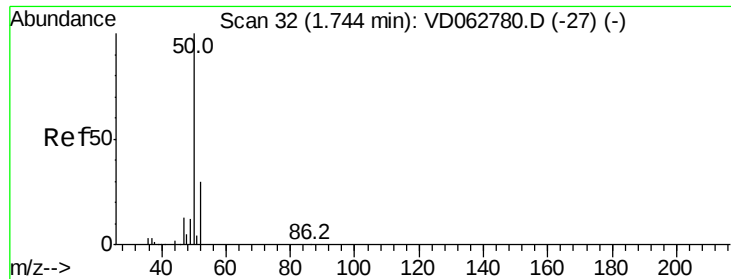
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#2
Dichlorodifluoromethane
Concen: 43.685 ug/l
RT: 1.57 min Scan# 14
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.0	15.9	47.6





#3

Chloromethane

Concen: 43.859 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 306173

Ion Ratio Lower Upper

50 100

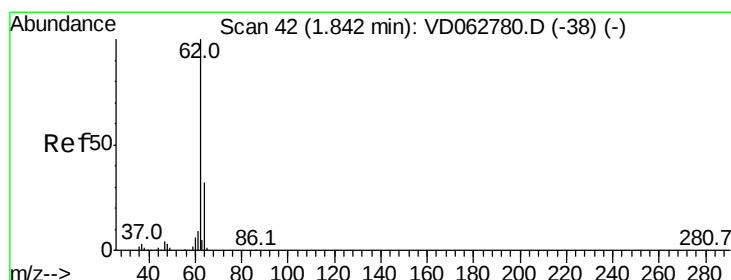
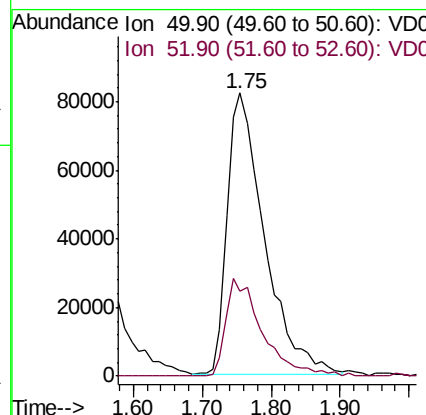
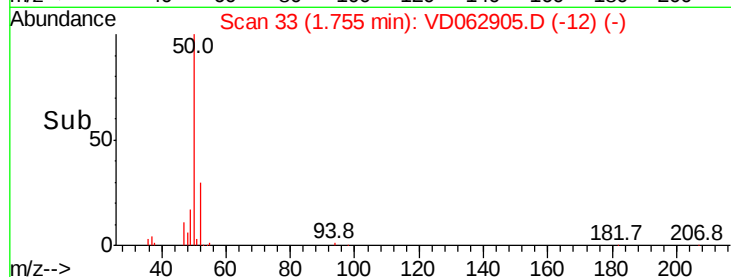
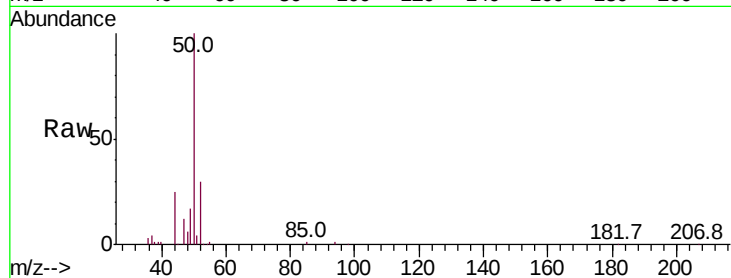
52 30.0 23.6 35.4

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#4

Vinyl Chloride

Concen: 45.959 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062905.D

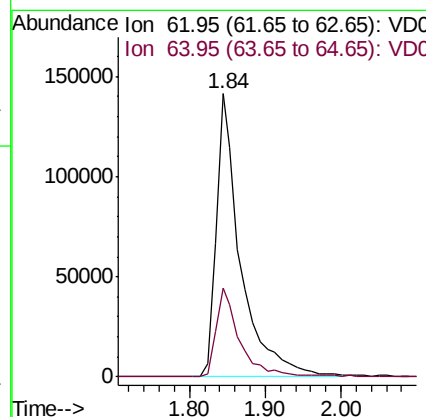
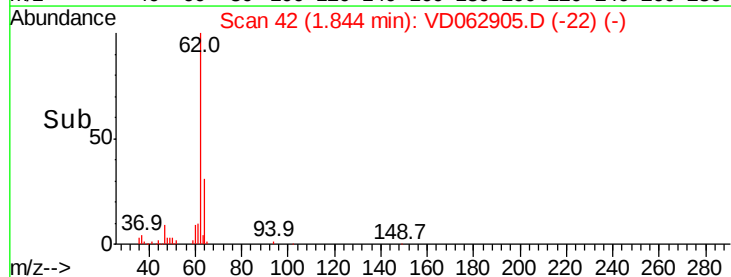
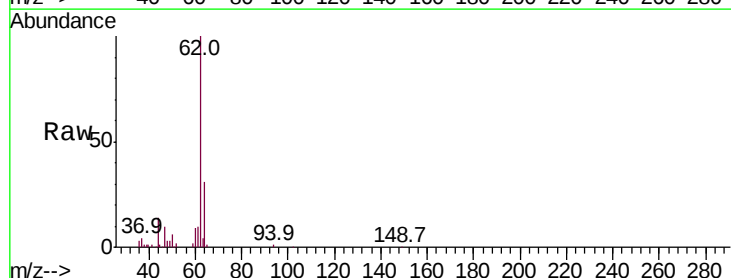
Acq: 26 Jun 2019 5:46

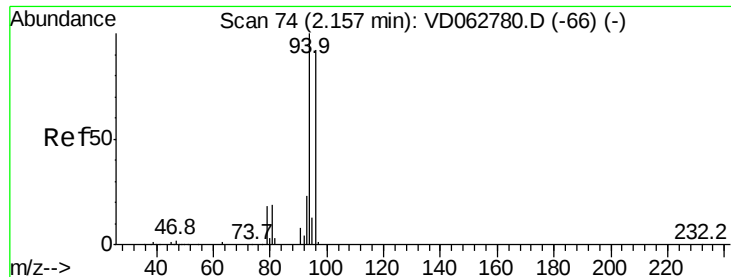
Tgt Ion: 62 Resp: 318100

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 51.267 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

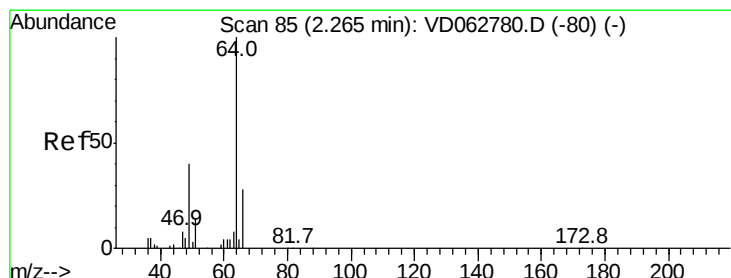
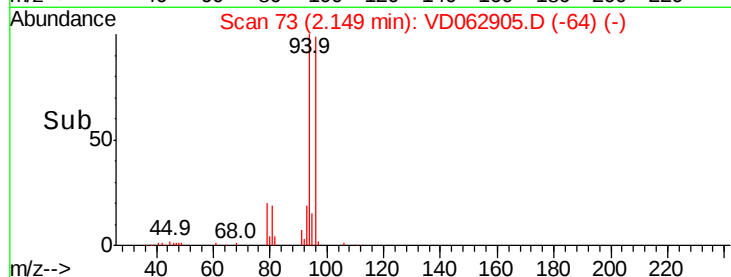
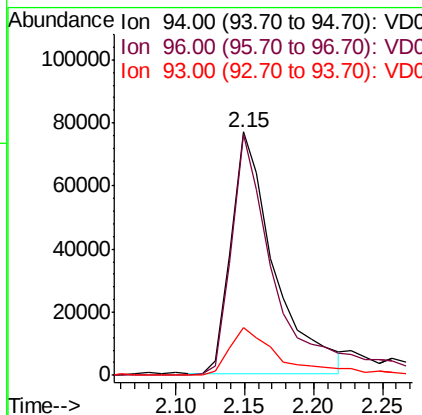
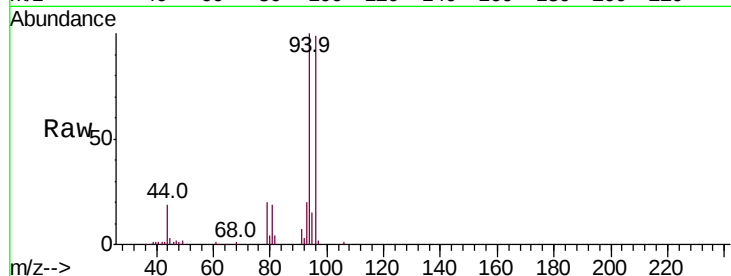
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	166178
Ion	Ratio	Lower	Upper
94	100		
96	99.2	73.4	110.2
93	19.8	18.2	27.4

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#6

Chloroethane

Concen: 50.812 ug/l

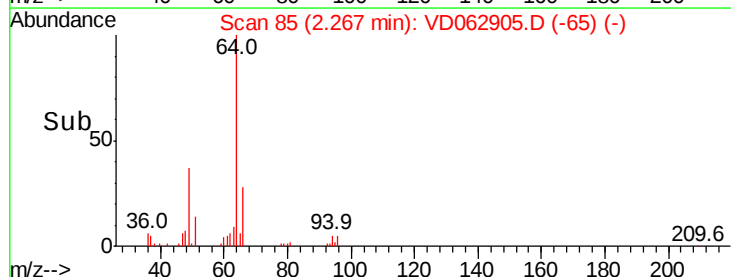
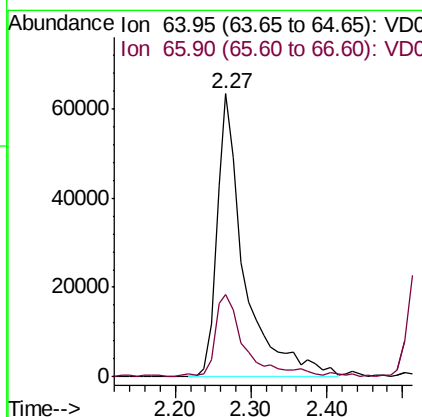
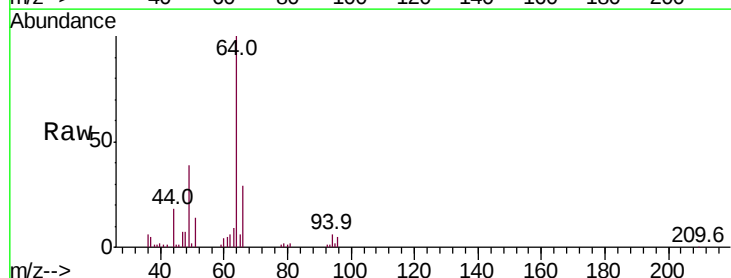
RT: 2.27 min Scan# 85

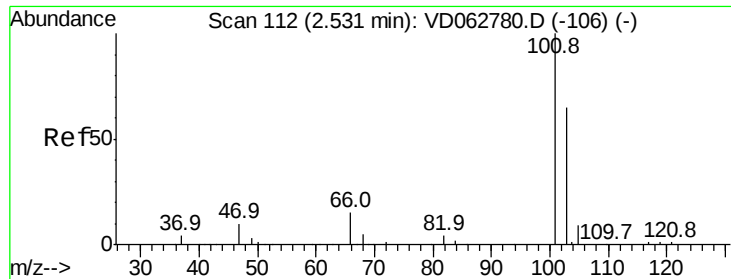
Delta R.T. 0.00 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	64	Resp:	159223
Ion	Ratio	Lower	Upper
64	100		
66	29.2	23.0	34.4





#7

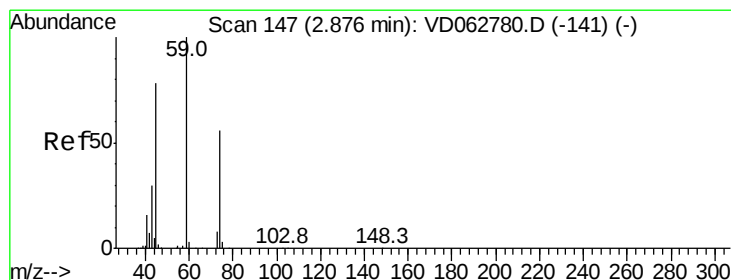
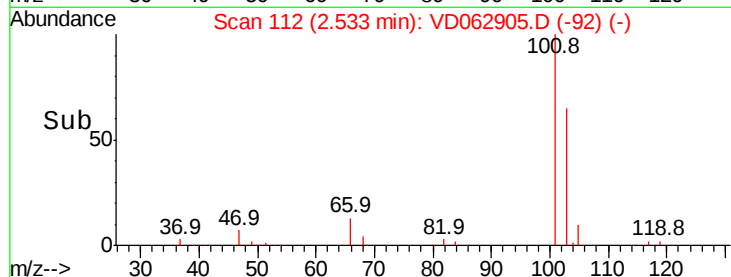
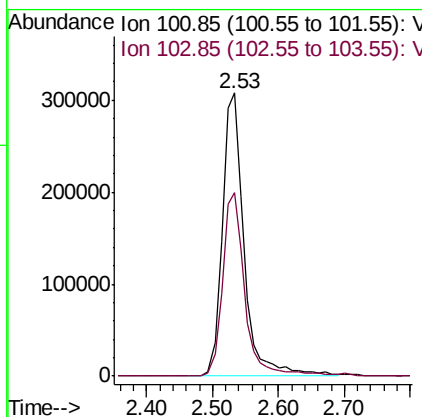
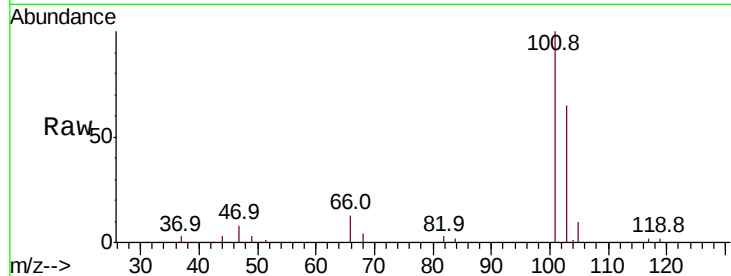
Trichlorofluoromethane
Concen: 50.773 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

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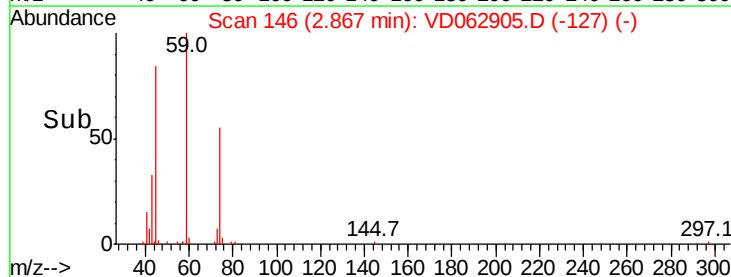
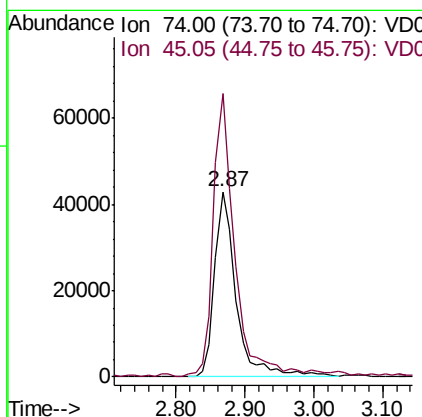
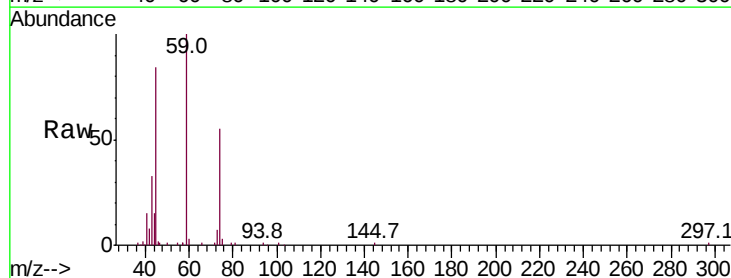
MMDadoda
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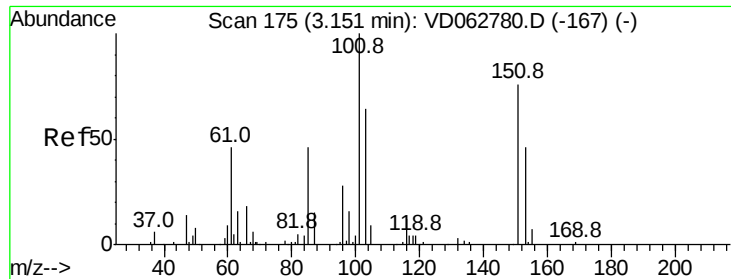


#8

Diethyl Ether
Concen: 52.891 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	153.0	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.991 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

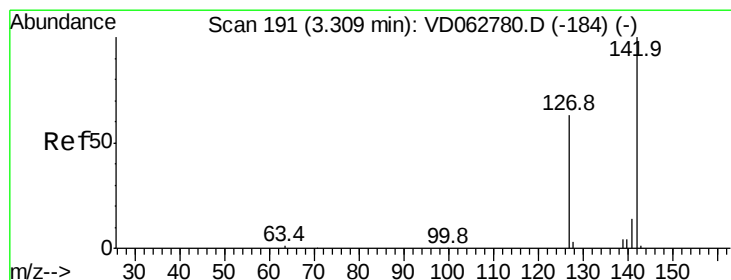
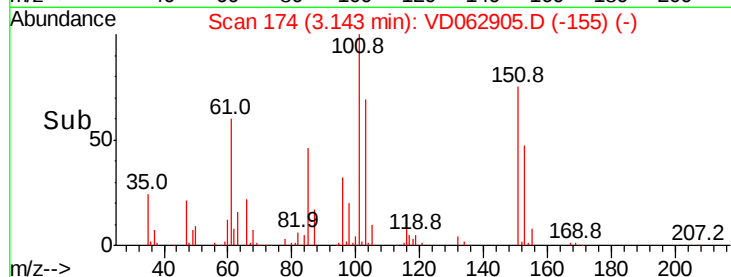
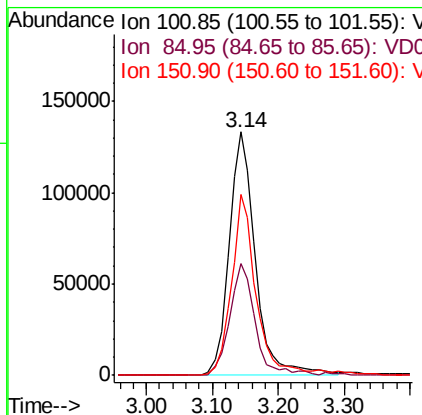
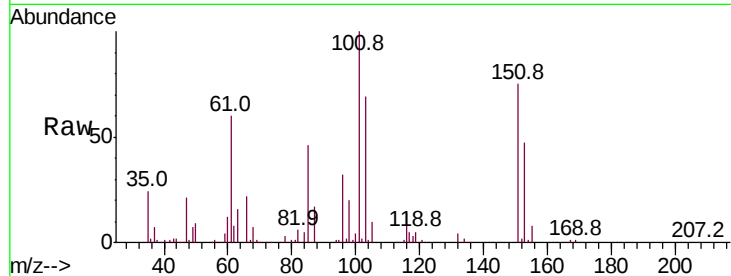
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	371772
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.0	55.4
151	74.5	60.5	90.7

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#10

Methyl Iodide

Concen: 50.328 ug/l

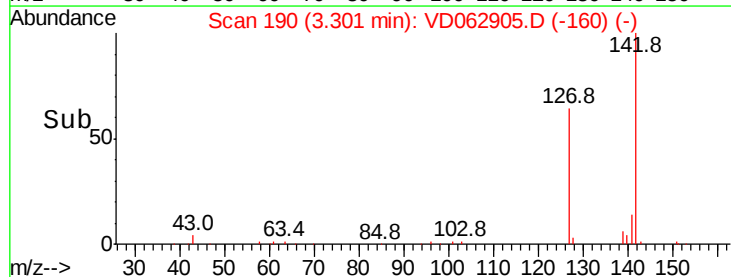
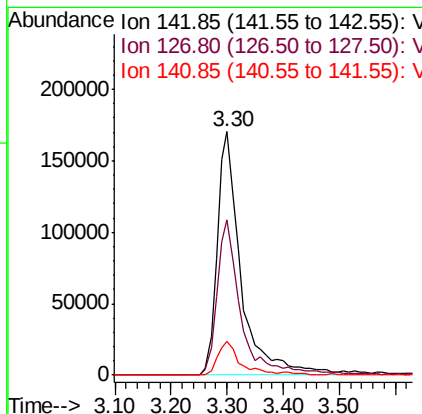
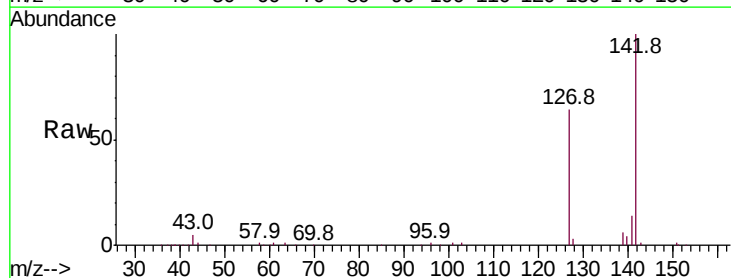
RT: 3.30 min Scan# 190

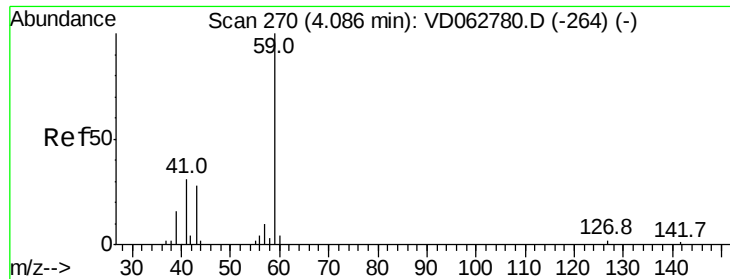
Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	142	Resp:	503868
Ion Ratio	Lower	Upper	
142	100		
127	64.0	50.1	75.1
141	14.1	11.0	16.4





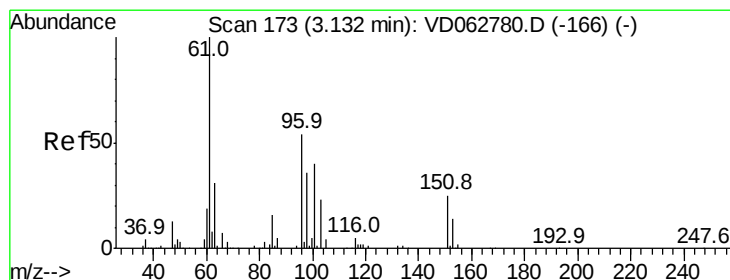
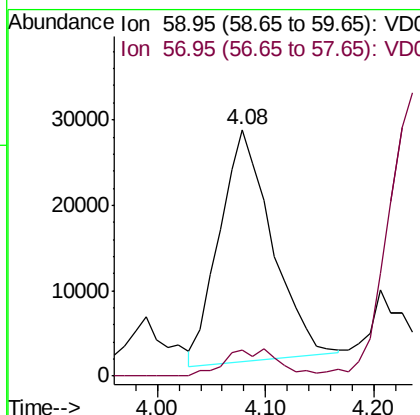
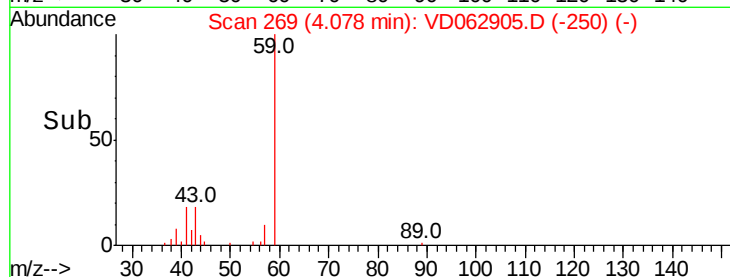
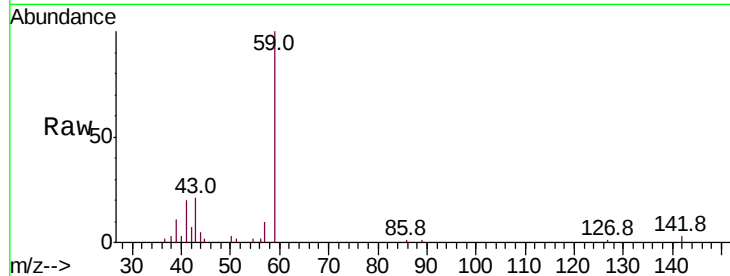
#11
Tert butyl alcohol
Concen: 257.459 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 91427
Ion Ratio Lower Upper
59 100
57 10.3 6.6 10.0#

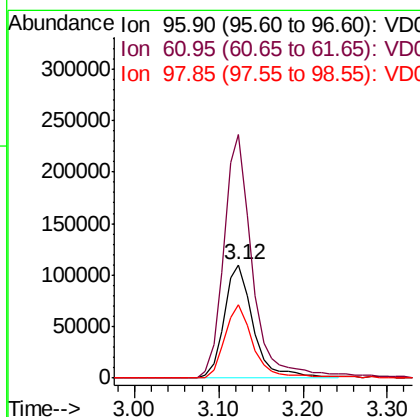
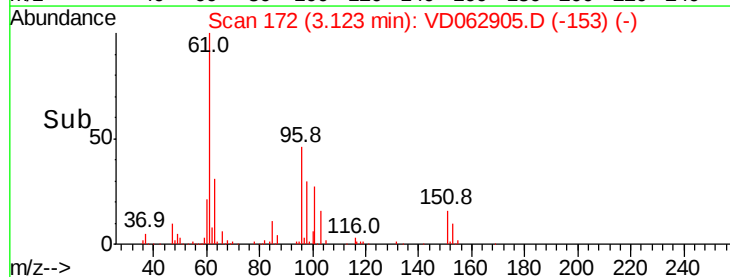
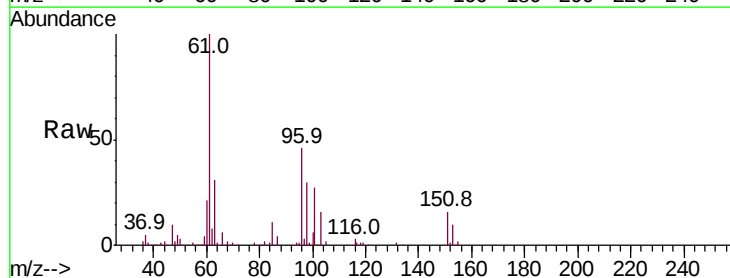
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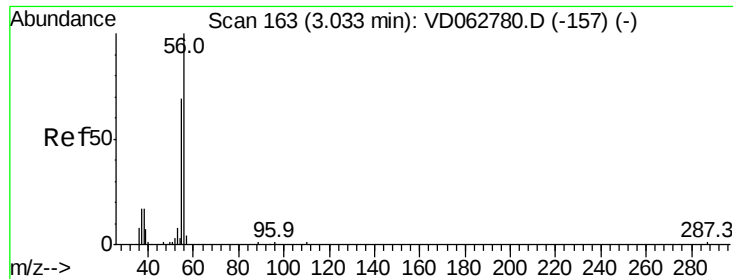
MMDadoda
6/27/2019 12:44:52 AM



#12
1,1-Dichloroethene
Concen: 46.554 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 96 Resp: 265022
Ion Ratio Lower Upper
96 100
61 215.2 147.1 220.7
98 64.5 52.6 79.0





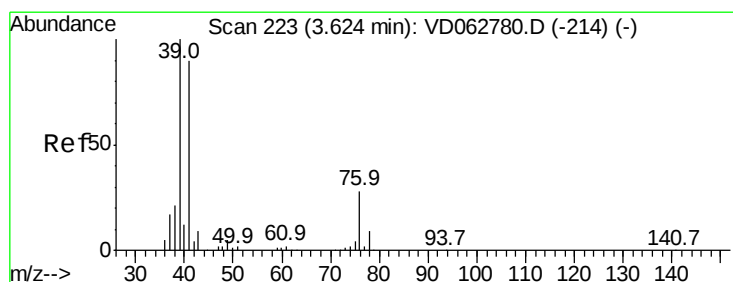
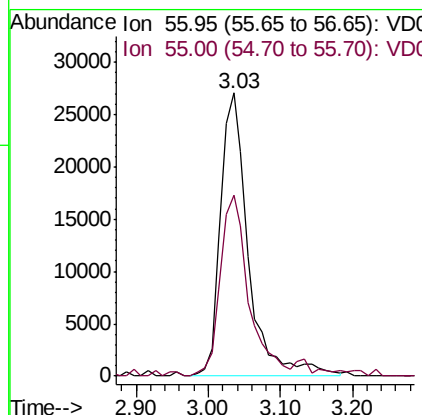
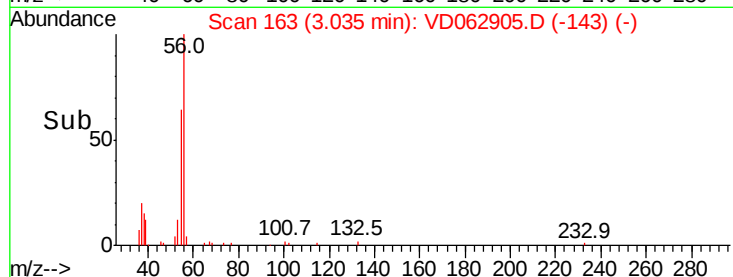
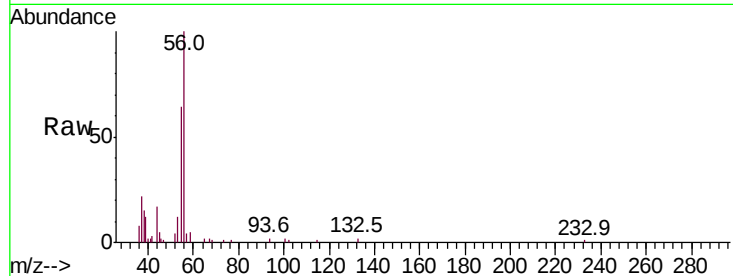
#13
Acrolein
Concen: 198.666 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 72022
Ion Ratio Lower Upper
56 100
55 64.1 55.4 83.0

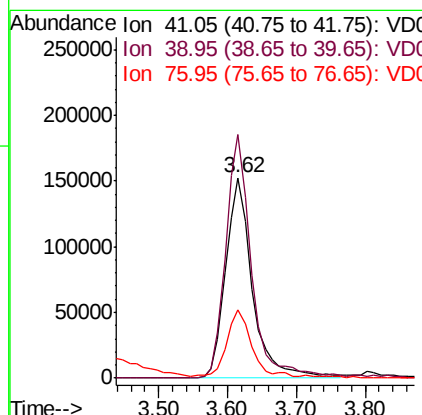
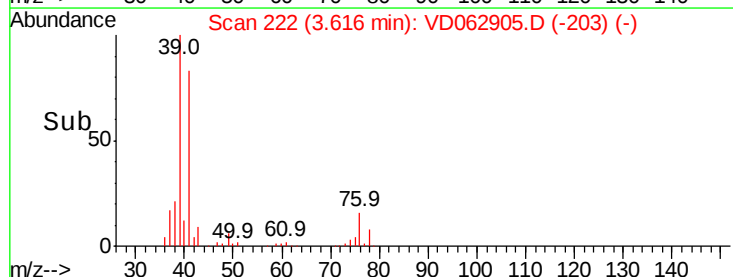
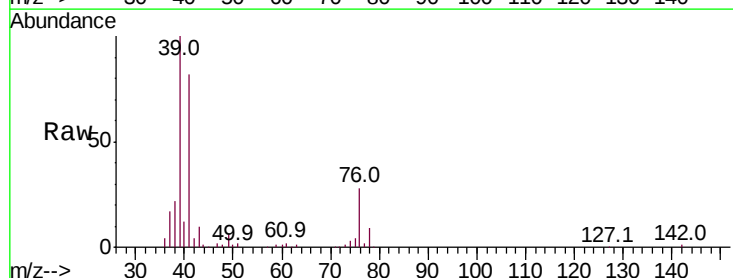
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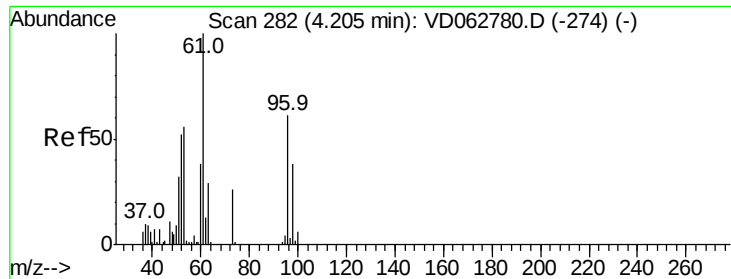
MMDadoda
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#14
Allyl chloride
Concen: 48.909 ug/l
RT: 3.62 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 41 Resp: 411404
Ion Ratio Lower Upper
41 100
39 121.4 88.8 133.2
76 34.2 26.7 40.1





#15

Acrylonitrile

Concen: 271.788 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

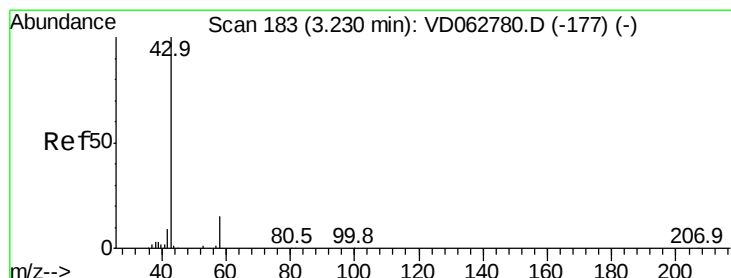
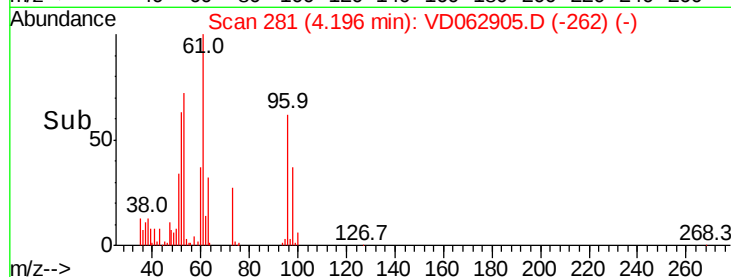
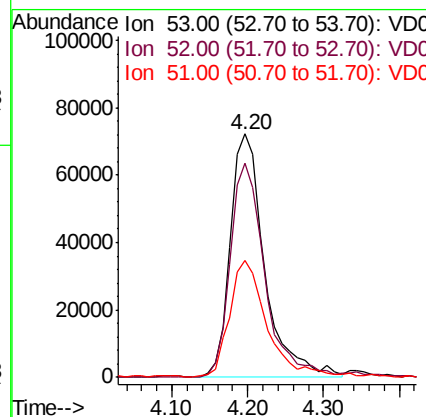
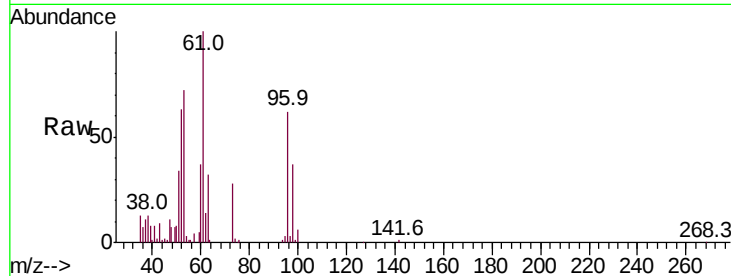
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	226785
Ion	Ratio	Lower	Upper
53	100		
52	87.7	73.3	109.9
51	47.8	44.8	67.2

Manual Integrations
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#16

Acetone

Concen: 253.950 ug/l

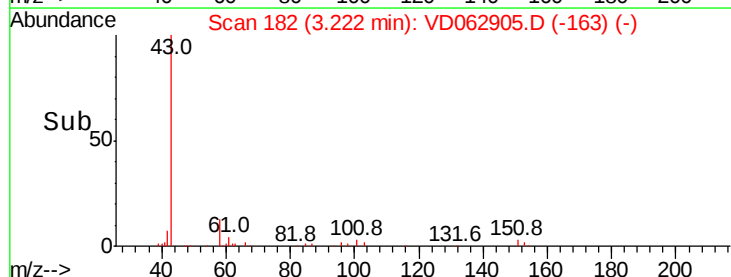
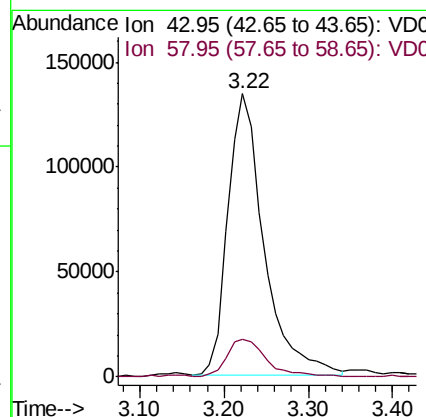
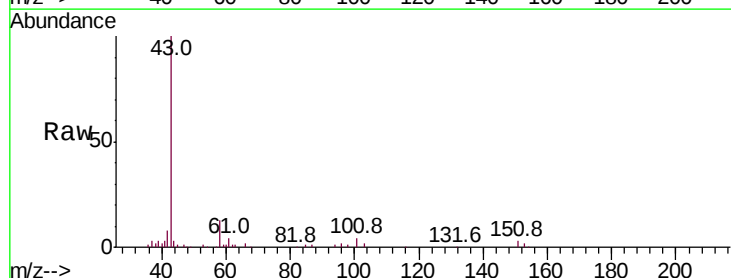
RT: 3.22 min Scan# 182

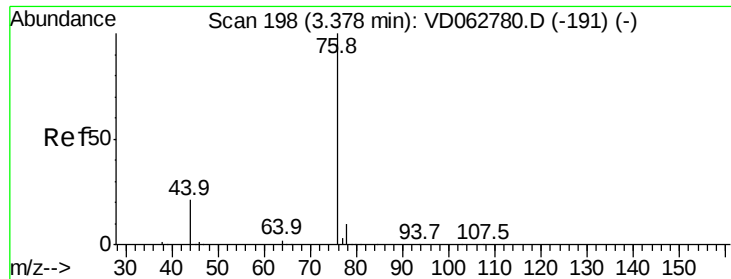
Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	43	Resp:	401362
Ion	Ratio	Lower	Upper
43	100		
58	13.1	11.9	17.9





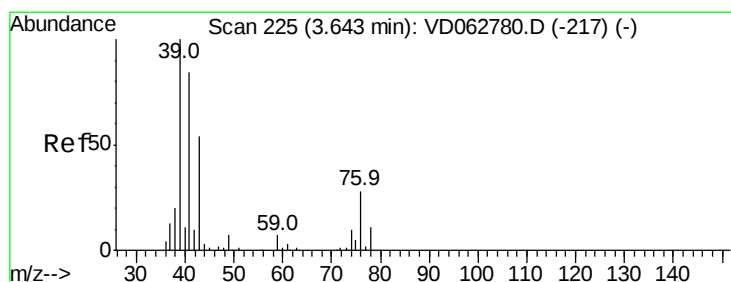
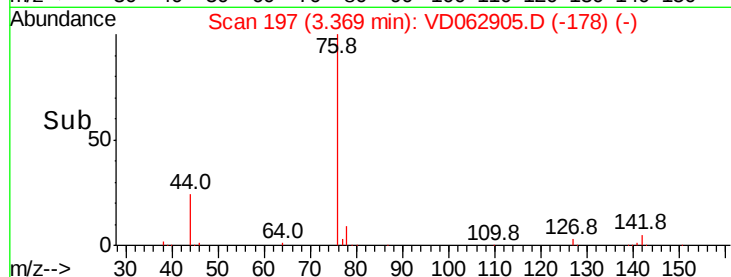
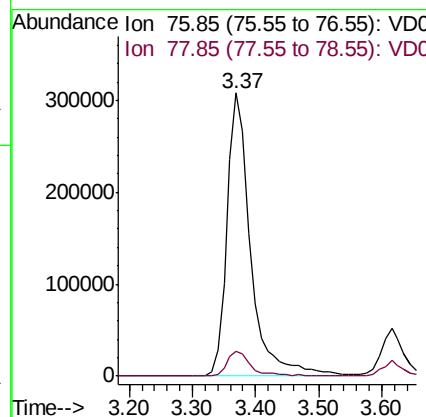
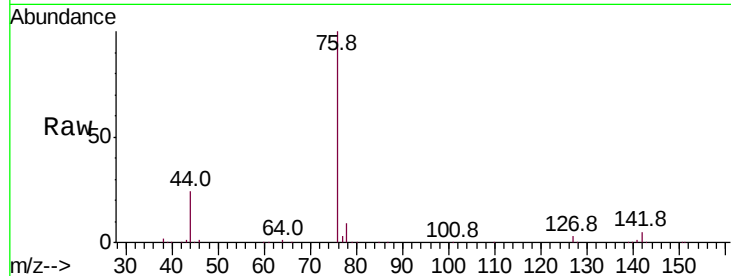
#17
Carbon Disulfide
Concen: 43.987 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 76 Resp: 800303
Ion Ratio Lower Upper
76 100
78 8.8 8.0 12.0

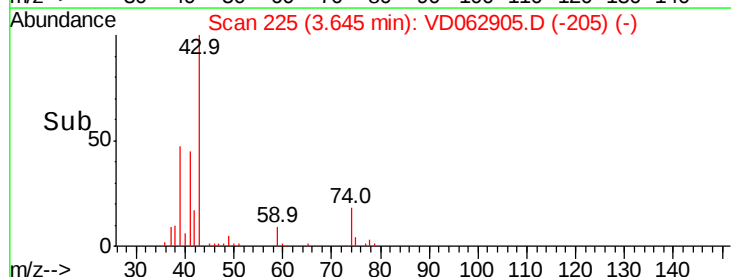
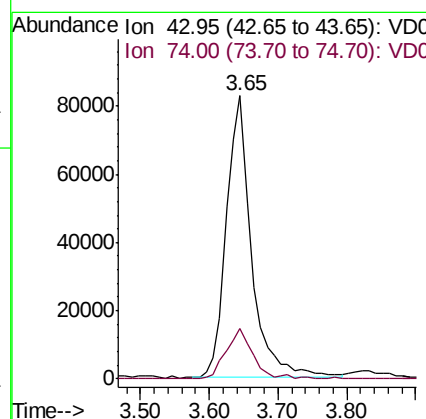
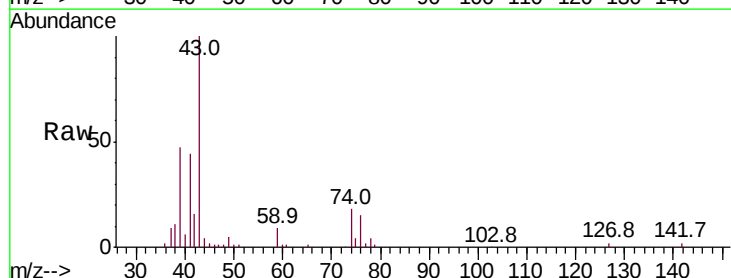
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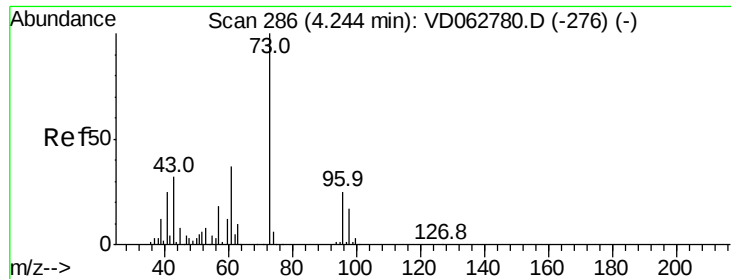
MMDadoda
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#18
Methyl Acetate
Concen: 88.491 ug/l
RT: 3.65 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 43 Resp: 208283
Ion Ratio Lower Upper
43 100
74 18.0 15.2 22.8





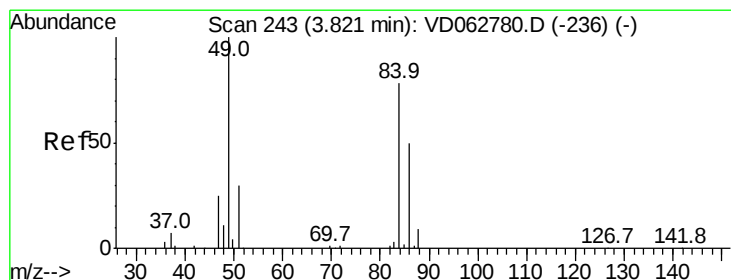
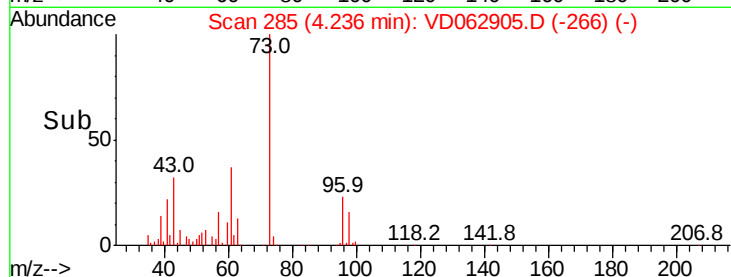
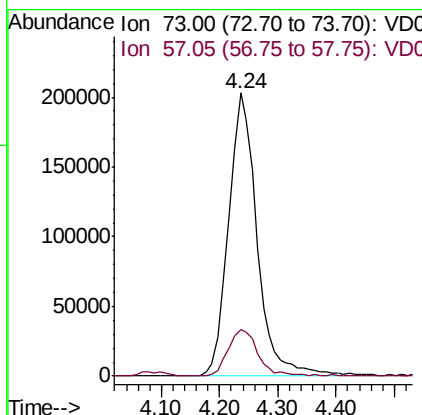
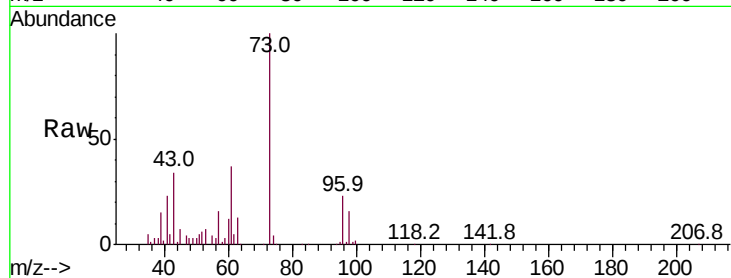
#19
Methvl tert-butvl Ether
Concen: 56.035 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 690572
Ion Ratio Lower Upper
73 100
57 16.3 14.3 21.5

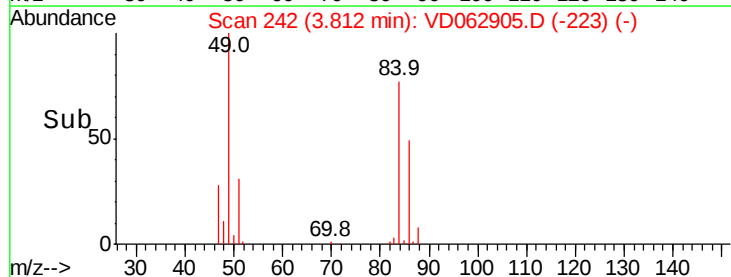
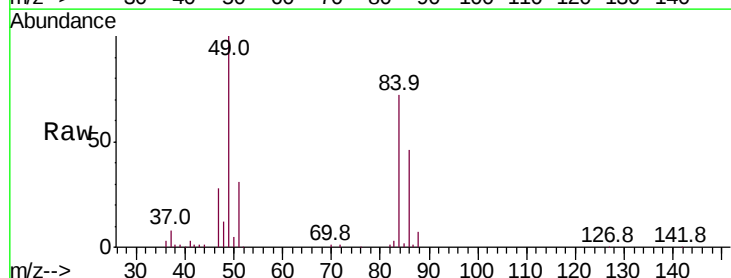
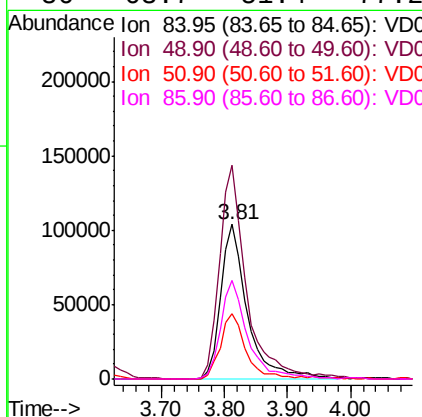
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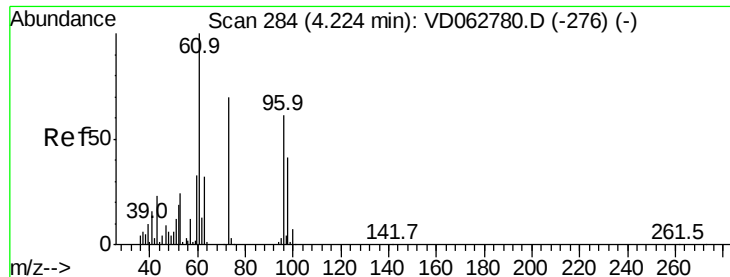
MMDadoda
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#20
Methylene Chloride
Concen: 51.388 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 84 Resp: 305572
Ion Ratio Lower Upper
84 100
49 138.3 102.9 154.3
51 42.4 31.2 46.8
86 63.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.550 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 300352

Ion Ratio Lower Upper

96 100

61 148.4 131.0 196.4

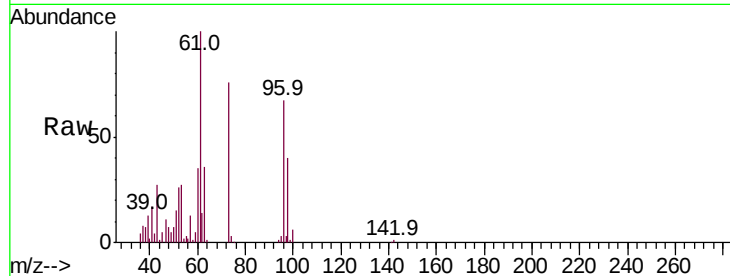
98 59.8 53.2 79.8

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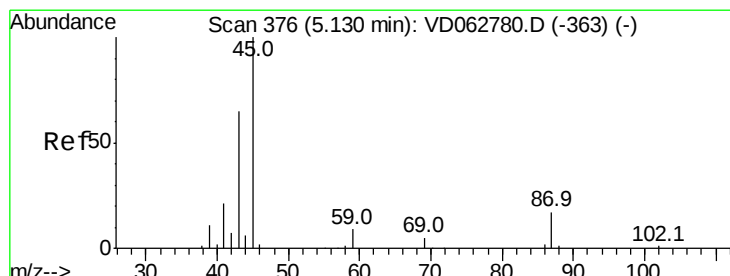
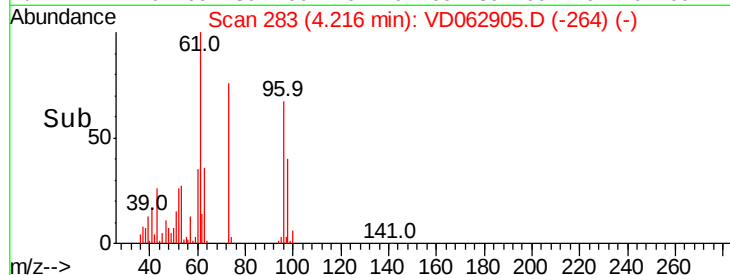
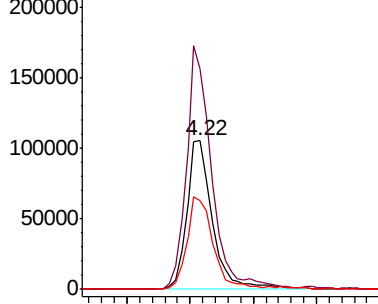
6/27/2019 12:44:52 AM



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: 55.982 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion: 45 Resp: 957664

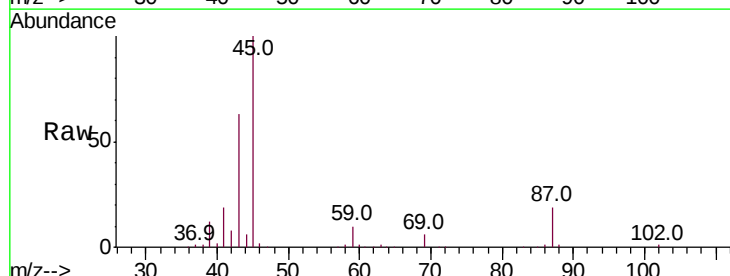
Ion Ratio Lower Upper

45 100

43 62.8 53.4 80.0

87 19.2 14.6 22.0

59 9.8 7.8 11.8

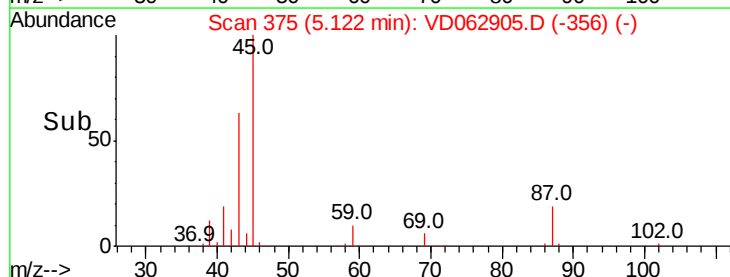
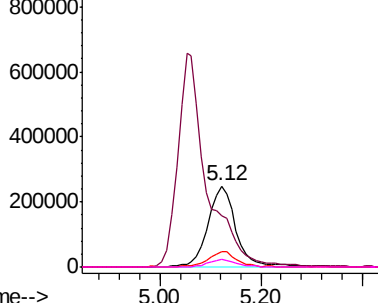


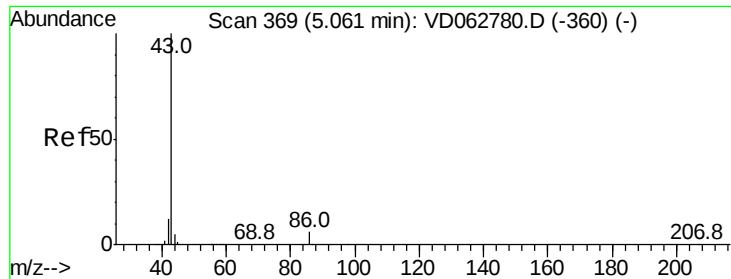
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 244.583 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2618086

Ion Ratio Lower Upper

43 100

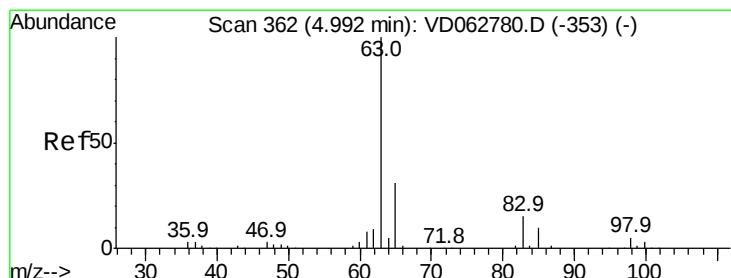
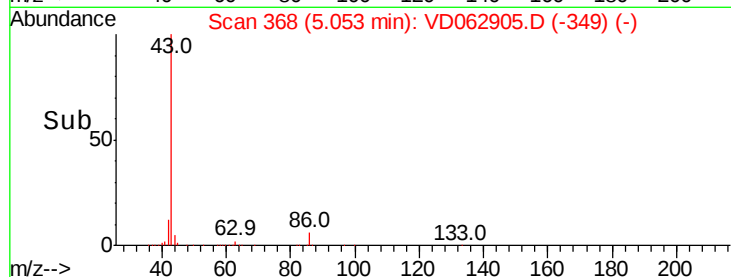
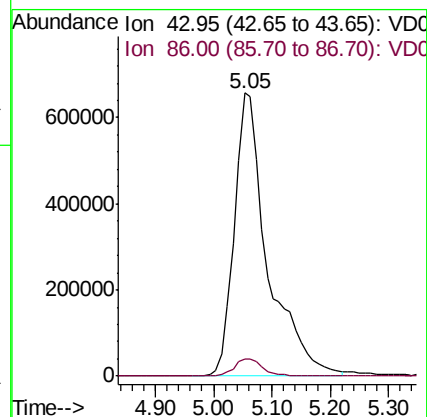
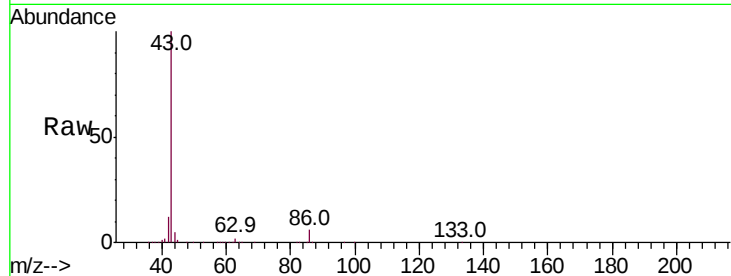
86 5.9 4.7 7.1

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#24

1,1-Dichloroethane

Concen: 50.904 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

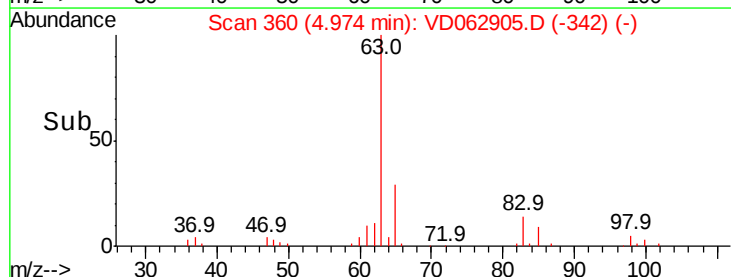
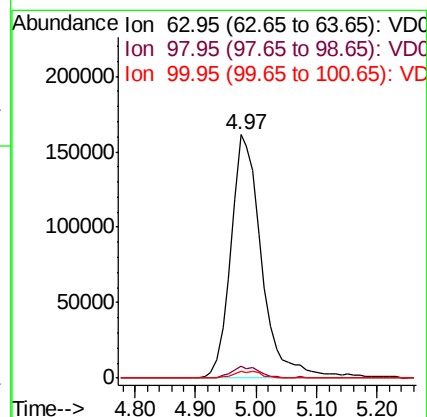
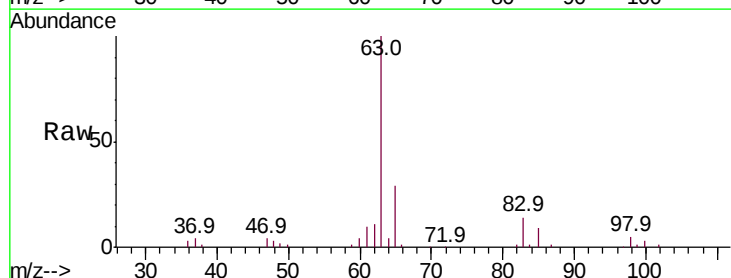
Tgt Ion: 63 Resp: 566955

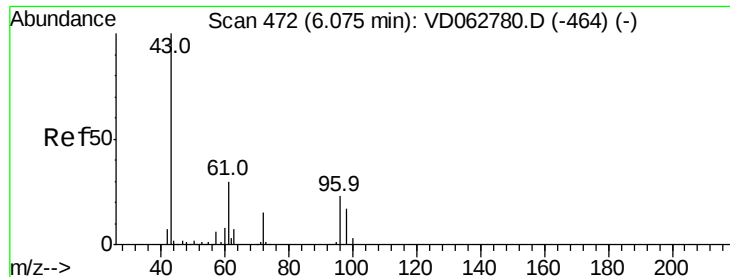
Ion Ratio Lower Upper

63 100

98 4.8 2.3 6.9

100 2.7 1.7 5.1





#25

2-Butanone

Concen: 286.415 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 417674

Ion Ratio Lower Upper

43 100

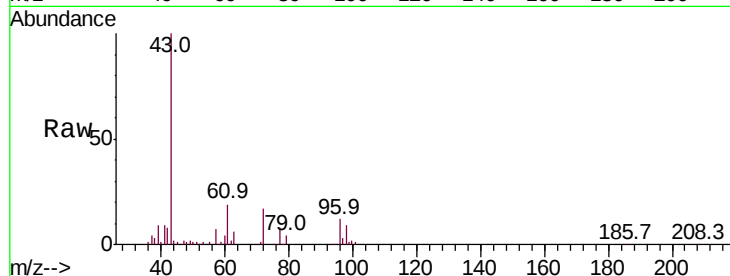
72 17.1 11.9 17.9

Manual Integrations

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MMDadoda

6/27/2019 12:44:52 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

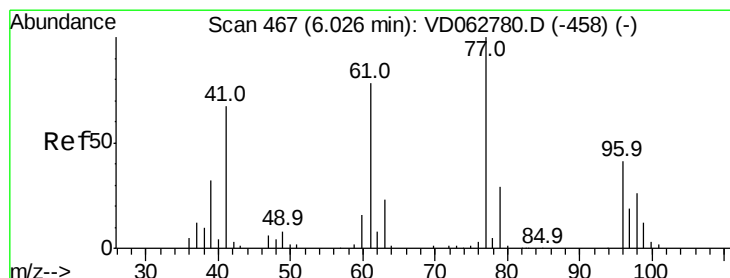
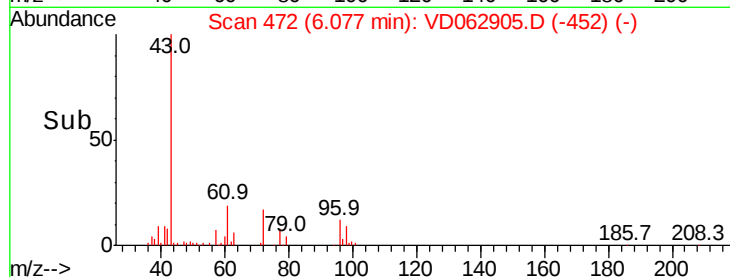
100000

50000

0

6.08

Time-->



#26

2,2-Dichloropropane

Concen: 44.284 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062905.D

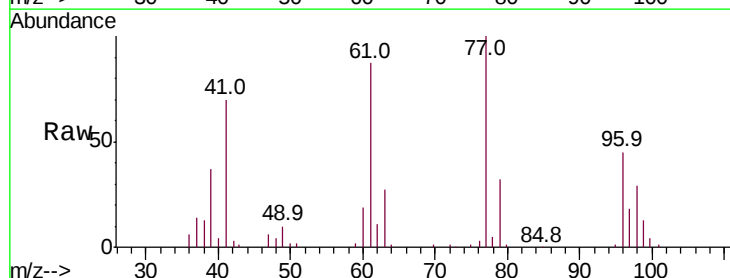
Acq: 26 Jun 2019 5:46

Tgt Ion: 77 Resp: 522785

Ion Ratio Lower Upper

77 100

97 18.3 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

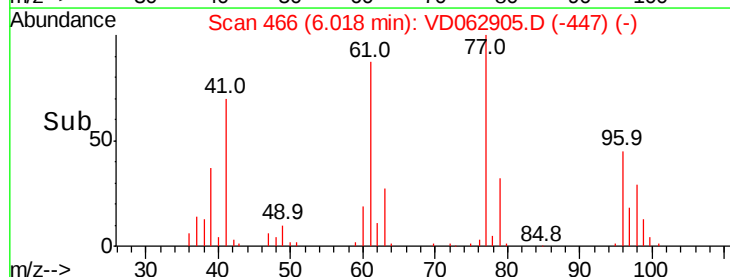
100000

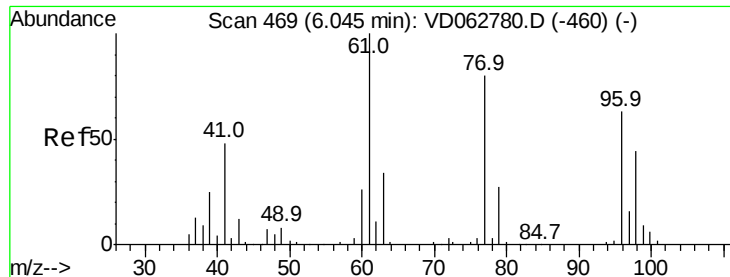
50000

0

6.02

Time-->





#27

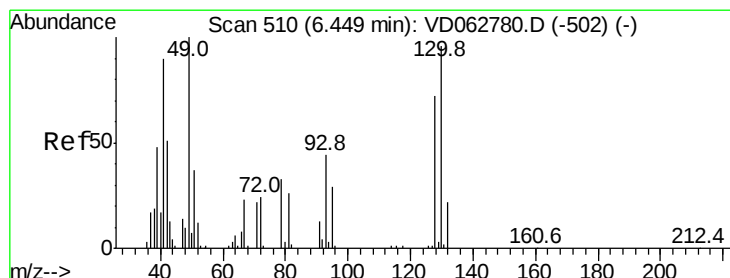
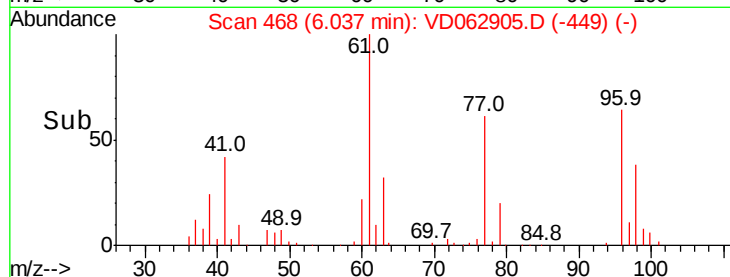
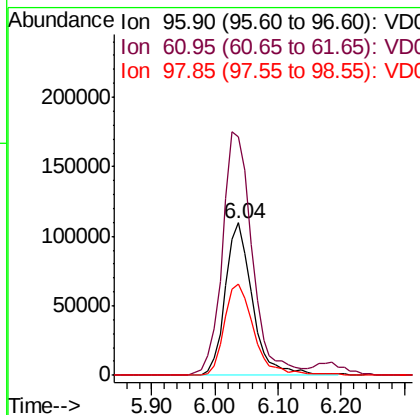
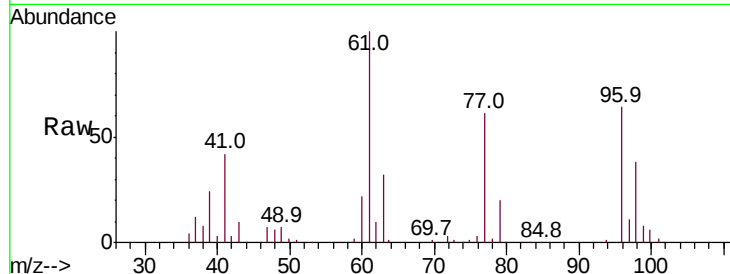
cis-1,2-Dichloroethene
Concen: 51.122 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	327691		
61	156.4	0.0	316.0	
98	59.6	0.0	138.4	

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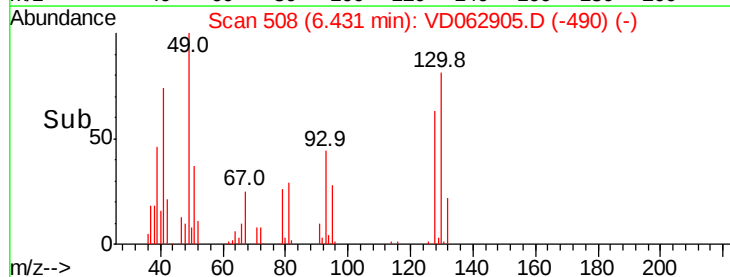
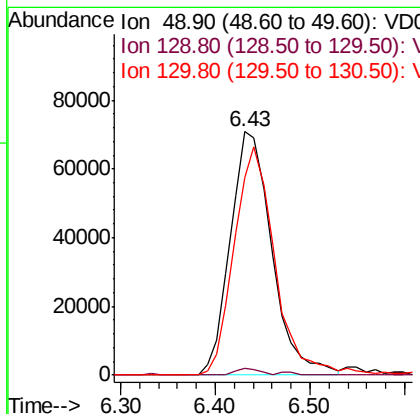
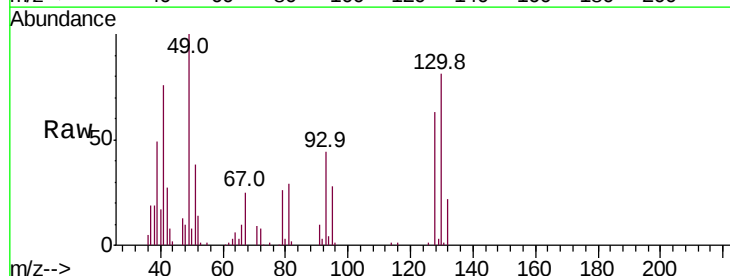
MMDadoda
6/27/2019 12:44:52 AM

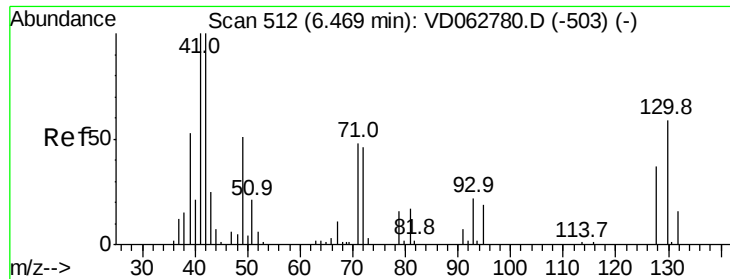


#28

Bromochloromethane
Concen: 55.077 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216051		
129	2.8	0.0	5.6	
130	81.3	76.6	114.8	





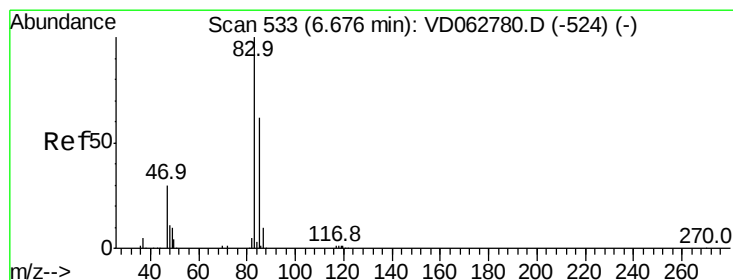
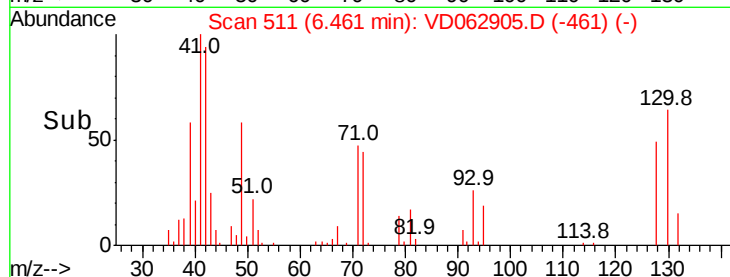
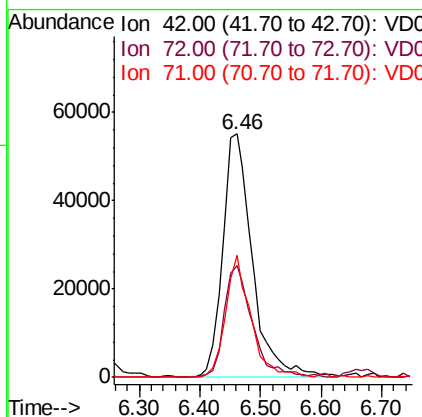
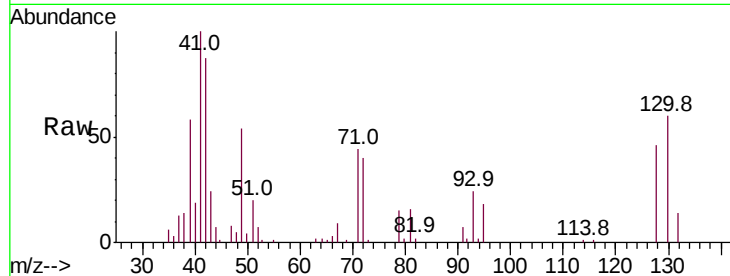
#29
Tetrahydrofuran
Concen: 271.376 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.6
71	42.6	33.3	49.9

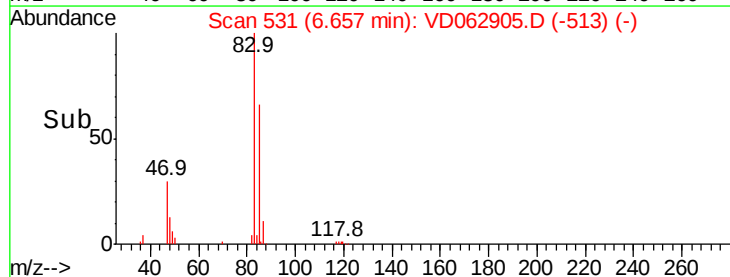
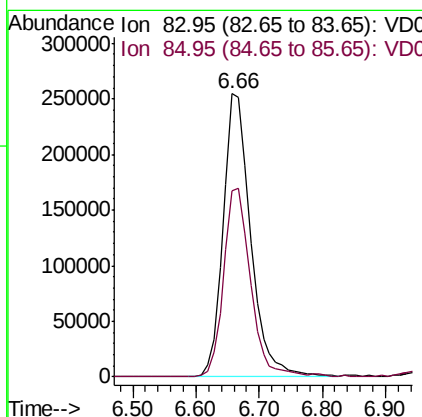
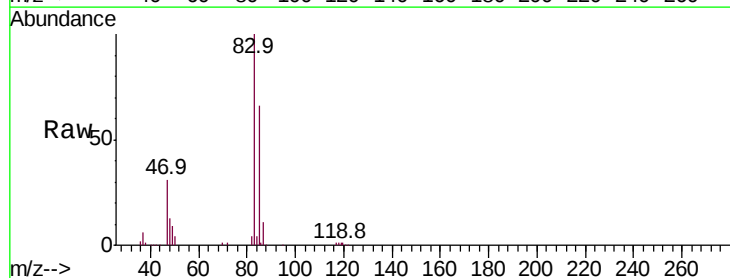
Manual Integrations
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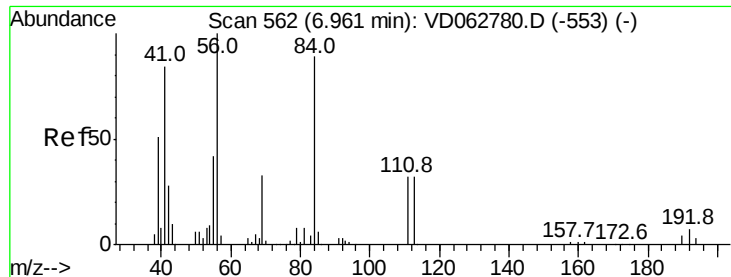
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6/27/2019 12:44:52 AM



#30
Chloroform
Concen: 57.019 ug/l
RT: 6.66 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.8	74.6





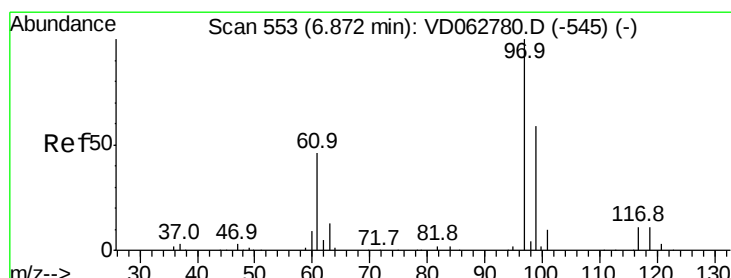
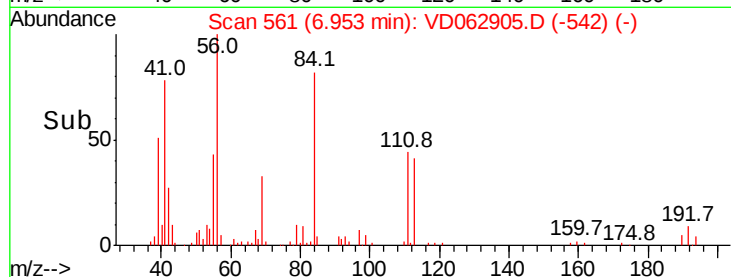
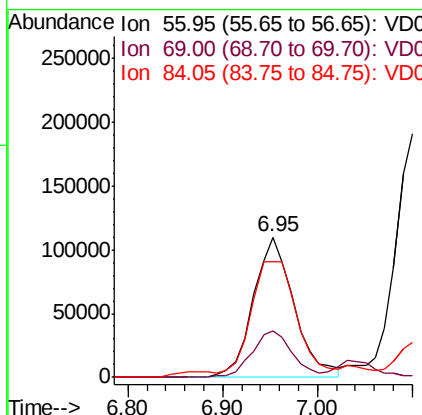
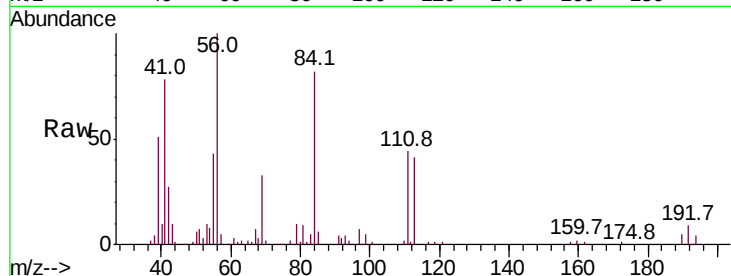
#31
Cvclohexane
Concen: 45.162 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 330669
Ion Ratio Lower Upper
56 100
69 32.7 26.6 39.8
84 82.0 75.5 113.3

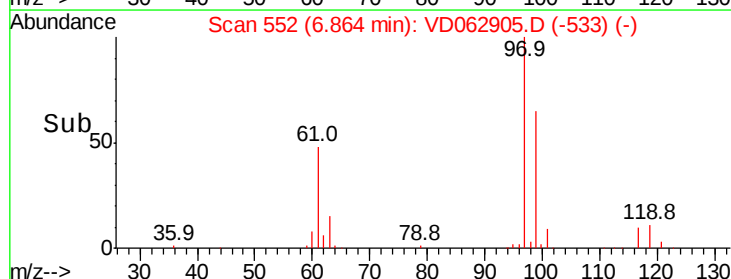
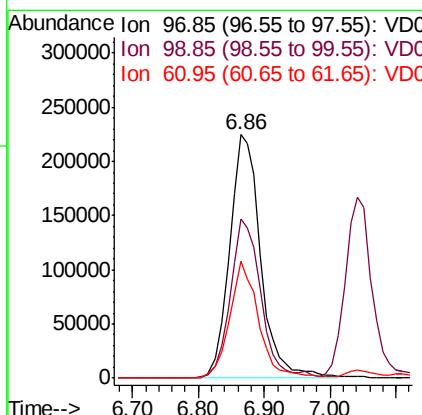
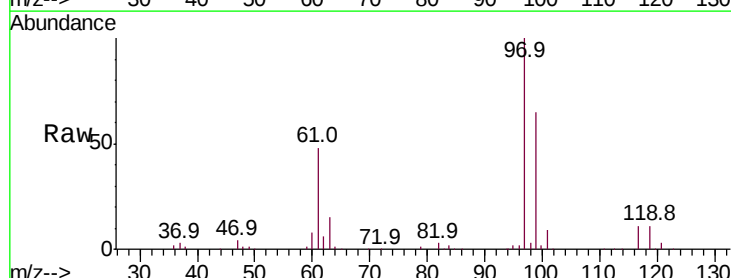
Manual Integrations
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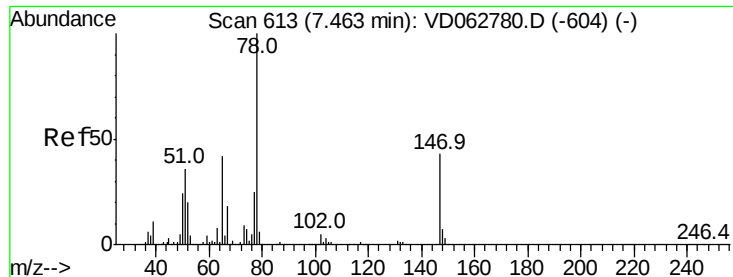
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6/27/2019 12:44:52 AM



#32
1,1,1-Trichloroethane
Concen: 52.476 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 97 Resp: 740343
Ion Ratio Lower Upper
97 100
99 65.3 47.4 71.2
61 48.2 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 53.459 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 416822

Ion Ratio Lower Upper

65 100

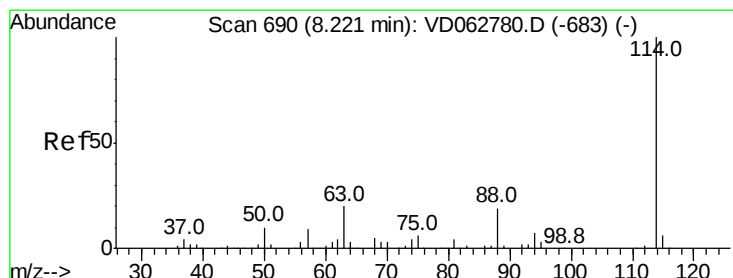
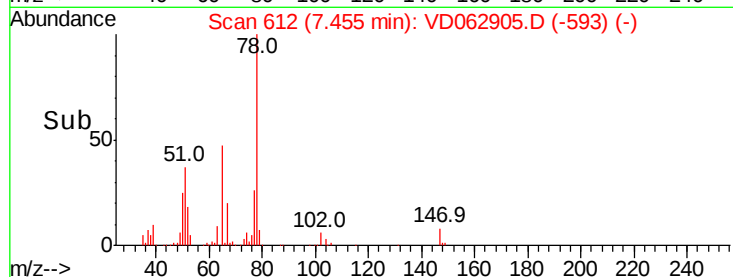
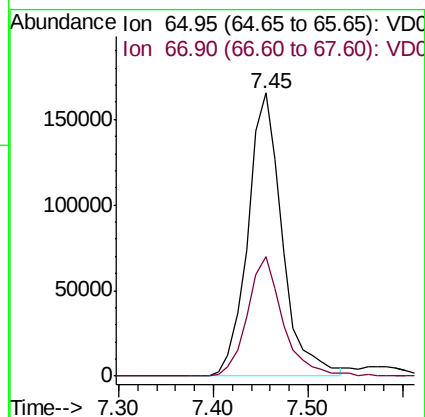
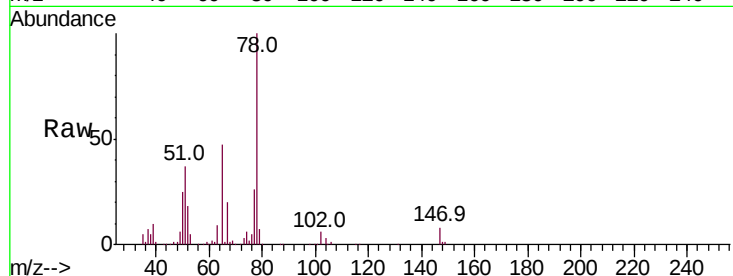
67 42.4 0.0 87.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

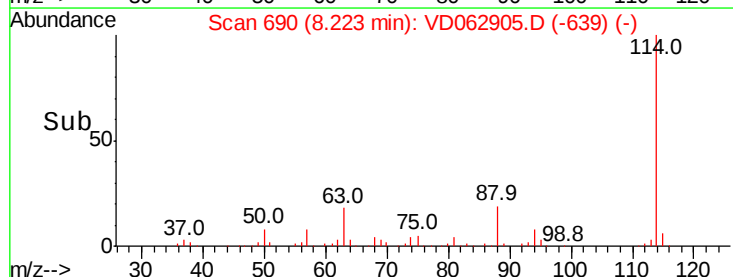
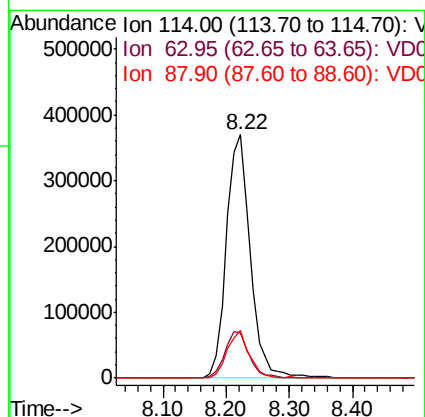
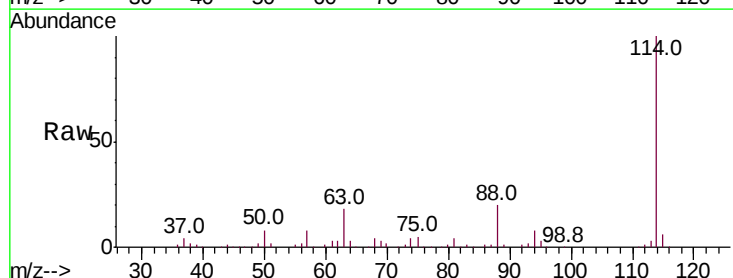
Tgt Ion: 114 Resp: 969809

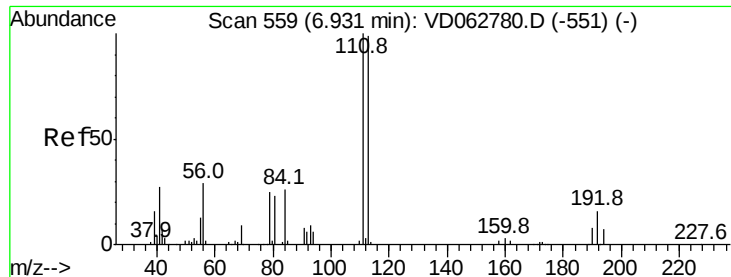
Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

88 19.6 0.0 38.8





#35

Dibromofluoromethane

Concen: 53.298 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

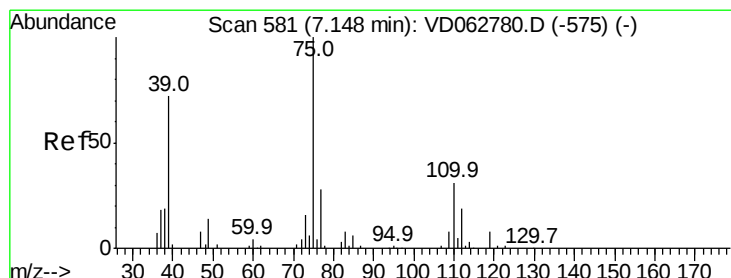
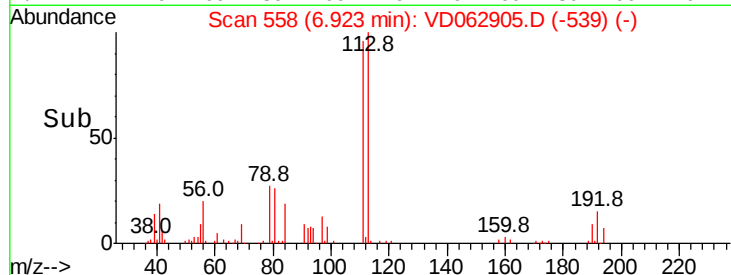
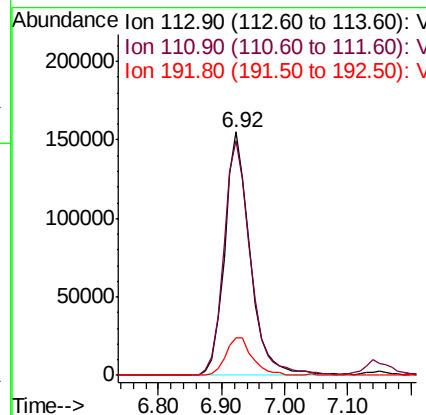
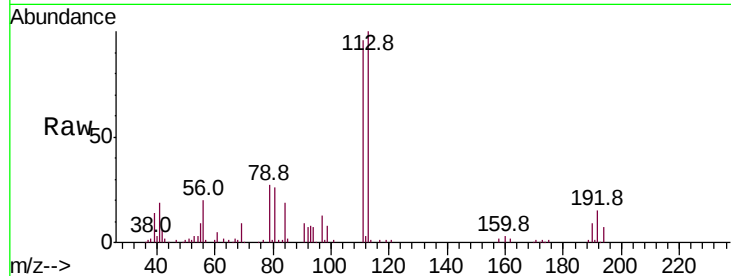
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	435838
Ion Ratio	Lower	Upper	
113	100		
111	96.2	81.2	121.8
192	15.2	12.9	19.3

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#36

1,1-Dichloropropene

Concen: 47.533 ug/l

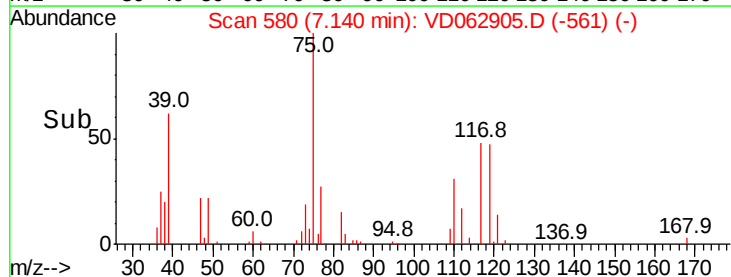
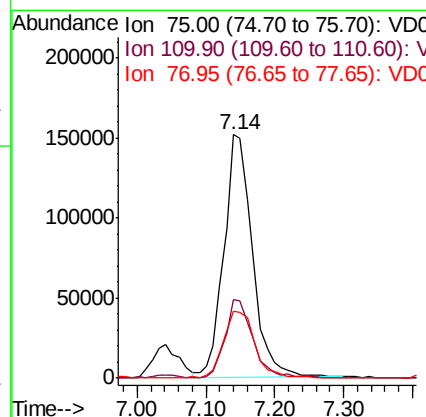
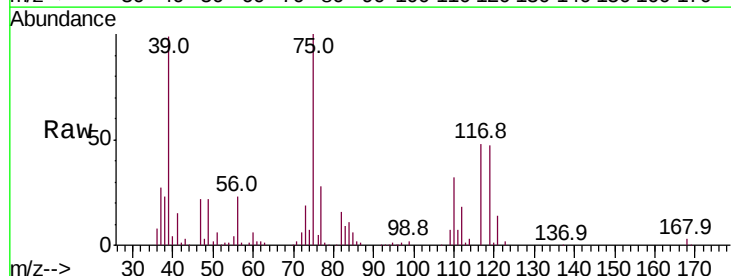
RT: 7.14 min Scan# 580

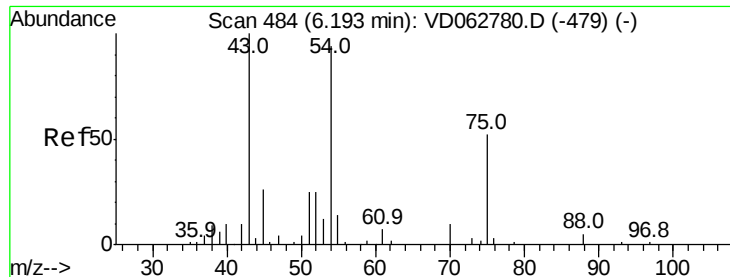
Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	75	Resp:	436386
Ion Ratio	Lower	Upper	
75	100		
110	32.4	15.0	45.1
77	27.6	22.2	33.2





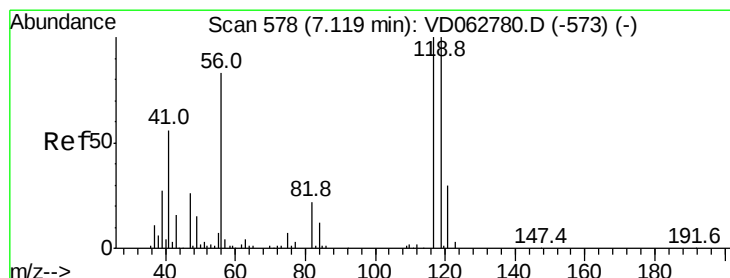
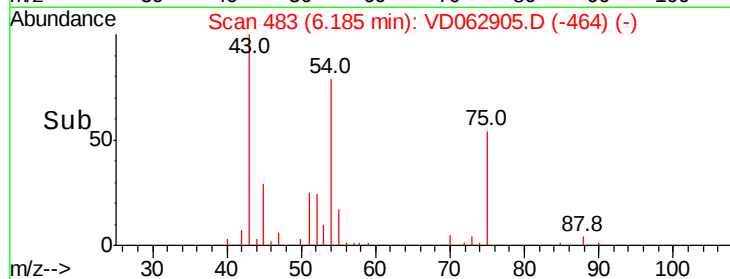
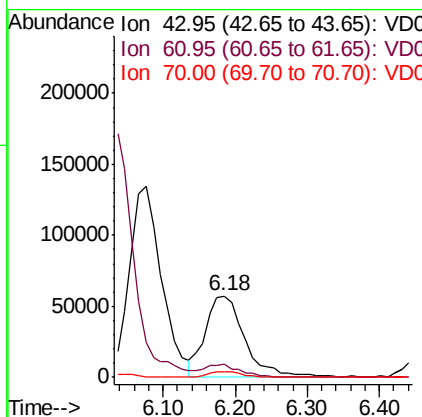
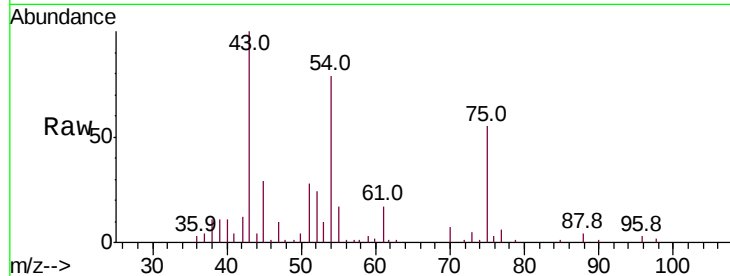
#37
Ethyl Acetate
Concen: 55.104 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.6	17.4
70	6.9	6.4	9.6

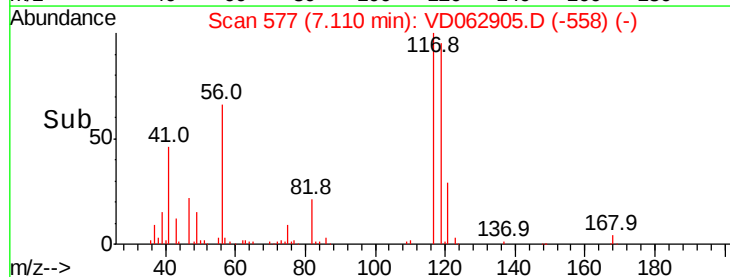
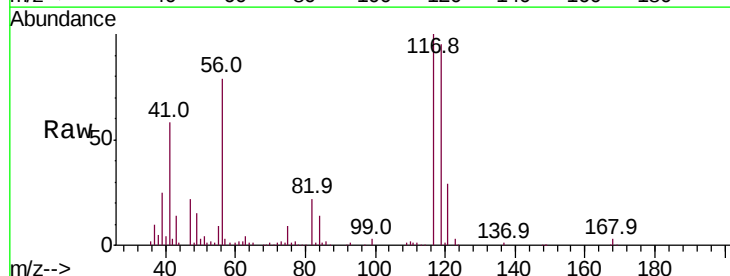
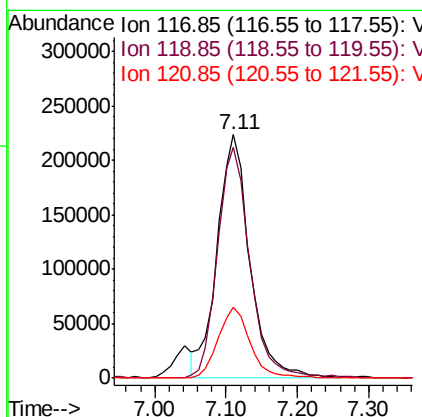
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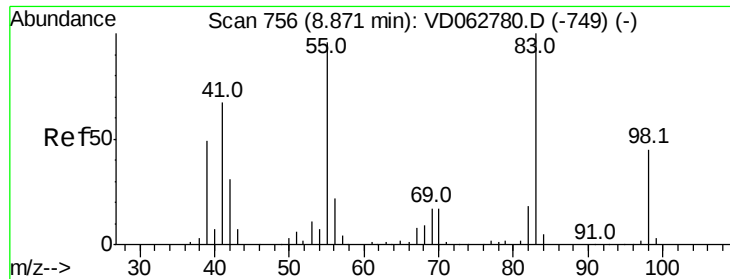
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6/27/2019 12:44:52 AM



#38
Carbon Tetrachloride
Concen: 51.529 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.4	113.2
121	29.3	22.3	33.5





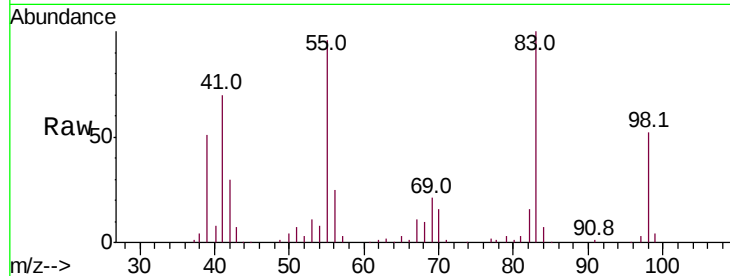
#39
Methvlcvclohexane
Concen: 45.175 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

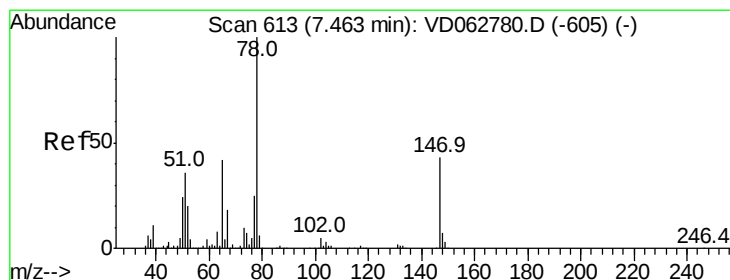
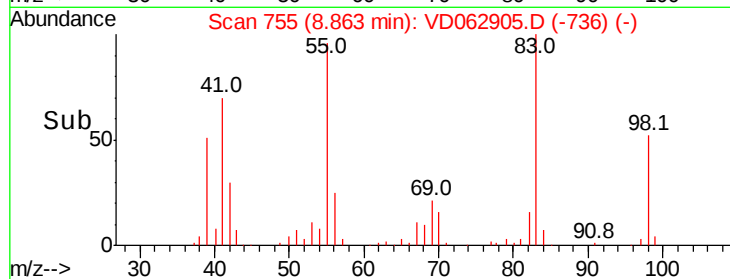
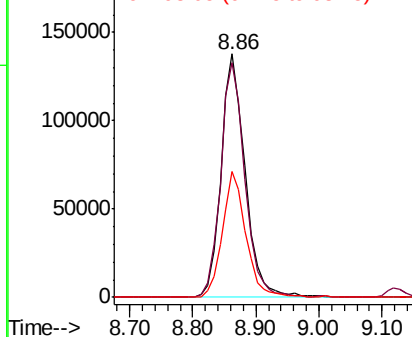
Tot Ion: 83 Resp: 365062
Ion Ratio Lower Upper
83 100
55 96.1 76.6 115.0
98 51.7 35.7 53.5

Manual Integrations
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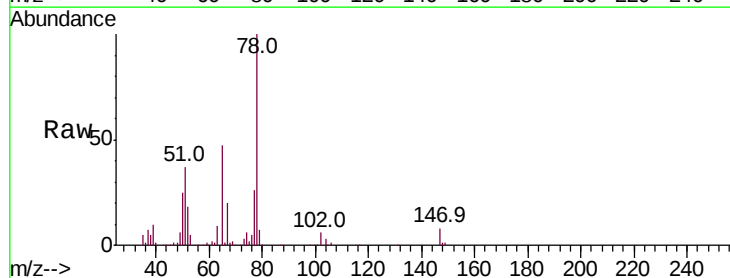


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

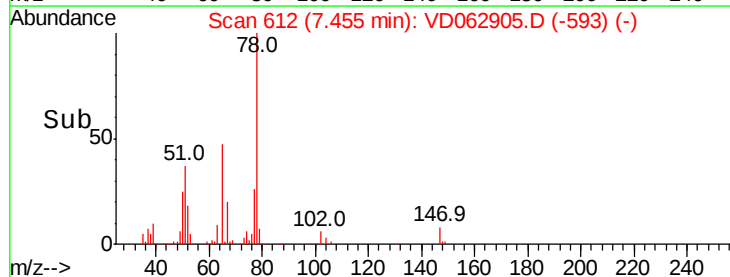
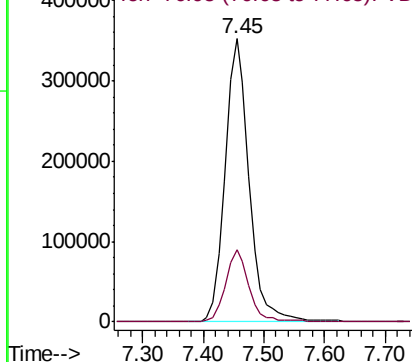


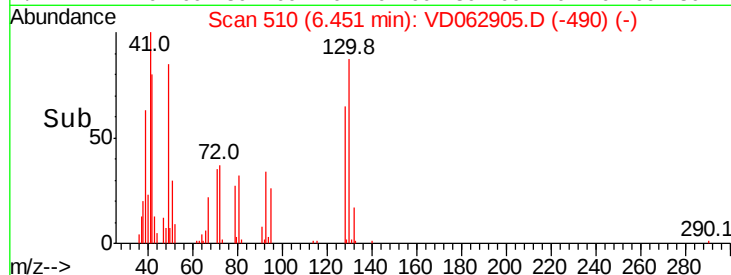
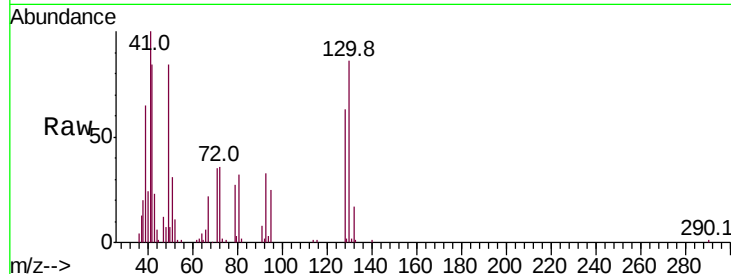
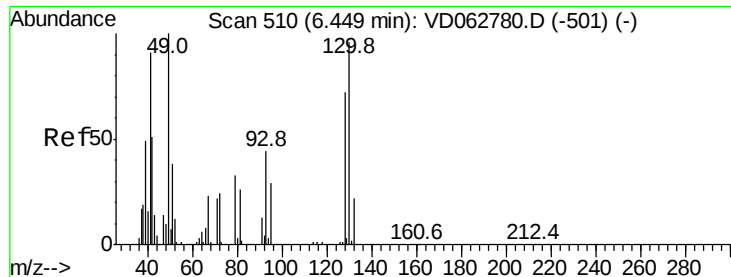
#40
Benzene
Concen: 52.604 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 78 Resp: 969395
Ion Ratio Lower Upper
78 100
77 25.7 20.2 30.2



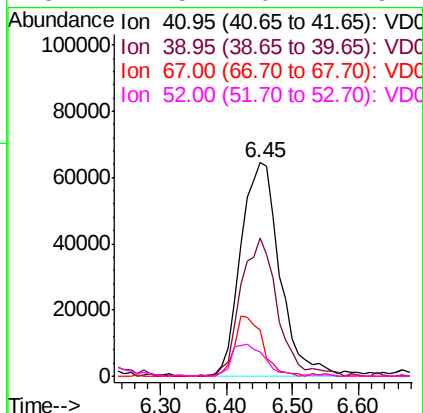
Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41
Methacrylonitrile
Concen: 55.270 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

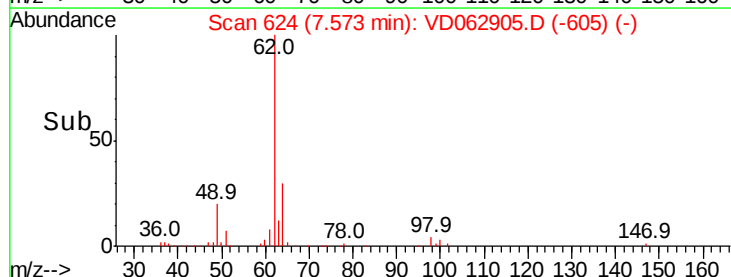
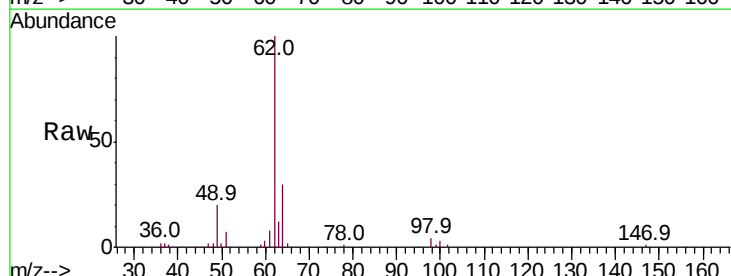
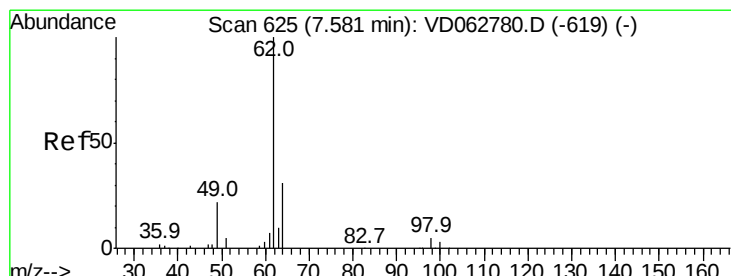
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.7	43.2	64.8
67	21.7	19.9	29.9
52	11.5	10.2	15.4



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

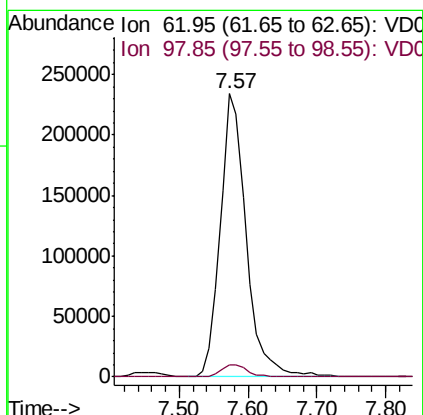
Manual Integrations
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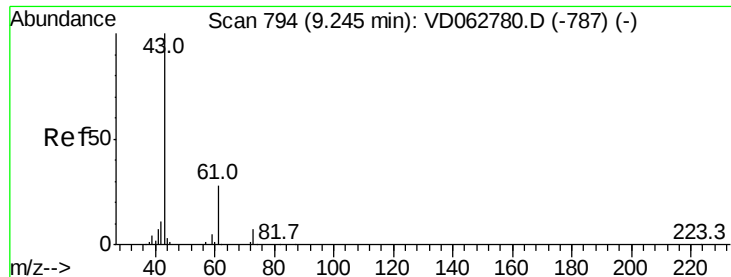
MMDadoda
6/27/2019 12:44:52 AM



#42
1,2-Dichloroethane
Concen: 60.582 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	10.0





#43

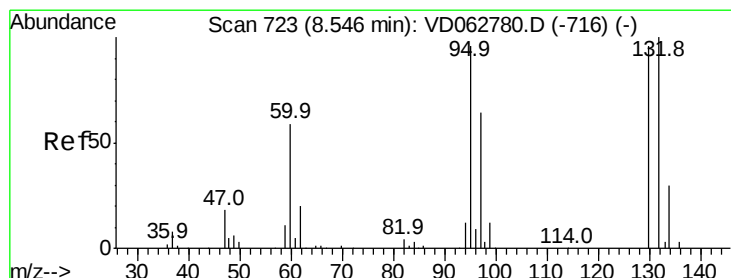
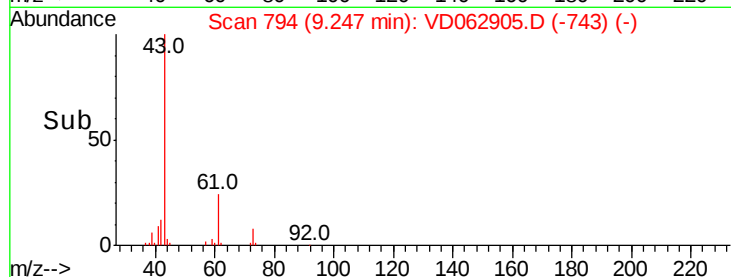
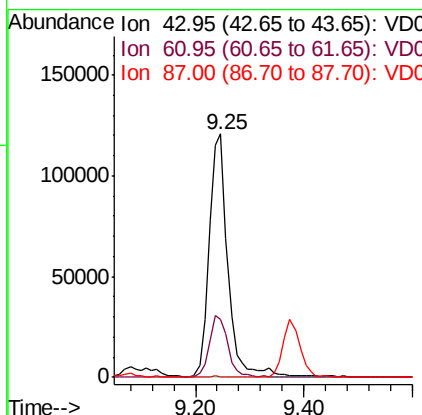
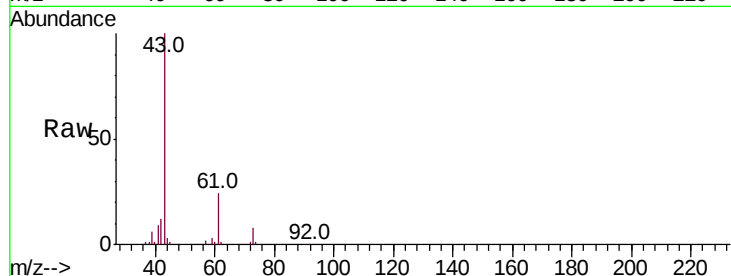
Isopropyl Acetate
 Concen: 60.991 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.8	22.4	33.6
87	0.0	0.3	0.5

Manual Integrations
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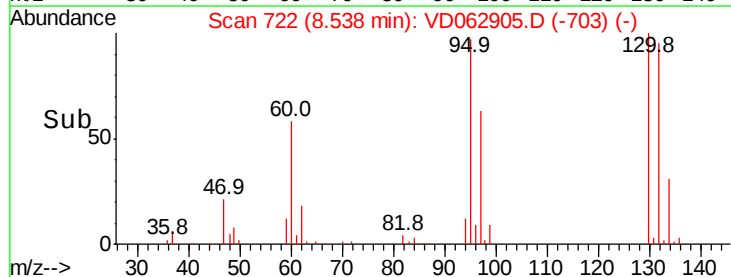
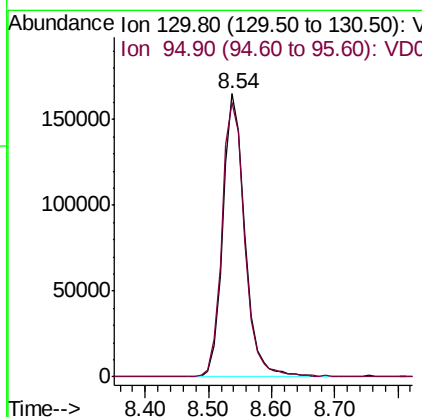
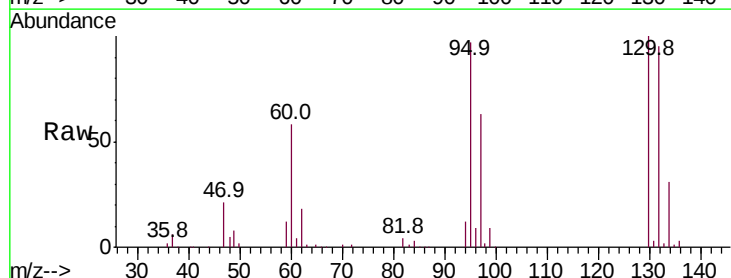
MMDadoda
 6/27/2019 12:44:52 AM

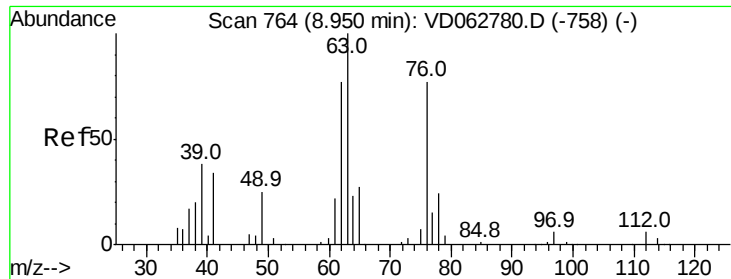


#44

Trichloroethene
 Concen: 55.295 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	201.6





#45

1,2-Dichloropropane

Concen: 53.019 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 242948

Ion Ratio Lower Upper

63 100

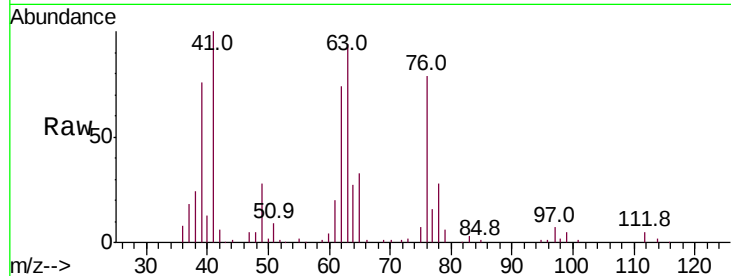
65 34.5 24.2 36.2

Manual Integrations

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6/27/2019 12:44:52 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

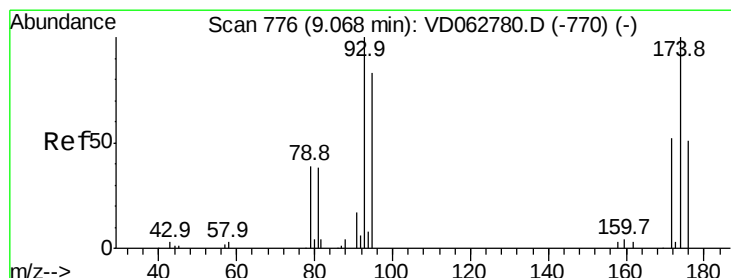
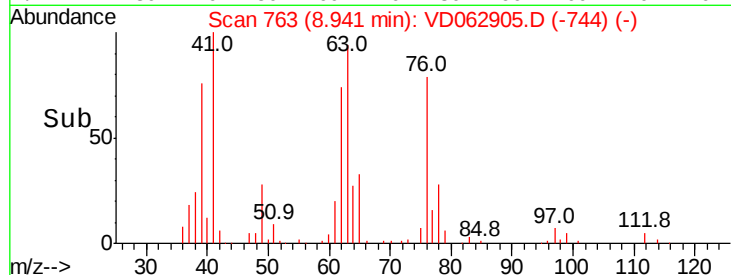
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.531 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

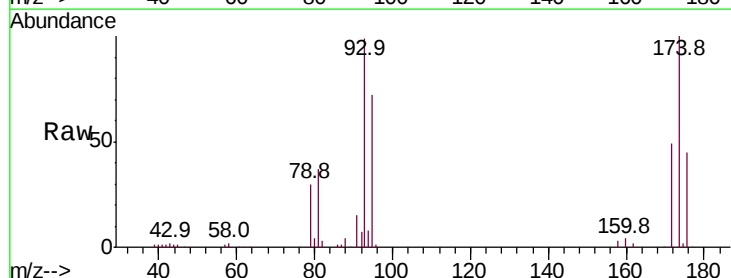
Tgt Ion: 93 Resp: 222522

Ion Ratio Lower Upper

93 100

95 73.6 66.6 100.0

174 101.5 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

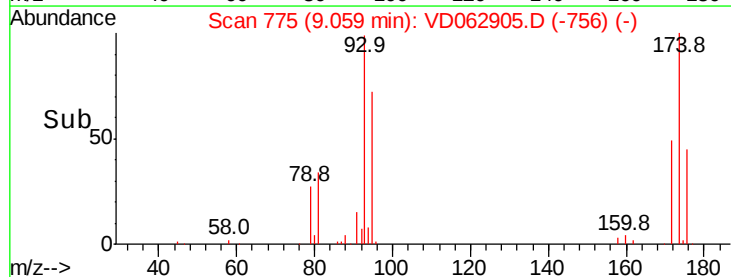
9.06

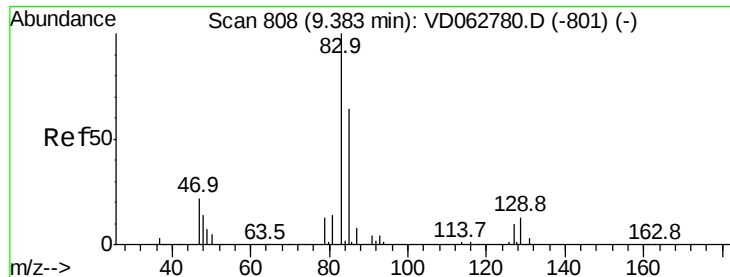
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 60.397 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

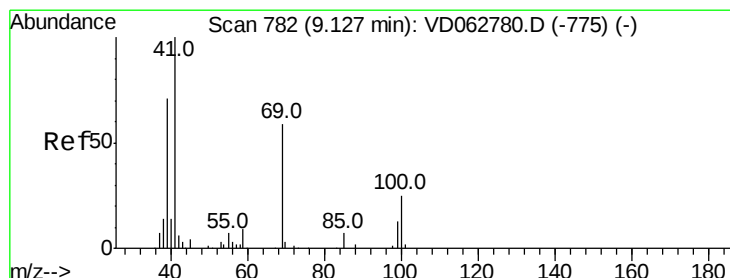
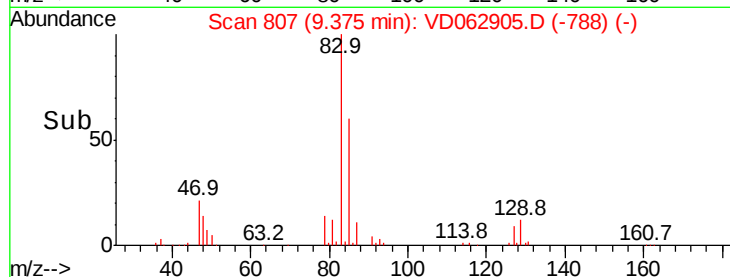
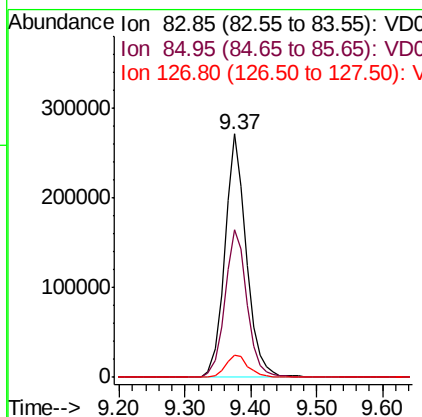
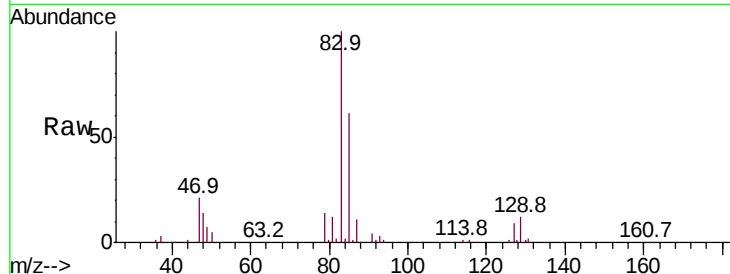
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	617431
Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.6	77.4
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.052 ug/l

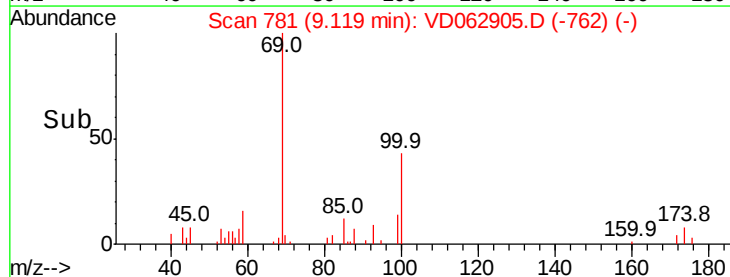
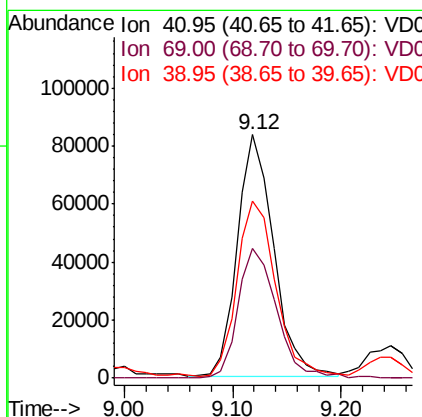
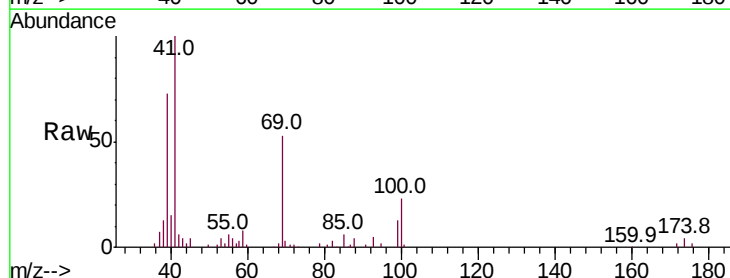
RT: 9.12 min Scan# 781

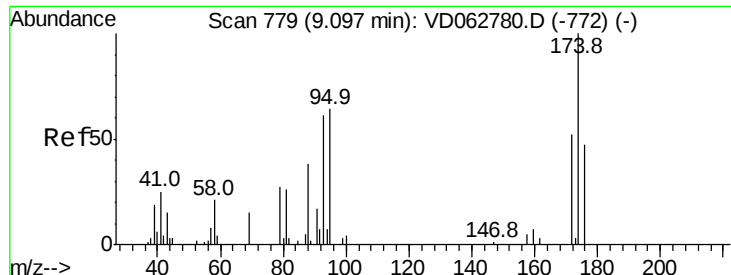
Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	41	Resp:	195136
Ion	Ratio	Lower	Upper
41	100		
69	53.2	47.2	70.8
39	72.9	57.4	86.2





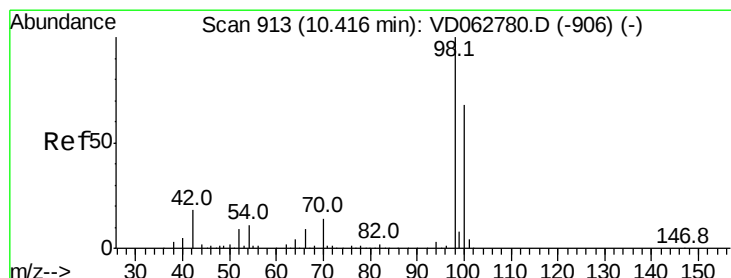
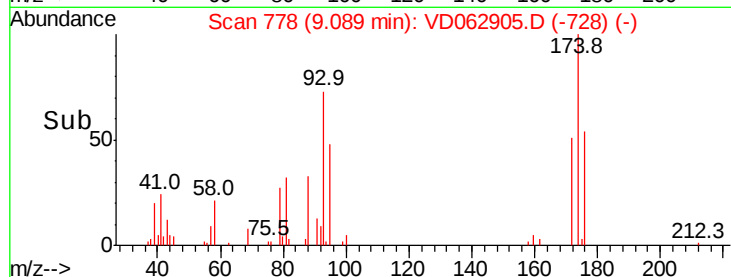
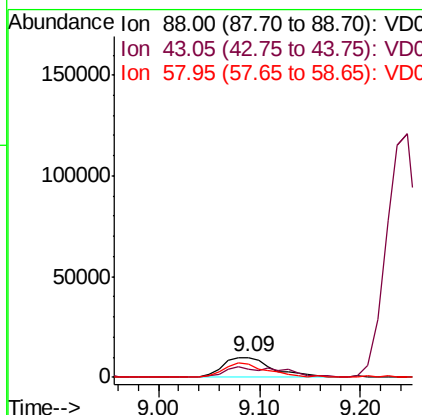
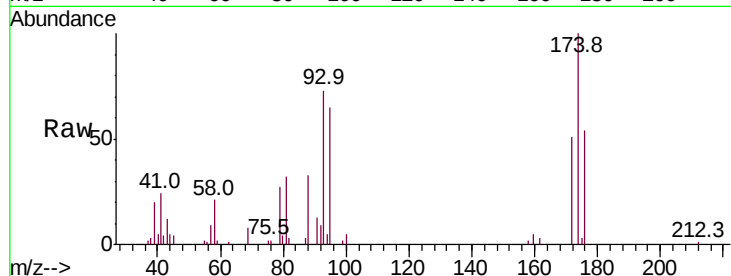
#49
1,4-Dioxane
Concen: 1174.870 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	32.1	48.1
58	64.7	44.1	66.1

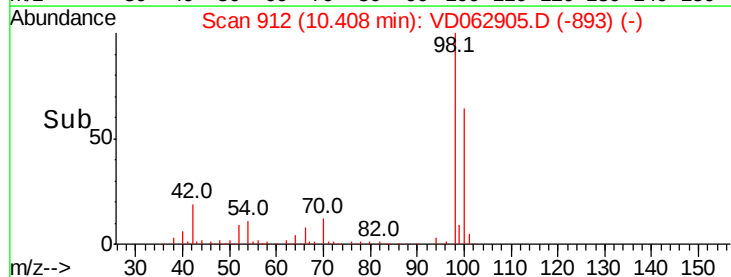
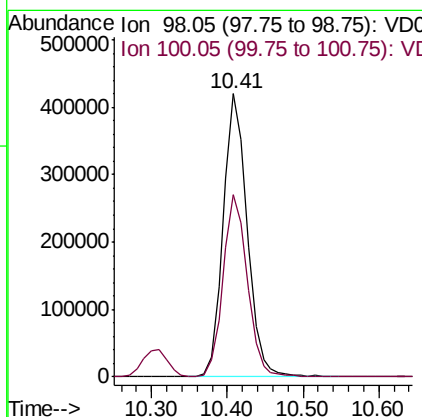
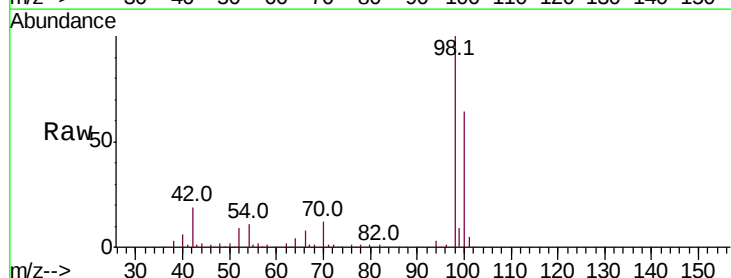
Manual Integrations
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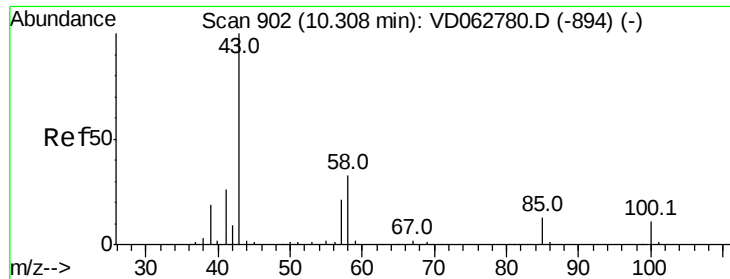
MMDadoda
6/27/2019 12:44:52 AM



#50
Toluene-d8
Concen: 51.801 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 293.445 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1001366

Ion Ratio Lower Upper

43 100

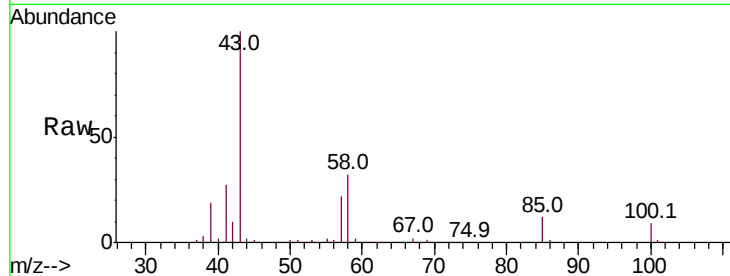
58 32.3 26.6 40.0

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

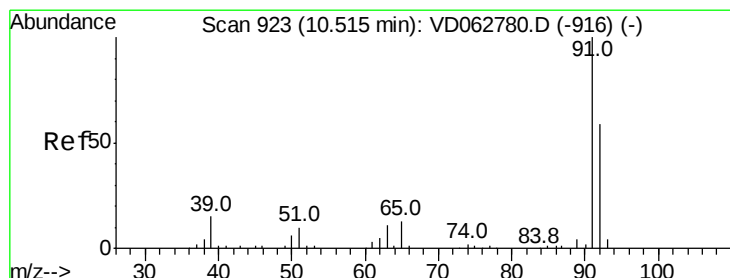
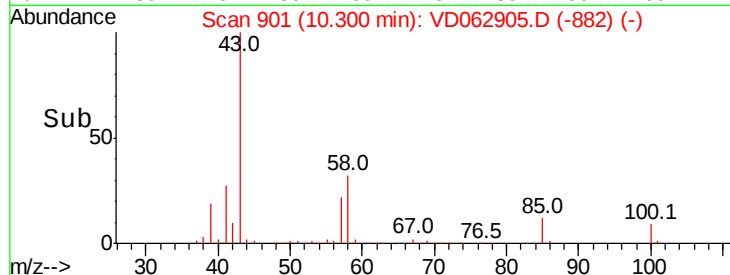
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.271 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062905.D

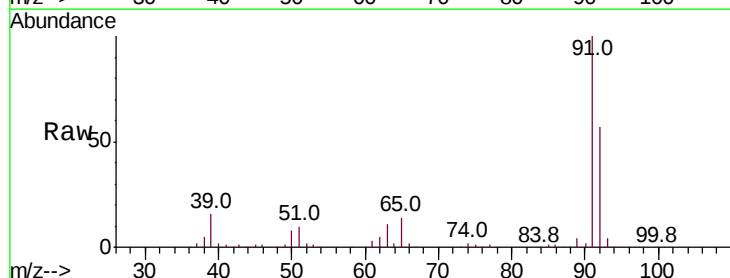
Acq: 26 Jun 2019 5:46

Tgt Ion: 92 Resp: 635121

Ion Ratio Lower Upper

92 100

91 176.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

400000

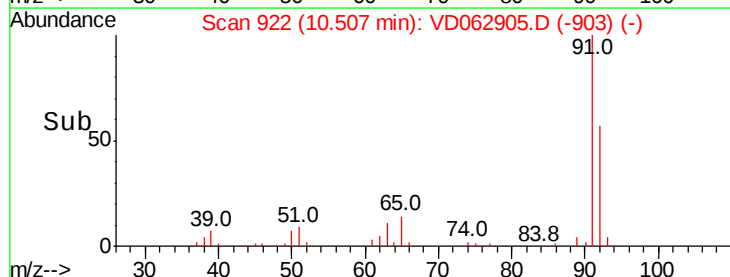
300000

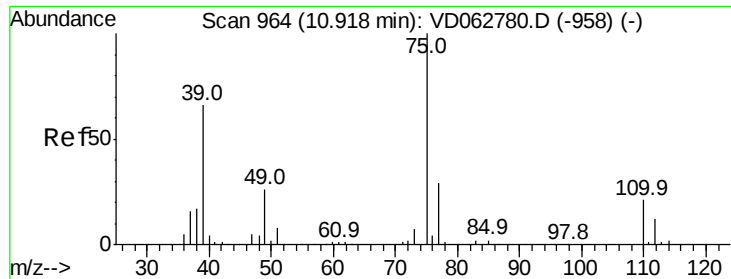
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.036 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 493972

Ion Ratio Lower Upper

75 100

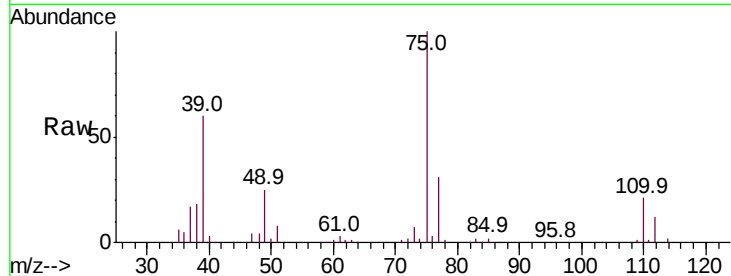
77 30.5 23.2 34.8

Manual Integrations

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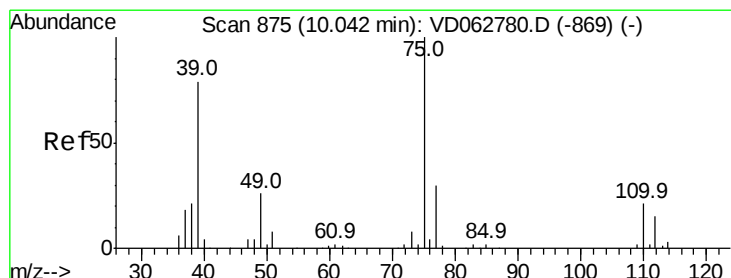
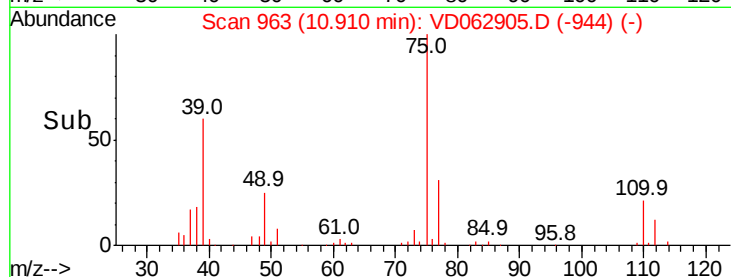
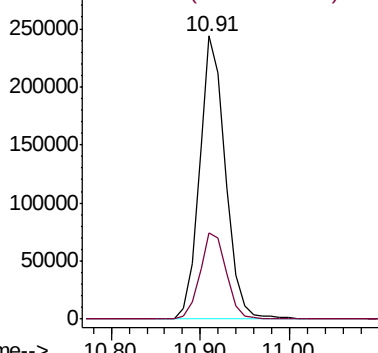
MMDadoda

6/27/2019 12:44:52 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 54.670 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

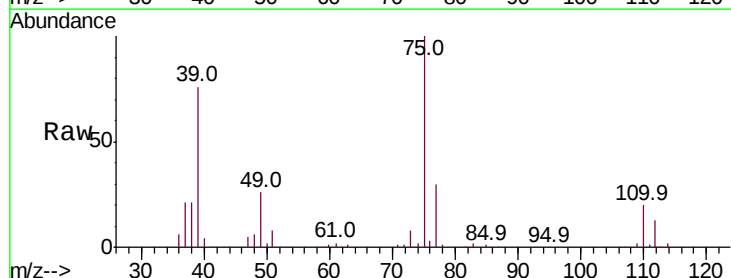
Tgt Ion: 75 Resp: 497201

Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.2

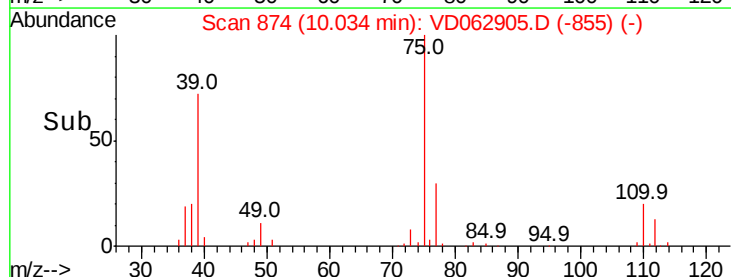
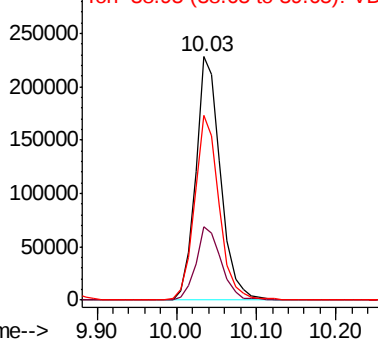
39 75.8 63.5 95.3

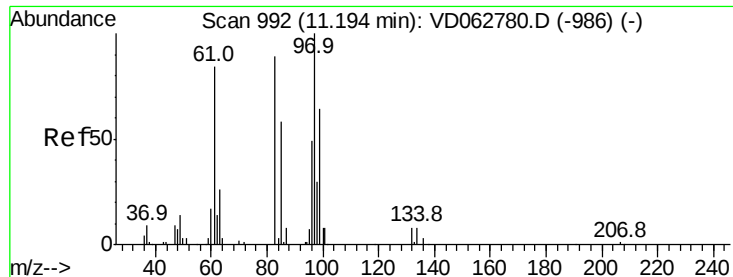


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





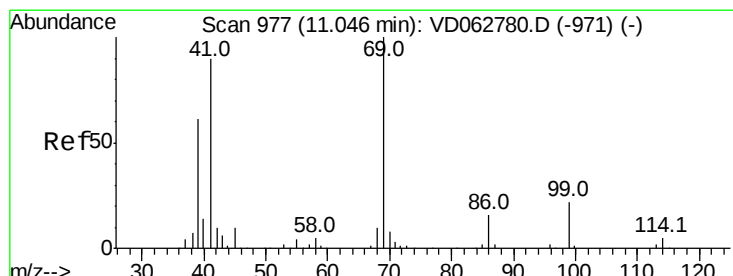
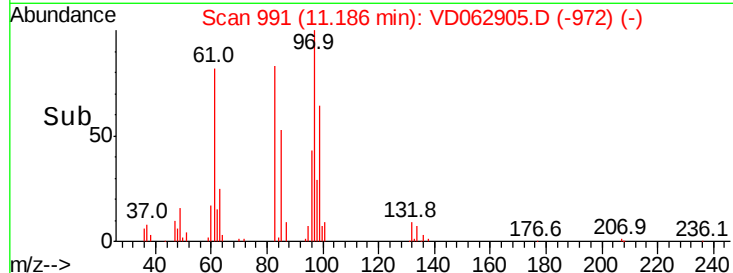
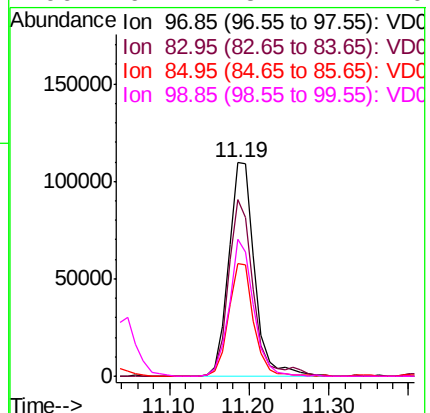
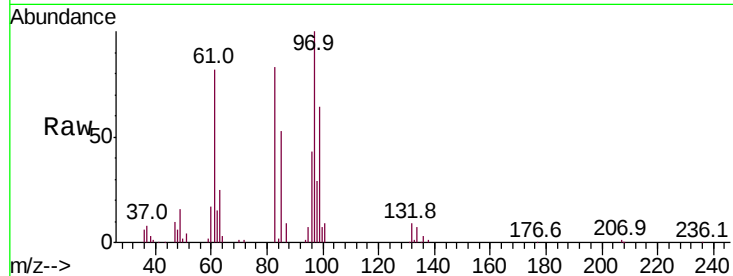
#55
1,1,2-Trichloroethane
Concen: 58.659 ug/l
RT: 11.19 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.9	71.0	106.4
85	52.8	46.6	69.8
99	64.2	51.4	77.0

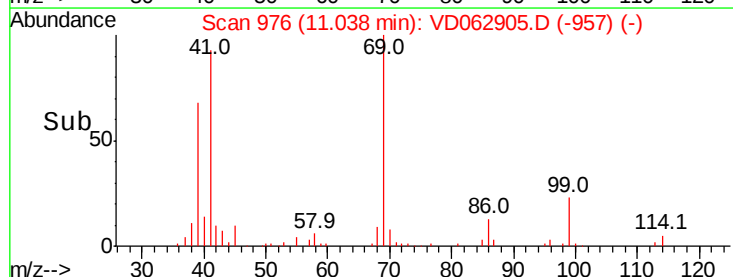
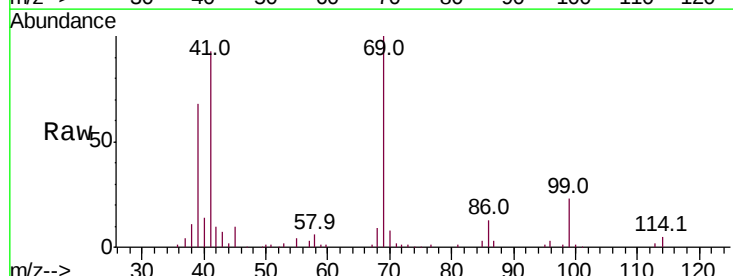
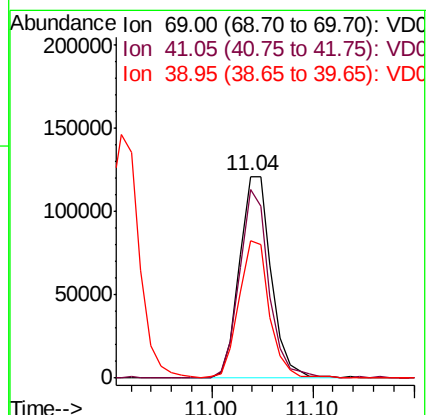
Manual Integrations
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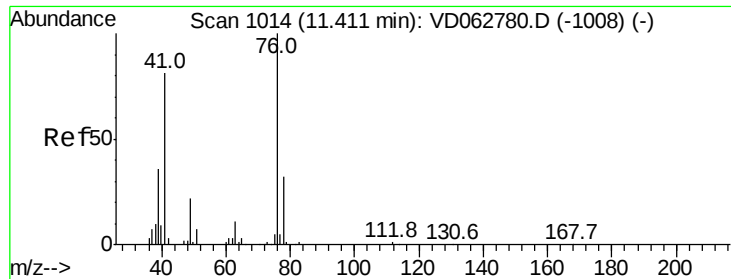
MMDadoda
6/27/2019 12:44:52 AM



#56
Ethyl methacrylate
Concen: 58.221 ug/l
RT: 11.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	93.5	72.0	108.0
39	68.3	49.5	74.3





#57

1,3-Dichloropropane

Concen: 57.067 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 371871

Ion Ratio Lower Upper

76 100

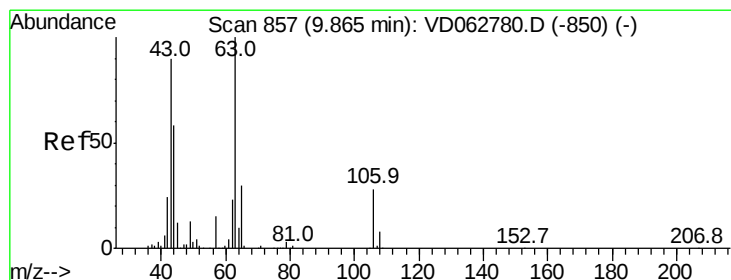
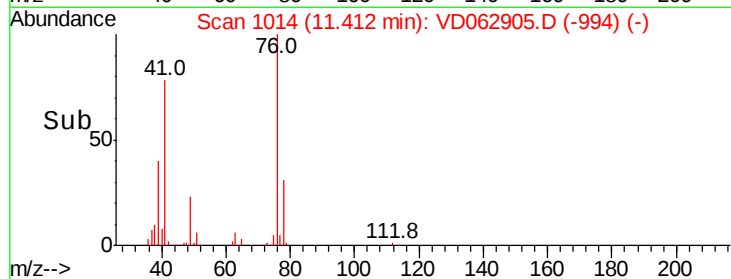
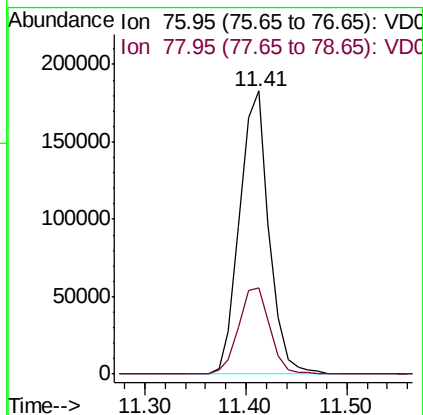
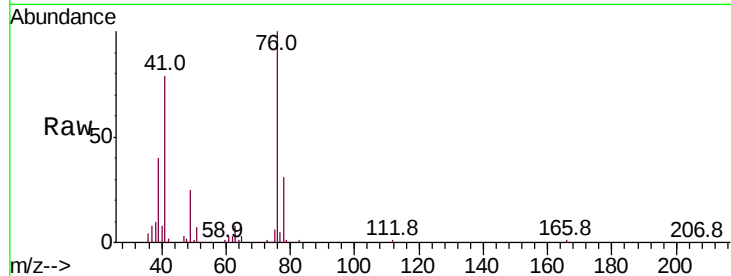
78 30.7 25.4 38.0

Manual Integrations

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MMDadoda

6/27/2019 12:44:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 319.499 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD062905.D

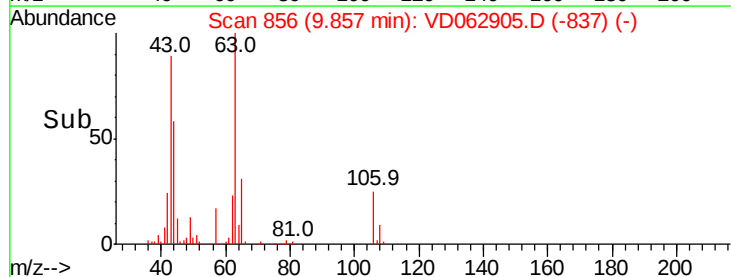
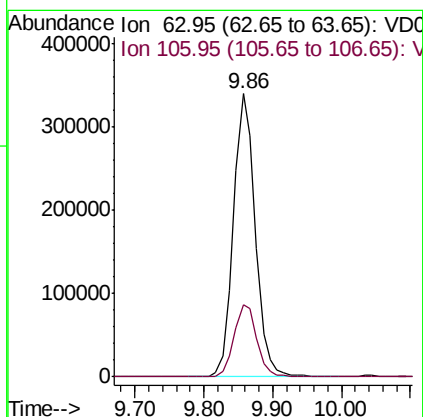
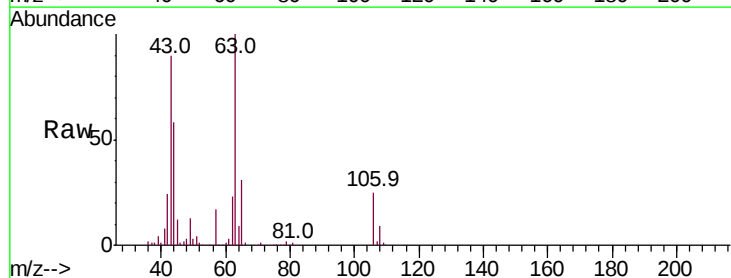
Acq: 26 Jun 2019 5:46

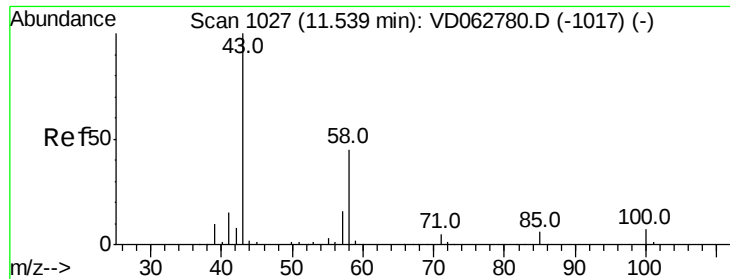
Tgt Ion: 63 Resp: 746026

Ion Ratio Lower Upper

63 100

106 25.4 22.1 33.1





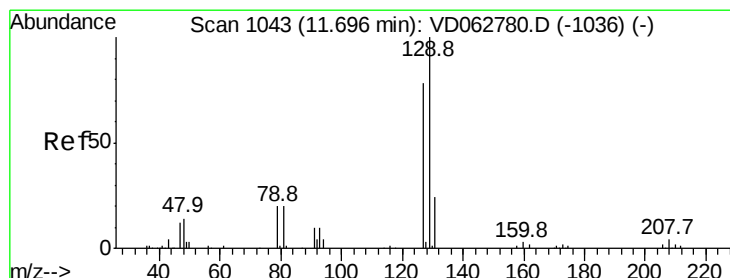
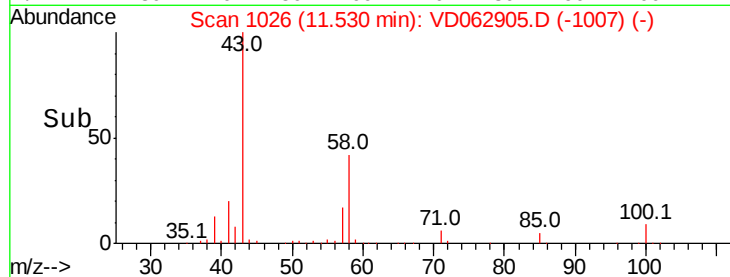
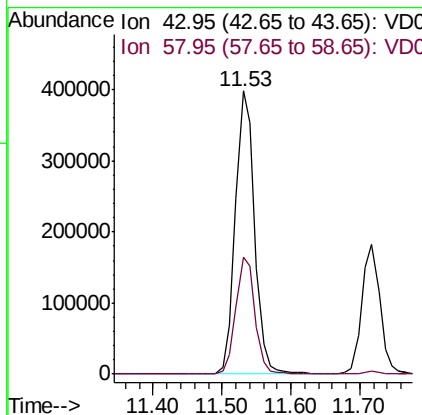
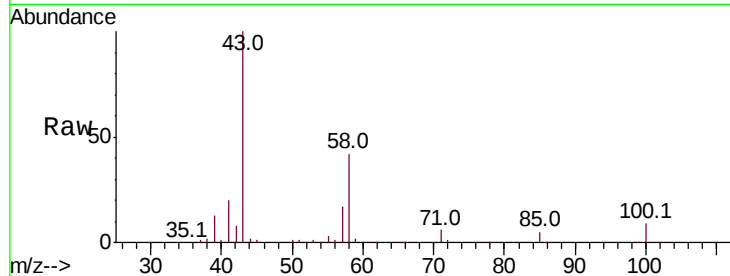
#59
2-Hexanone
Concen: 317.787 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 772320
Ion Ratio Lower Upper
43 100
58 41.5 22.4 67.2

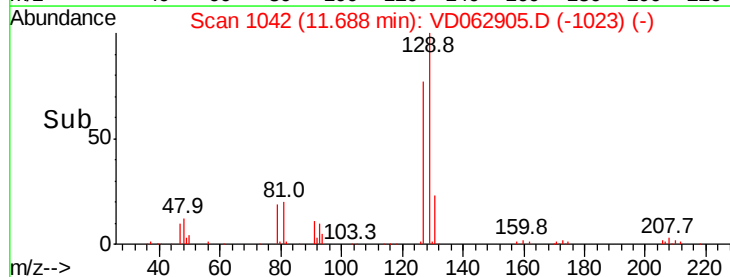
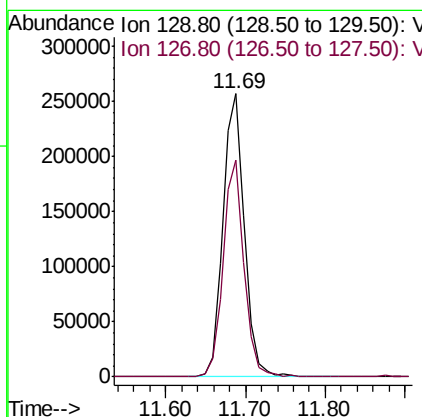
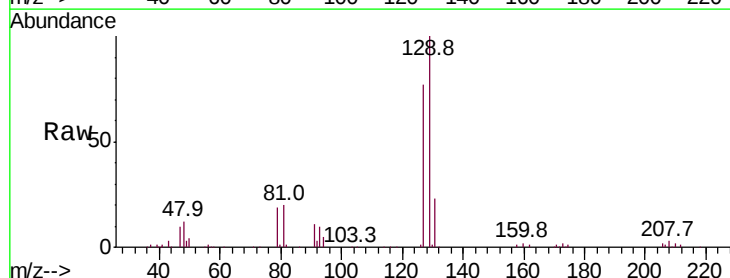
Manual Integrations
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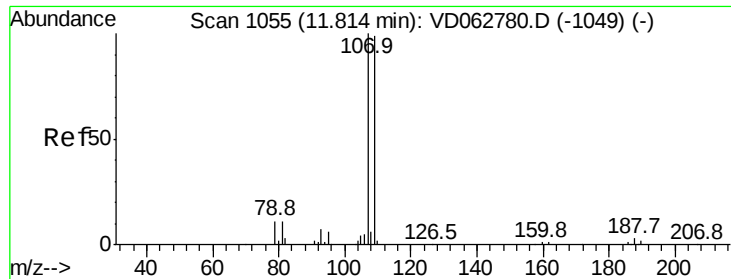
MMDadoda
6/27/2019 12:44:52 AM



#60
Dibromochloromethane
Concen: 61.395 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 129 Resp: 486691
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





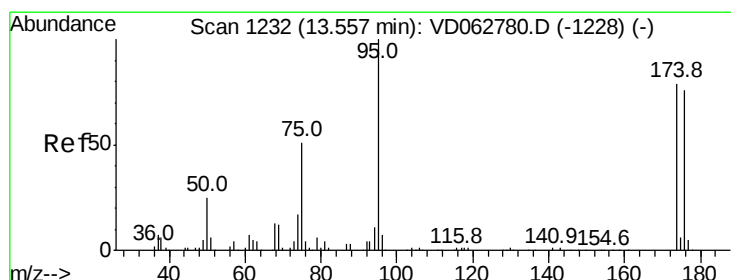
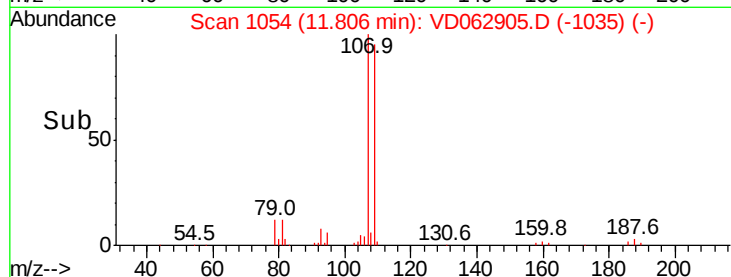
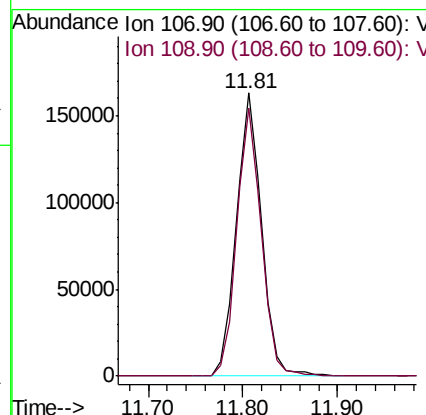
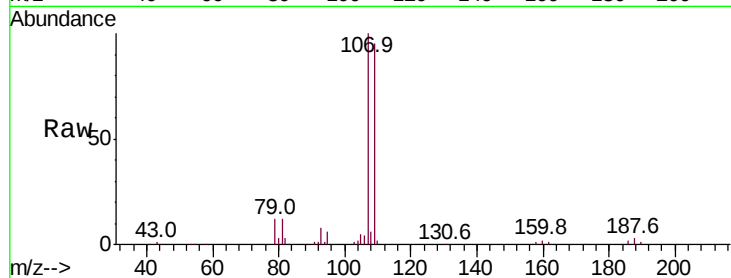
#61
 1,2-Dibromoethane
 Concen: 59.418 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	298661		
109	94.6	79.3	118.9	

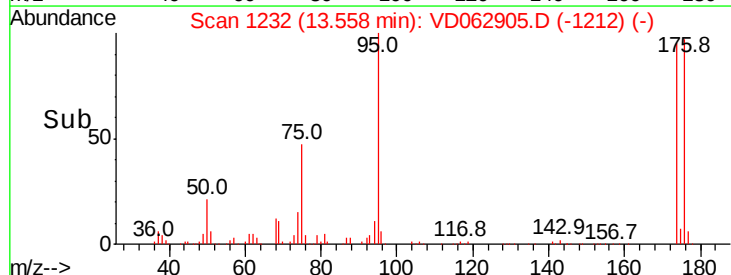
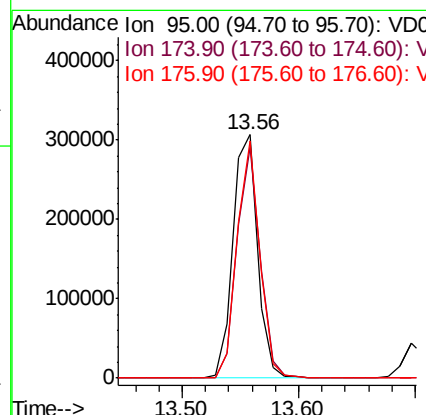
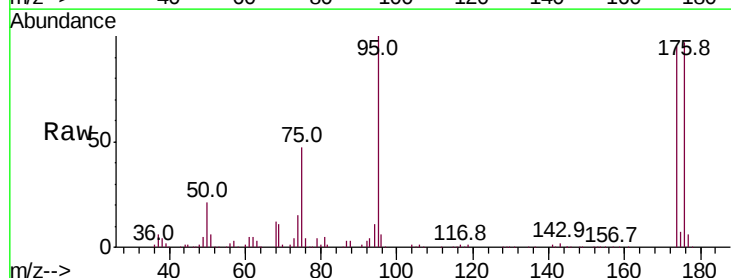
Manual Integrations
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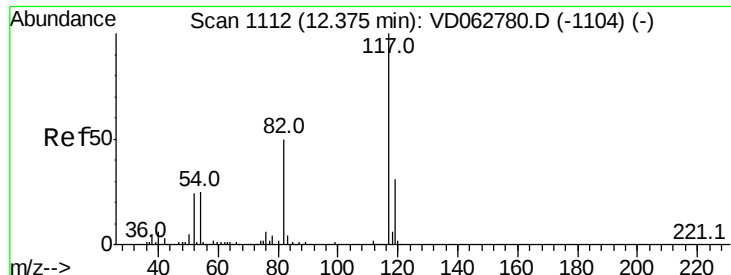
MMDadoda
 6/27/2019 12:44:52 AM



#62
 4-Bromofluorobenzene
 Concen: 55.811 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	451668		
174	95.1	0.0	158.0	
176	97.2	0.0	151.6	





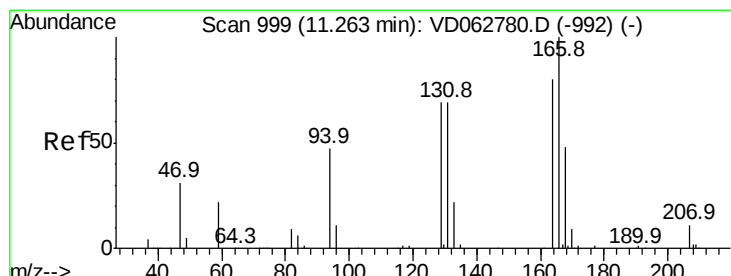
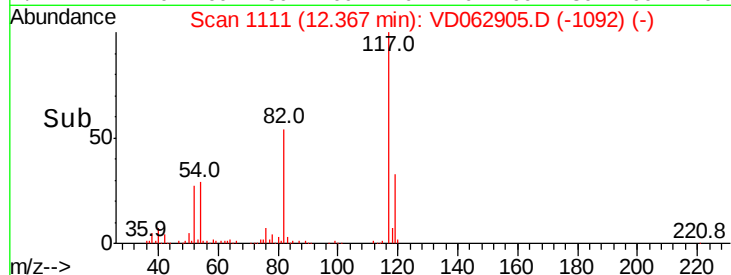
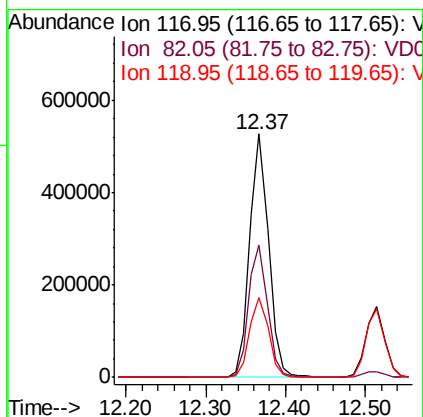
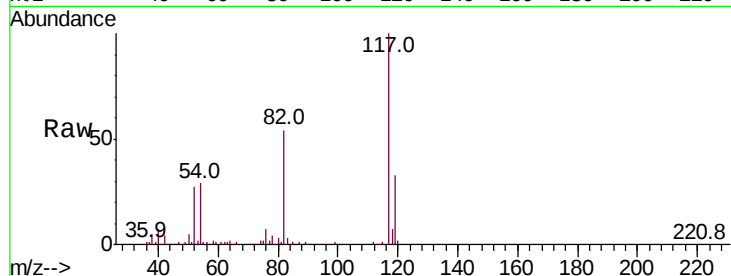
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	853098		
82	54.4		40.4	60.6
119	32.7		25.2	37.8

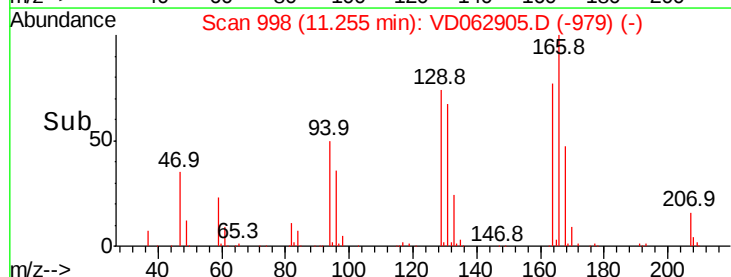
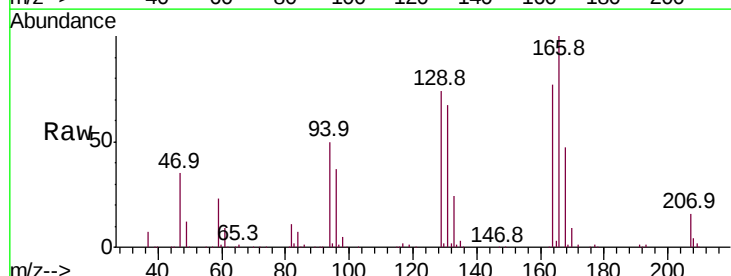
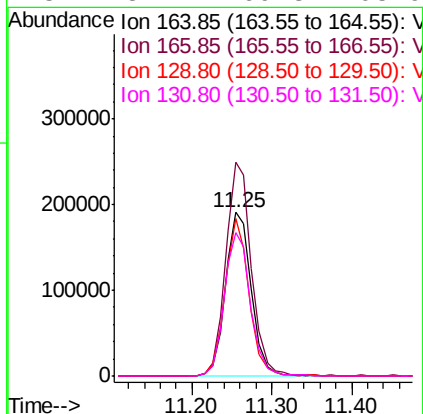
Manual Integrations
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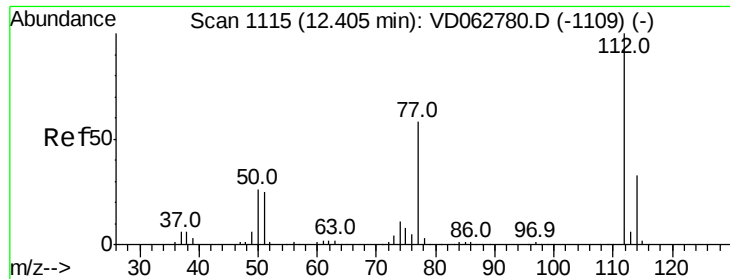
MMDadoda
6/27/2019 12:44:52 AM



#64
Tetrachloroethene
Concen: 61.553 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	432179		
166	130.5		100.6	150.8
129	96.2		69.4	104.0
131	87.7		69.3	103.9





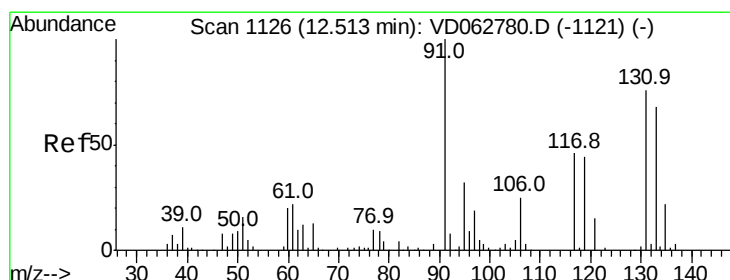
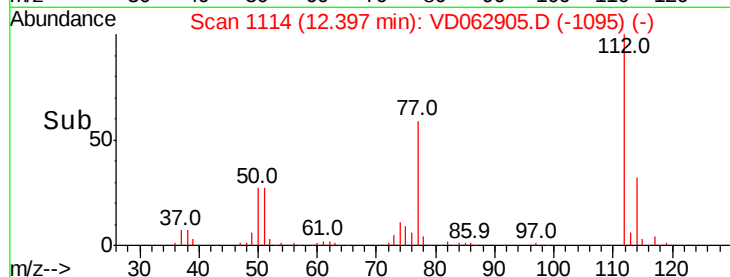
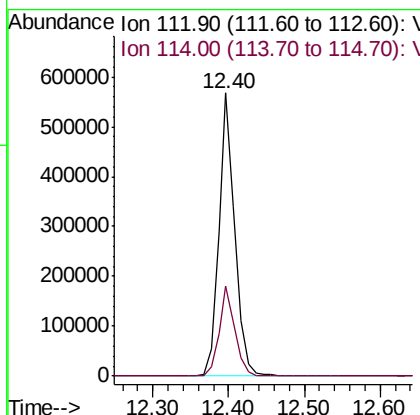
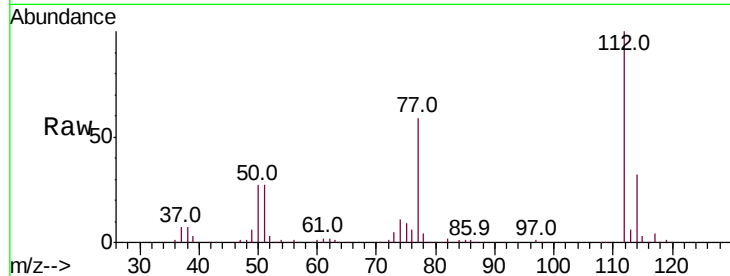
#65
Chlorobenzene
Concen: 52.703 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 834422
Ion Ratio Lower Upper
112 100
114 31.8 26.3 39.5

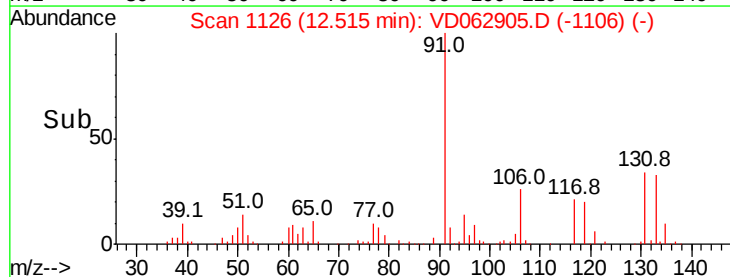
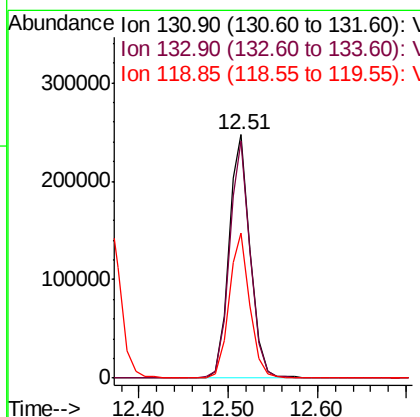
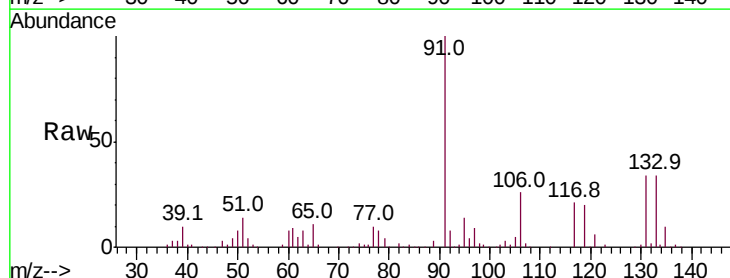
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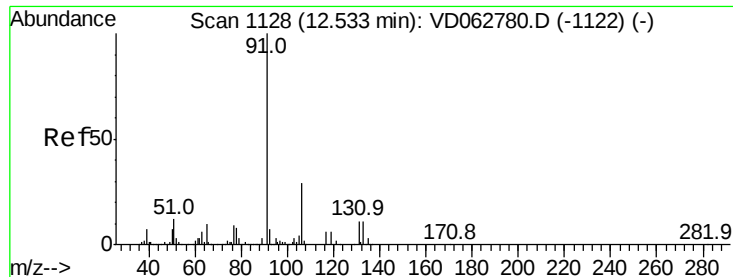
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.043 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion:131 Resp: 414956
Ion Ratio Lower Upper
131 100
133 97.5 44.5 133.3
119 59.3 28.6 85.9





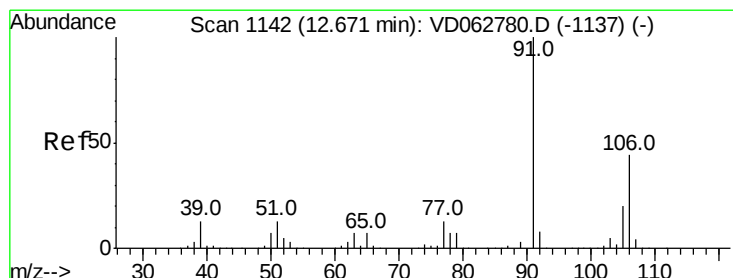
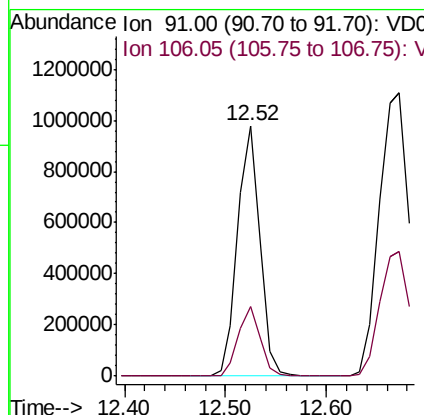
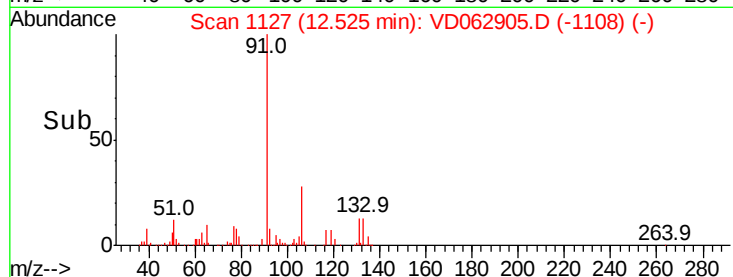
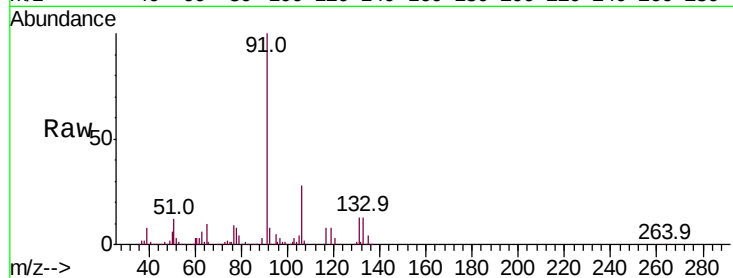
#67
Ethyl Benzene
Concen: 52.906 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1503891
Ion Ratio Lower Upper
91 100
106 28.0 23.1 34.7

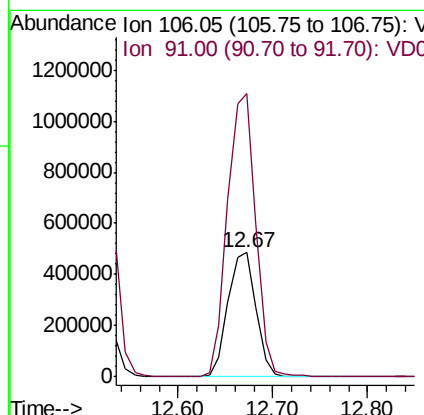
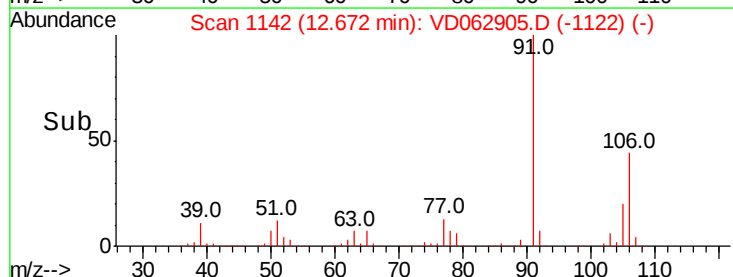
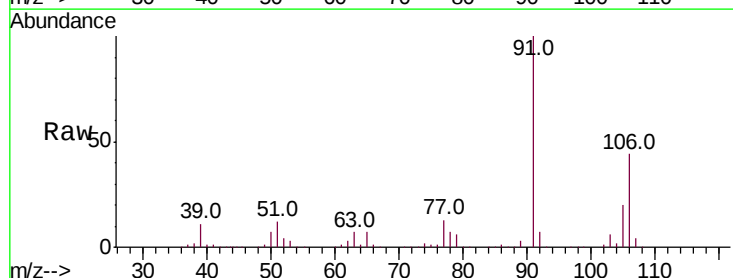
Manual Integrations
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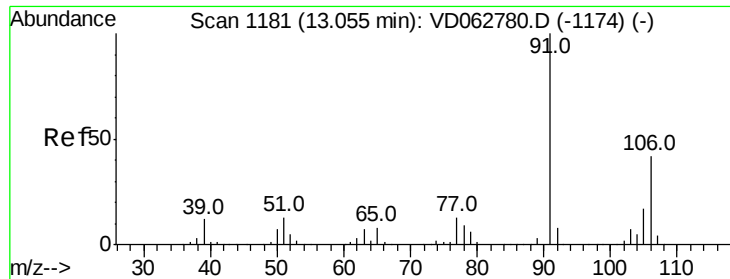
MMDadoda
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#68
m/p-Xylenes
Concen: 101.033 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion: 106 Resp: 1000266
Ion Ratio Lower Upper
106 100
91 228.2 183.0 274.6





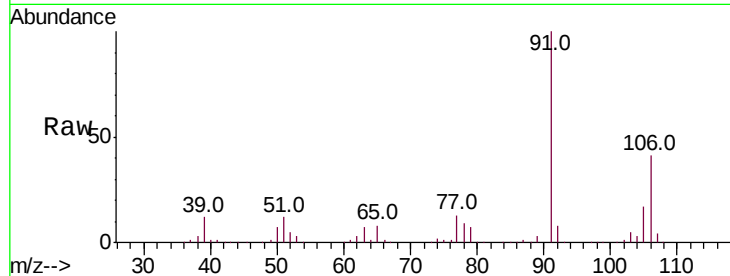
#69
o-Xylene
Concen: 54.749 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

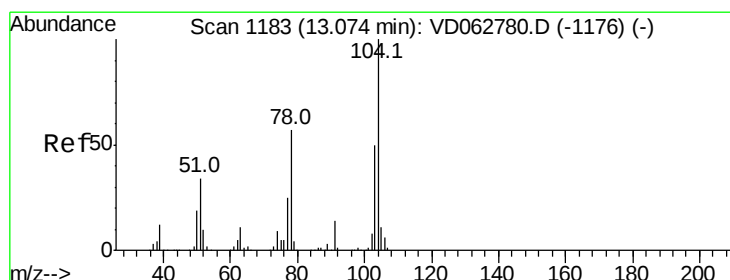
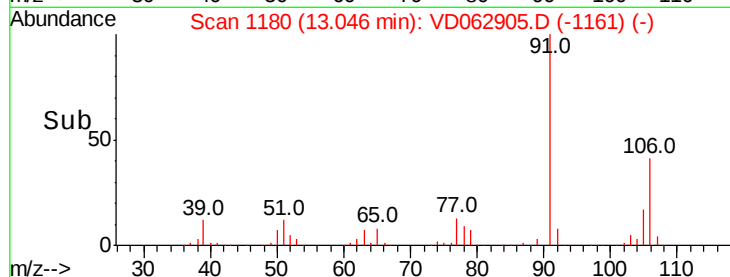
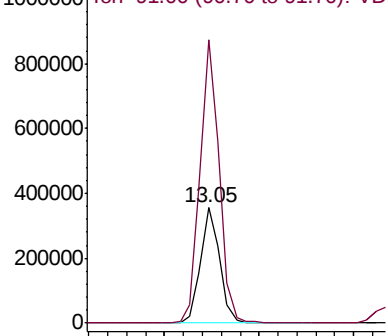
Tot Ion:106 Resp: 495505
Ion Ratio Lower Upper
106 100
91 244.9 117.9 353.6

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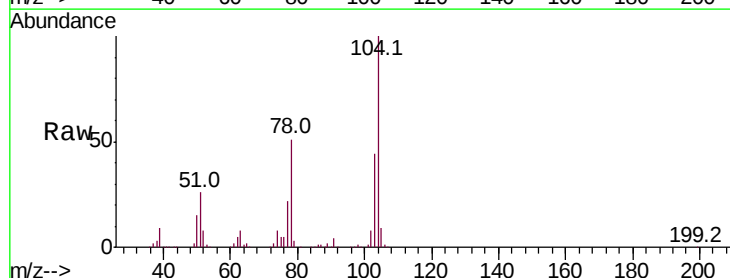


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

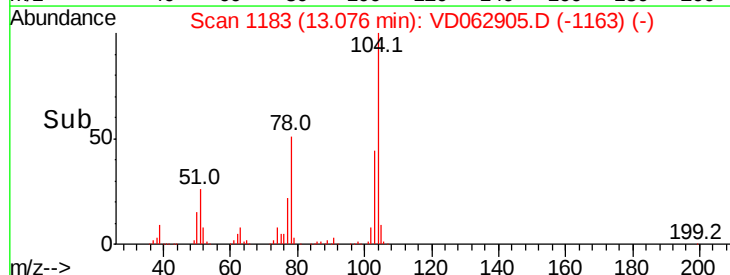
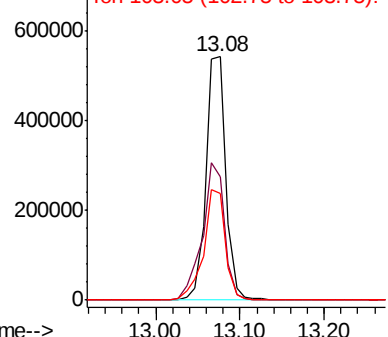


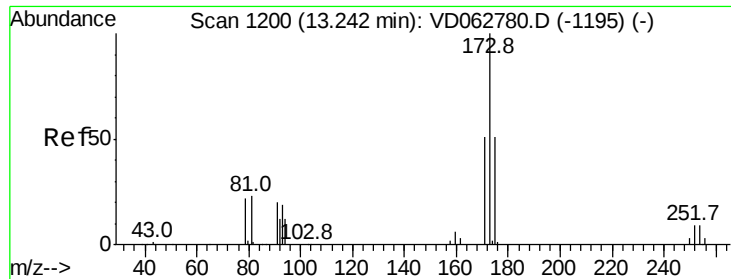
#70
Styrene
Concen: 55.332 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion:104 Resp: 879603
Ion Ratio Lower Upper
104 100
78 50.9 45.4 68.2
103 43.8 39.7 59.5



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





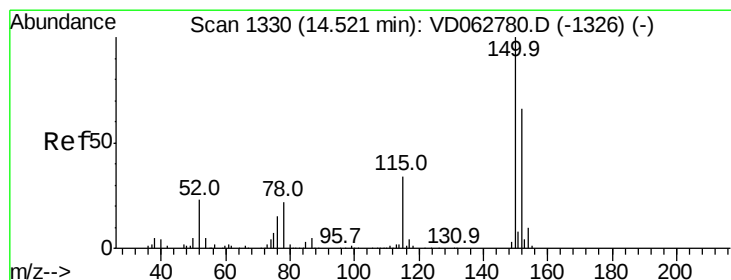
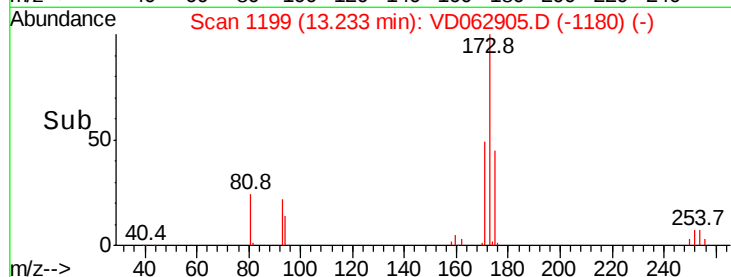
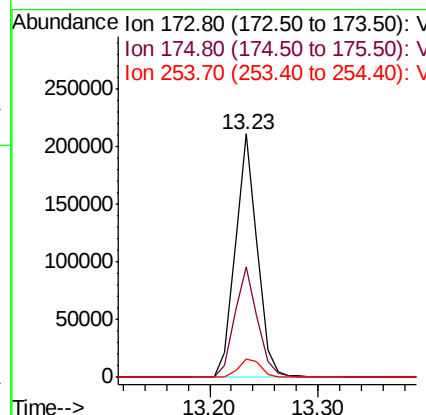
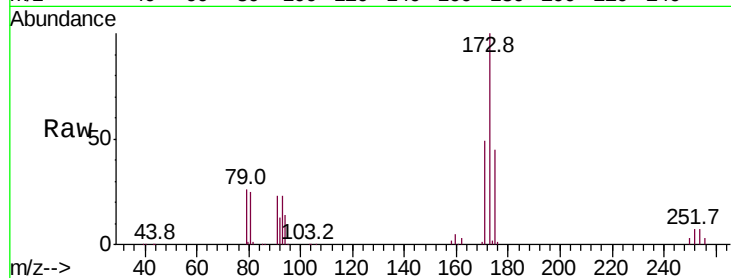
#71
Bromoform
Concen: 58.604 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.4	25.3	75.9
254	7.4	7.1	10.7

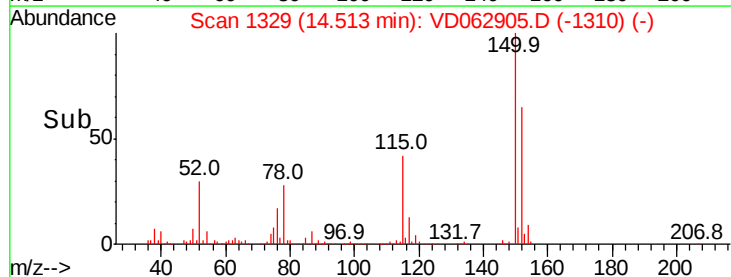
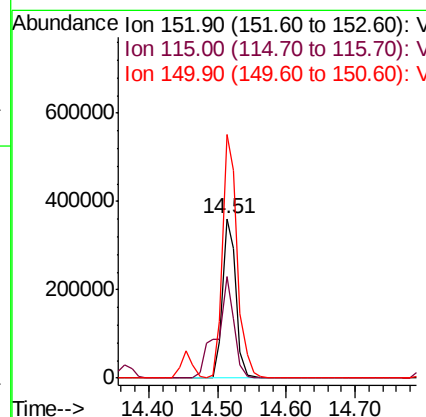
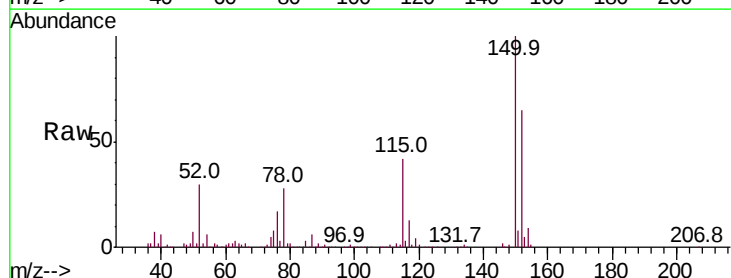
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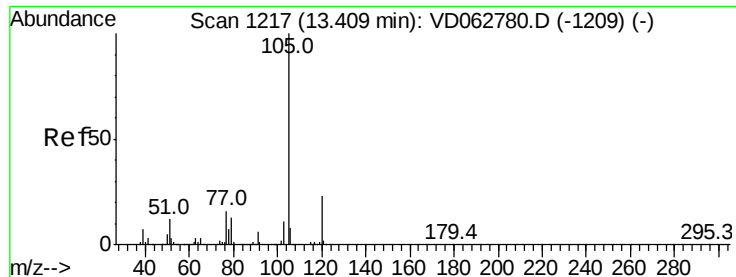
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	29.2	87.6
150	152.9	0.0	305.8





#73

Isopropylbenzene

Concen: 47.089 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1455978

Ion Ratio Lower Upper

105 100

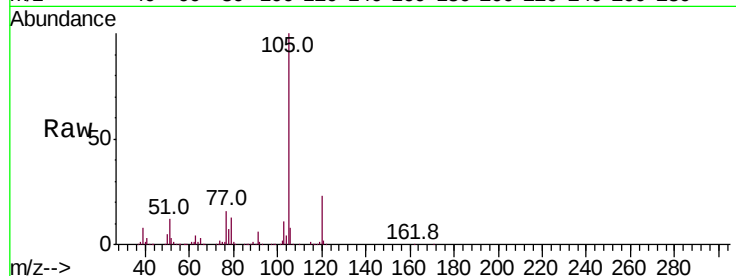
120 22.9 11.6 34.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

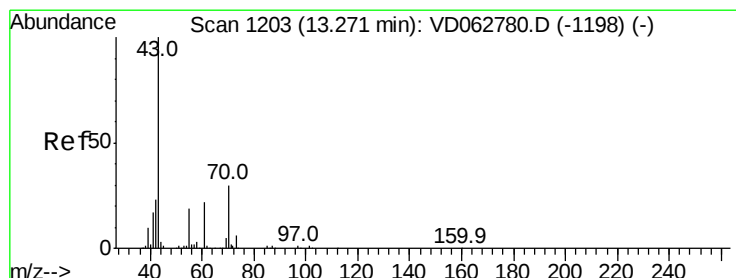
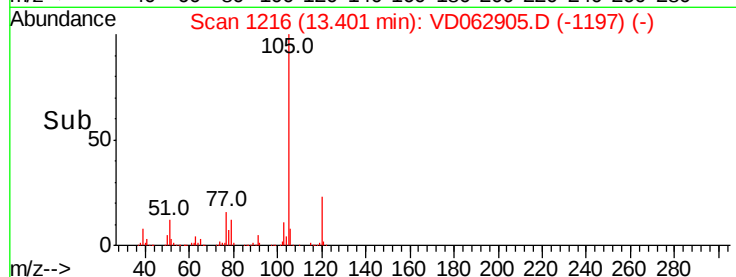
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 51.381 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion: 43 Resp: 385810

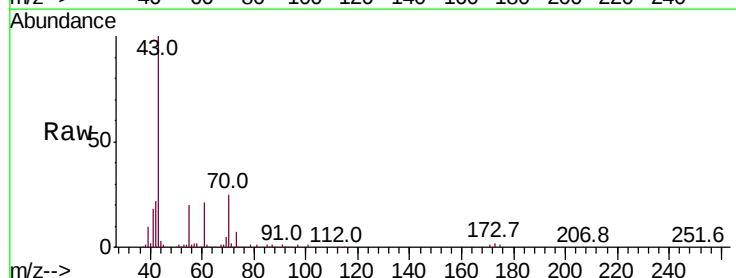
Ion Ratio Lower Upper

43 100

70 25.4 24.4 36.6

55 19.7 15.2 22.8

61 21.1 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

400000

300000

200000

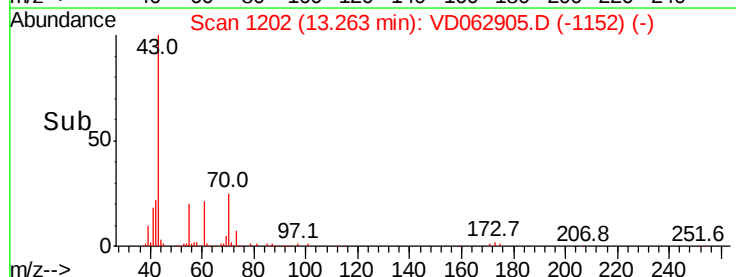
100000

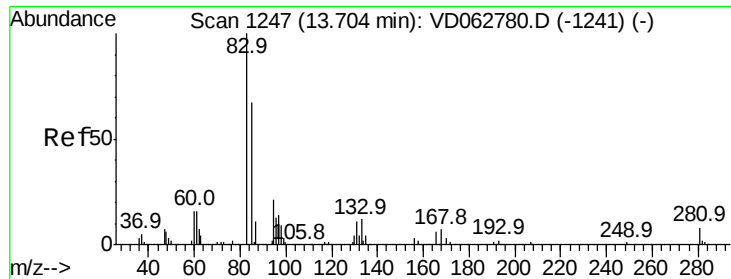
0

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.872 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 276442

Ion Ratio Lower Upper

83 100

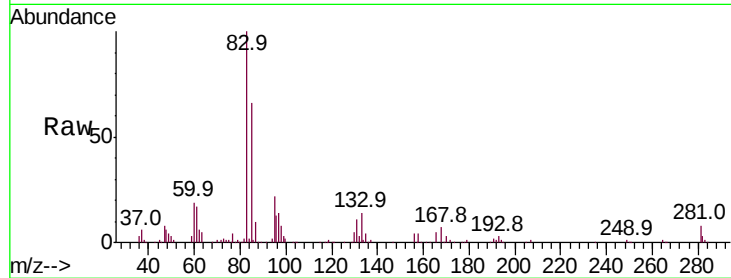
131 11.4 5.3 16.1

85 66.2 33.7 101.1

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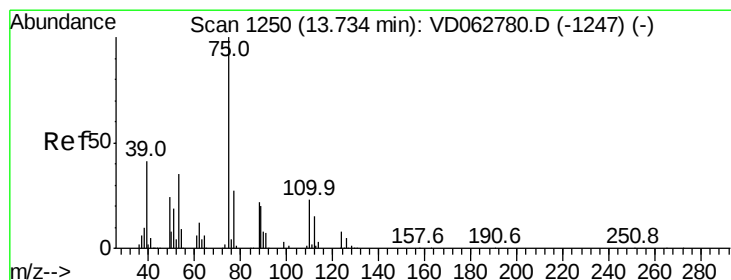
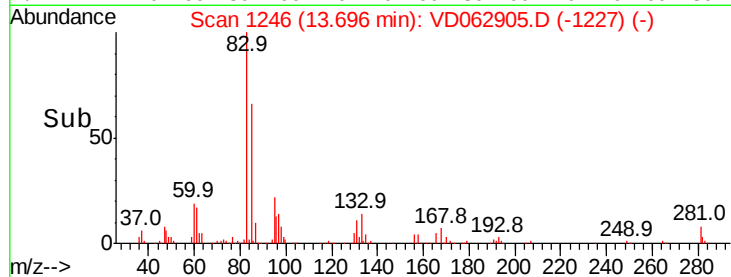
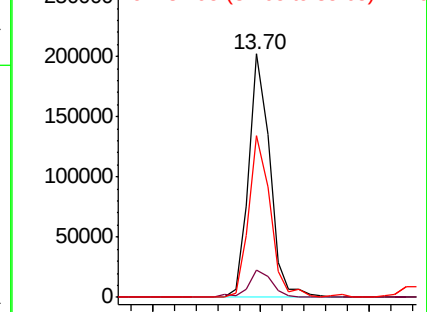
6/27/2019 12:44:52 AM



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: 56.396 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062905.D

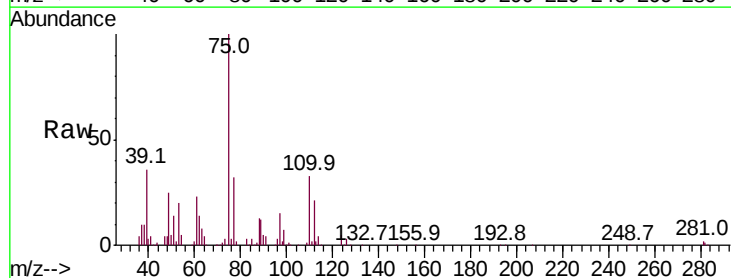
Acq: 26 Jun 2019 5:46

Tgt Ion: 75 Resp: 313962

Ion Ratio Lower Upper

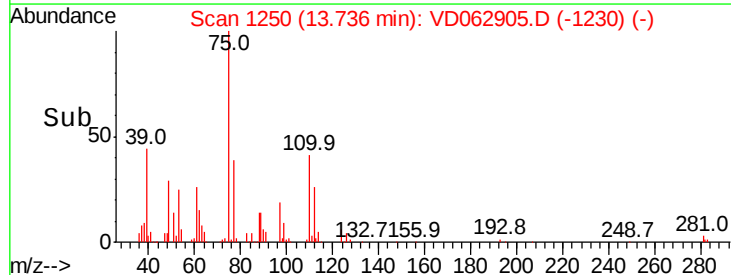
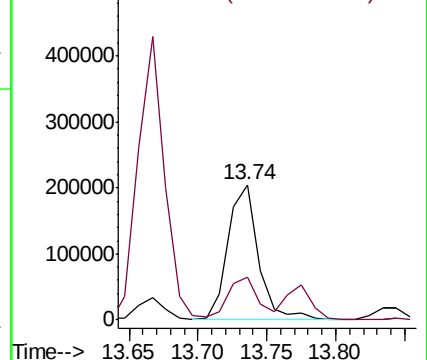
75 100

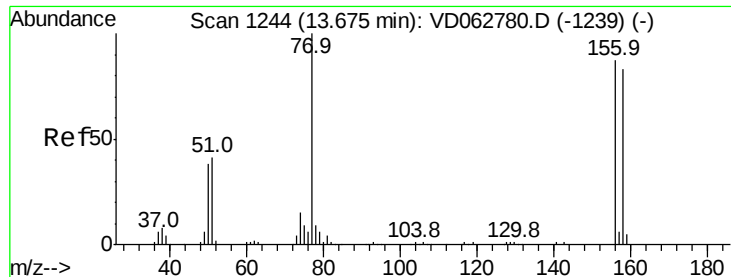
77 31.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.655 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 446224

Ion Ratio Lower Upper

156 100

77 128.0 57.7 173.1

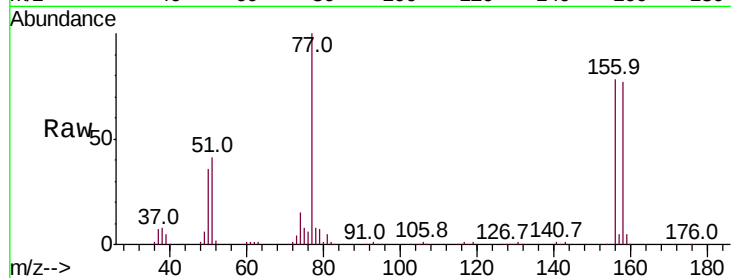
158 98.5 47.7 143.1

Manual Integrations

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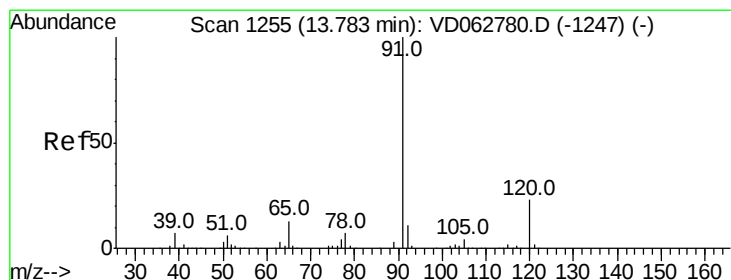
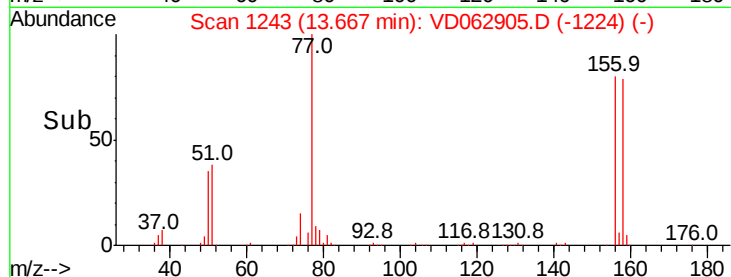
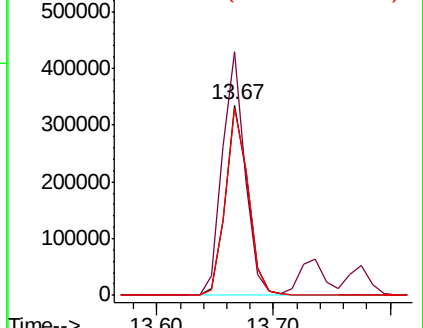
6/27/2019 12:44:52 AM



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: 45.411 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062905.D

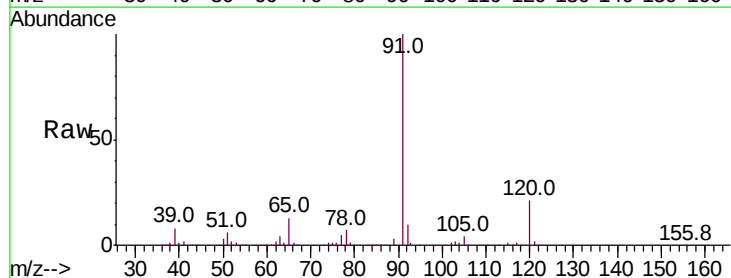
Acq: 26 Jun 2019 5:46

Tgt Ion: 91 Resp: 1634266

Ion Ratio Lower Upper

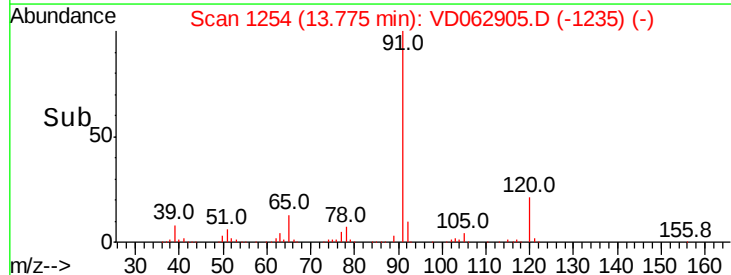
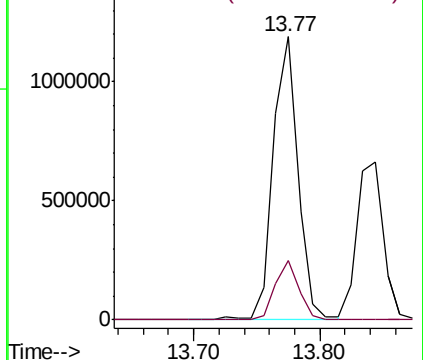
91 100

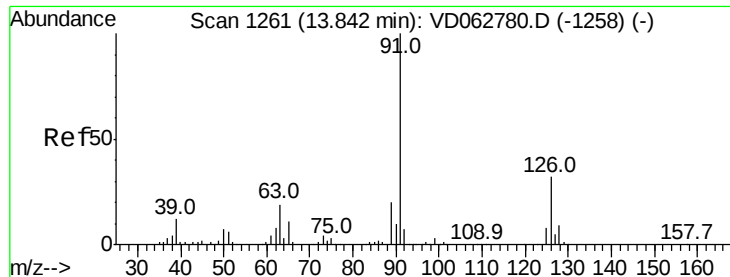
120 21.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.593 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 978817

Ion Ratio Lower Upper

91 100

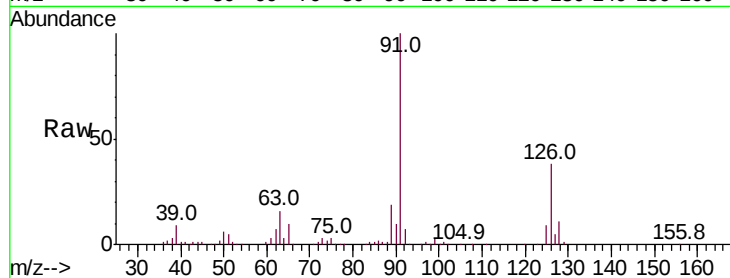
126 37.7 15.7 47.1

Manual Integrations

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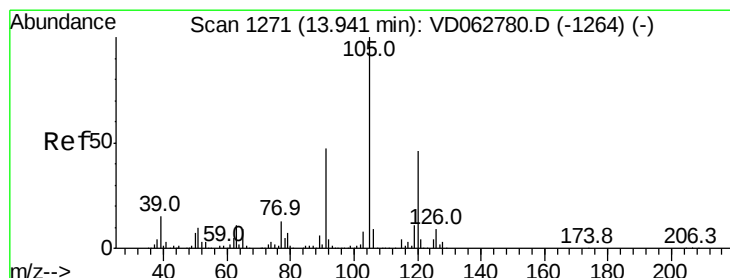
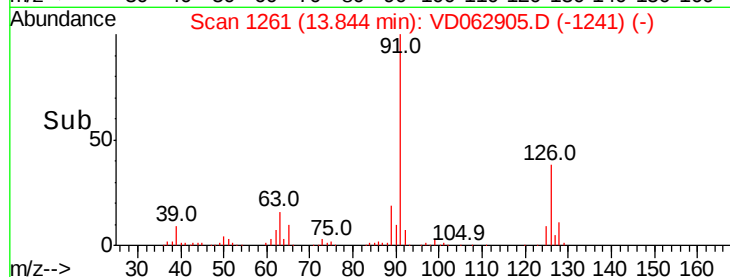
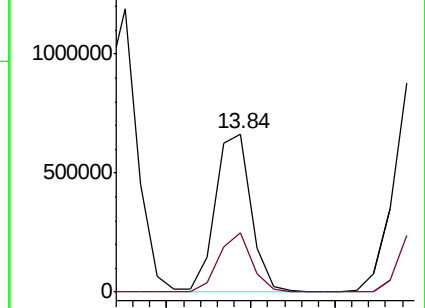
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.586 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062905.D

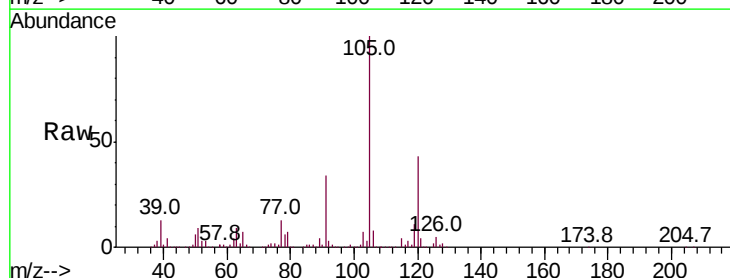
Acq: 26 Jun 2019 5:46

Tgt Ion:105 Resp: 1313805

Ion Ratio Lower Upper

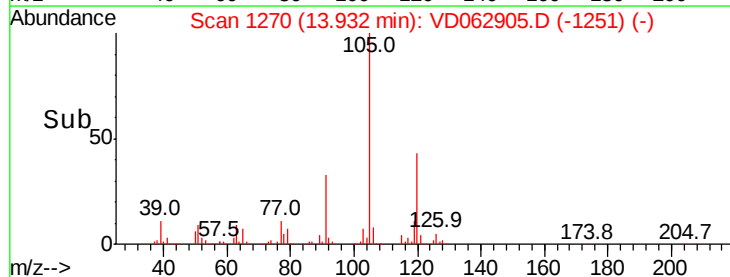
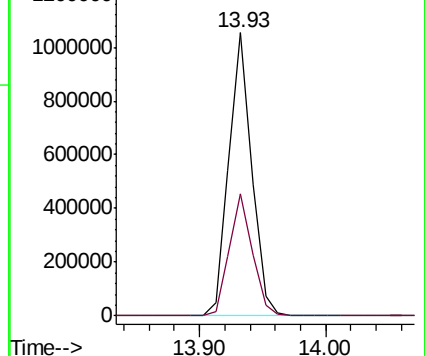
105 100

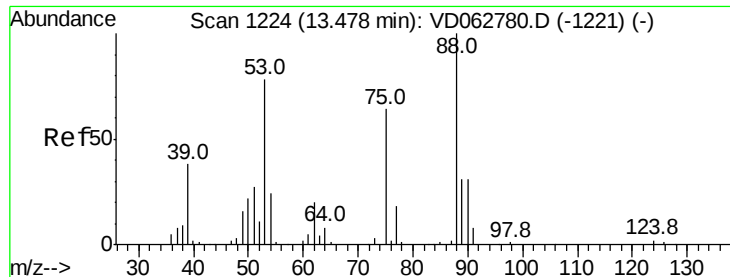
120 43.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.525 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

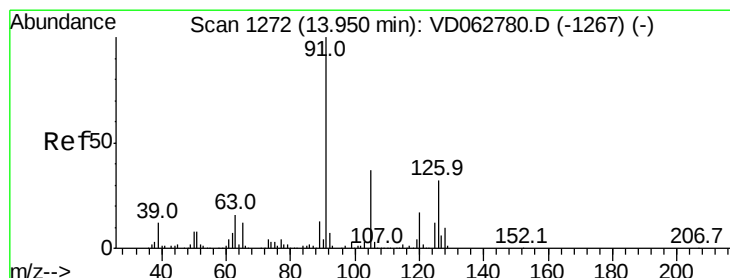
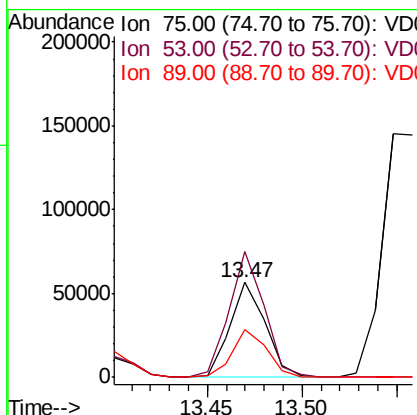
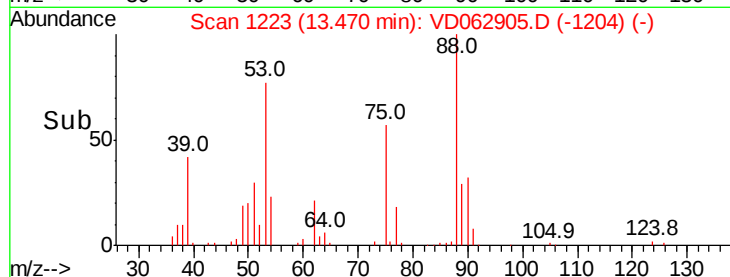
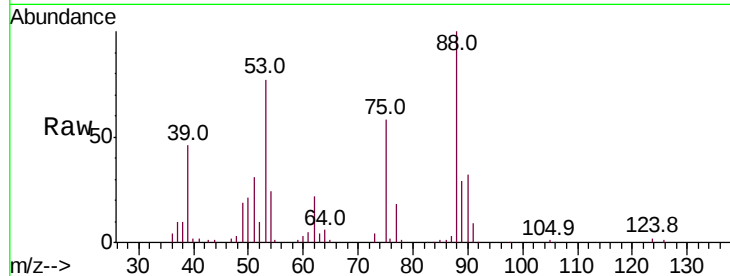
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	73718
Ion	Ratio	Lower	Upper
75	100		
53	133.5	97.8	146.8
89	50.3	39.4	59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.692 ug/l

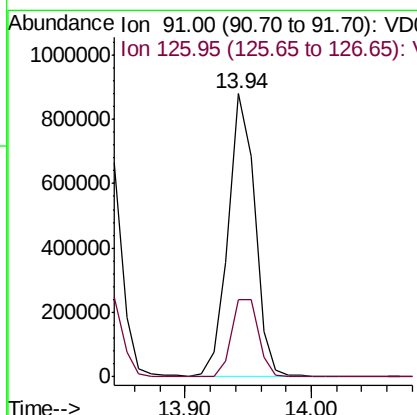
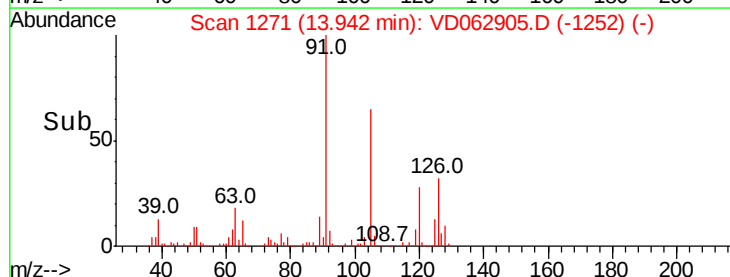
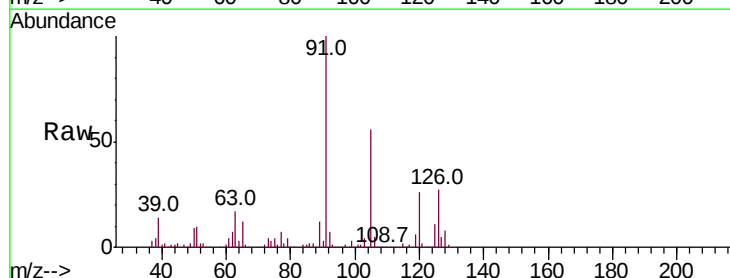
RT: 13.94 min Scan# 1271

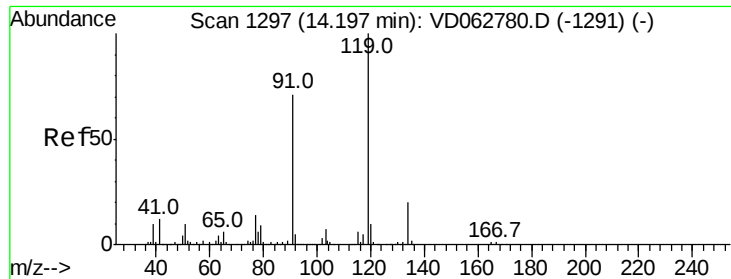
Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Tgt Ion:	91	Resp:	1279907
Ion	Ratio	Lower	Upper
91	100		
126	27.1	16.0	47.9





#83

tert-Butylbenzene

Concen: 46.773 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062905.D

Acq: 26 Jun 2019 5:46

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion:119 Resp: 1354049

Ion Ratio Lower Upper

119 100

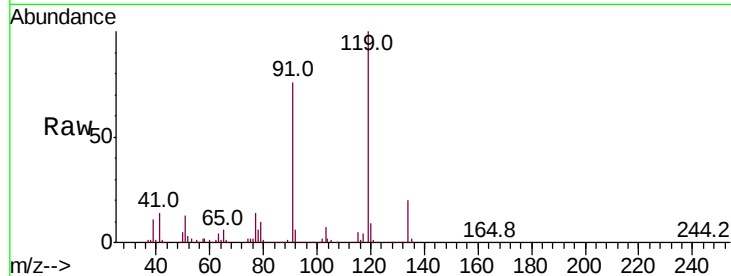
91 76.4 35.5 106.5

134 19.8 10.2 30.6

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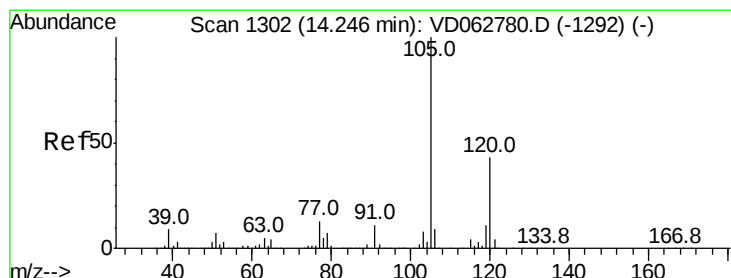
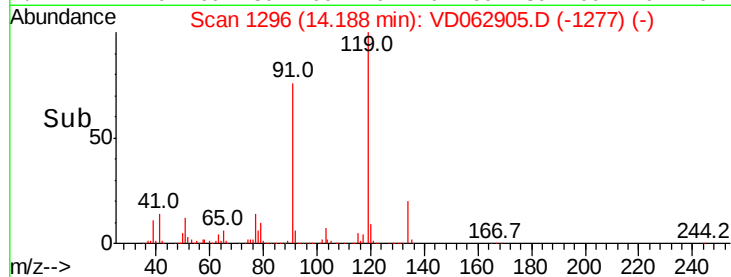
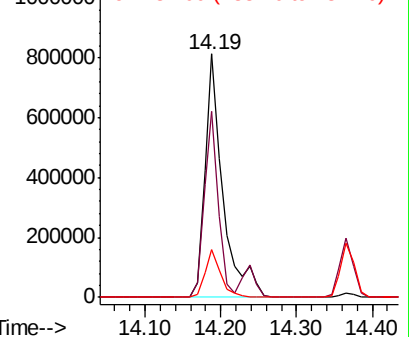
6/27/2019 12:44:52 AM



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: 45.409 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062905.D

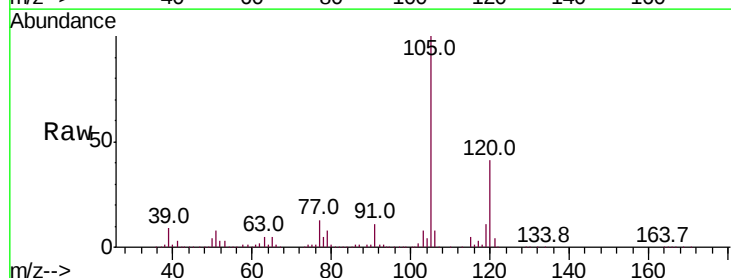
Acq: 26 Jun 2019 5:46

Tgt Ion:105 Resp: 1208772

Ion Ratio Lower Upper

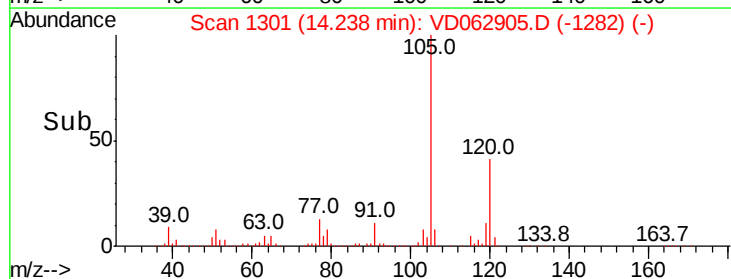
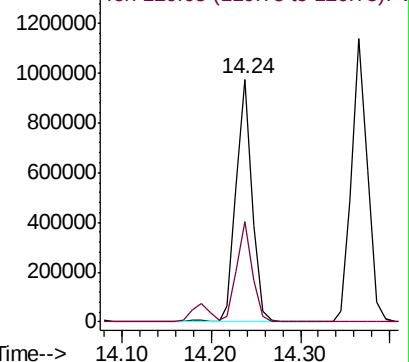
105 100

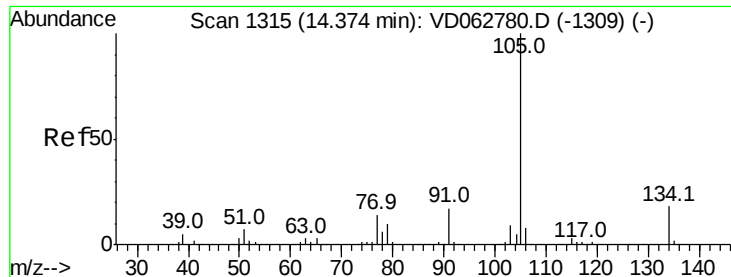
120 41.3 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





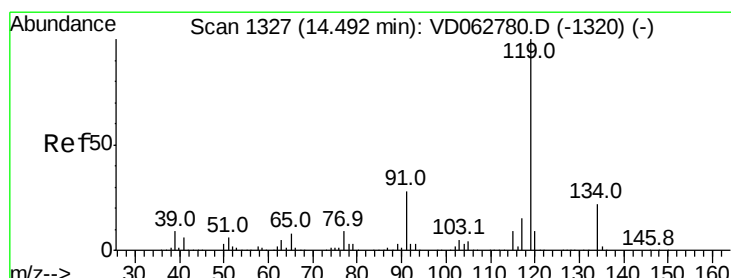
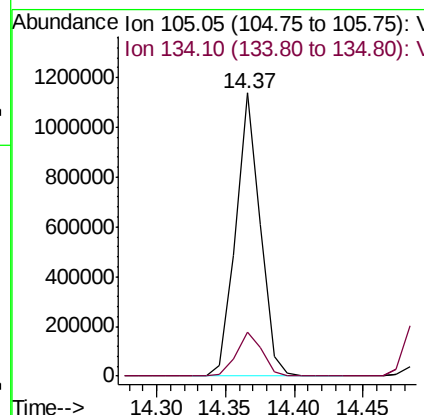
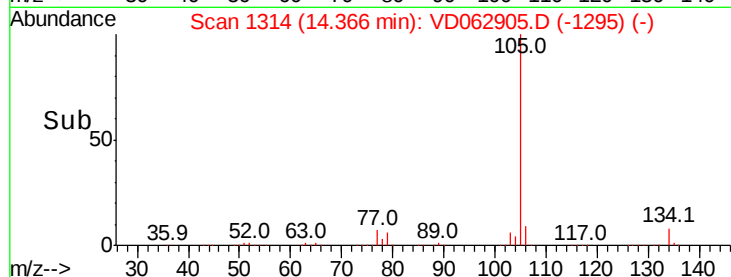
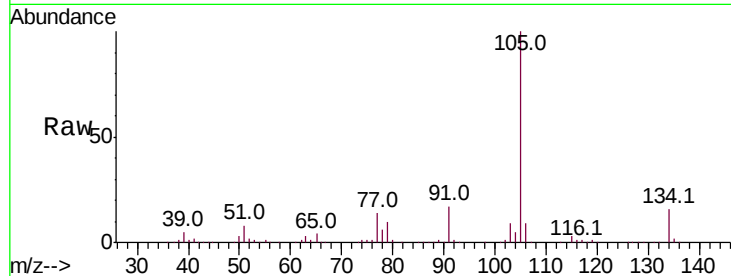
#85
 sec-Butylbenzene
 Concen: 44.491 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1399860
 Ion Ratio Lower Upper
 105 100
 134 15.7 9.1 27.3

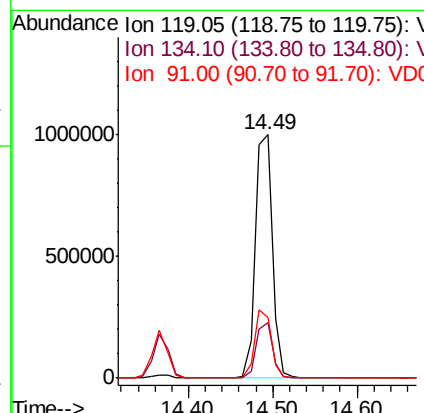
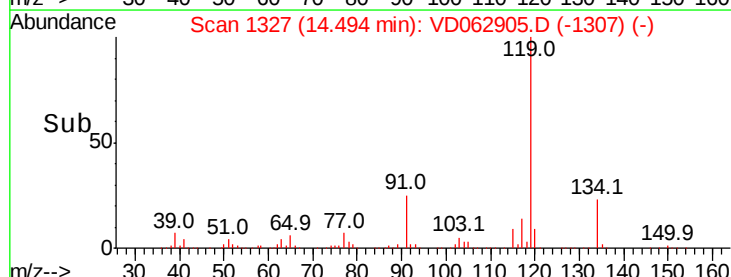
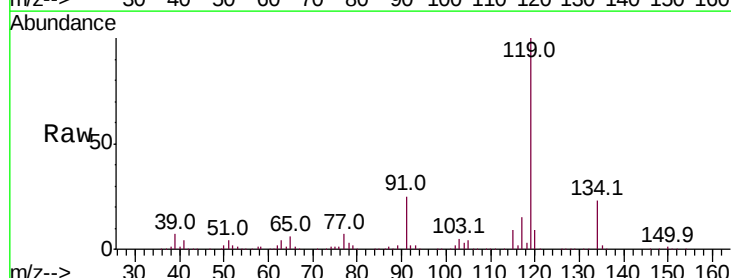
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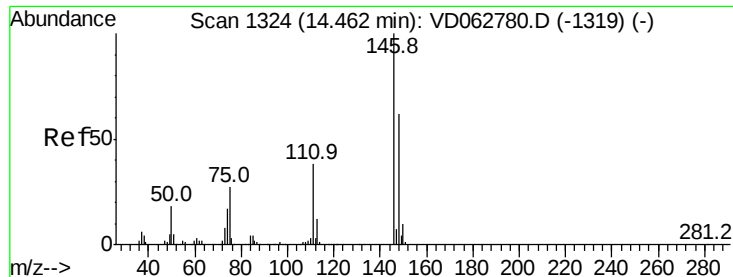
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#86
 p-Isopropyltoluene
 Concen: 49.249 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion:119 Resp: 1417624
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.1 33.1
 91 24.9 14.0 41.9





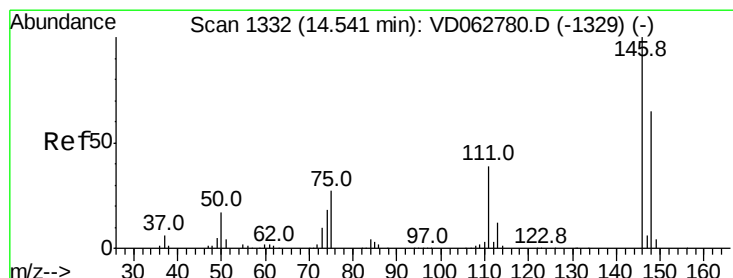
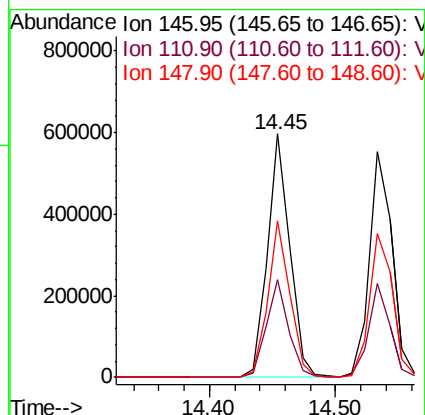
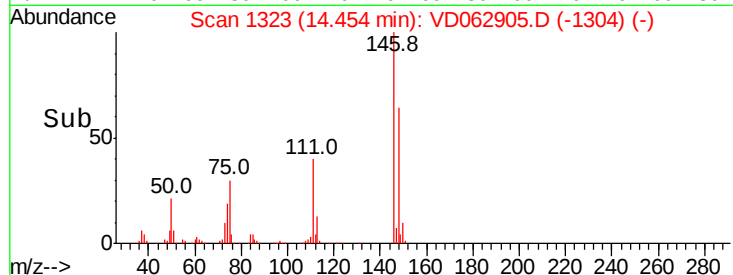
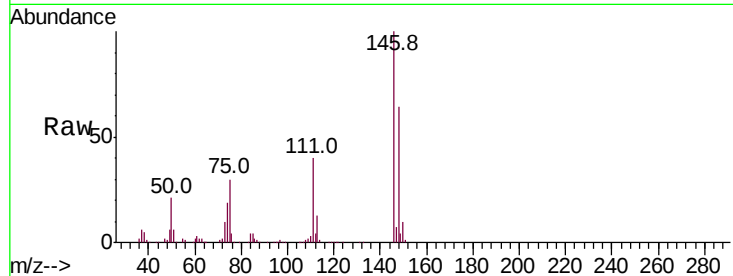
#87
 1,3-Dichlorobenzene
 Concen: 49.420 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.0	57.0
148	64.1	30.8	92.3

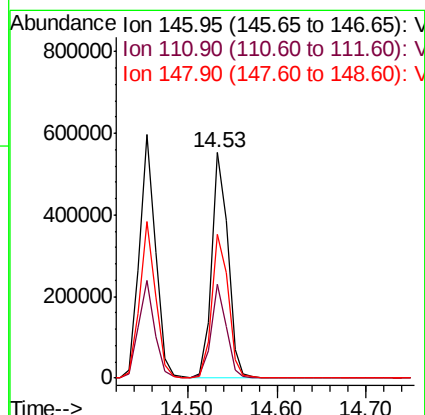
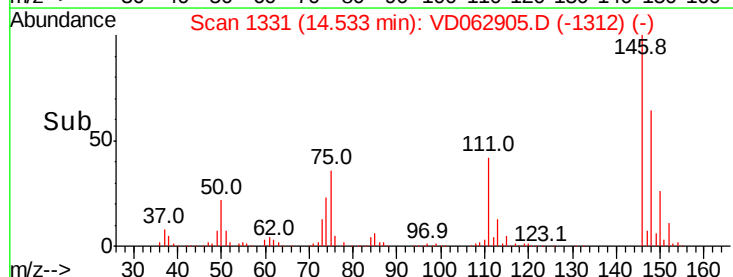
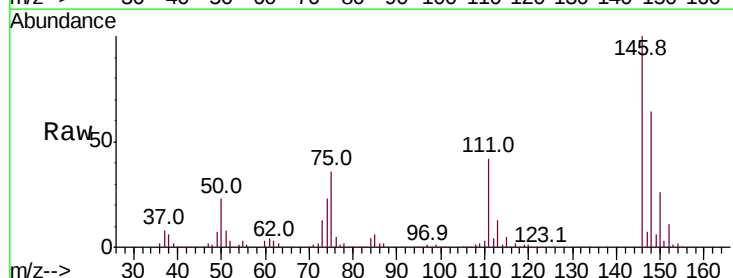
Manual Integrations
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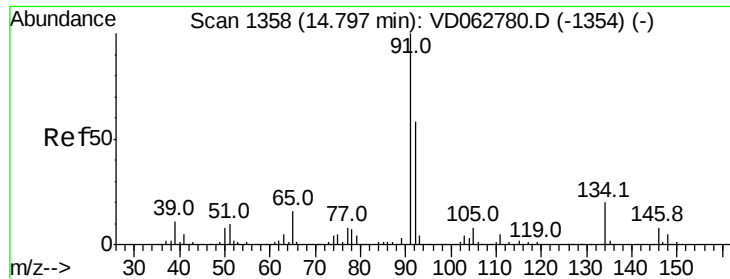
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.636 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.7	59.1
148	63.9	32.8	98.3





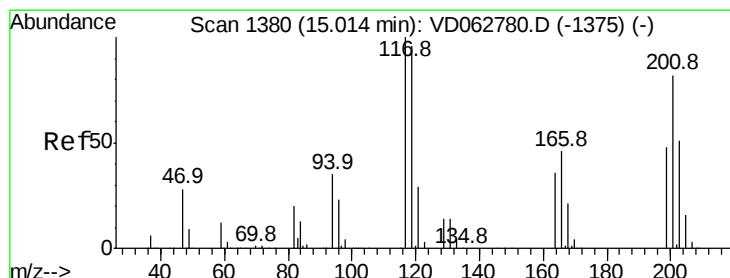
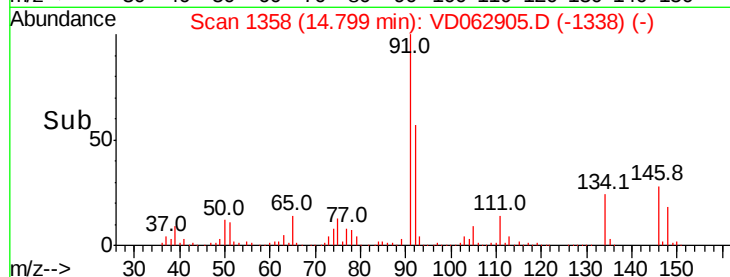
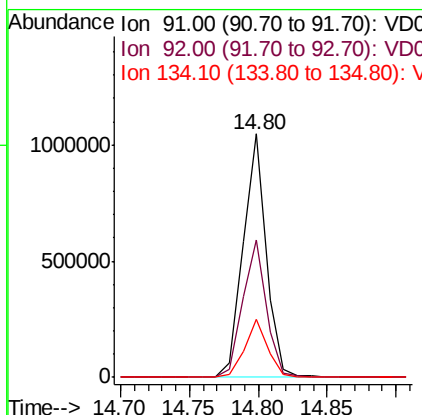
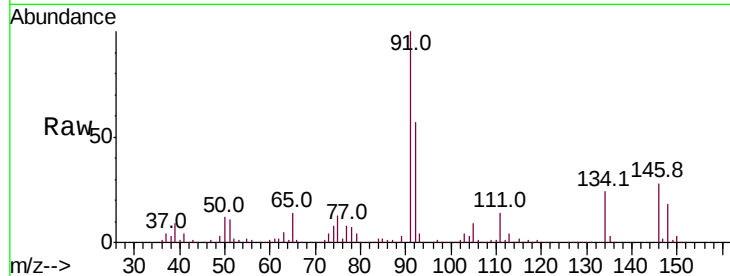
#89
n-Butylbenzene
Concen: 45.792 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.7	28.9	86.7
134	23.7	10.1	30.3

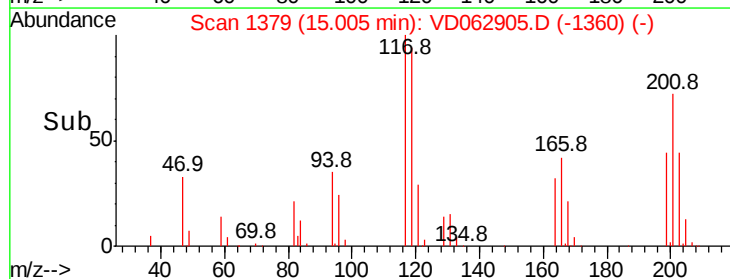
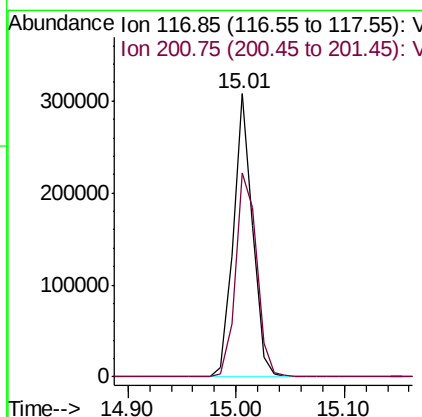
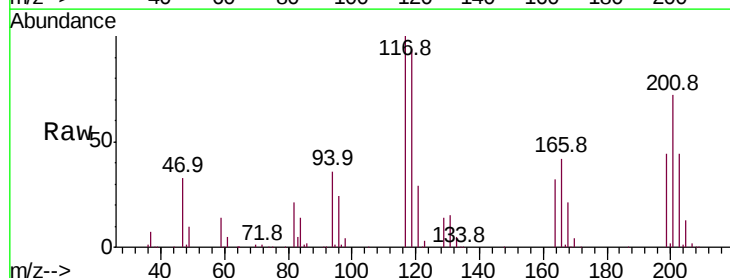
Manual Integrations
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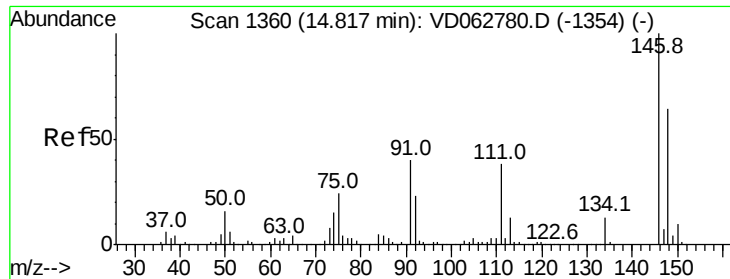
MMDadoda
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#90
Hexachloroethane
Concen: 49.001 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	40.8	122.2





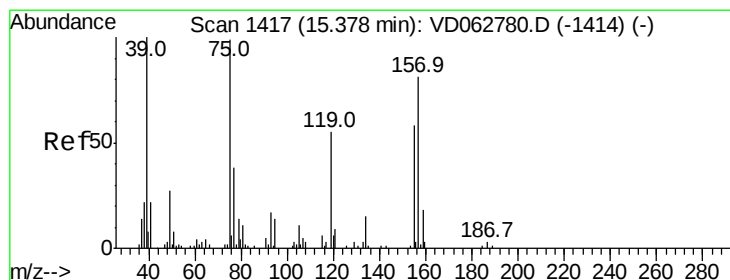
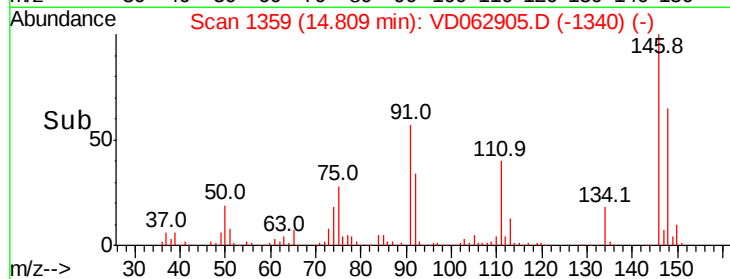
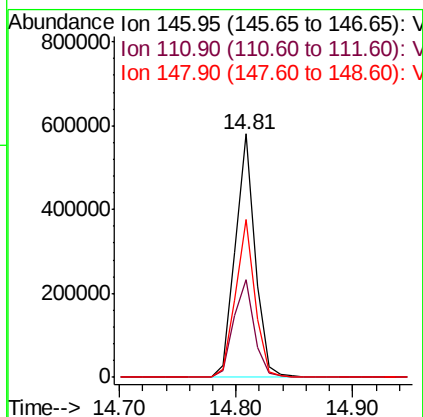
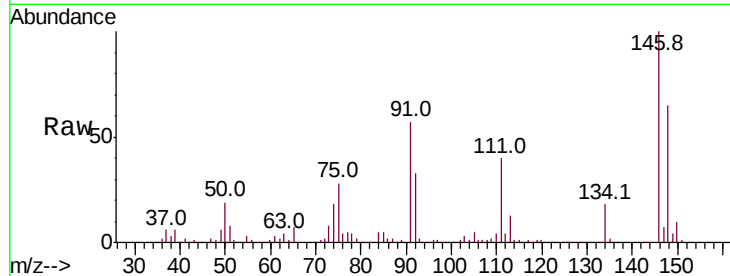
#91
 1,2-Dichlorobenzene
 Concen: 53.797 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.1
148	64.8	32.3	96.8

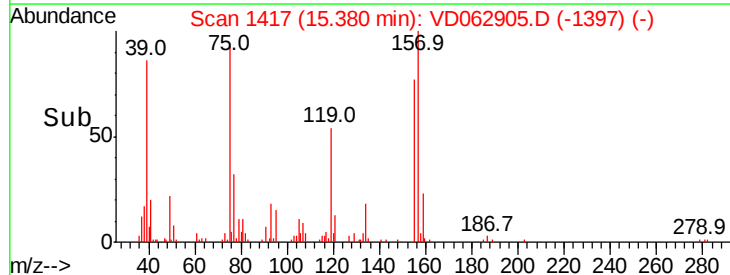
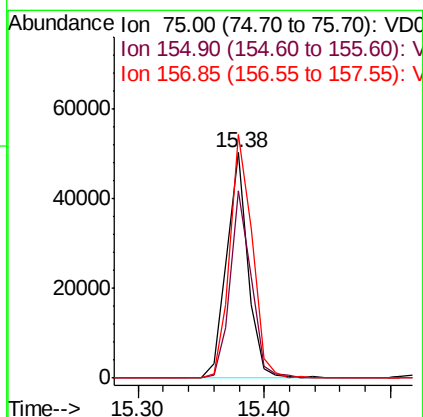
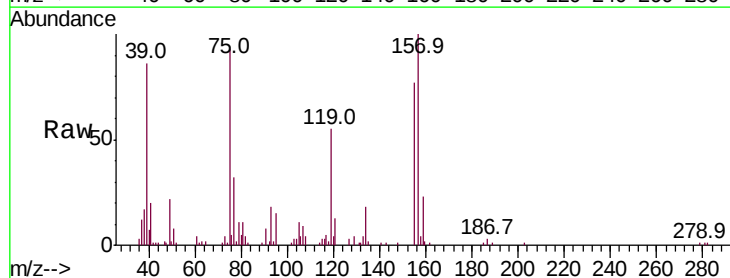
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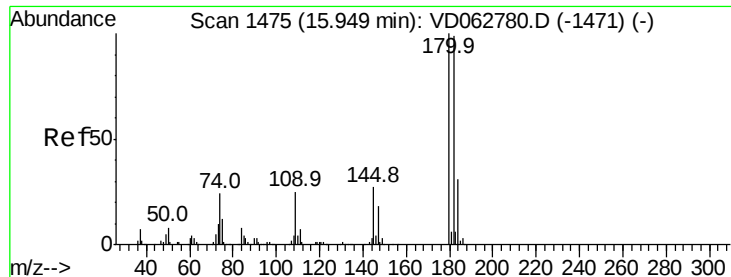
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.369 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	29.3	87.8
157	108.0	41.3	123.7





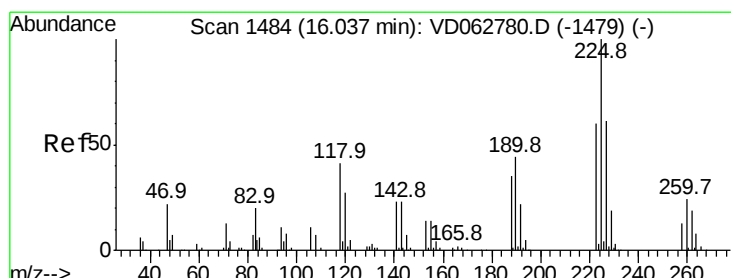
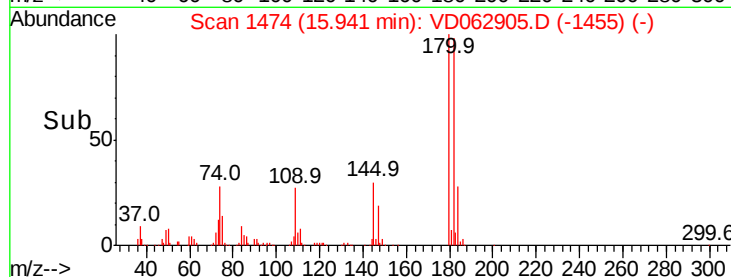
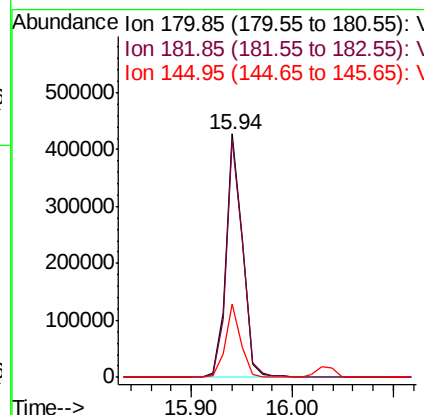
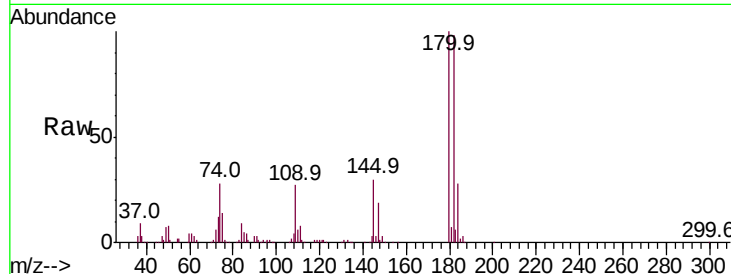
#93
 1,2,4-Trichlorobenzene
 Concen: 49.366 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.9	49.5	148.5	
145	30.4	13.7	41.0	

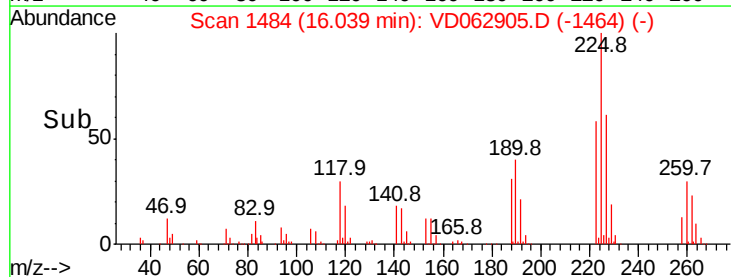
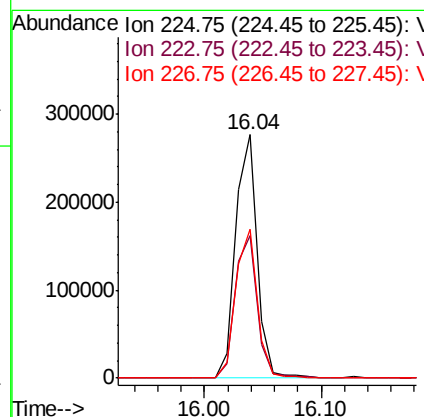
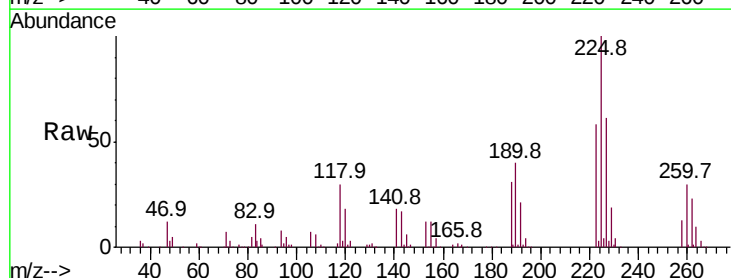
Manual Integrations
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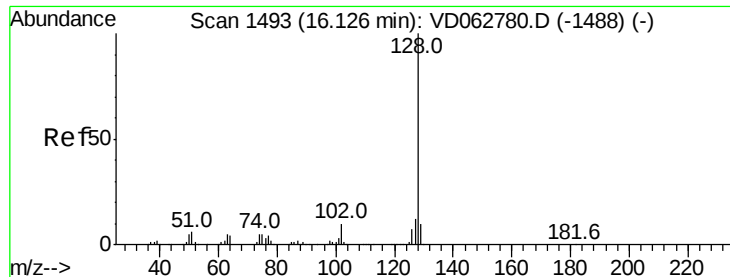
MMDadoda
 6/27/2019 12:44:52 AM



#94
 Hexachlorobutadiene
 Concen: 46.628 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062905.D
 Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	58.3	29.8	89.5	
227	61.2	30.6	91.6	





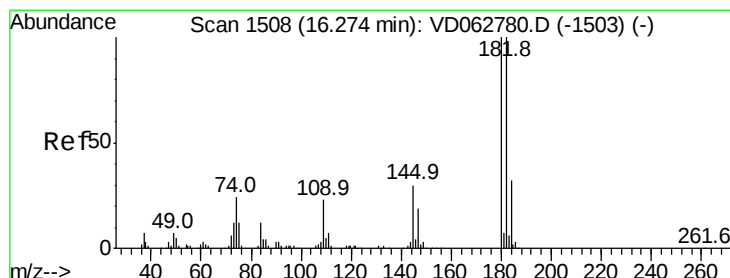
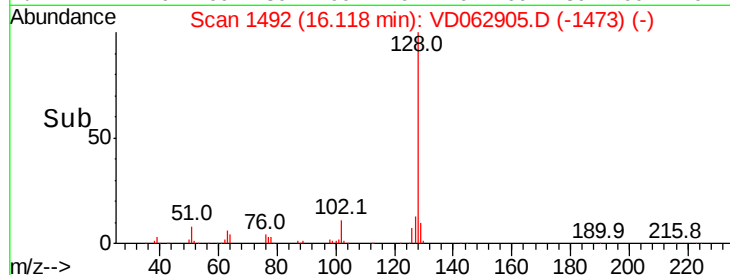
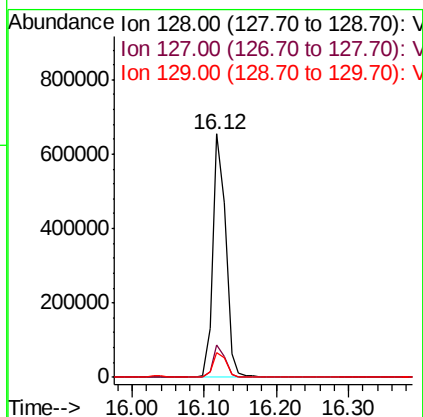
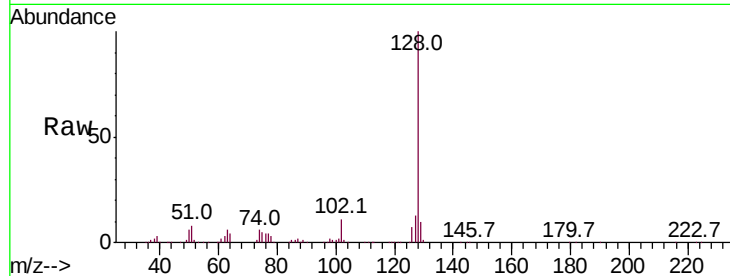
#95
Naphthalene
Concen: 57.635 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	804879		
127	13.1		9.7	14.5
129	10.1		8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.843 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062905.D
Acq: 26 Jun 2019 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	389228		
182	94.8		49.9	149.6
145	29.4		15.2	45.5

