

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063000.D
 Acq On : 2 Jul 2019 10:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:36:45 AM

Quant Time: Jul 03 01:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	914126	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1322799	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1105588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	569899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	487787	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	6.93	113	528013	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	10.42	98	1169169	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	13.56	95	533523	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	553062	46.754	ug/l	97
3) Chloromethane	1.76	50	400128	44.977	ug/l	96
4) Vinyl Chloride	1.85	62	429807	48.728	ug/l	99
5) Bromomethane	2.16	94	221793	53.692	ug/l	97
6) Chloroethane	2.28	64	216577	54.234	ug/l	96
7) Trichlorofluoromethane	2.54	101	987378	55.312	ug/l	99
8) Diethyl Ether	2.88	74	123236	54.334	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	515309	53.285	ug/l	98
10) Methyl Iodide	3.31	142	642939	50.392	ug/l	96
11) Tert butyl alcohol	4.10	59	121545	268.578	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	381626	52.603	ug/l	91
13) Acrolein	3.04	56	107077	231.768	ug/l	94
14) Allyl chloride	3.63	41	563841	52.599	ug/l	97
15) Acrylonitrile	4.21	53	296874	279.182	ug/l	95
16) Acetone	3.23	43	587063	292.534	ug/l	98
17) Carbon Disulfide	3.38	76	1066324	45.990	ug/l	97
18) Methyl Acetate	3.66	43	161229	53.751	ug/l	92
19) Methyl tert-butyl Ether	4.26	73	870656	55.437	ug/l	100
20) Methylene Chloride	3.82	84	402764	53.150	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	420775	54.471	ug/l	99
22) Diisopropyl ether	5.14	45	1191168	54.640	ug/l	91
23) Vinyl Acetate	5.07	43	3846836	281.998	ug/l	99
24) 1,1-Dichloroethane	4.99	63	783059	55.170	ug/l	100
25) 2-Butanone	6.09	43	564462	303.734	ug/l	98
26) 2,2-Dichloropropane	6.04	77	830127	55.178	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	442553	54.176	ug/l	93
28) Bromochloromethane	6.45	49	288083	57.628	ug/l	93
29) Tetrahydrofuran	6.47	42	251043	285.508	ug/l	98
30) Chloroform	6.68	83	957950	55.496	ug/l	97
31) Cyclohexane	6.97	56	486914	52.183	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	991165	55.128	ug/l	92
36) 1,1-Dichloropropene	7.16	75	611083	48.800	ug/l	96
37) Ethyl Acetate	6.20	43	242297	45.974	ug/l	96
38) Carbon Tetrachloride	7.12	117	968015m	51.400	ug/l	

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	537212	48.738	ug/l	95
40) Benzene	7.46	78	1271509	50.586	ug/l	96
41) Methacrylonitrile	6.47	41	344035	52.097	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	701937	51.191	ug/l	98
43) Isopropyl Acetate	9.25	43	344464	52.470	ug/l #	98
44) Trichloroethene	8.55	130	521275	52.898	ug/l	96
45) 1,2-Dichloropropane	8.95	63	318052	50.887	ug/l	99
46) Dibromomethane	9.07	93	280161	52.181	ug/l	98
47) Bromodichloromethane	9.38	83	740887	53.134	ug/l	97
48) Methyl methacrylate	9.13	41	229865	49.272	ug/l	96
49) 1,4-Dioxane	9.10	88	40386	1040.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1273537	273.614	ug/l	98
52) Toluene	10.52	92	849789	50.294	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	628787	55.095	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	655015	52.803	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	308860	53.206	ug/l	92
56) Ethyl methacrylate	11.05	69	322142	51.928	ug/l	93
57) 1,3-Dichloropropane	11.42	76	465647	52.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	847889	266.224	ug/l	98
59) 2-Hexanone	11.54	43	930389	280.670	ug/l	97
60) Dibromochloromethane	11.70	129	584099	54.021	ug/l	95
61) 1,2-Dibromoethane	11.82	107	378060	55.144	ug/l	98
64) Tetrachloroethene	11.26	164	443805	48.774	ug/l	95
65) Chlorobenzene	12.41	112	1111772	54.184	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	524753	54.687	ug/l	94
67) Ethyl Benzene	12.52	91	1949388	52.917	ug/l	97
68) m/p-Xylenes	12.67	106	1388049	108.183	ug/l	95
69) o-Xylene	13.06	106	626543	53.418	ug/l	96
70) Styrene	13.08	104	1095966	53.198	ug/l	96
71) Bromoform	13.24	173	360834	54.885	ug/l	97
73) Isopropylbenzene	13.41	105	1946881	53.280	ug/l	97
74) N-amyl acetate	13.27	43	550513	62.038	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	363588	61.069	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	380342	57.811	ug/l	99
77) Bromobenzene	13.68	156	550072	55.967	ug/l	96
78) n-propylbenzene	13.78	91	2300006	54.079	ug/l	96
79) 2-Chlorotoluene	13.84	91	1379268	56.748	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1681289	54.778	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	108163	62.730	ug/l	95
82) 4-Chlorotoluene	13.95	91	1632920	55.805	ug/l	100
83) tert-Butylbenzene	14.19	119	1913759	55.938	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1736489	55.199	ug/l	97
85) sec-Butylbenzene	14.38	105	2086209	56.105	ug/l	100
86) p-Isopropyltoluene	14.49	119	1810208	53.214	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1032916	58.628	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	928760	52.485	ug/l	96
89) n-Butylbenzene	14.80	91	1727431	54.255	ug/l	97
90) Hexachloroethane	15.02	117	538179	58.842	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	801416	53.166	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	61576	52.989	ug/l	89

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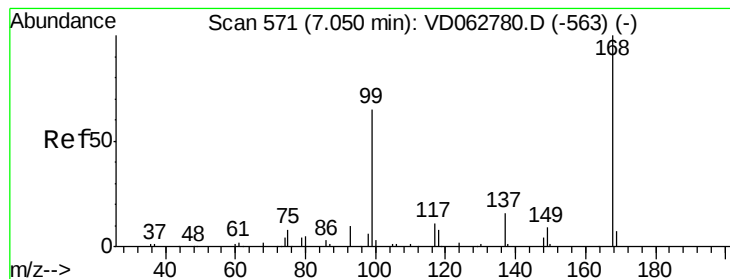
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	599834	50.941	ug/l	98
94) Hexachlorobutadiene	16.04	225	475649	52.876	ug/l	98
95) Naphthalene	16.13	128	897653	54.390	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	501752	55.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 914126

Ion Ratio Lower Upper

168 100

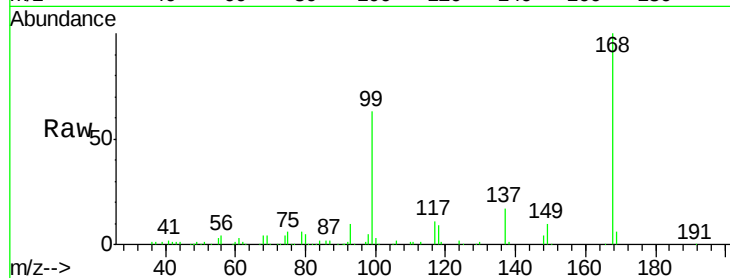
99 63.1 53.0 79.6

Manual Integrations

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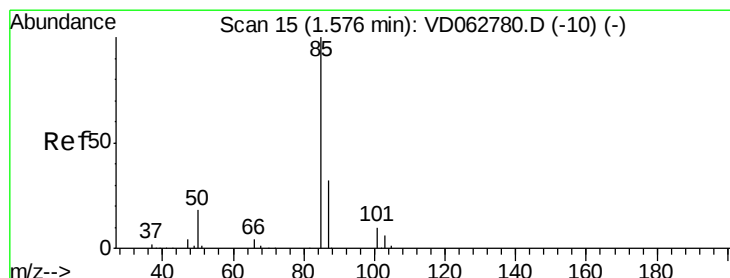
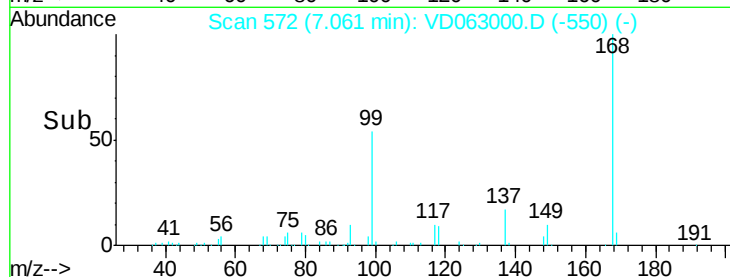
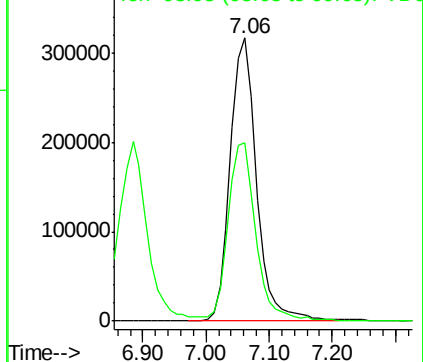
MMDadoda

7/3/2019 9:36:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.754 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063000.D

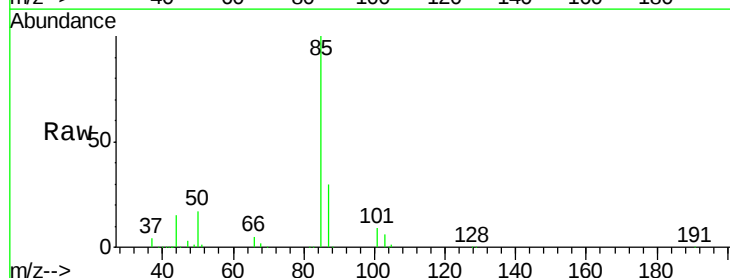
Acq: 2 Jul 2019 10:20

Tgt Ion: 85 Resp: 553062

Ion Ratio Lower Upper

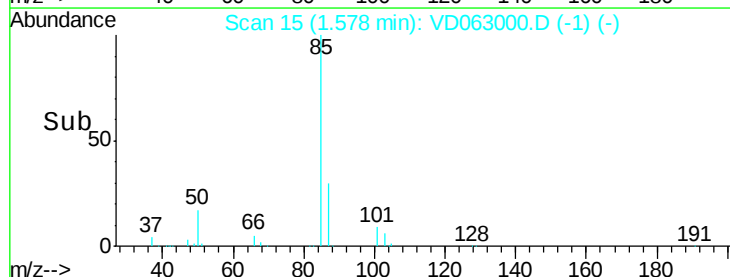
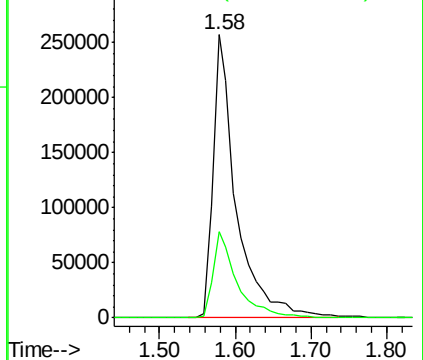
85 100

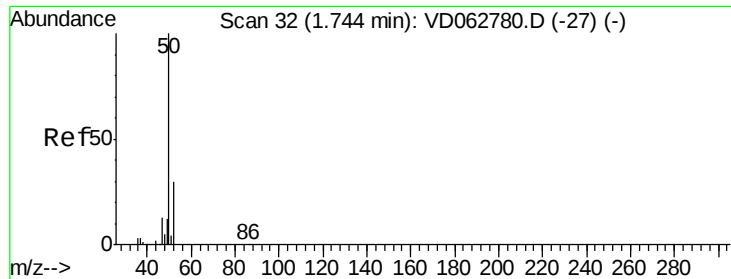
87 30.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.977 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 400128

Ion Ratio Lower Upper

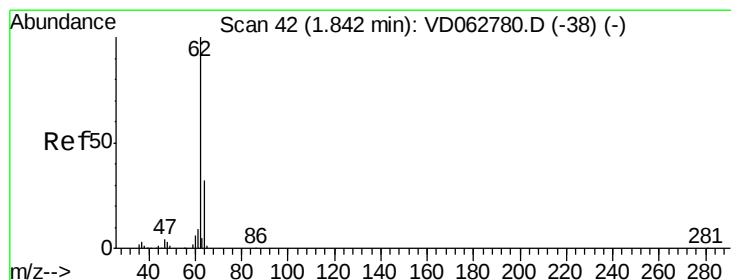
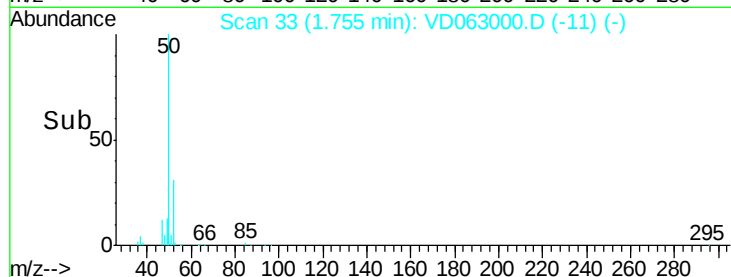
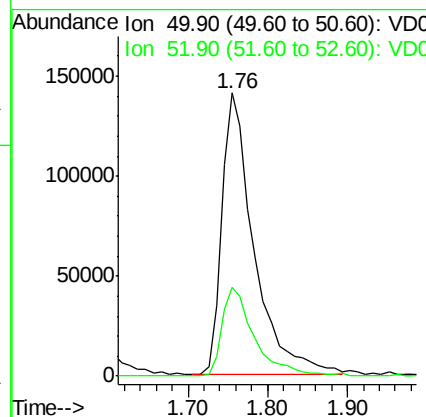
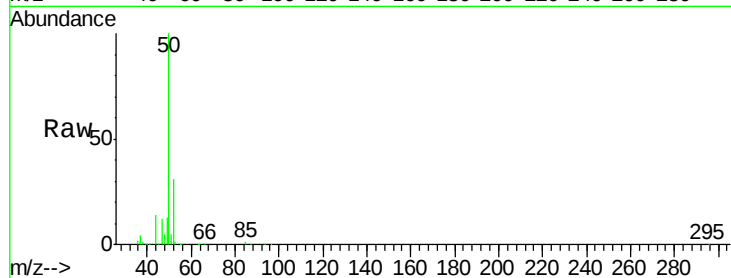
50 100

52 31.5 23.6 35.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.728 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063000.D

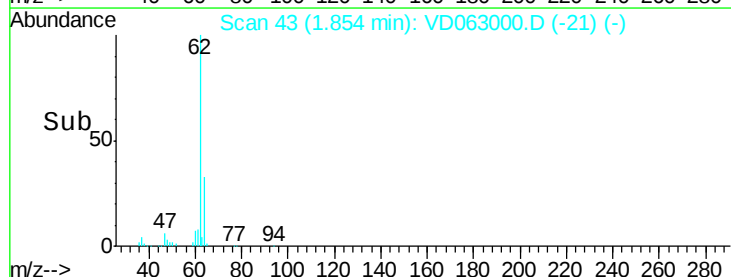
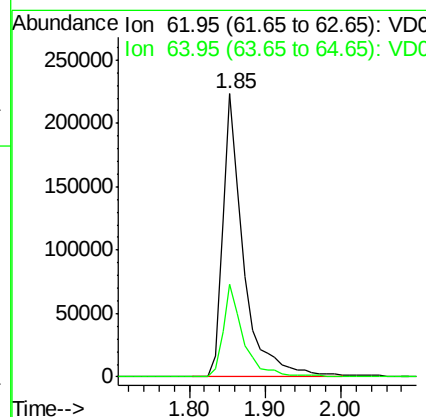
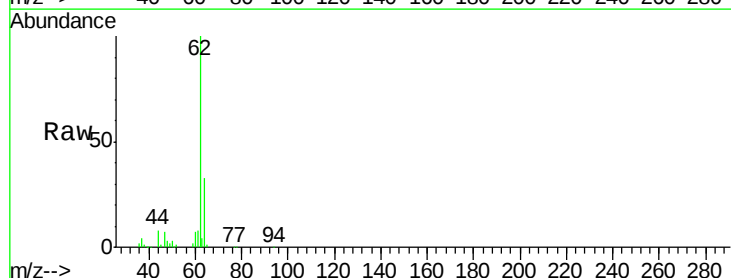
Acq: 2 Jul 2019 10:20

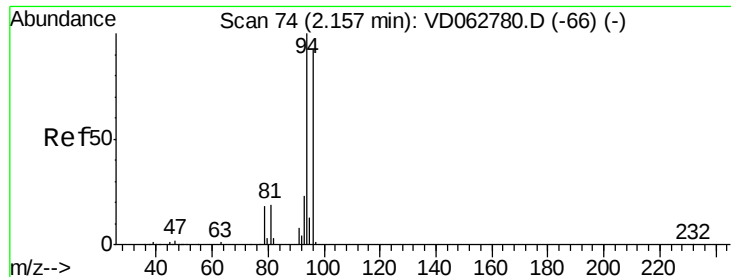
Tgt Ion: 62 Resp: 429807

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 53.692 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

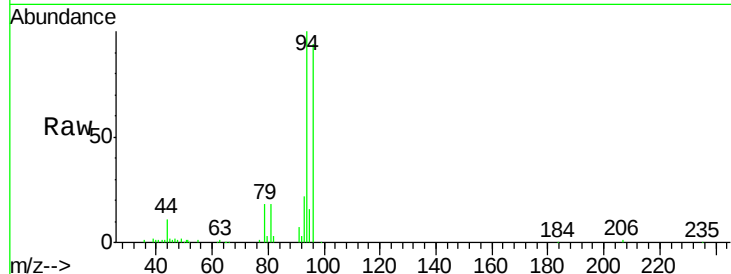
ClientSampleId :

VSTDCCC050

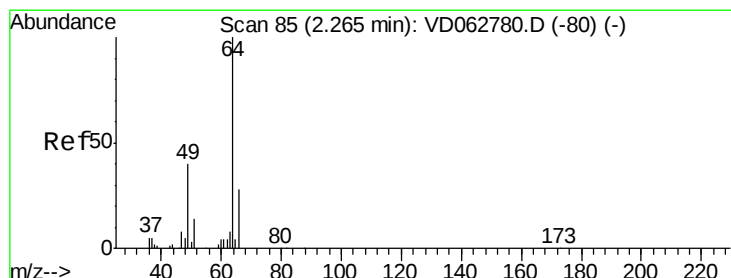
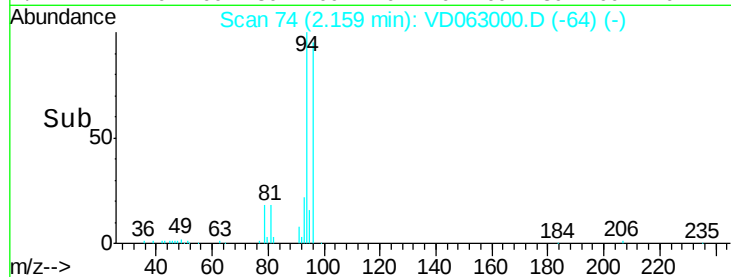
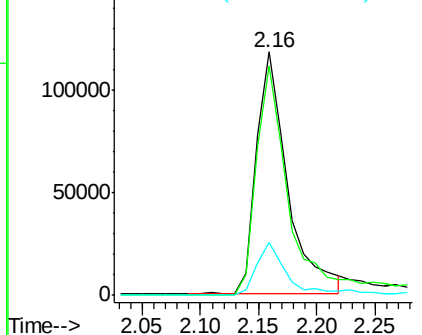
Tot Ion:	94	Resp:	221793
Ion	Ratio	Lower	Upper
94	100		
96	94.4	73.4	110.2
93	21.8	18.2	27.4

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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 54.234 ug/l

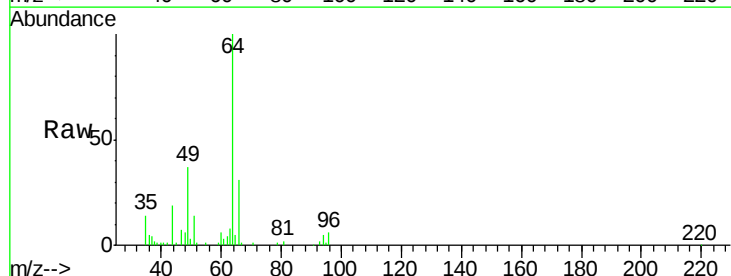
RT: 2.28 min Scan# 86

Delta R.T. 0.01 min

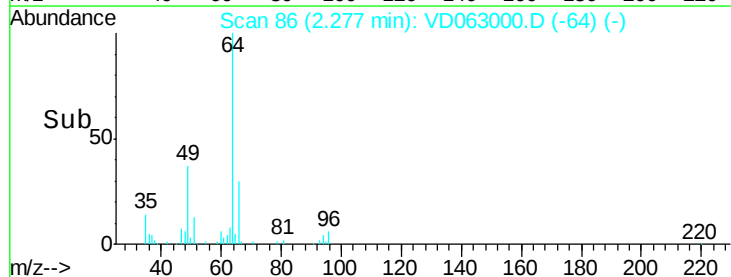
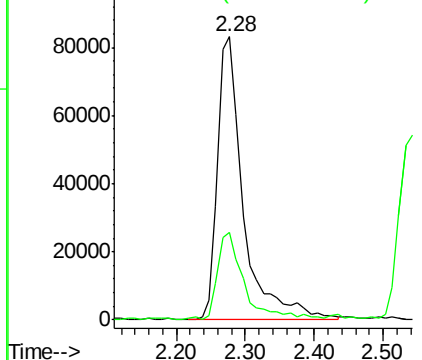
Lab File: VD063000.D

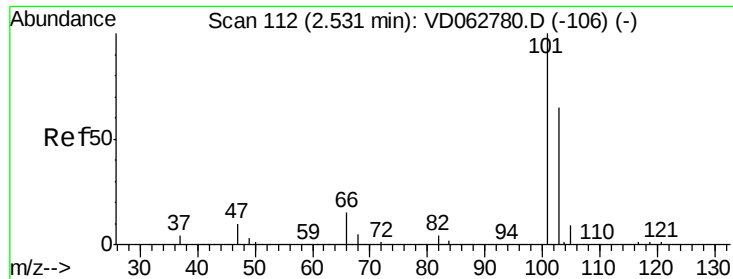
Acq: 2 Jul 2019 10:20

Tgt Ion:	64	Resp:	216577
Ion	Ratio	Lower	Upper
64	100		
66	30.9	23.0	34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

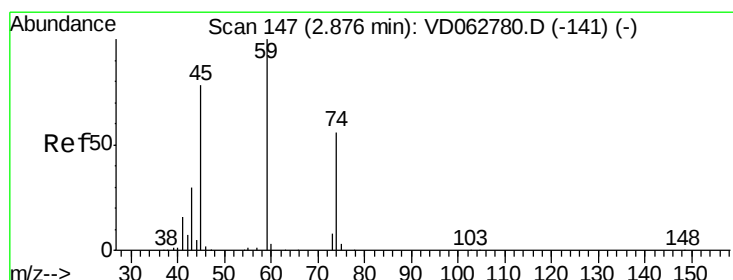
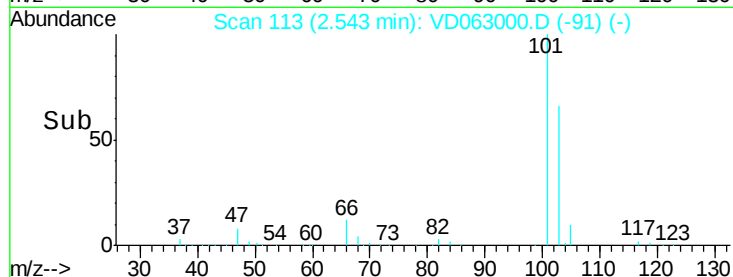
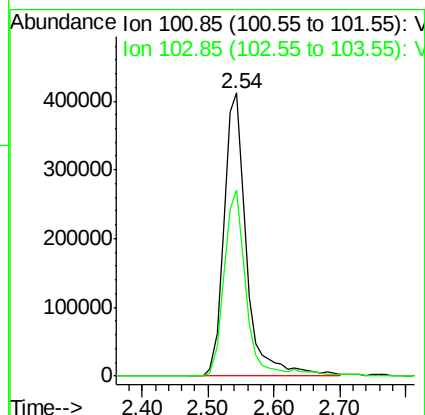
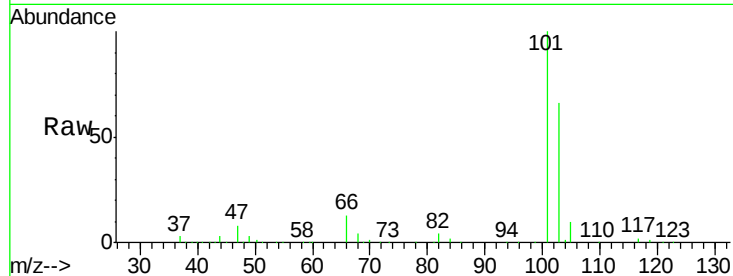
Trichlorofluoromethane
Concen: 55.312 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

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Tot Ion:101 Resp: 987378
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8

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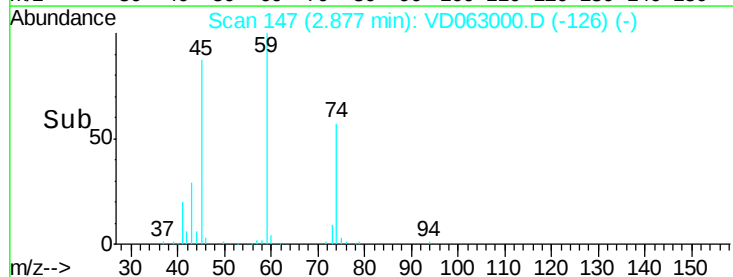
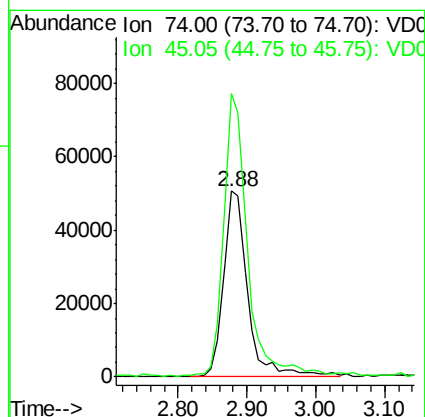
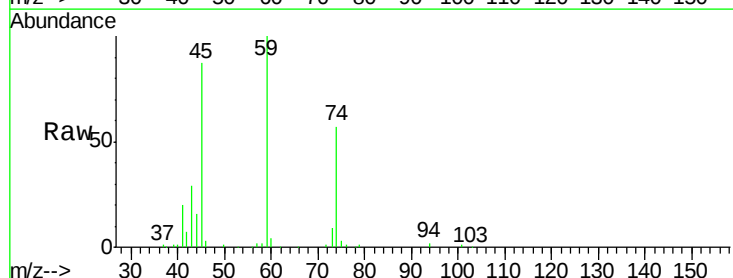
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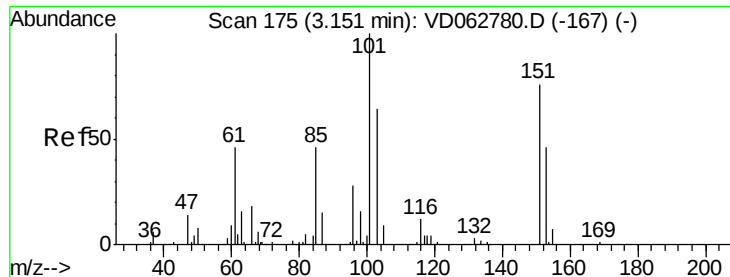


#8

Diethyl Ether
Concen: 54.334 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 74 Resp: 123236
Ion Ratio Lower Upper
74 100
45 152.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.285 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

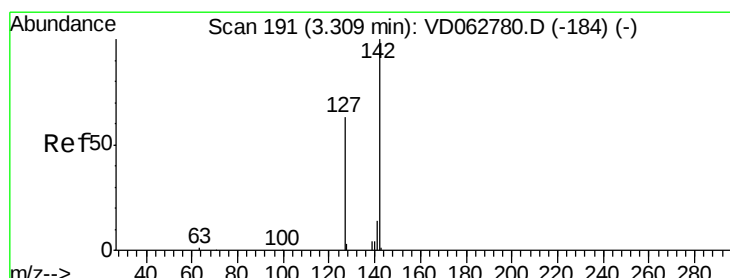
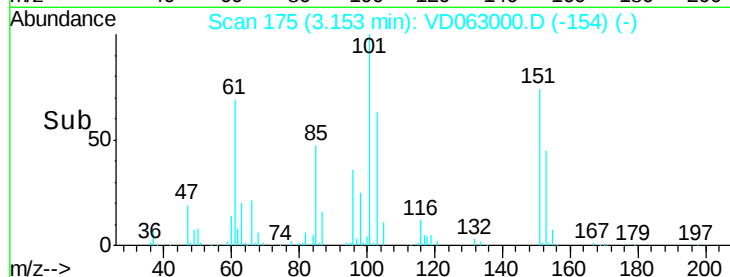
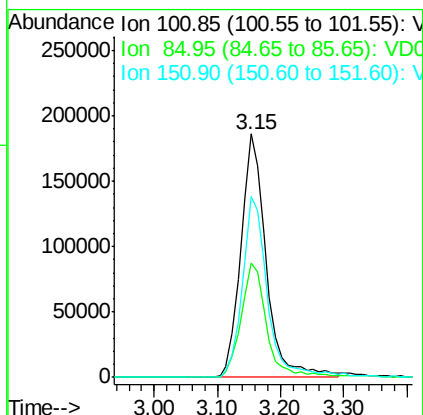
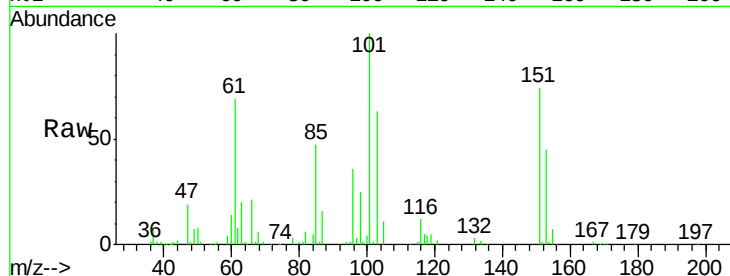
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	515309
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.0	55.4
151	74.1	60.5	90.7

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#10

Methyl Iodide

Concen: 50.392 ug/l

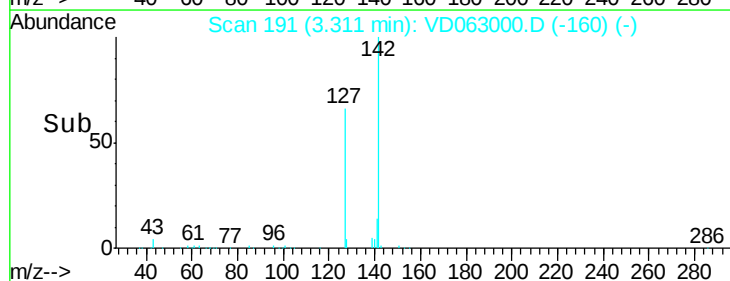
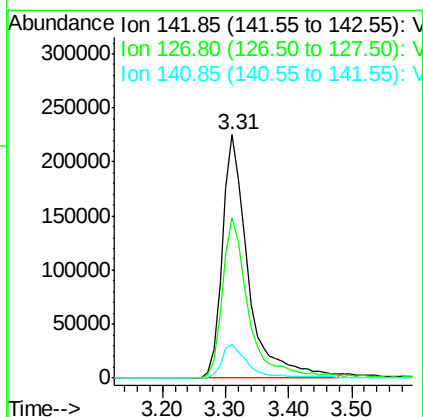
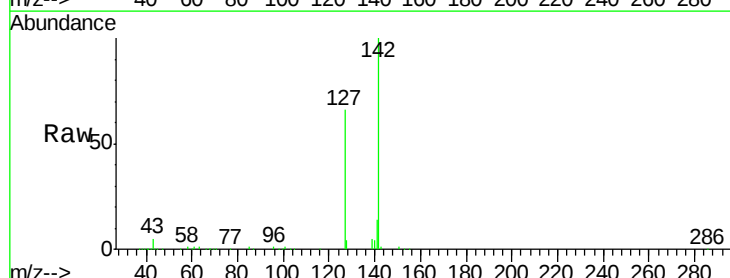
RT: 3.31 min Scan# 191

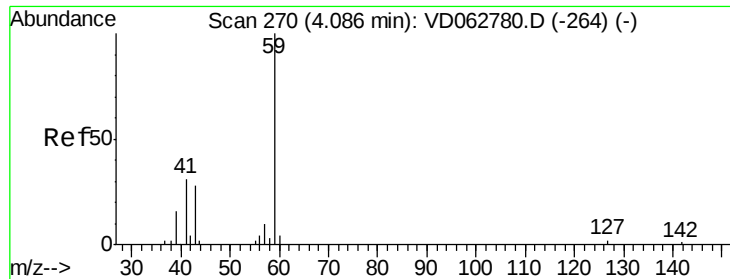
Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion:	142	Resp:	642939
Ion Ratio	Lower	Upper	
142	100		
127	65.9	50.1	75.1
141	14.1	11.0	16.4





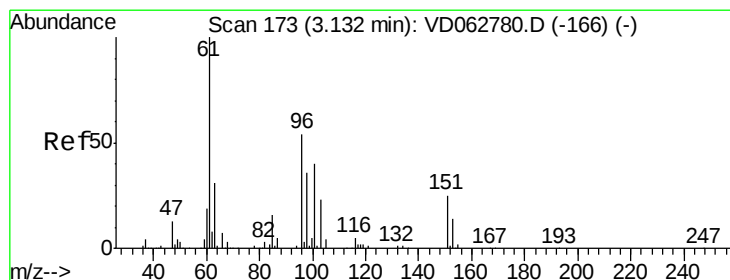
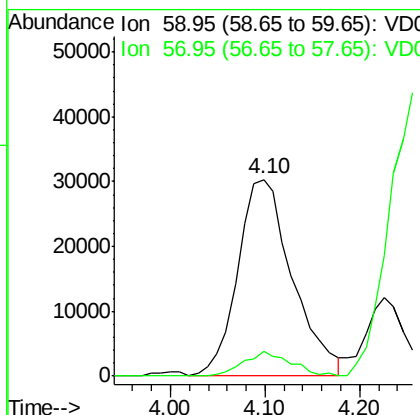
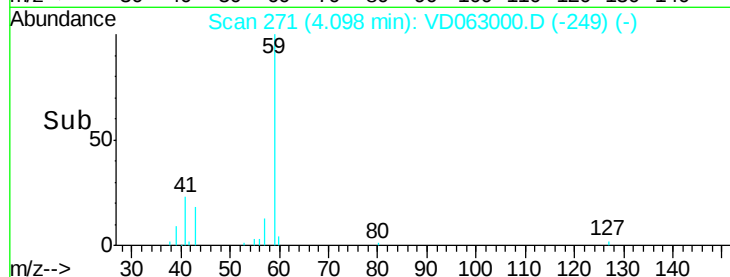
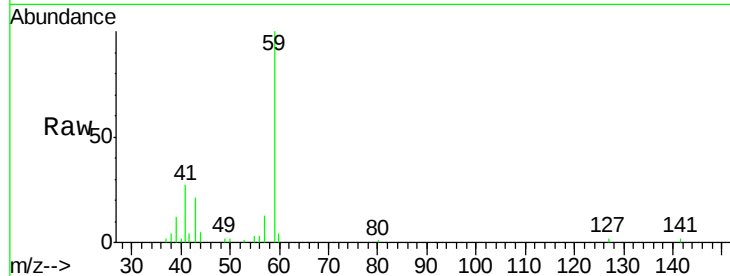
#11
Tert butyl alcohol
Concen: 268.578 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 121545
Ion Ratio Lower Upper
59 100
57 12.6 6.6 10.0#

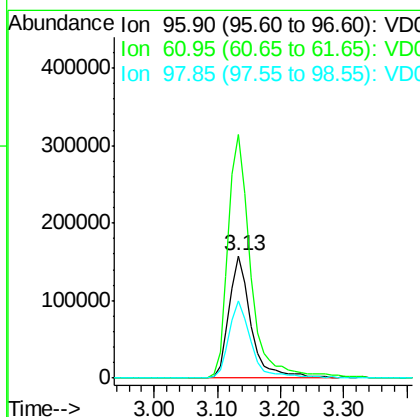
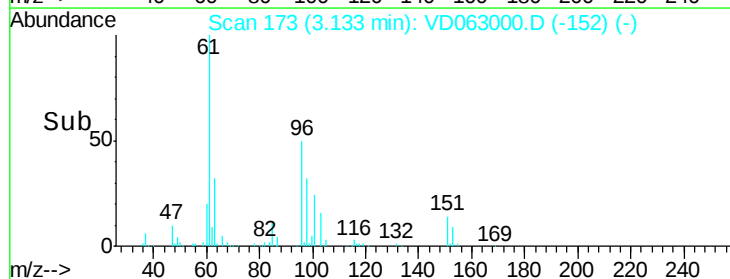
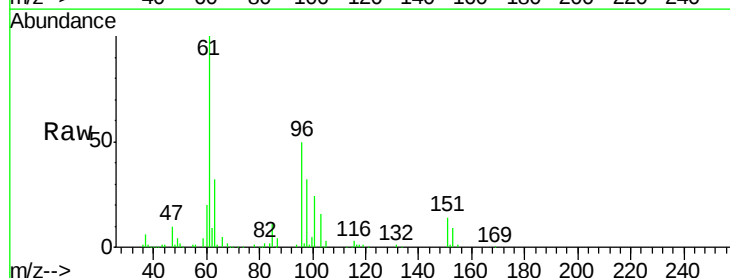
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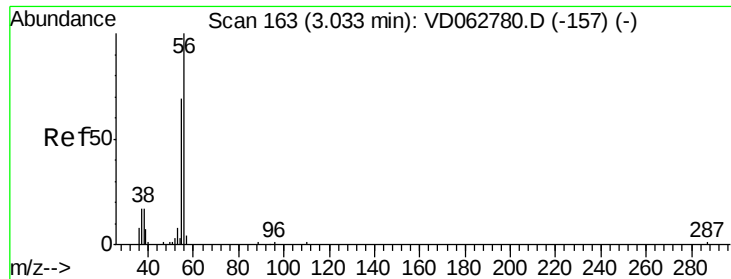
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.603 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 96 Resp: 381626
Ion Ratio Lower Upper
96 100
61 199.0 147.1 220.7
98 63.0 52.6 79.0





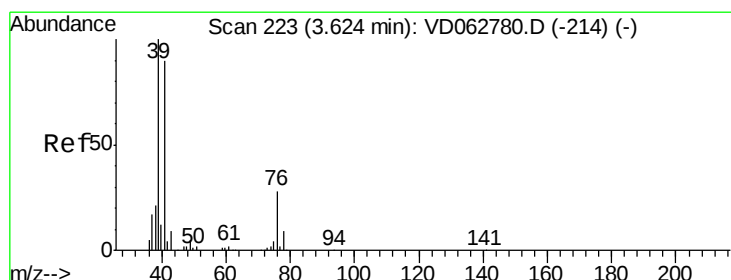
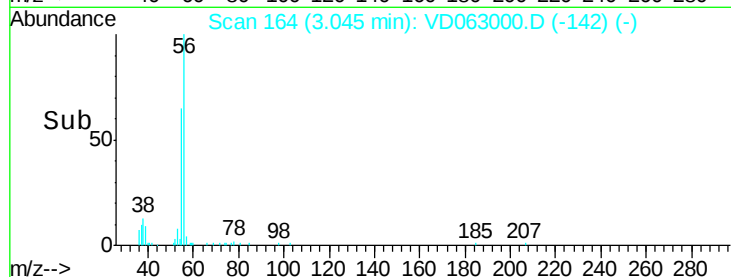
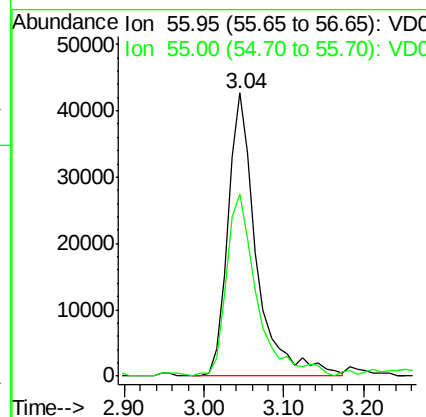
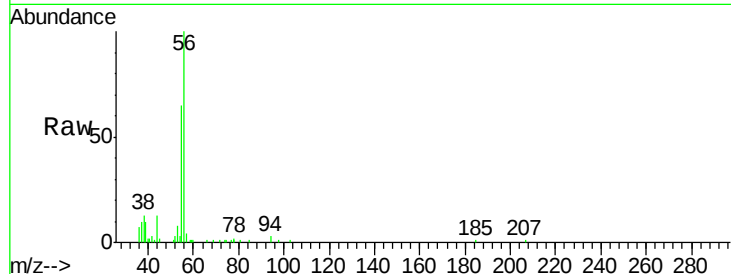
#13
Acrolein
Concen: 231.768 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	107077
Ion Ratio	Lower	Upper	
56	100		
55	64.6	55.4	83.0

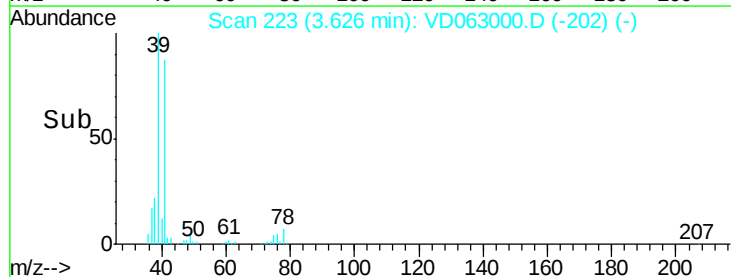
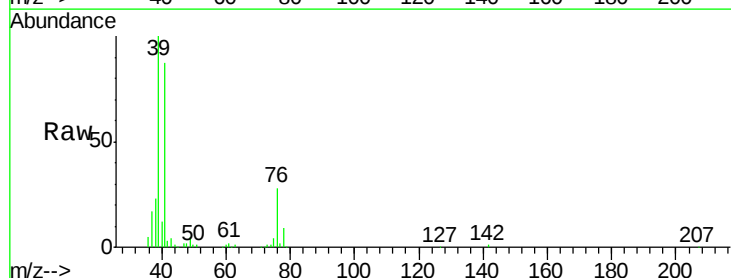
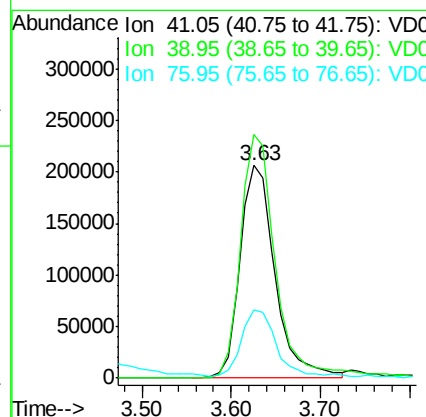
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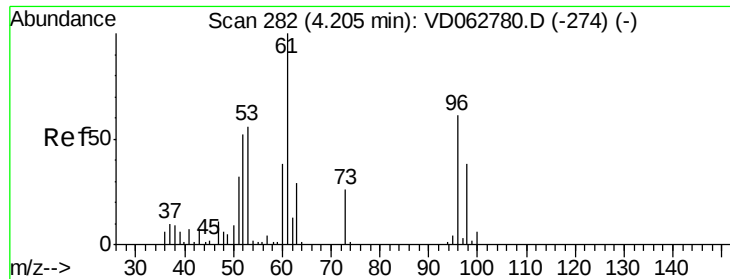
MMDadoda
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#14
Allyl chloride
Concen: 52.599 ug/l
RT: 3.63 min Scan# 223
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	41	Resp	563841
Ion Ratio	Lower	Upper	
41	100		
39	114.6	88.8	133.2
76	31.9	26.7	40.1





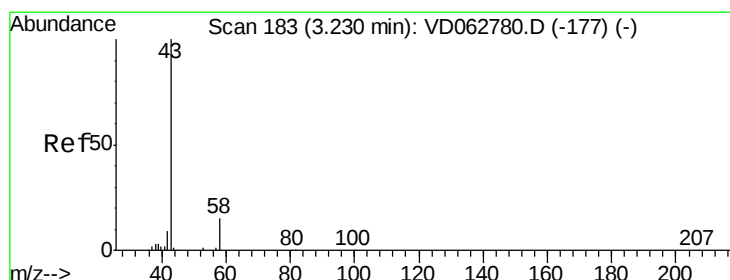
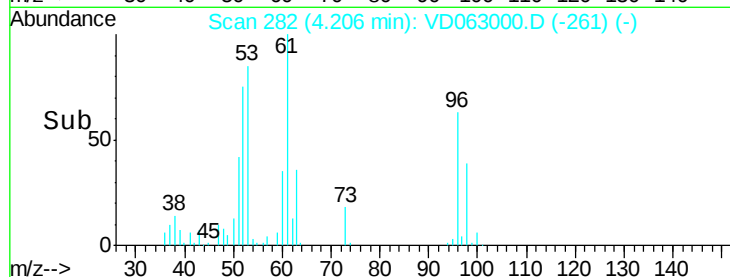
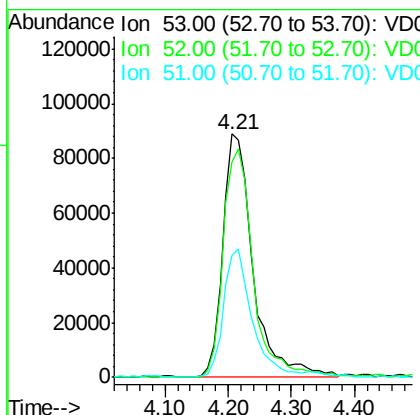
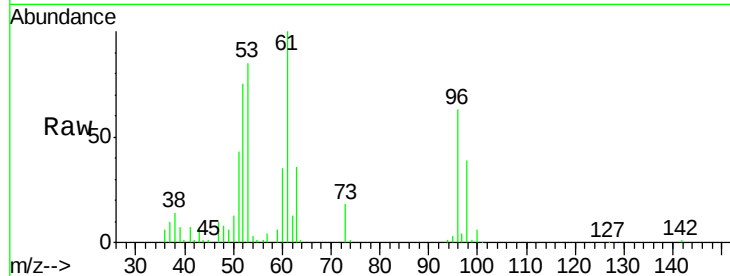
#15
 Acrylonitrile
 Concen: 279.182 ug/l
 RT: 4.21 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	296874
Ion Ratio	Lower	Upper	
53	100		
52	88.5	73.3	109.9
51	50.4	44.8	67.2

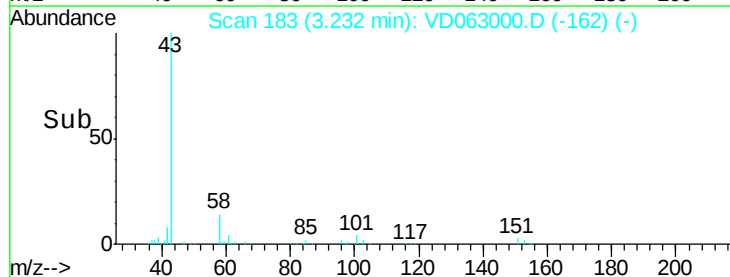
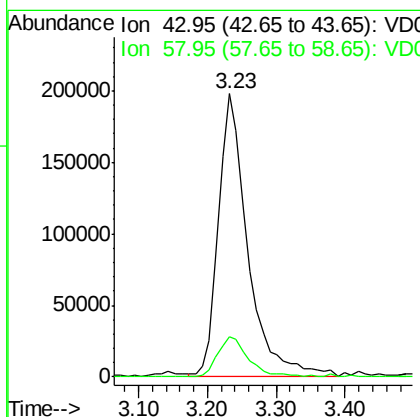
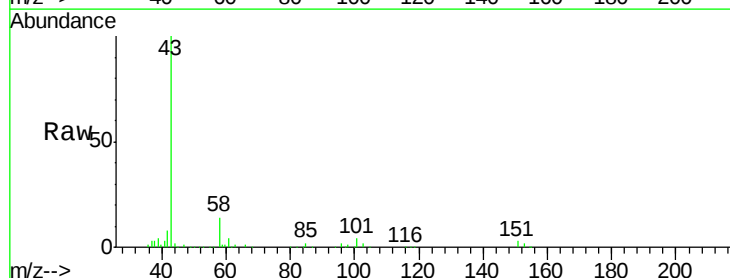
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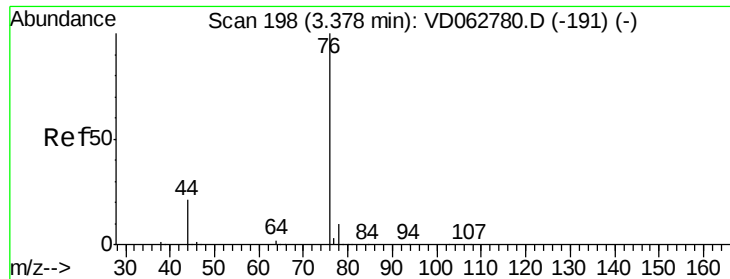
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#16
 Acetone
 Concen: 292.534 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	43	Resp	587063
Ion Ratio	Lower	Upper	
43	100		
58	14.2	11.9	17.9





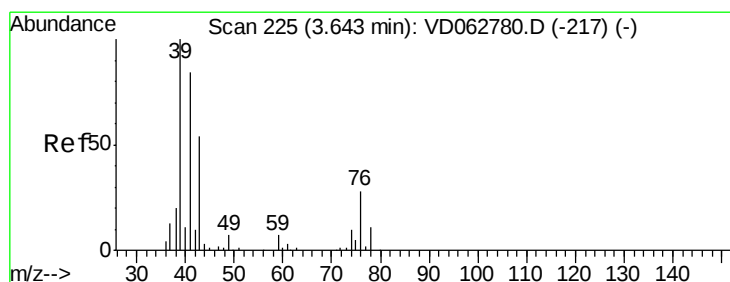
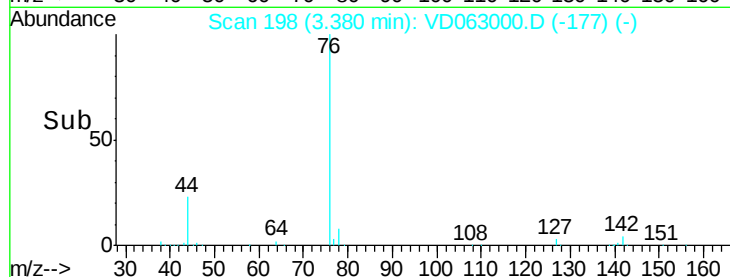
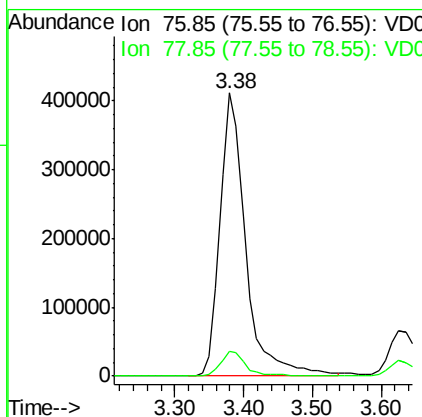
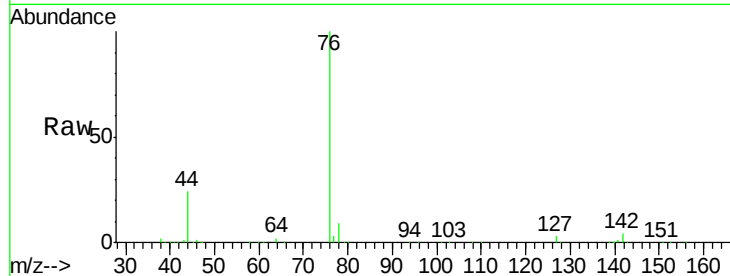
#17
Carbon Disulfide
Concen: 45.990 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1066324
Ion Ratio Lower Upper
76 100
78 8.7 8.0 12.0

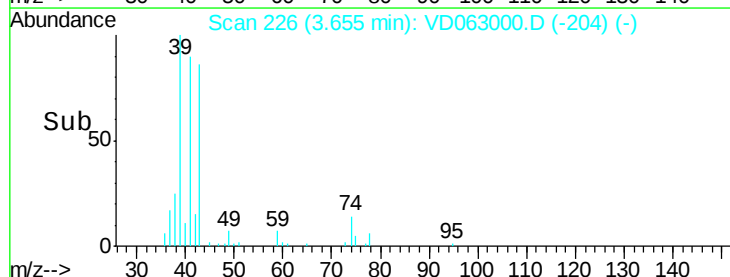
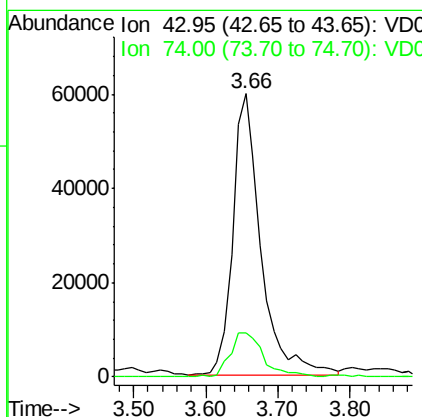
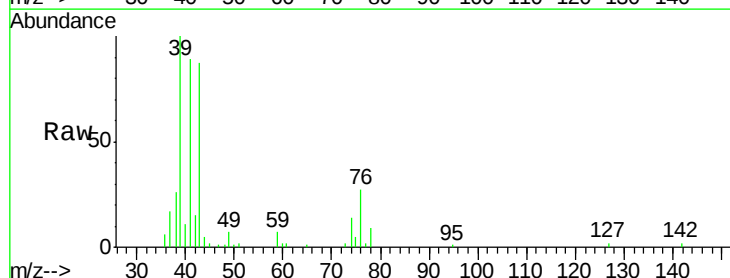
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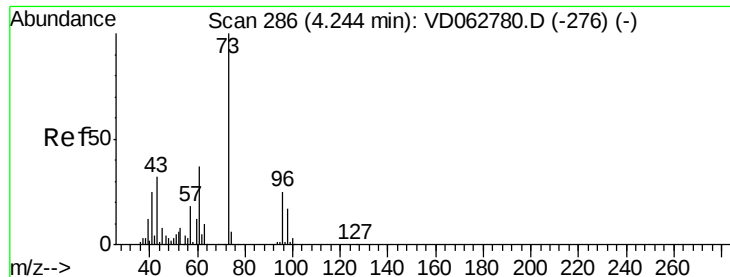
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#18
Methyl Acetate
Concen: 53.751 ug/l
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 43 Resp: 161229
Ion Ratio Lower Upper
43 100
74 15.6 15.2 22.8





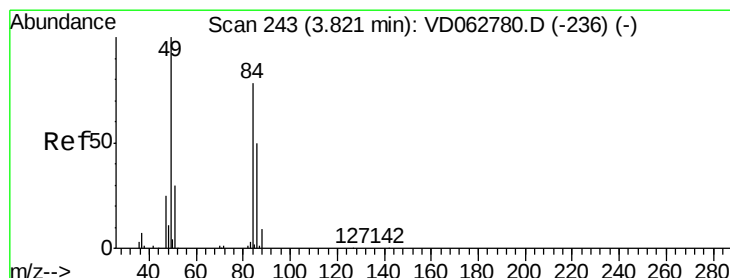
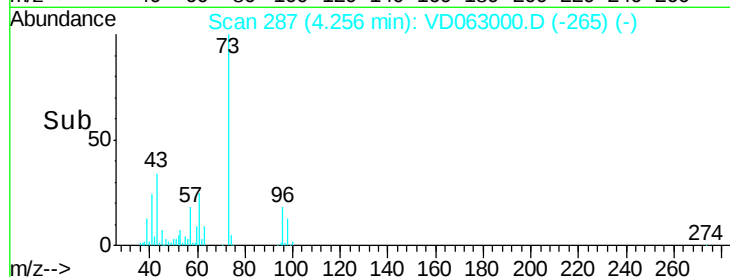
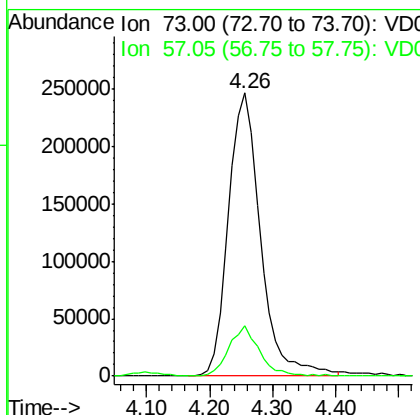
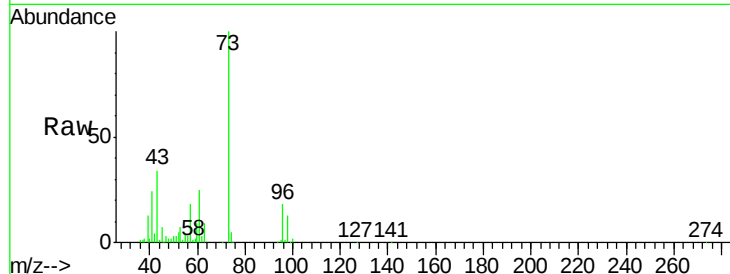
#19
Methvl tert-butvl Ether
Concen: 55.437 ug/l
RT: 4.26 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 870656
Ion Ratio Lower Upper
73 100
57 17.7 14.3 21.5

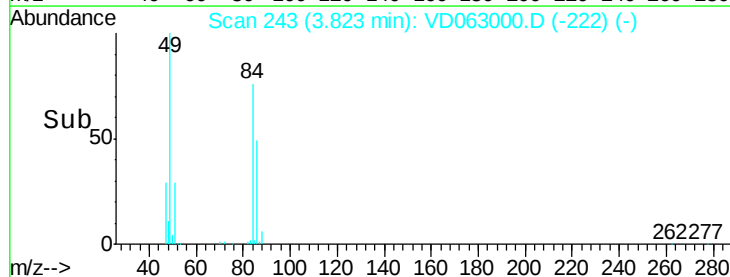
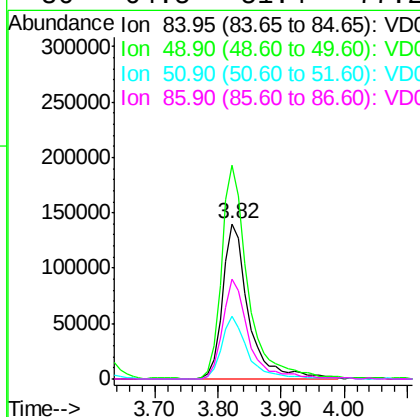
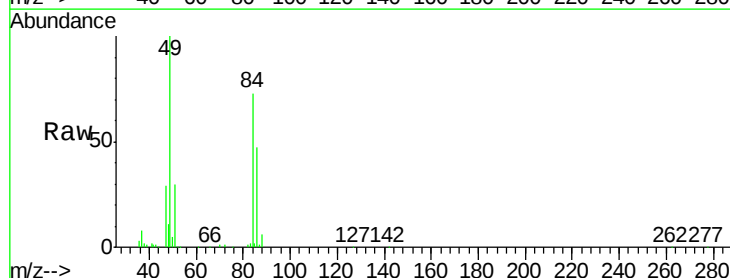
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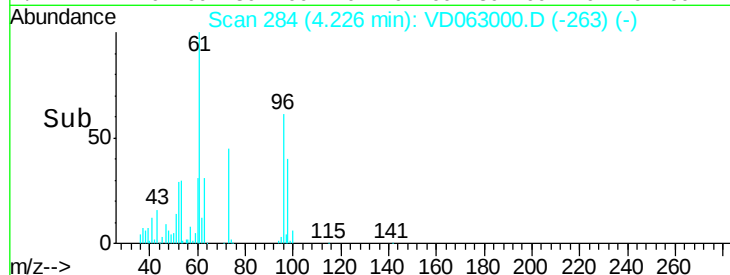
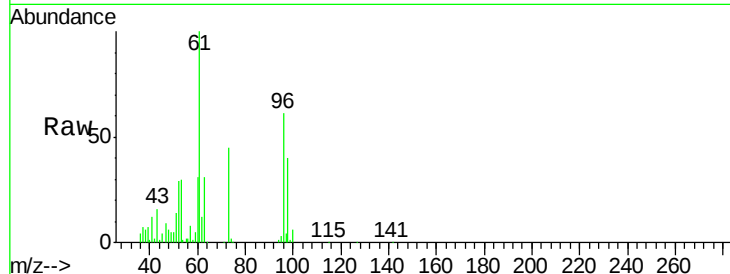
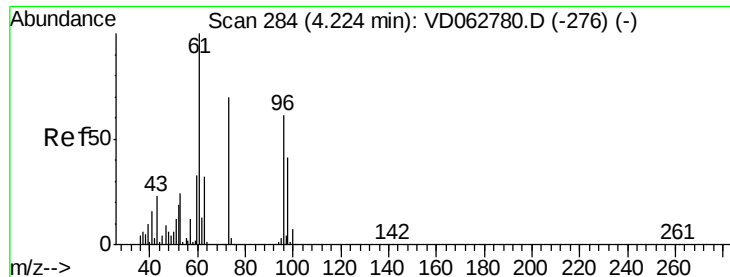
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#20
Methylene Chloride
Concen: 53.150 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 84 Resp: 402764
Ion Ratio Lower Upper
84 100
49 137.6 102.9 154.3
51 40.8 31.2 46.8
86 64.5 51.4 77.2





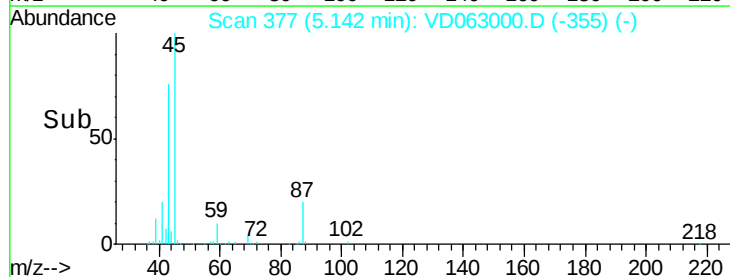
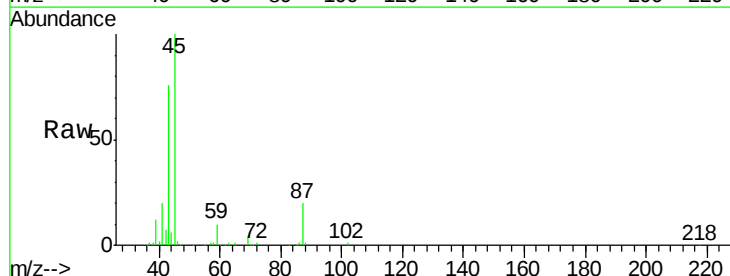
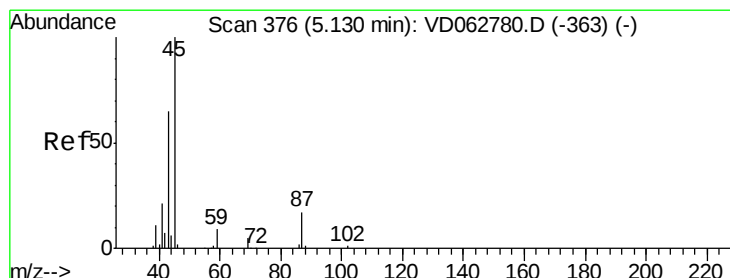
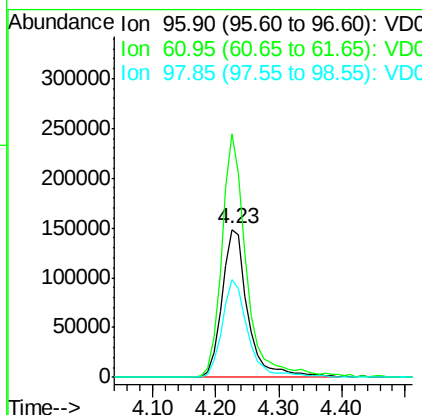
#21
trans-1,2-Dichloroethene
Concen: 54.471 ug/l
RT: 4.23 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.0	196.4
98	65.7	53.2	79.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

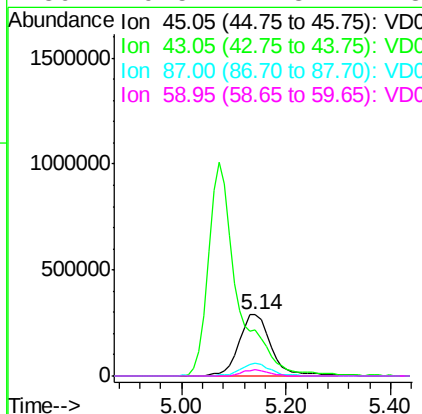
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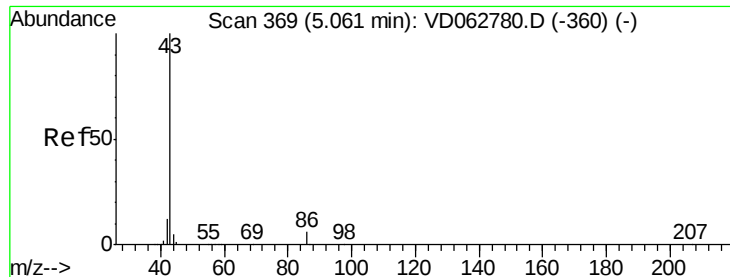
MMDadoda
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#22
Diisopropyl ether
Concen: 54.640 ug/l
RT: 5.14 min Scan# 377
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.1	53.4	80.0
87	20.2	14.6	22.0
59	9.5	7.8	11.8





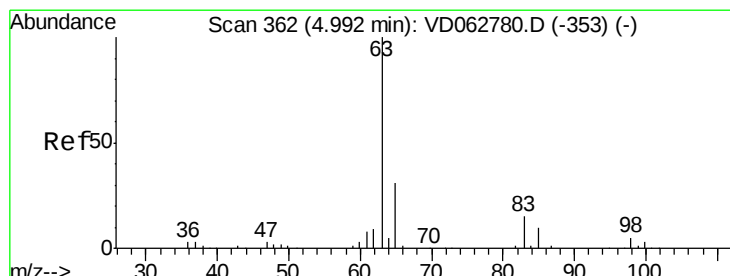
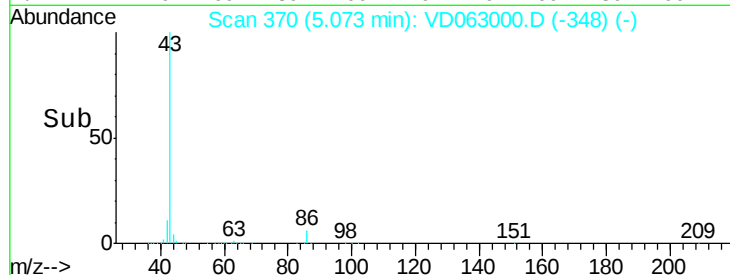
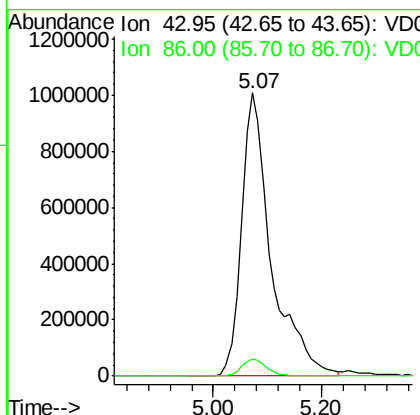
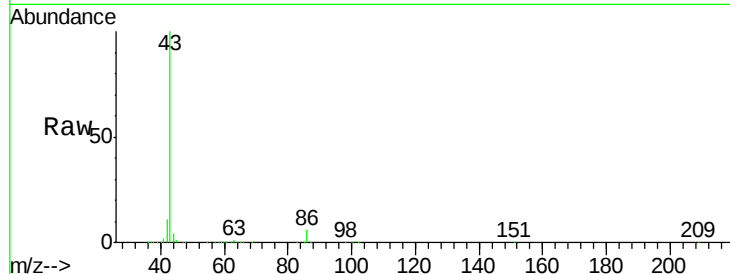
#23
 Vinyl Acetate
 Concen: 281.998 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3846836
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.7 7.1

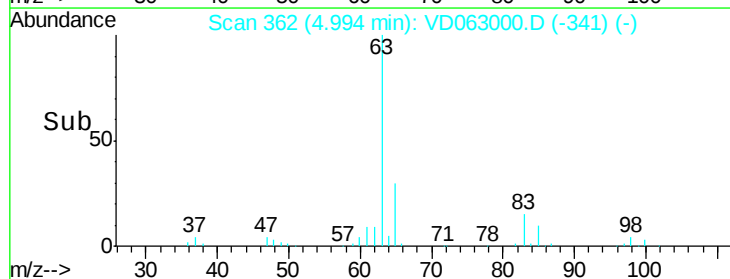
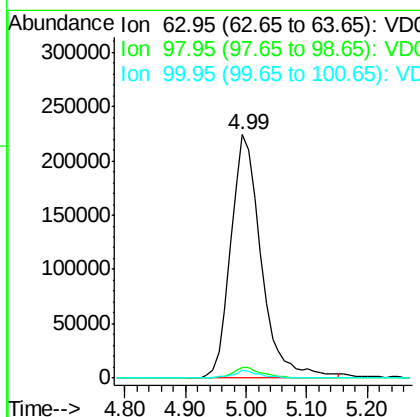
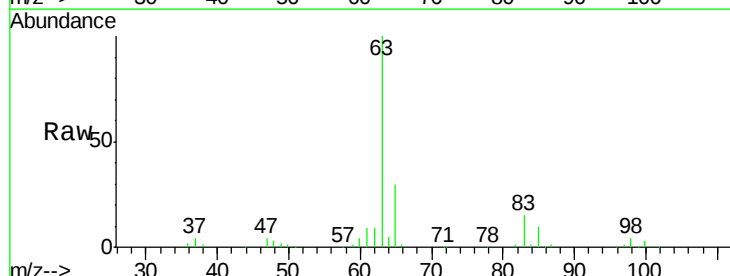
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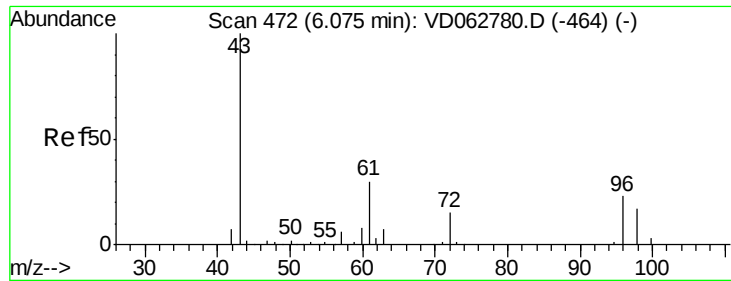
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#24
 1,1-Dichloroethane
 Concen: 55.170 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 63 Resp: 783059
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.9
 100 3.4 1.7 5.1





#25

2-Butanone

Concen: 303.734 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 564462

Ion Ratio Lower Upper

43 100

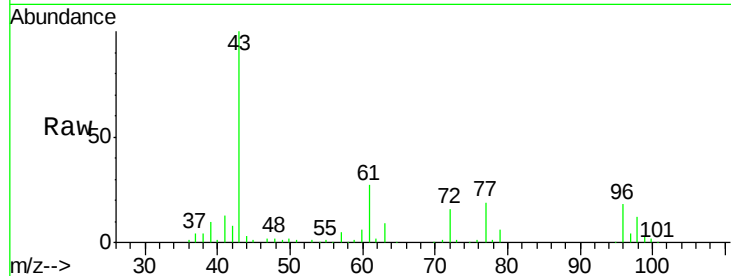
72 15.6 11.9 17.9

Manual Integrations

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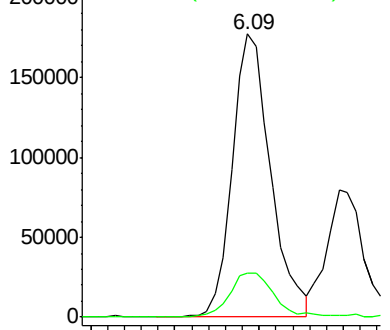
MMDadoda

7/3/2019 9:36:45 AM

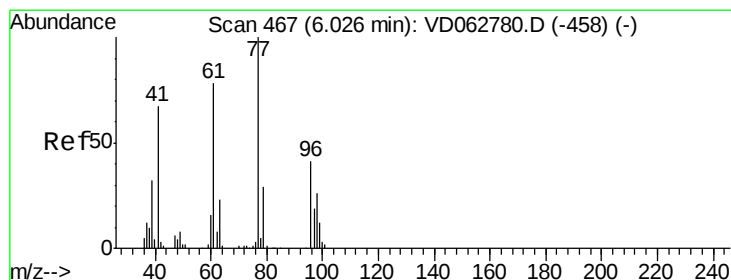
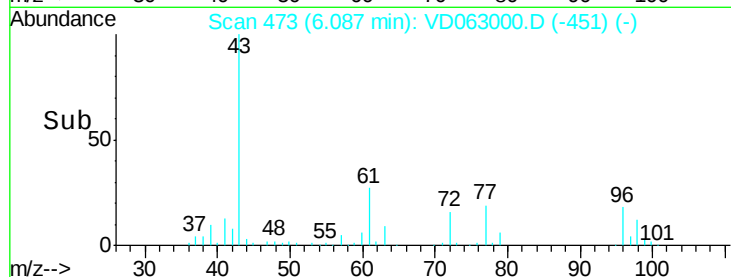


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 55.178 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063000.D

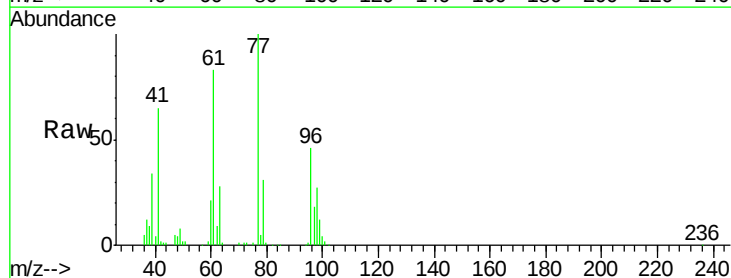
Acq: 2 Jul 2019 10:20

Tgt Ion: 77 Resp: 830127

Ion Ratio Lower Upper

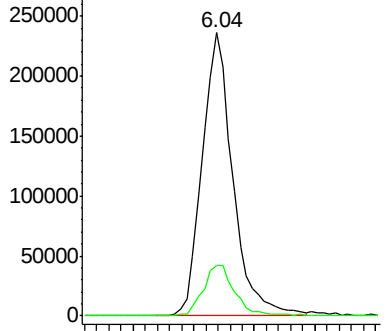
77 100

97 17.7 9.5 28.5

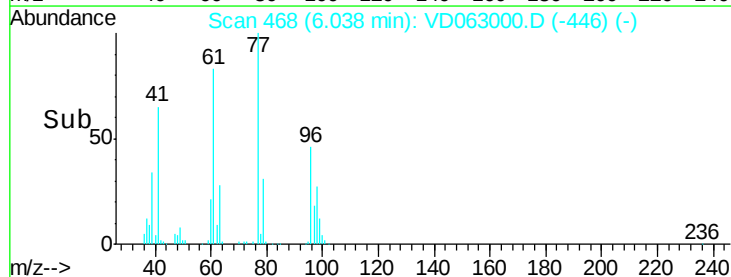


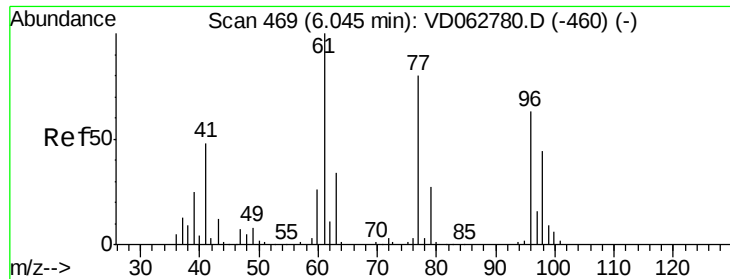
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





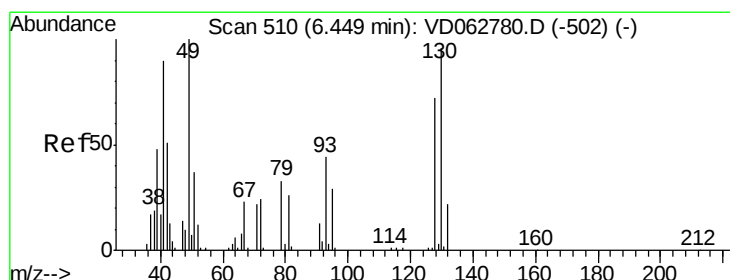
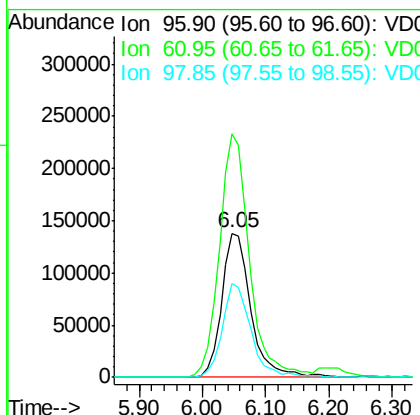
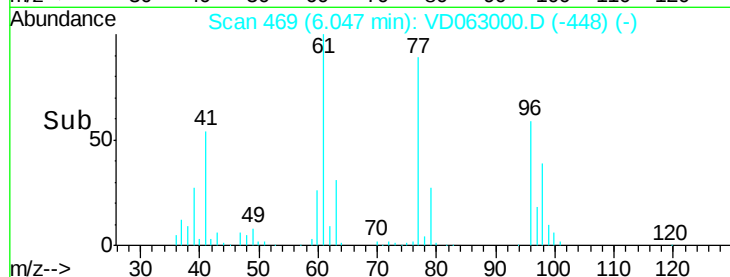
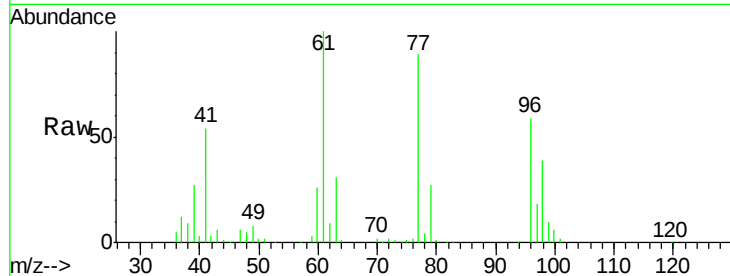
#27
 cis-1,2-Dichloroethene
 Concen: 54.176 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	442553		
61	169.0	0.0	316.0	
98	65.2	0.0	138.4	

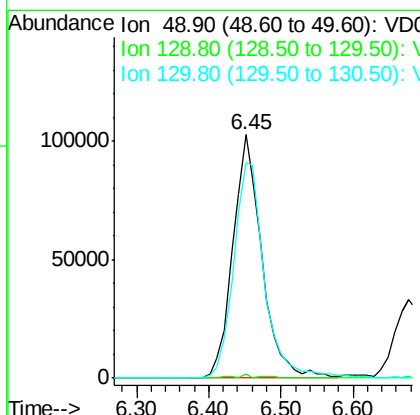
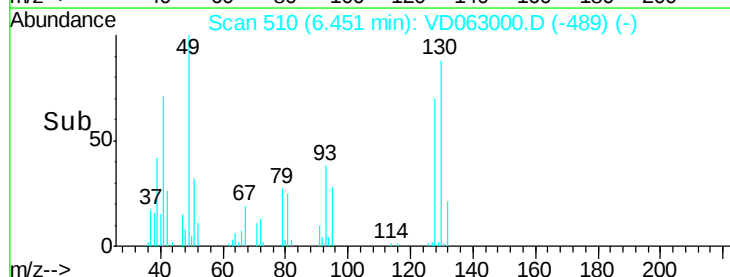
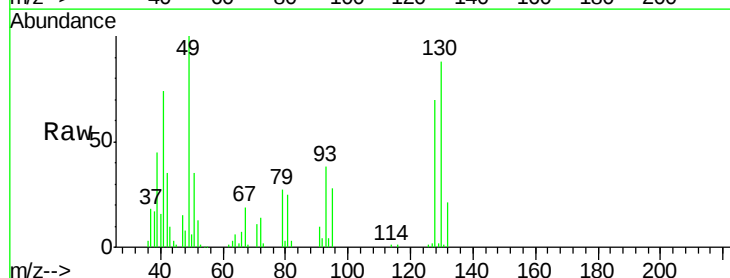
Manual Integrations
 APPROVED

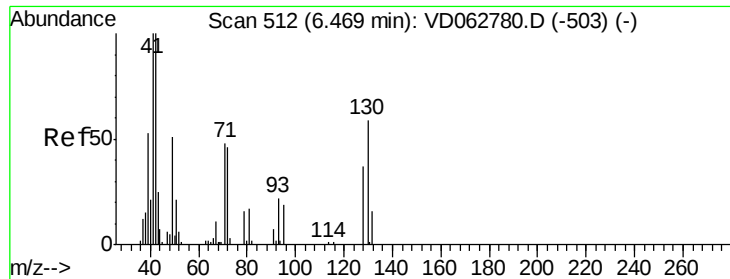
MMDadoda
 7/3/2019 9:36:45 AM



#28
 Bromochloromethane
 Concen: 57.628 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	288083		
129	2.0	0.0	5.6	
130	88.3	76.6	114.8	





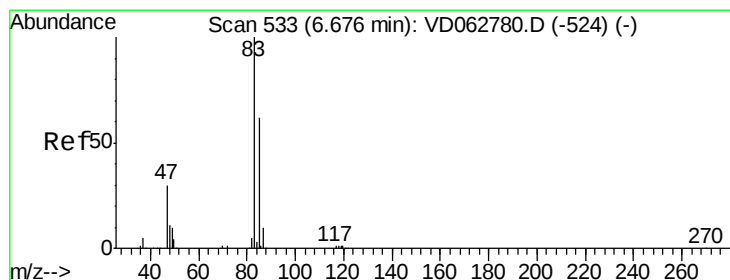
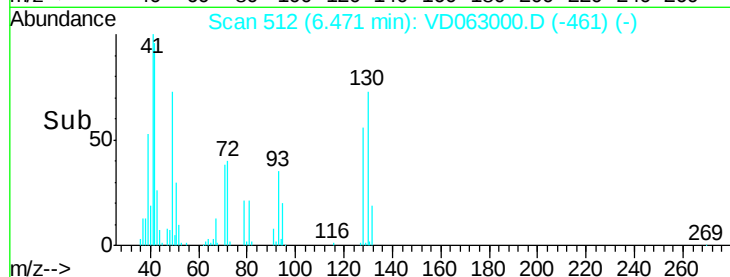
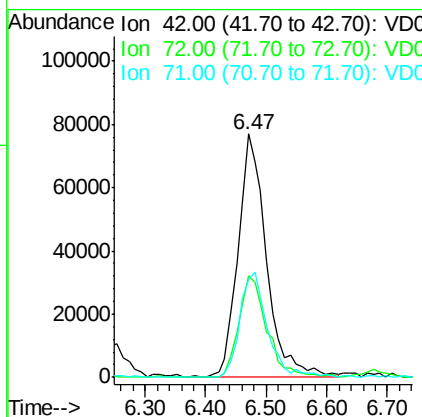
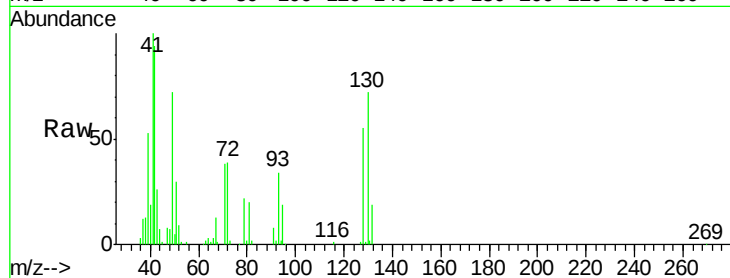
#29
Tetrahydrofuran
Concen: 285.508 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.0	52.6
71	42.1	33.3	49.9

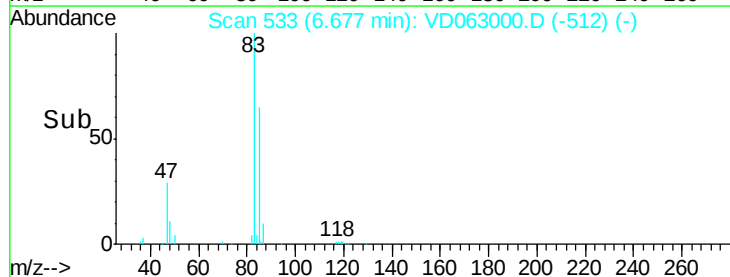
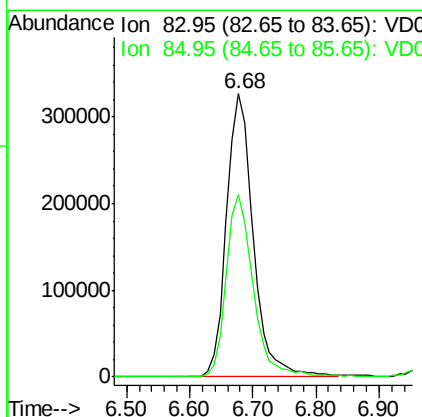
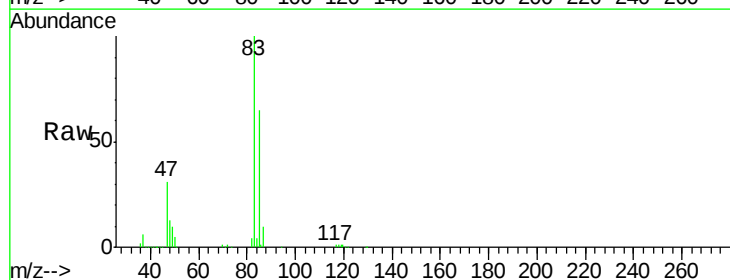
Manual Integrations
APPROVED

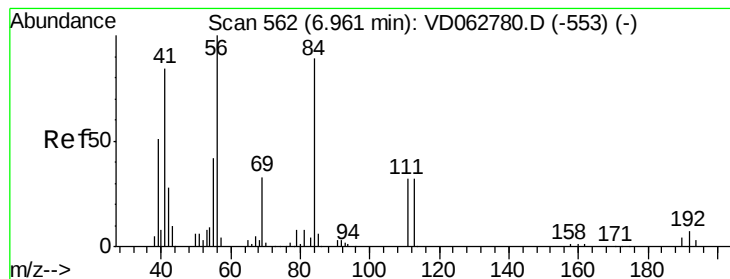
MMDadoda
7/3/2019 9:36:45 AM



#30
Chloroform
Concen: 55.496 ug/l
RT: 6.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.8	74.6





#31

Cyclohexane

Concen: 52.183 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

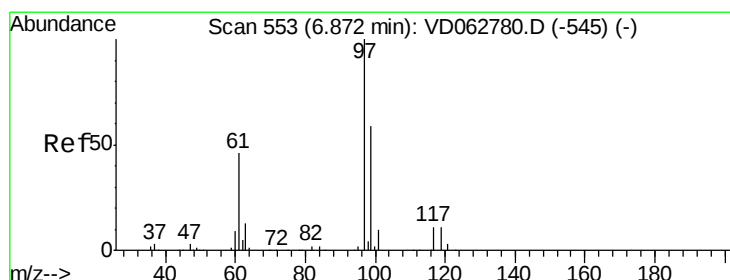
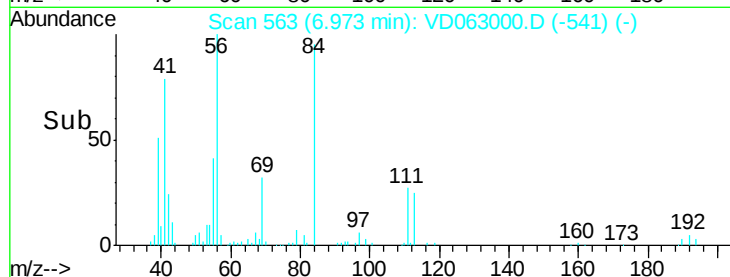
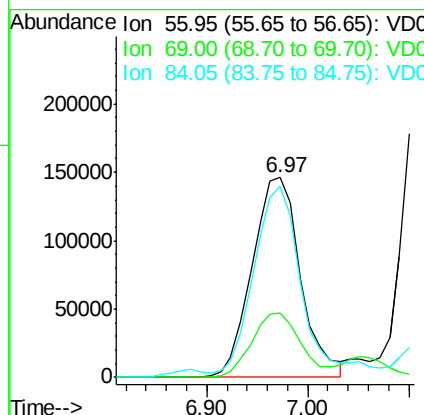
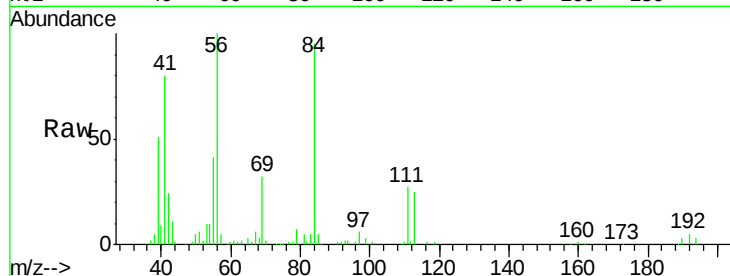
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	486914
Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.6	39.8
84	95.5	75.5	113.3

Manual Integrations
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7/3/2019 9:36:45 AM



#32

1,1,1-Trichloroethane

Concen: 55.128 ug/l

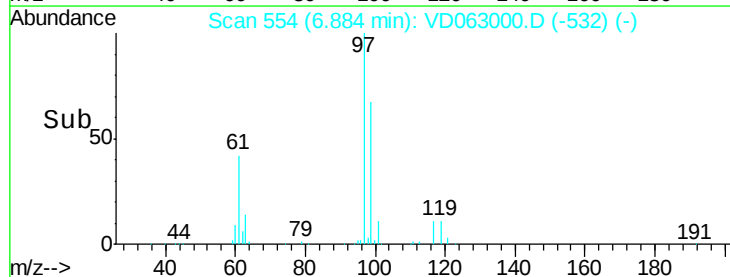
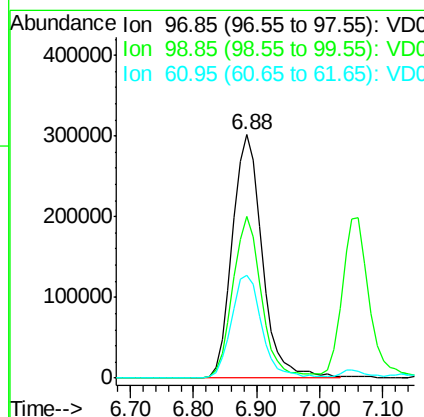
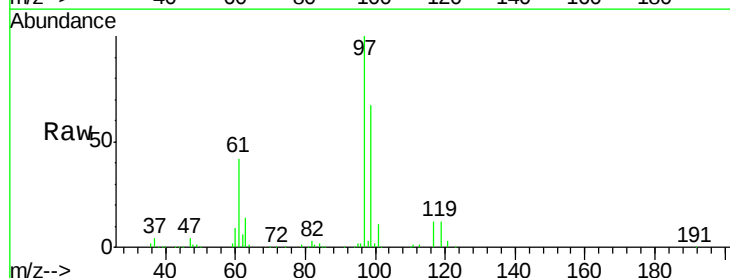
RT: 6.88 min Scan# 554

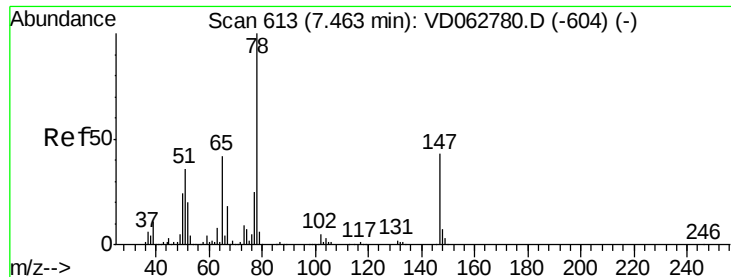
Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion:	97	Resp:	991165
Ion	Ratio	Lower	Upper
97	100		
99	66.6	47.4	71.2
61	42.3	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 49.091 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 487787

Ion Ratio Lower Upper

65 100

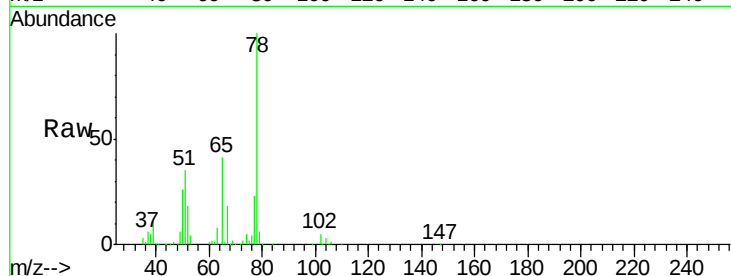
67 43.2 0.0 87.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

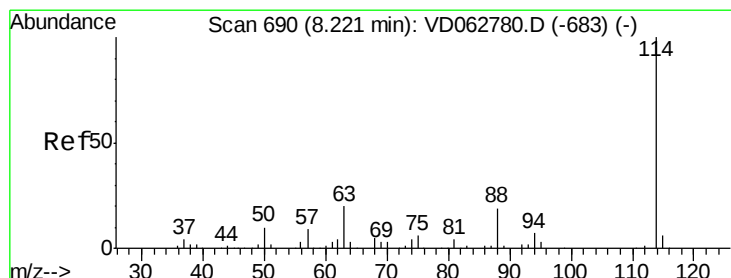
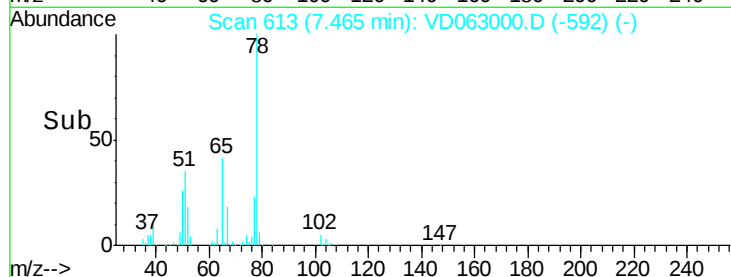
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

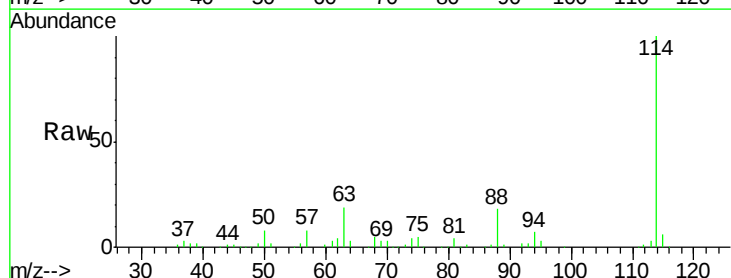
Tgt Ion: 114 Resp: 1322799

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 17.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

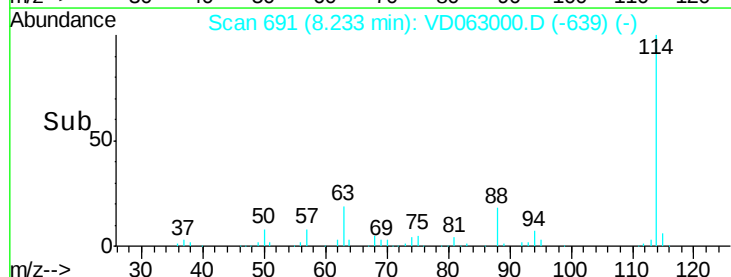
600000

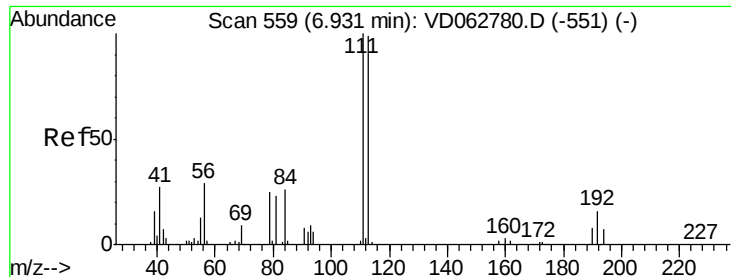
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.339 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

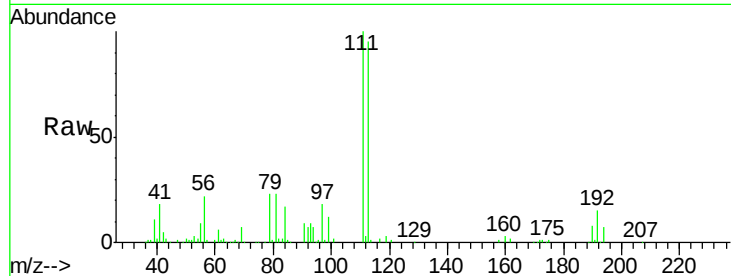
ClientSampleId :

VSTDCCC050

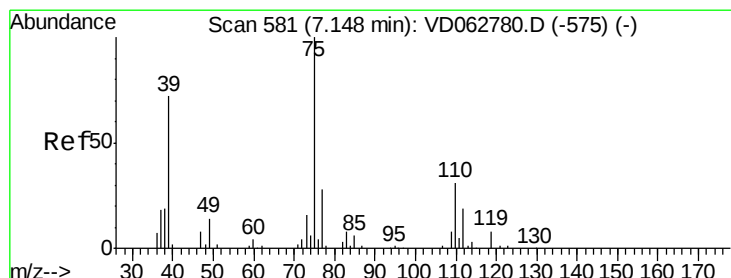
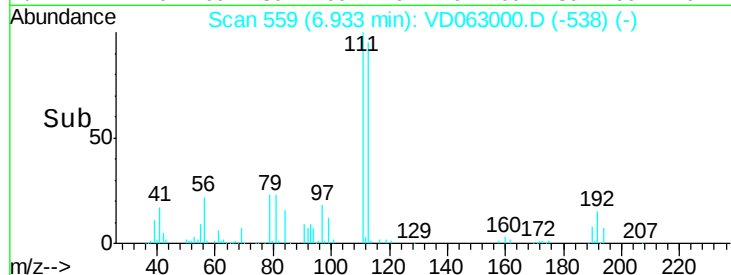
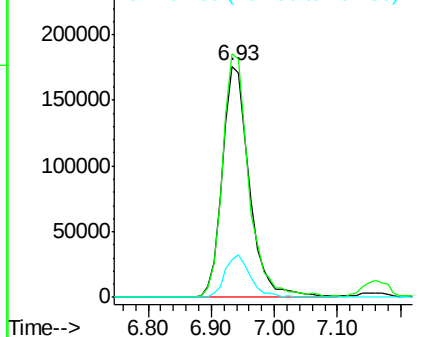
Tot Ion:	113	Resp:	528013
Ion Ratio	Lower	Upper	
113	100		
111	105.3	81.2	121.8
192	16.1	12.9	19.3

Manual Integrations
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 48.800 ug/l

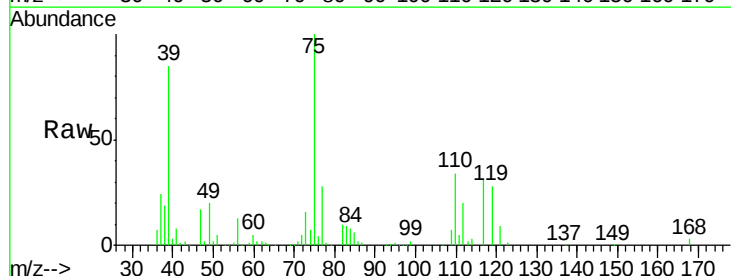
RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

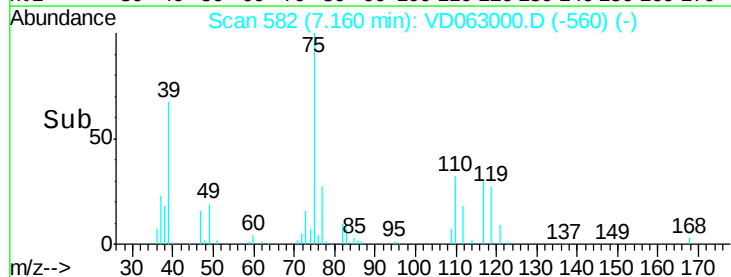
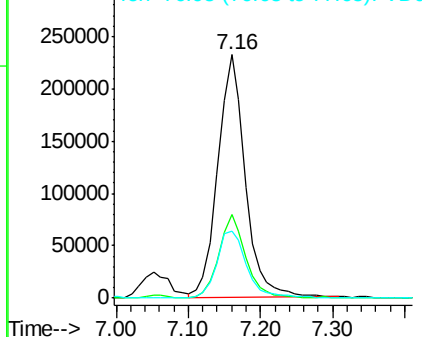
Lab File: VD063000.D

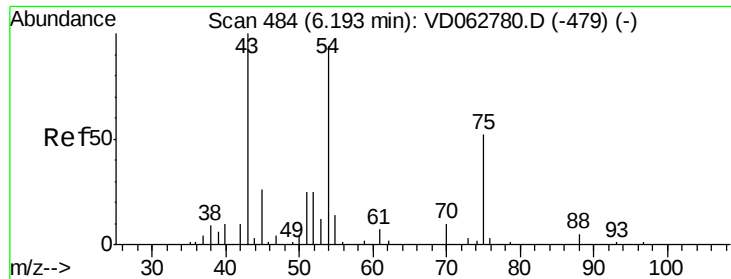
Acq: 2 Jul 2019 10:20

Tgt Ion:	75	Resp:	611083
Ion Ratio	Lower	Upper	
75	100		
110	34.1	15.0	45.1
77	27.7	22.2	33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





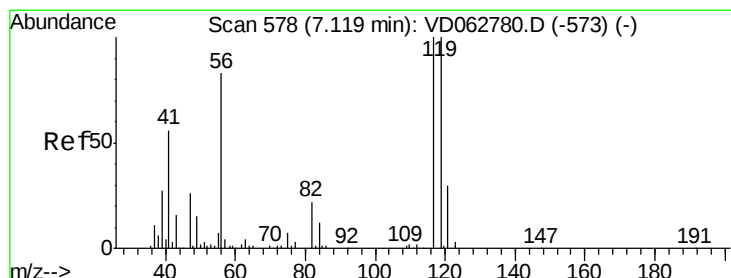
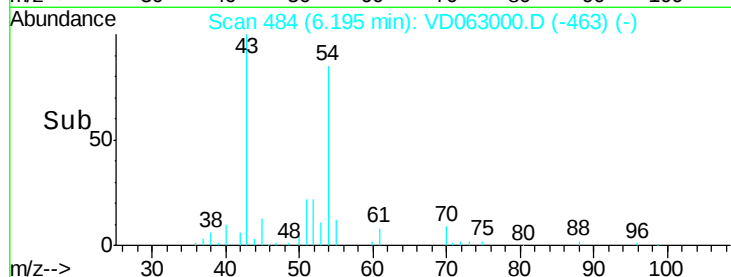
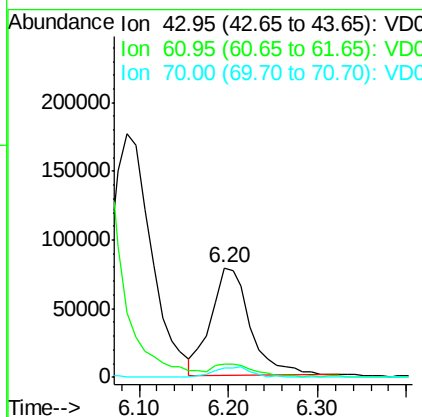
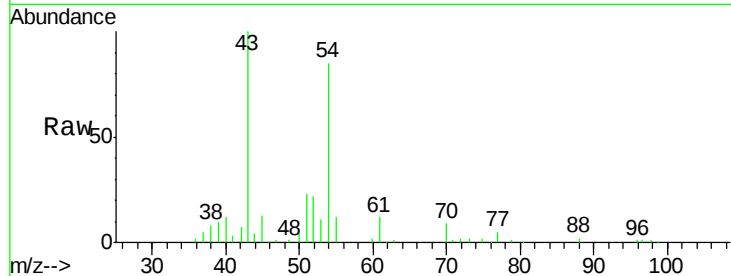
#37
Ethyl Acetate
Concen: 45.974 ug/l
RT: 6.20 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.6	17.4
70	8.6	6.4	9.6

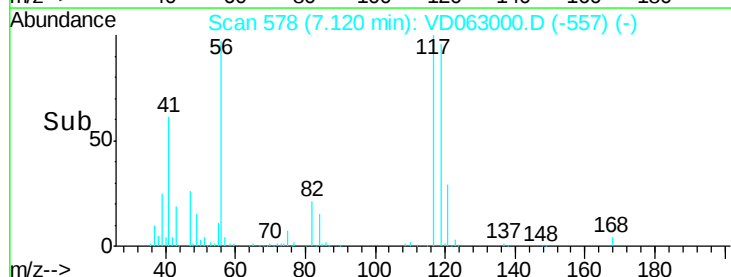
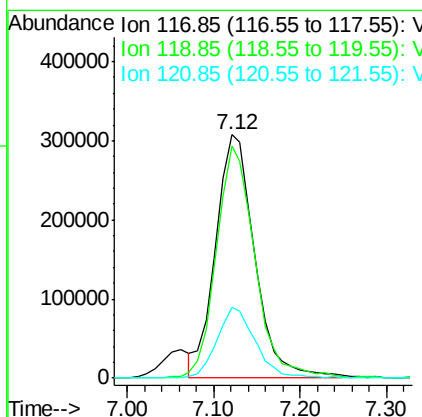
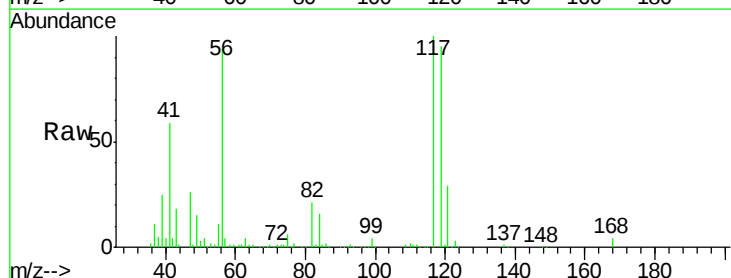
Manual Integrations
APPROVED

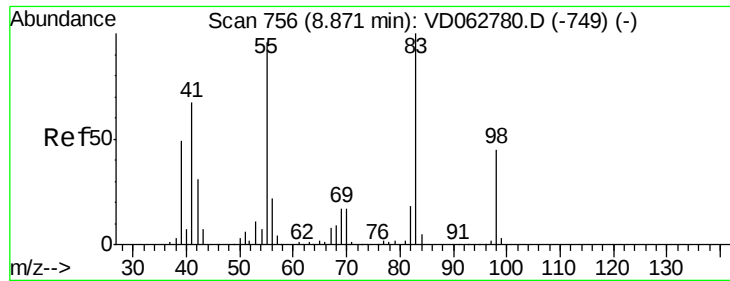
MMDadoda
7/3/2019 9:36:45 AM



#38
Carbon Tetrachloride
Concen: 51.400 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.2
121	28.9	22.3	33.5





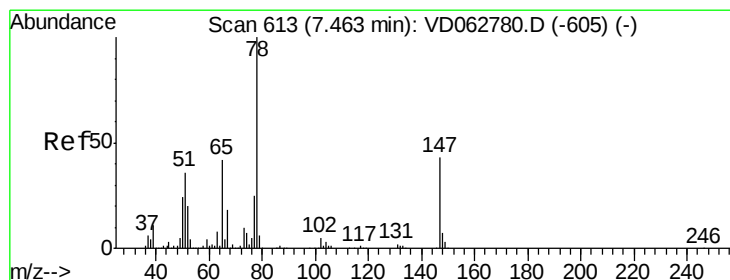
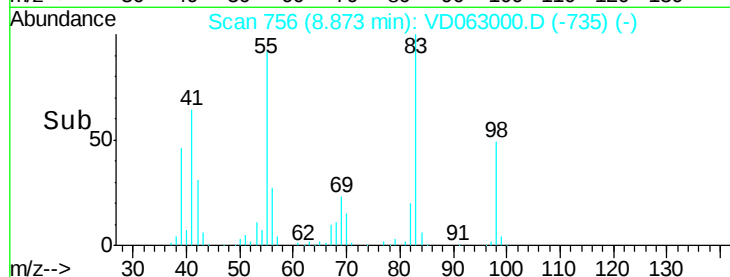
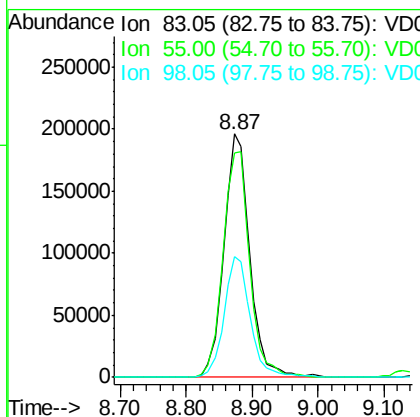
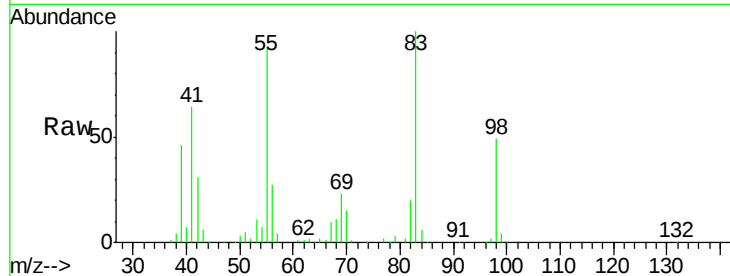
#39
Methvlcvclohexane
Concen: 48.738 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	76.6	115.0
98	49.5	35.7	53.5

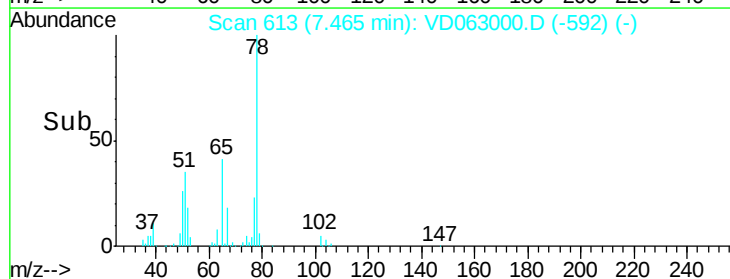
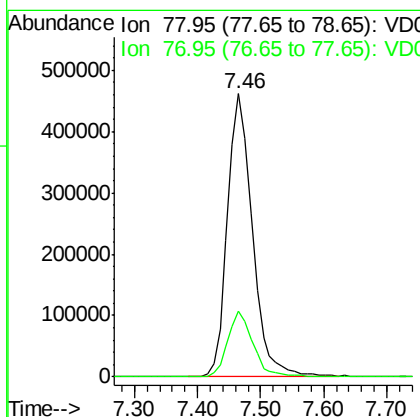
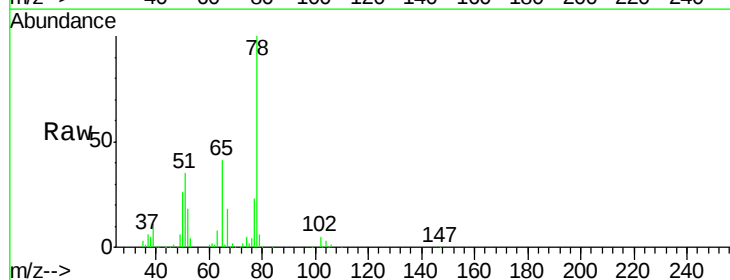
Manual Integrations
APPROVED

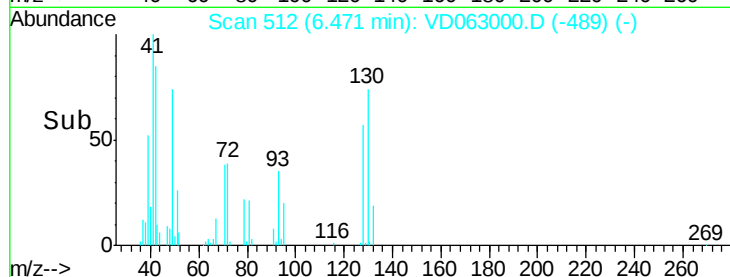
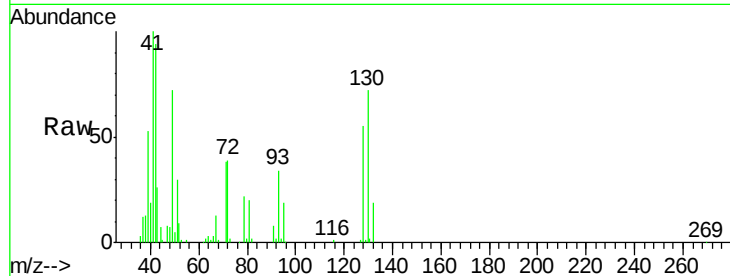
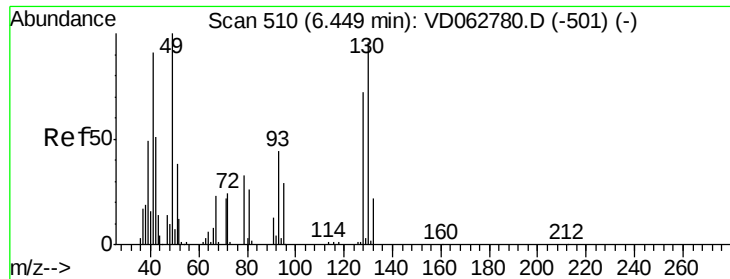
MMDadoda
7/3/2019 9:36:45 AM



#40
Benzene
Concen: 50.586 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.2	30.2





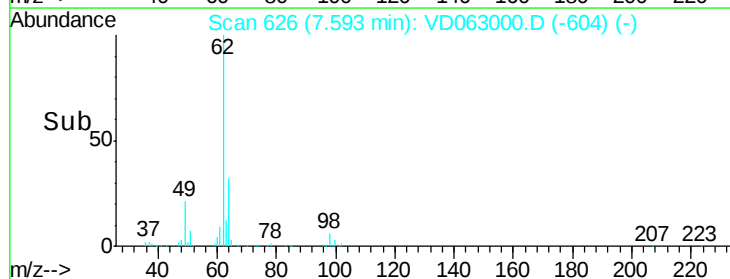
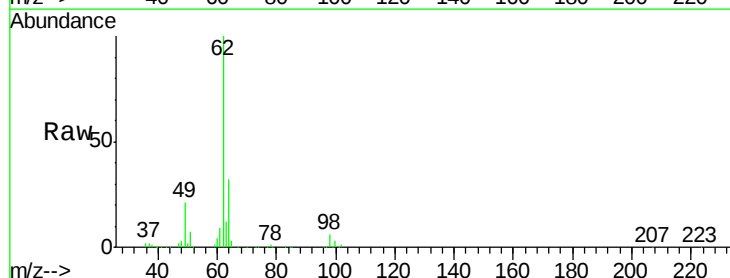
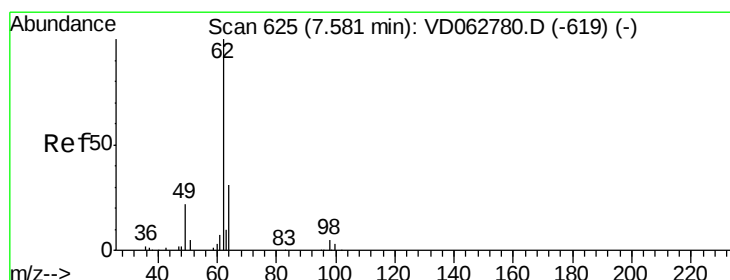
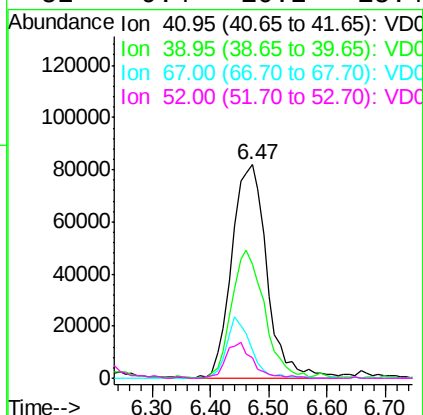
#41
Methacrylonitrile
Concen: 52.097 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.2	64.8
67	12.9	19.9	29.9
52	9.4	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

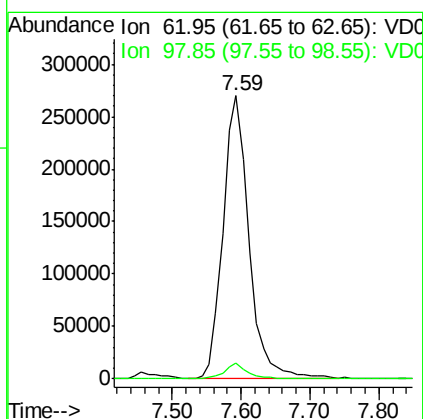
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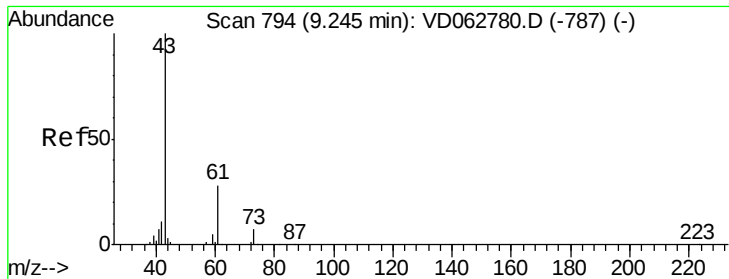
MMDadoda
7/3/2019 9:36:45 AM



#42
1,2-Dichloroethane
Concen: 51.191 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	10.0





#43

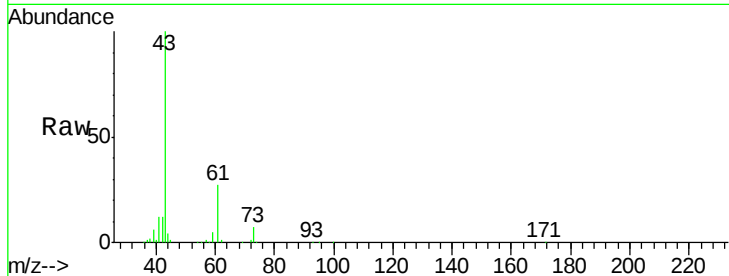
Isopropyl Acetate
 Concen: 52.470 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

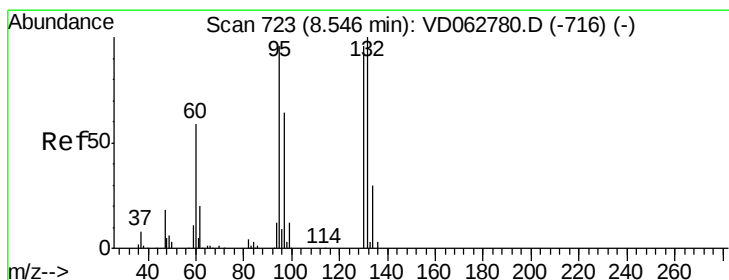
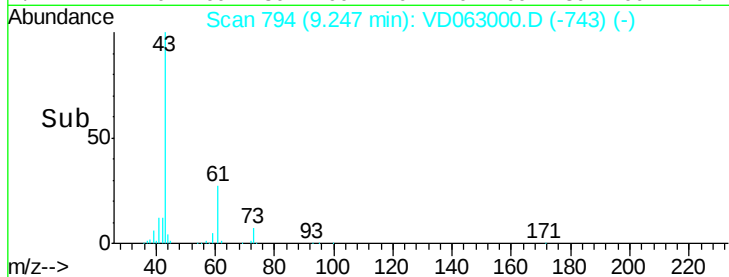
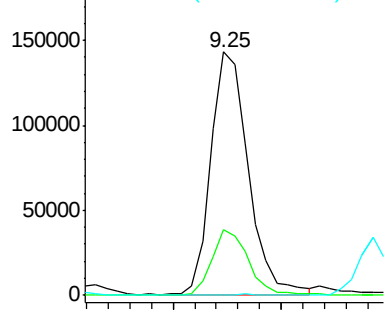
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	22.4	33.6
87	0.0	0.3	0.5

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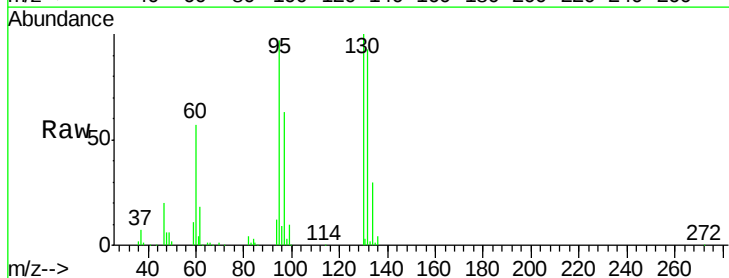
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



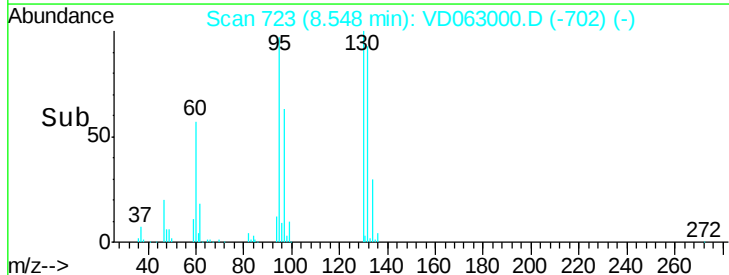
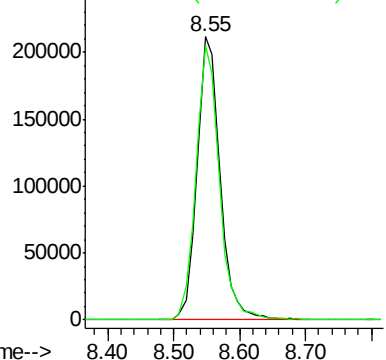
#44

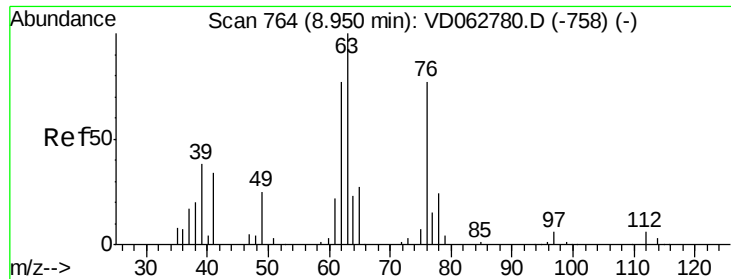
Trichloroethene
 Concen: 52.898 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





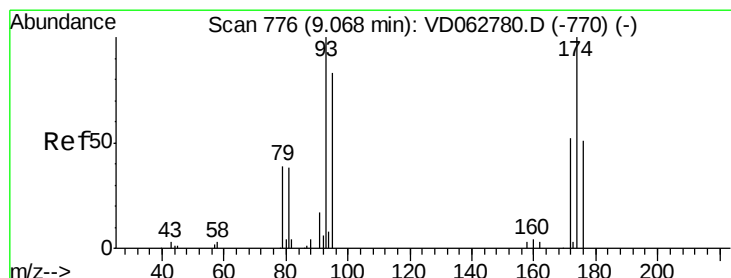
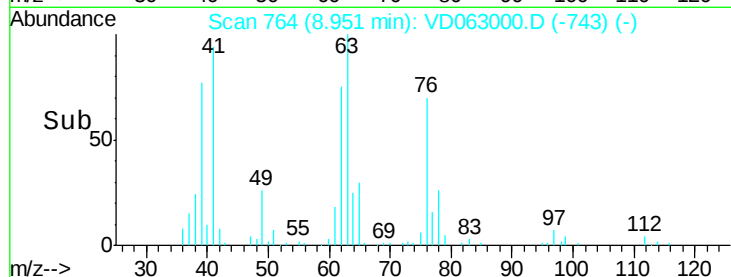
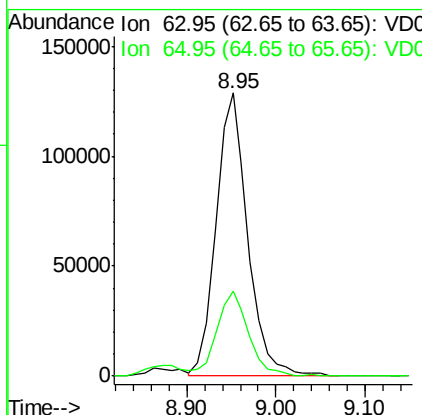
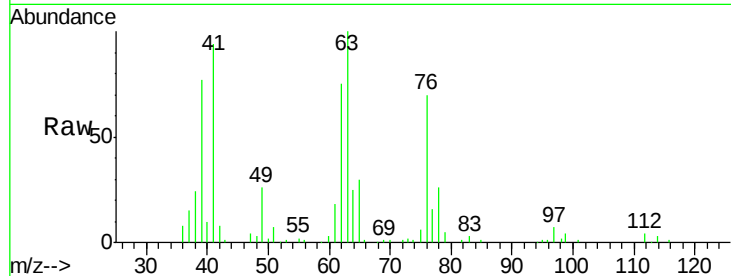
#45
 1,2-Dichloropropane
 Concen: 50.887 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 318052
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.2 36.2

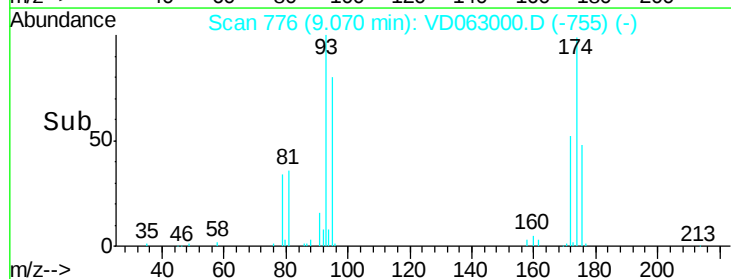
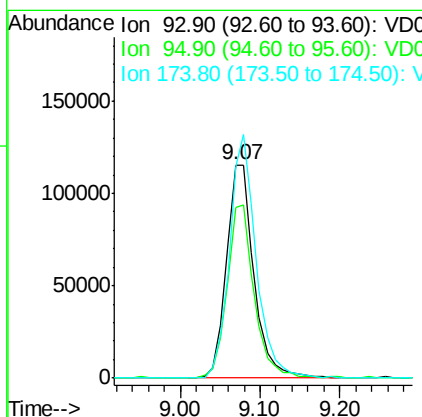
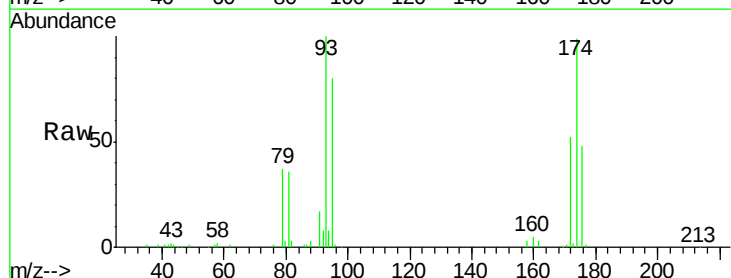
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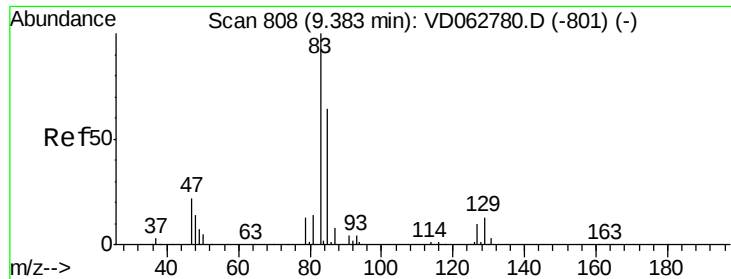
MMDadoda
 7/3/2019 9:36:45 AM



#46
 Dibromomethane
 Concen: 52.181 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 93 Resp: 280161
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.6 100.0
 174 99.0 79.7 119.5





#47

Bromodichloromethane

Concen: 53.134 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

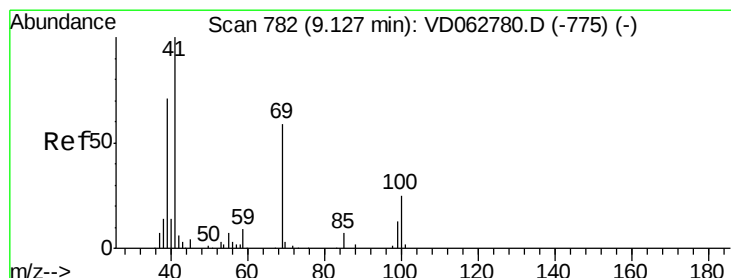
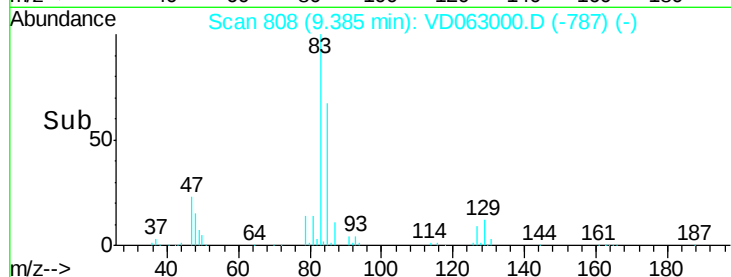
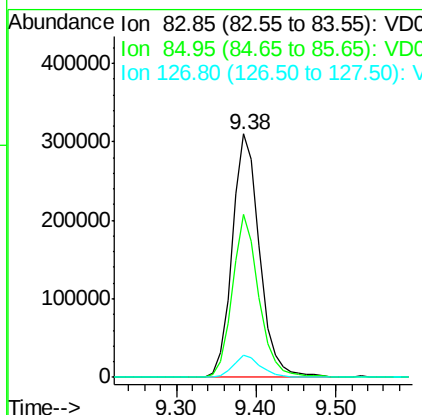
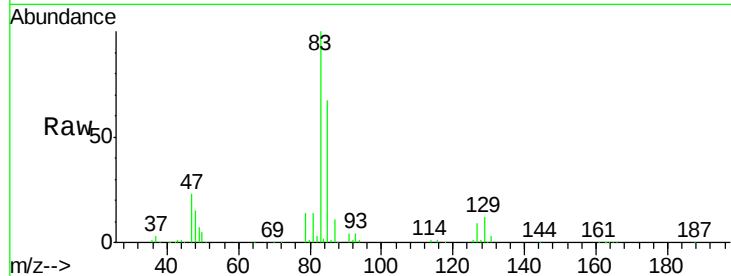
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	740887
Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.6	77.4
127	9.0	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.272 ug/l

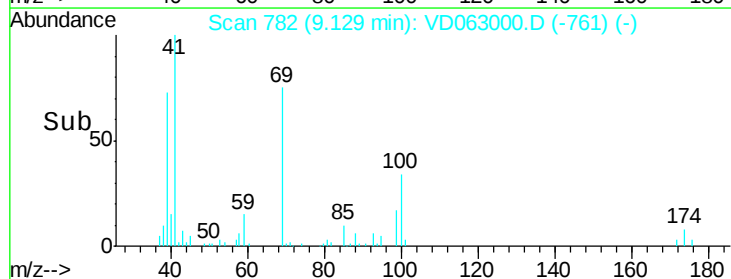
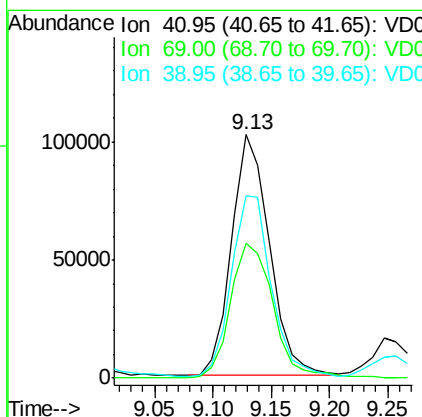
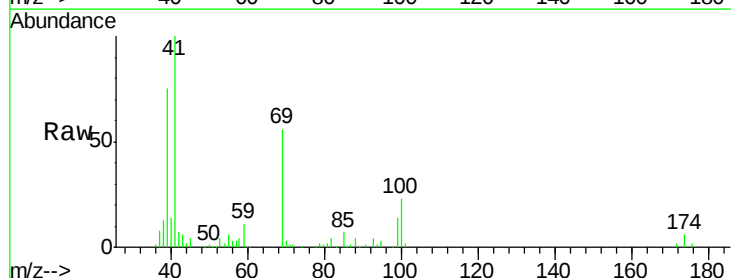
RT: 9.13 min Scan# 782

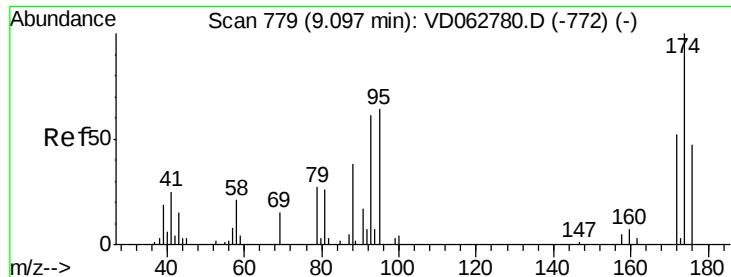
Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion:	41	Resp:	229865
Ion	Ratio	Lower	Upper
41	100		
69	55.5	47.2	70.8
39	74.7	57.4	86.2





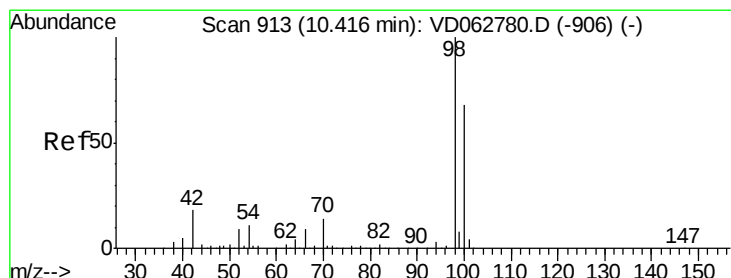
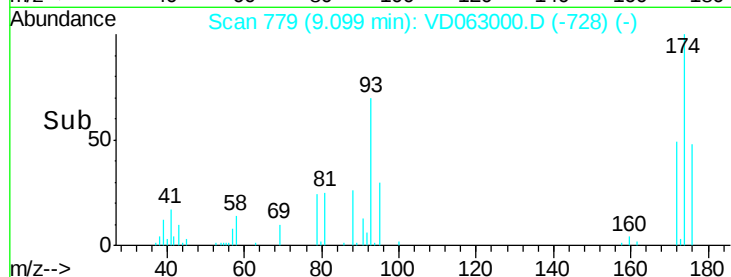
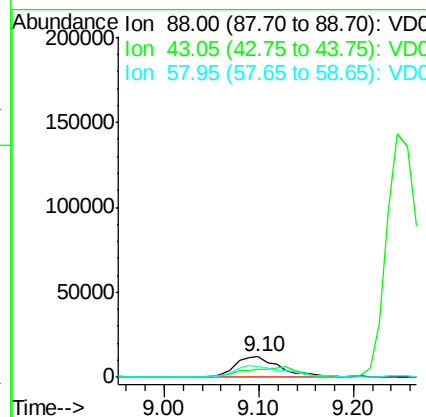
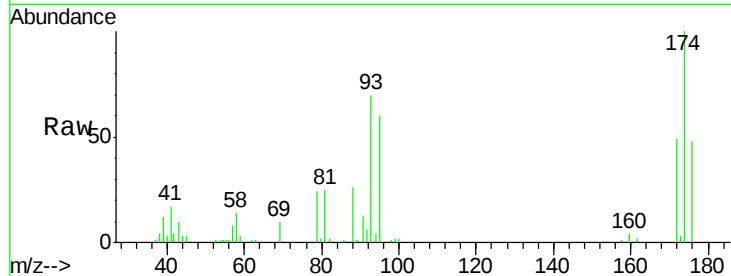
#49
1,4-Dioxane
Concen: 1040.520 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	40386		
43	37.5	32.1	48.1	
58	52.3	44.1	66.1	

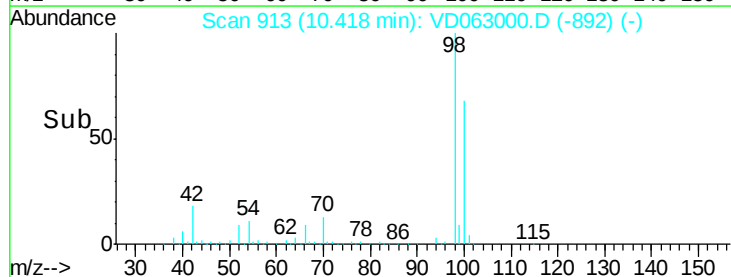
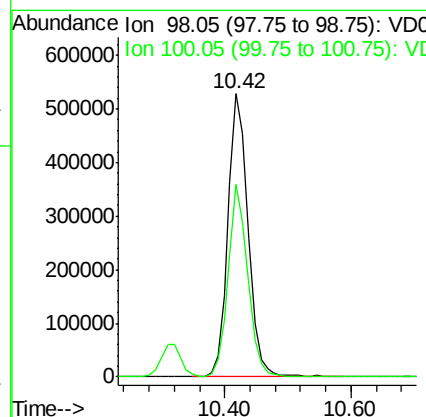
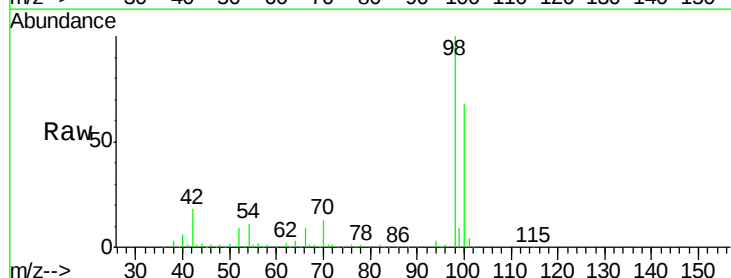
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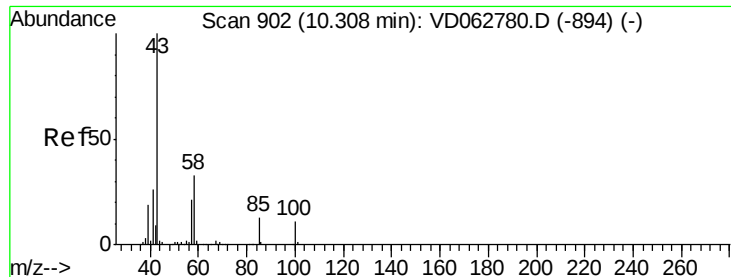
MMDadoda
7/3/2019 9:36:45 AM



#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1169169		
100	68.2	54.7	82.1	





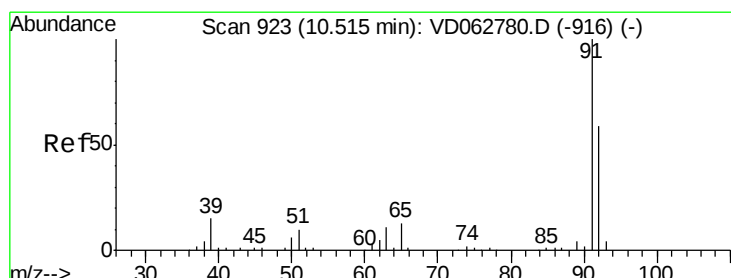
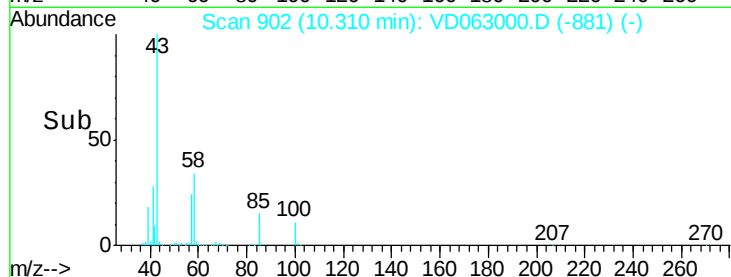
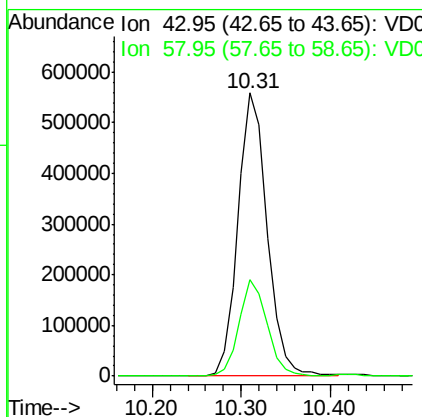
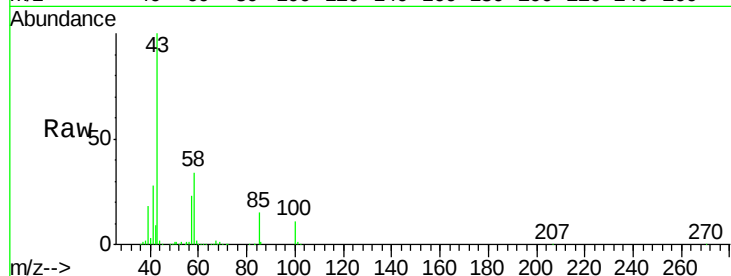
#51
4-Methyl-2-Pentanone
Concen: 273.614 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1273537
Ion Ratio Lower Upper
43 100
58 34.2 26.6 40.0

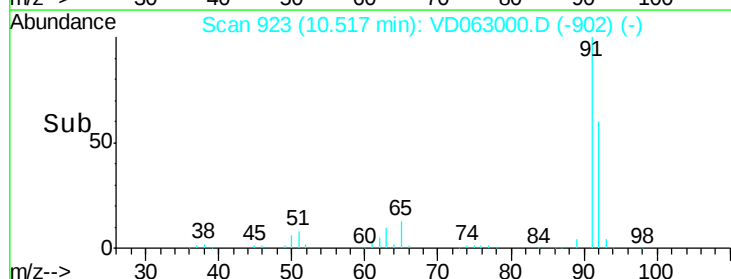
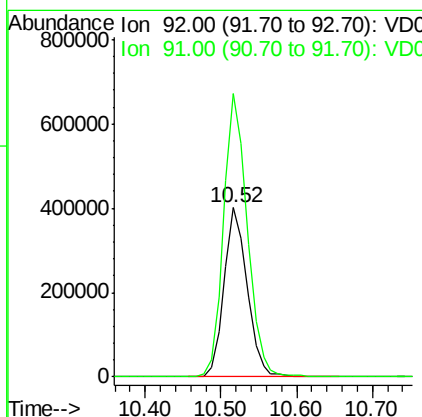
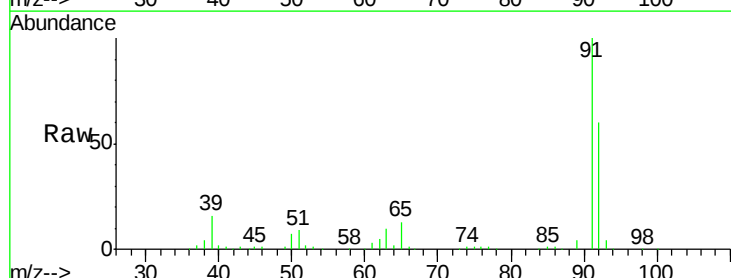
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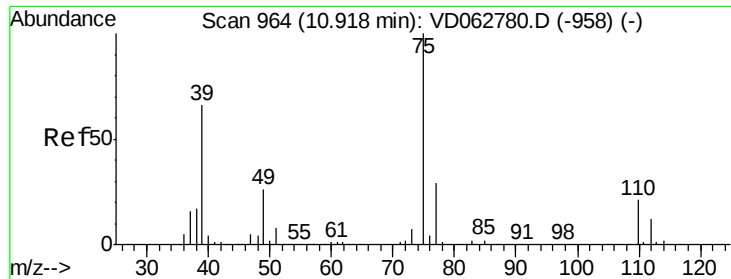
MMDadoda
7/3/2019 9:36:45 AM



#52
Toluene
Concen: 50.294 ug/l
RT: 10.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 92 Resp: 849789
Ion Ratio Lower Upper
92 100
91 167.5 136.3 204.5





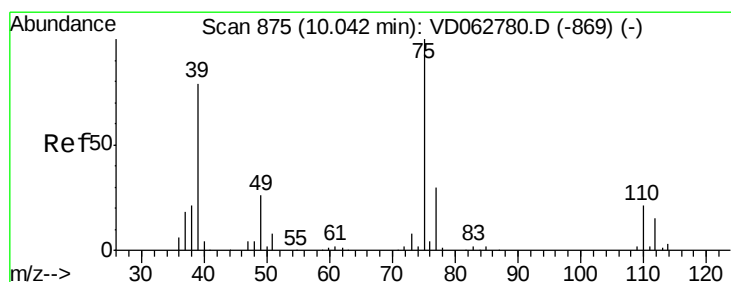
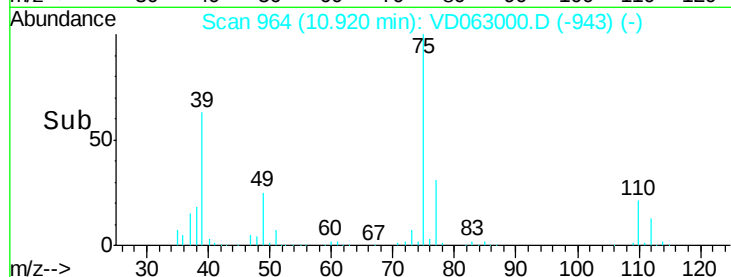
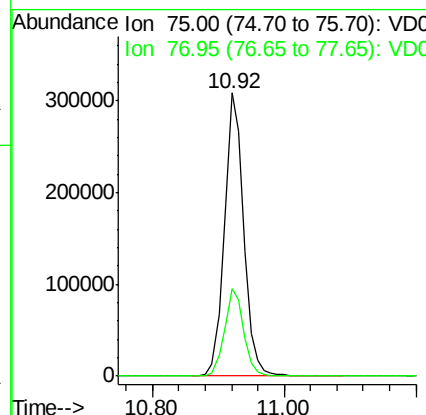
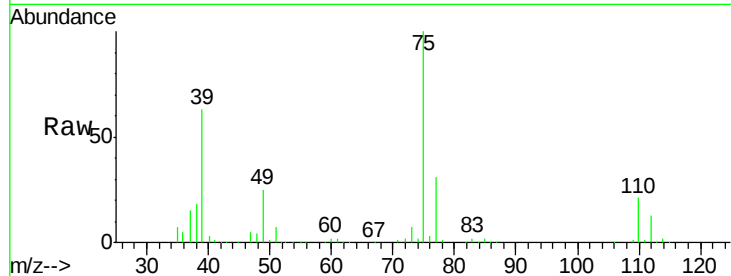
#53
t-1,3-Dichloropropene
Concen: 55.095 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 628787
Ion Ratio Lower Upper
75 100
77 30.9 23.2 34.8

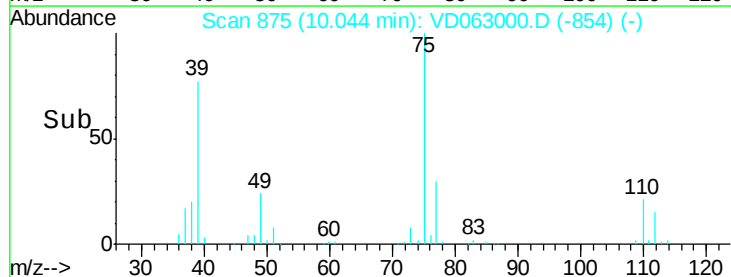
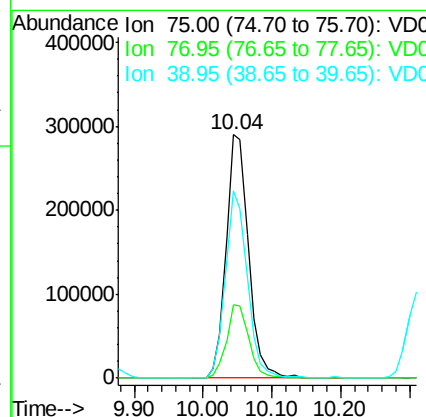
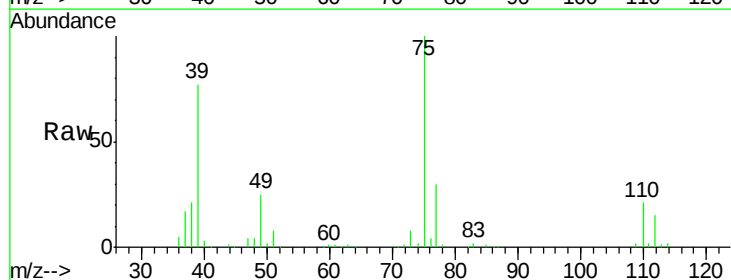
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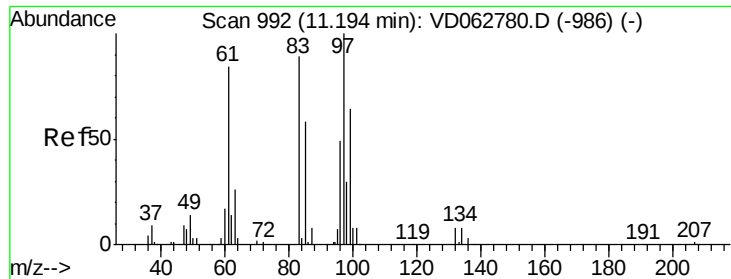
MMDadoda
7/3/2019 9:36:45 AM



#54
cis-1,3-Dichloropropene
Concen: 52.803 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 75 Resp: 655015
Ion Ratio Lower Upper
75 100
77 30.1 24.2 36.2
39 77.1 63.5 95.3





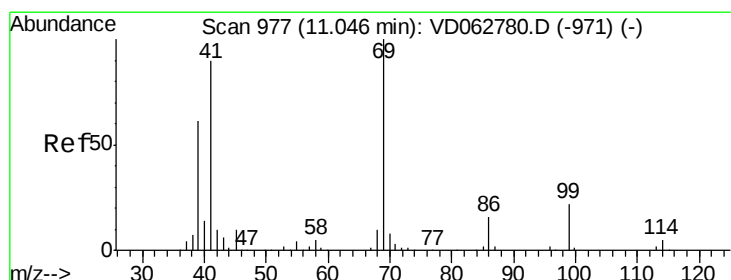
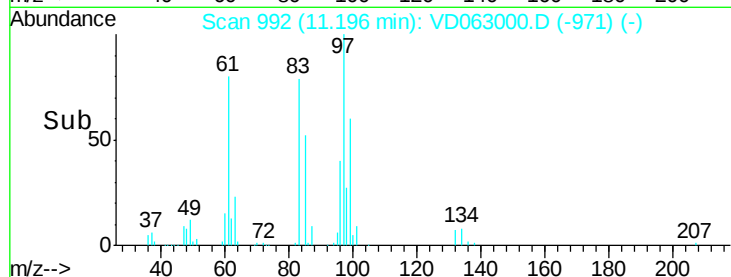
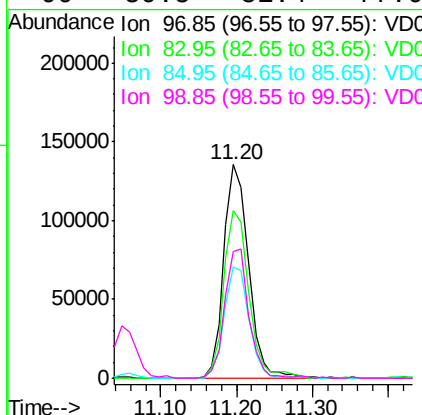
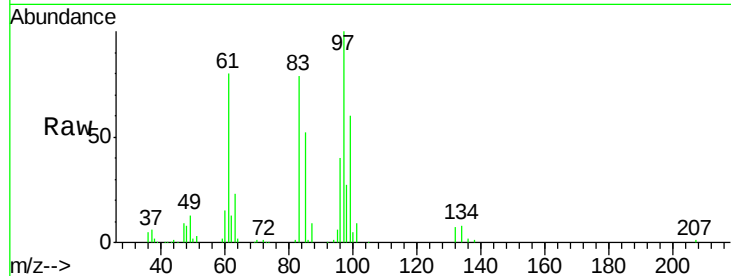
#55
 1,1,2-Trichloroethane
 Concen: 53.206 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	308860
Ion	Ratio	Lower	Upper
97	100		
83	78.8	71.0	106.4
85	52.2	46.6	69.8
99	59.5	51.4	77.0

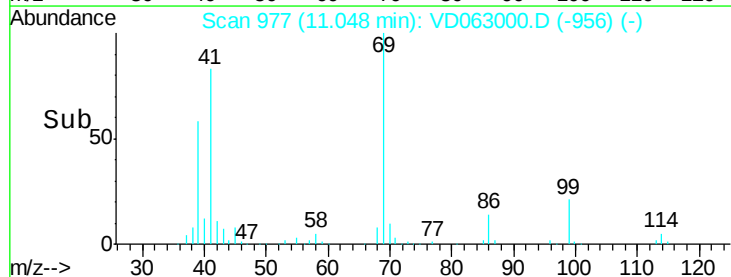
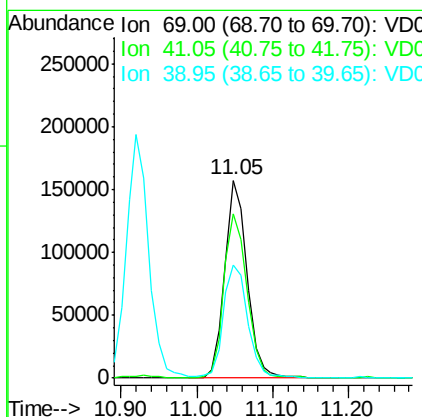
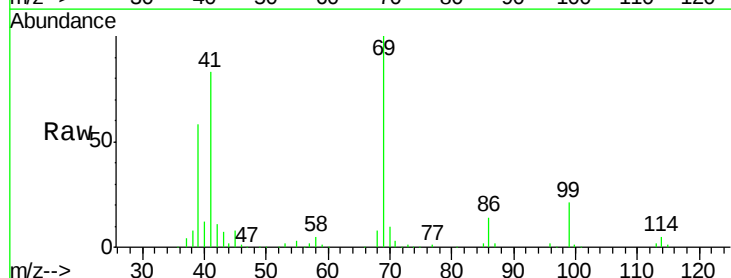
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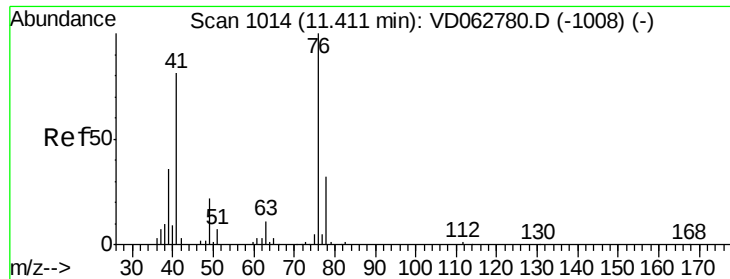
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 7/3/2019 9:36:45 AM



#56
 Ethyl methacrylate
 Concen: 51.928 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion:	69	Resp:	322142
Ion	Ratio	Lower	Upper
69	100		
41	83.0	72.0	108.0
39	57.5	49.5	74.3





#57

1,3-Dichloropropane

Concen: 52.389 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 465647

Ion Ratio Lower Upper

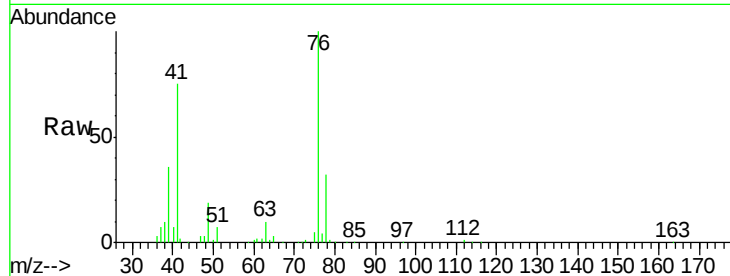
76 100

78 32.0 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

250000

200000

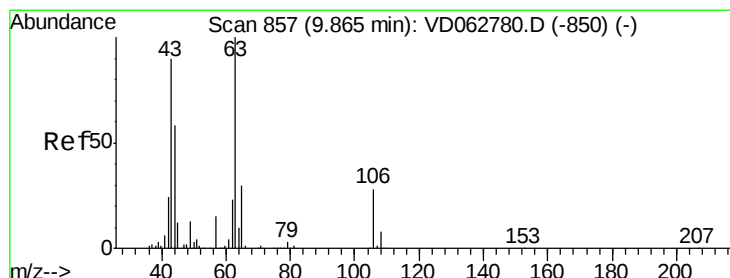
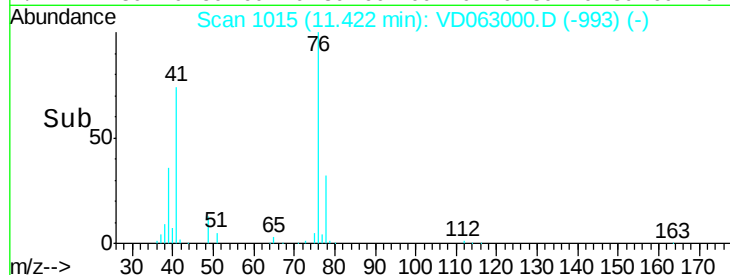
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 266.224 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD063000.D

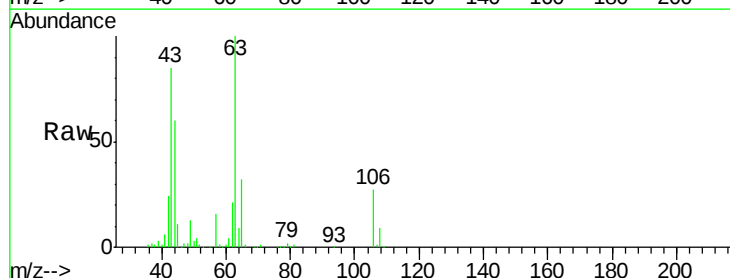
Acq: 2 Jul 2019 10:20

Tgt Ion: 63 Resp: 847889

Ion Ratio Lower Upper

63 100

106 26.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

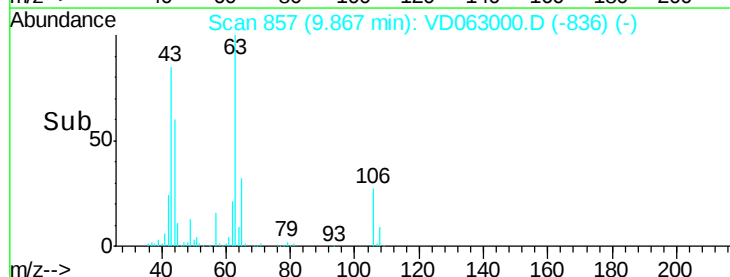
300000

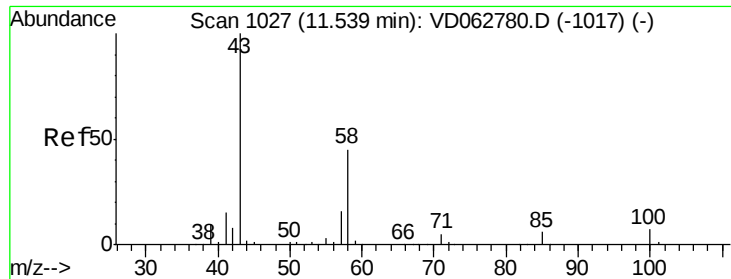
200000

100000

0

Time-->





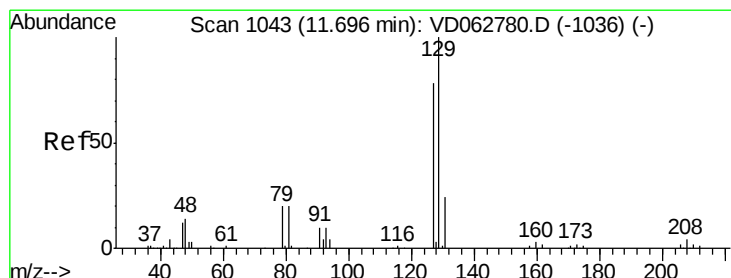
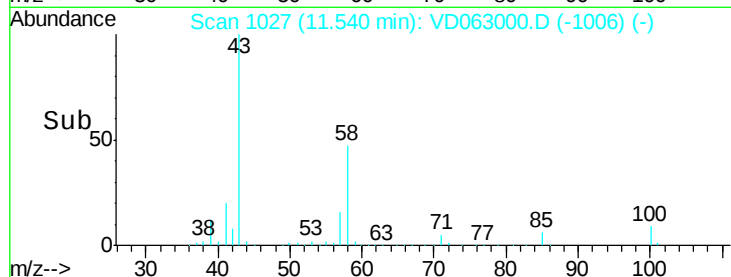
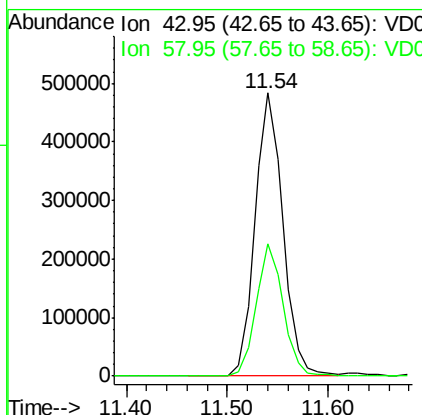
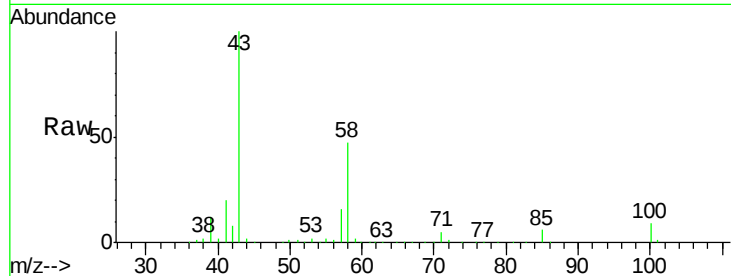
#59
2-Hexanone
Concen: 280.670 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 930389
Ion Ratio Lower Upper
43 100
58 46.8 22.4 67.2

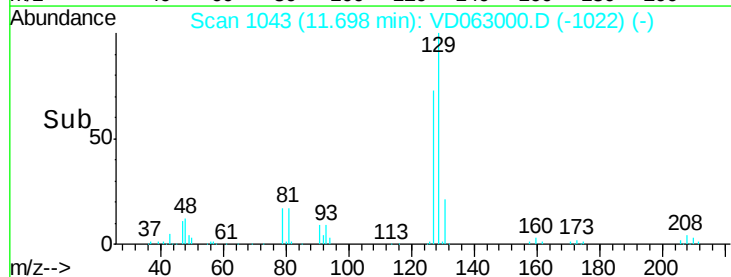
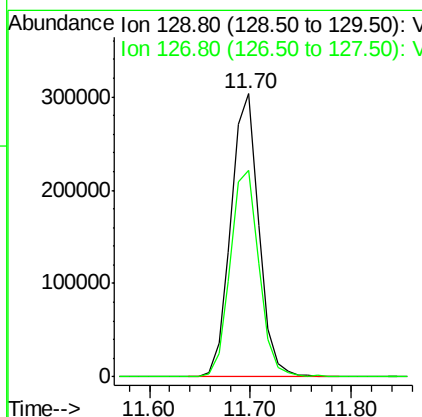
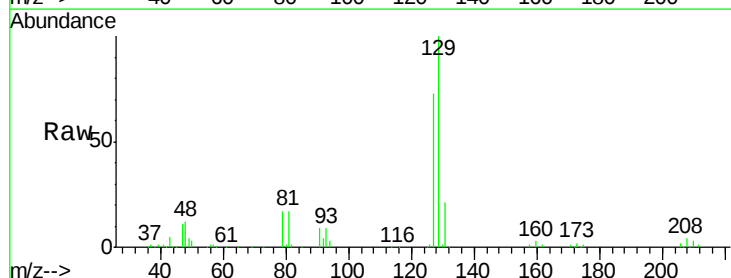
Manual Integrations
APPROVED

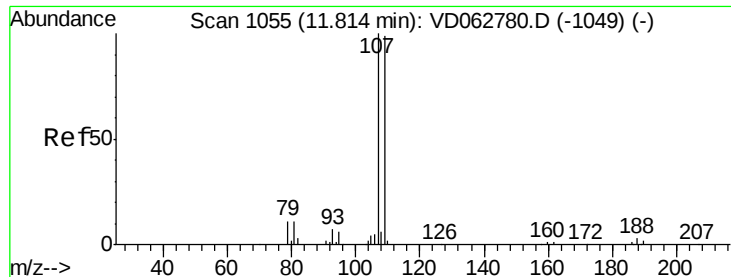
MMDadoda
7/3/2019 9:36:45 AM



#60
Dibromochloromethane
Concen: 54.021 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 129 Resp: 584099
Ion Ratio Lower Upper
129 100
127 73.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 55.144 ug/l

RT: 11.82 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 378060

Ion Ratio Lower Upper

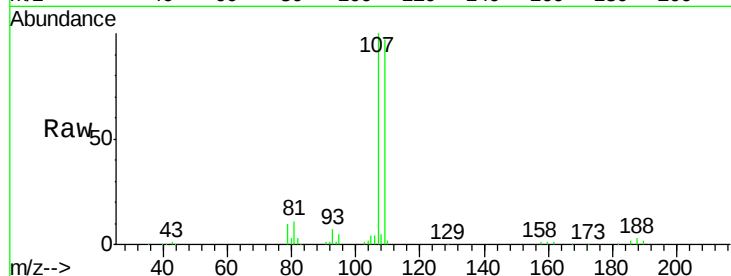
107 100

109 97.3 79.3 118.9

Manual Integrations
APPROVED

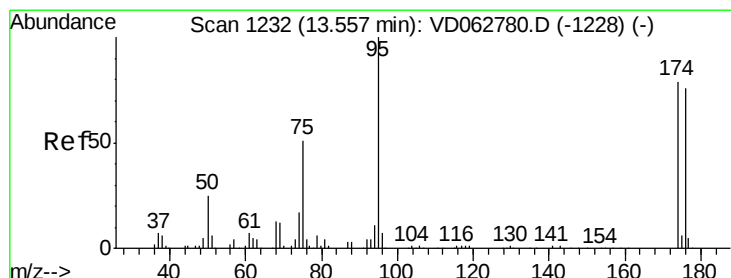
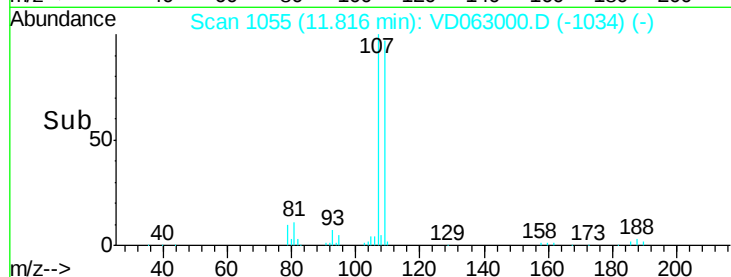
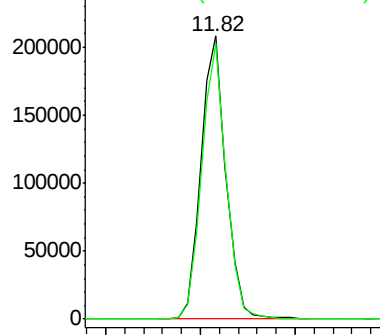
MMDadoda

7/3/2019 9:36:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 48.333 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

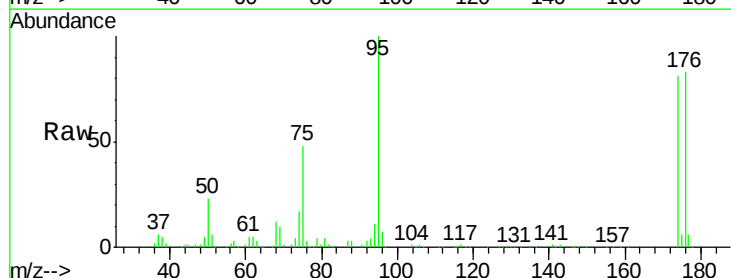
Tgt Ion: 95 Resp: 533523

Ion Ratio Lower Upper

95 100

174 81.5 0.0 158.0

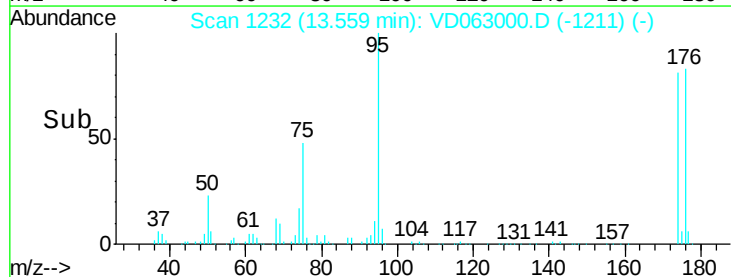
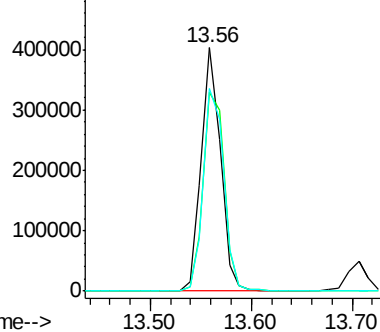
176 83.2 0.0 151.6

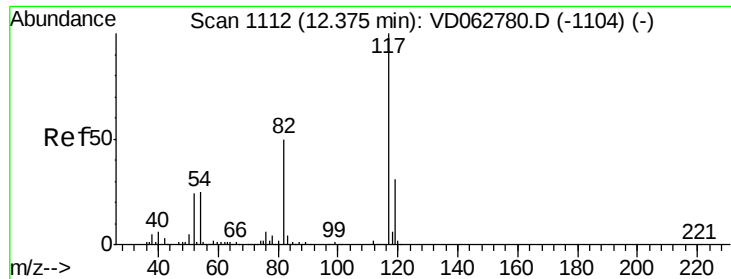


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





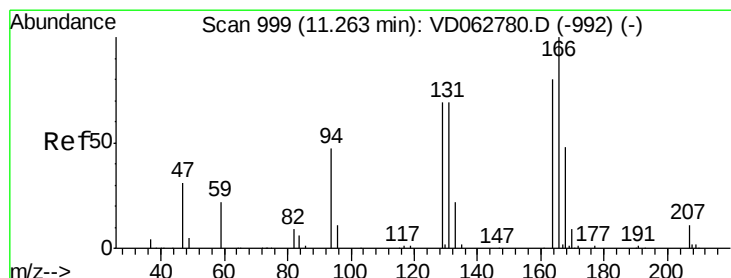
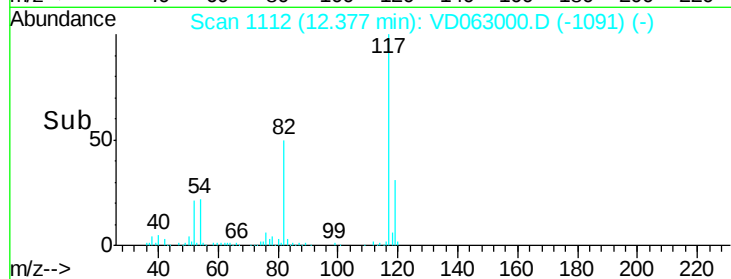
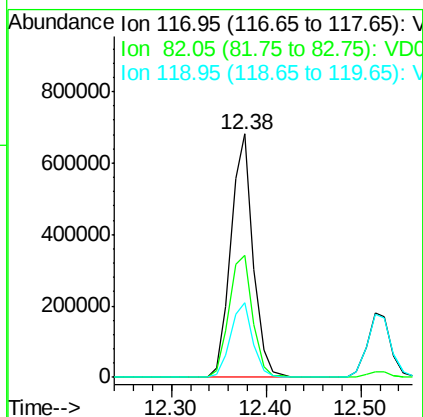
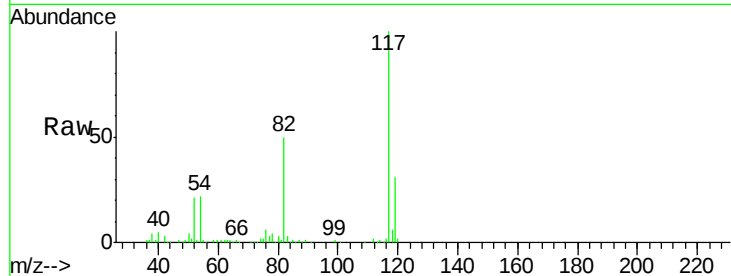
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.4	60.6
119	30.8	25.2	37.8

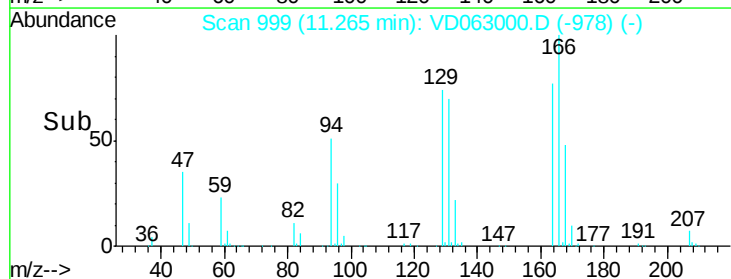
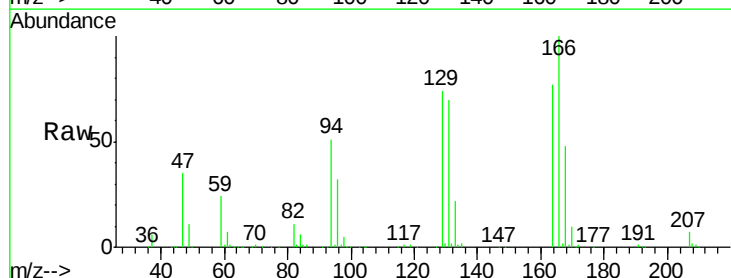
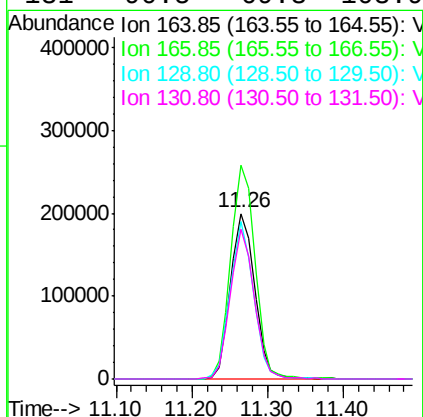
Manual Integrations
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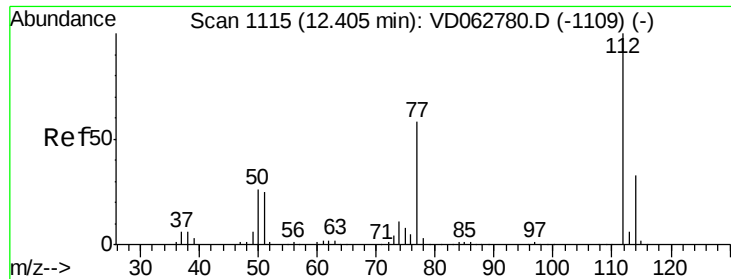
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7/3/2019 9:36:45 AM



#64
Tetrachloroethene
Concen: 48.774 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.6	150.8
129	95.5	69.4	104.0
131	90.5	69.3	103.9





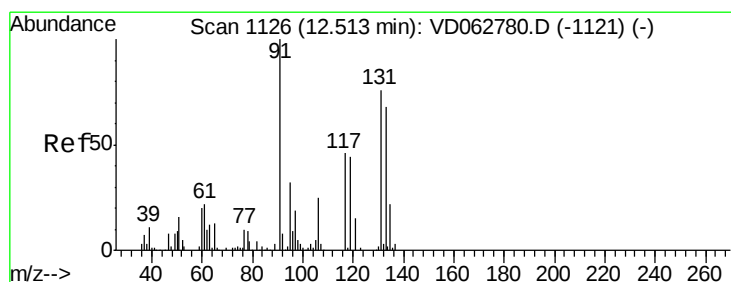
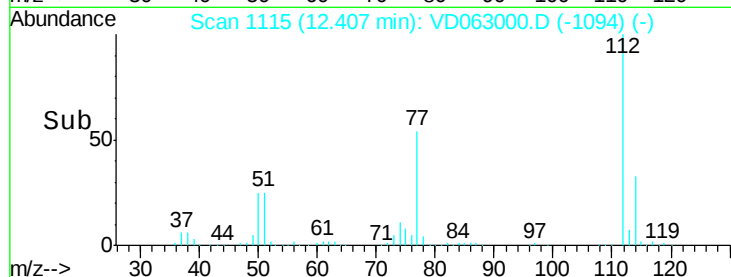
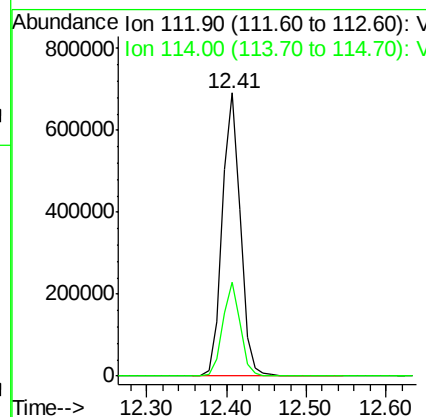
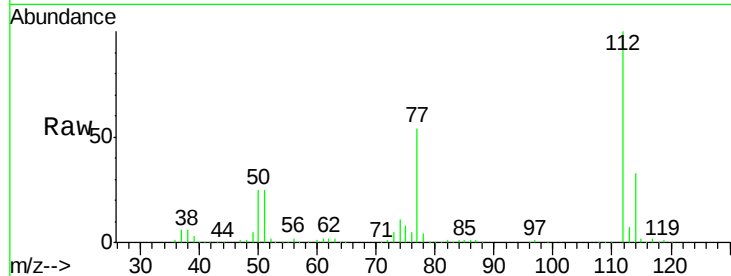
#65
Chlorobenzene
Concen: 54.184 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1111772
Ion Ratio Lower Upper
112 100
114 33.2 26.3 39.5

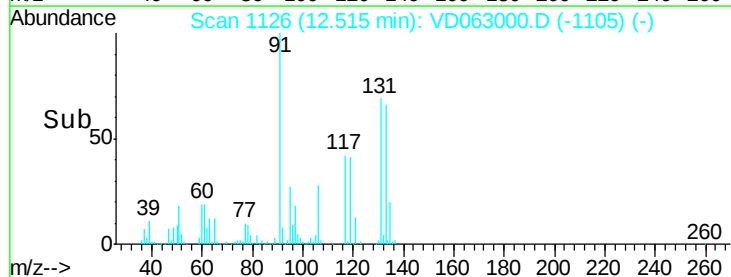
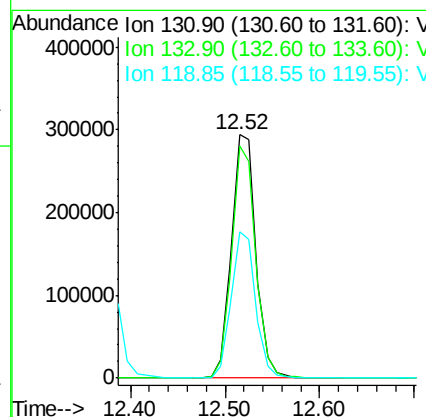
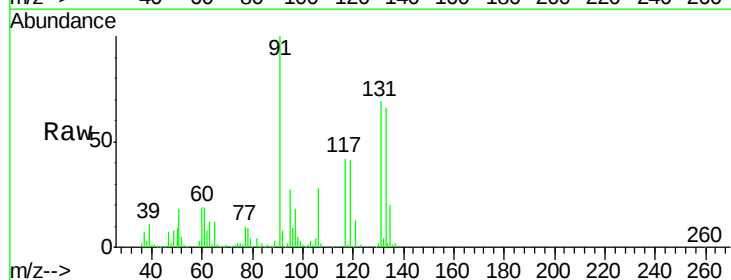
Manual Integrations
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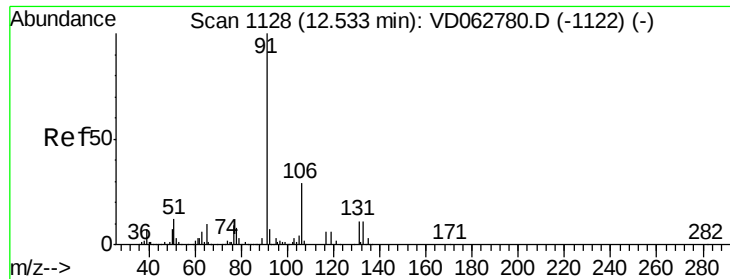
MMDadoda
7/3/2019 9:36:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.687 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:131 Resp: 524753
Ion Ratio Lower Upper
131 100
133 95.5 44.5 133.3
119 60.1 28.6 85.9





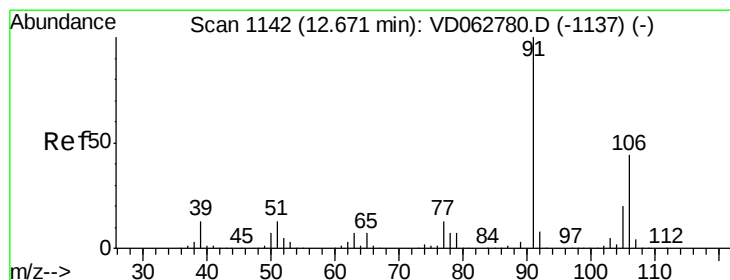
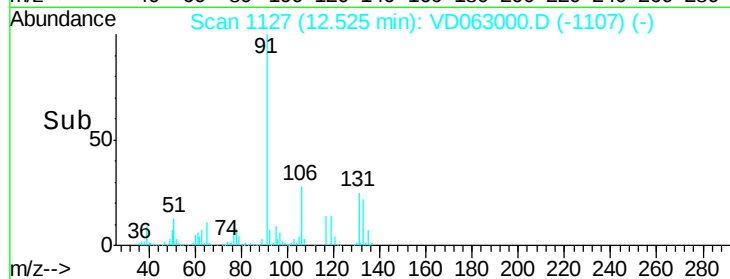
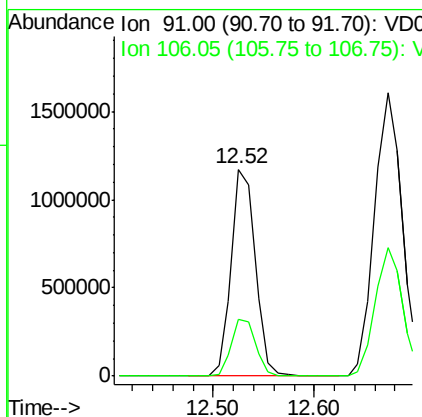
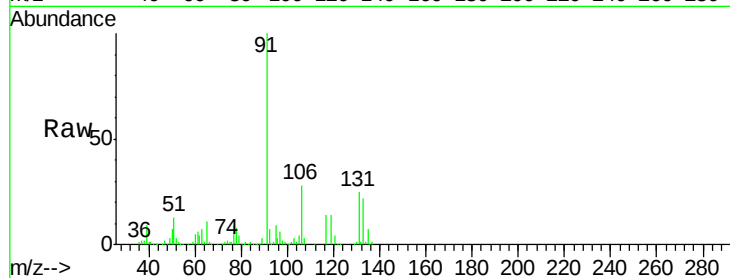
#67
Ethyl Benzene
Concen: 52.917 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1949388
Ion Ratio Lower Upper
91 100
106 27.6 23.1 34.7

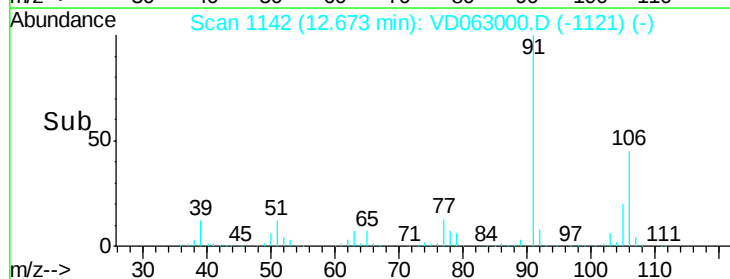
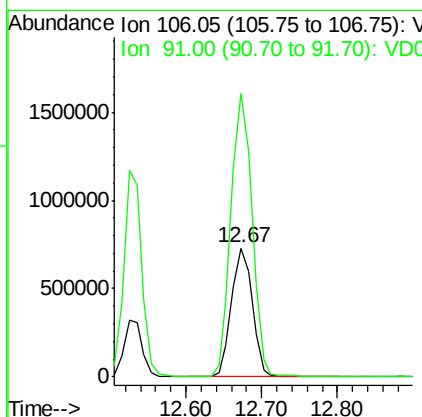
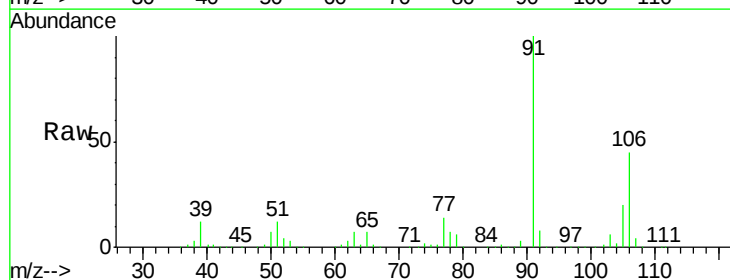
Manual Integrations
APPROVED

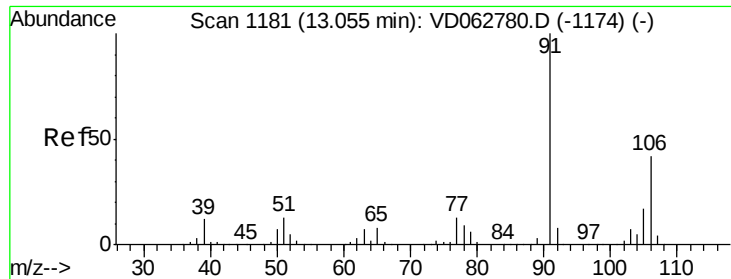
MMDadoda
7/3/2019 9:36:45 AM



#68
m/p-Xylenes
Concen: 108.183 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 106 Resp: 1388049
Ion Ratio Lower Upper
106 100
91 220.1 183.0 274.6





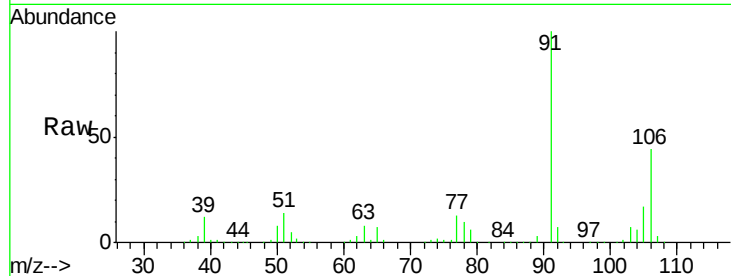
#69
o-Xylene
Concen: 53.418 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

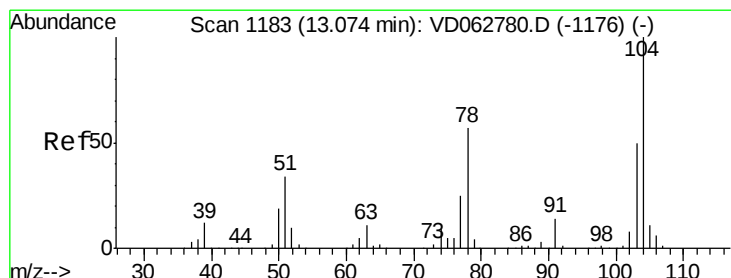
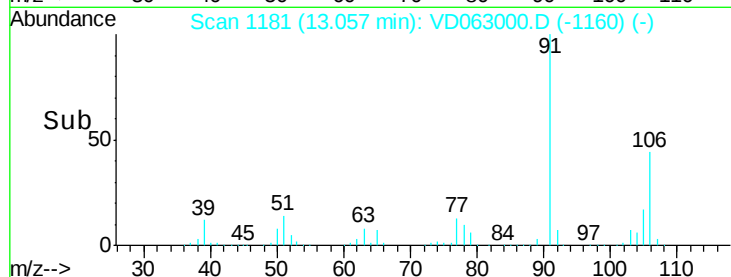
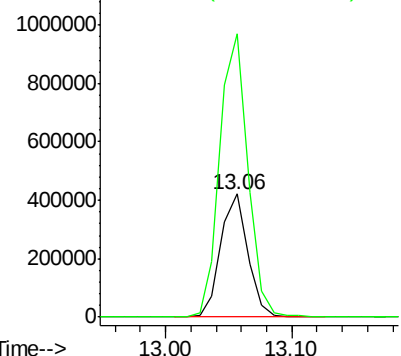
Tot Ion:106 Resp: 626543
Ion Ratio Lower Upper
106 100
91 229.5 117.9 353.6

Manual Integrations
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7/3/2019 9:36:45 AM

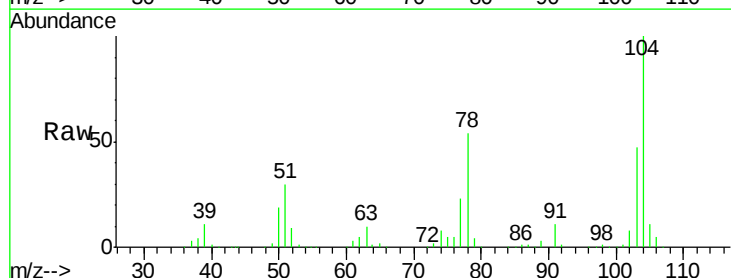


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

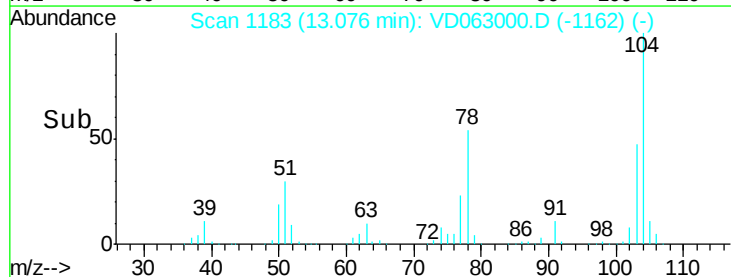
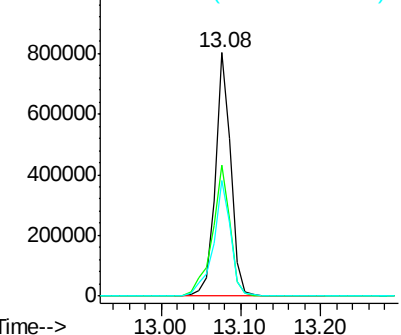


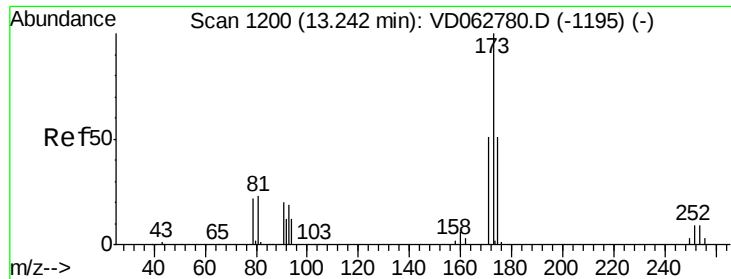
#70
Styrene
Concen: 53.198 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:104 Resp: 1095966
Ion Ratio Lower Upper
104 100
78 53.8 45.4 68.2
103 47.3 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: 54.885 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

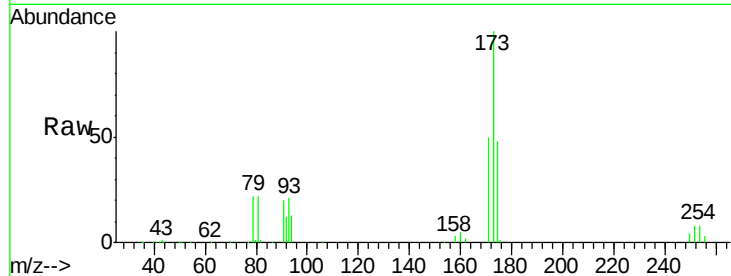
ClientSampleId :

VSTDCCC050

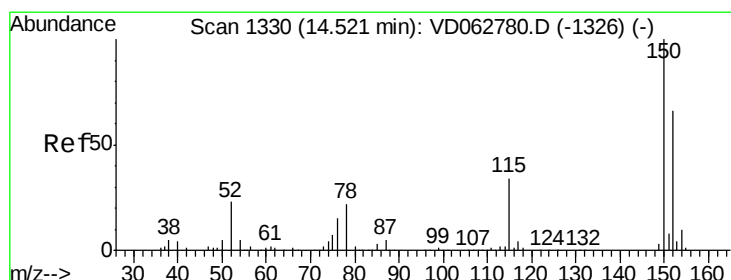
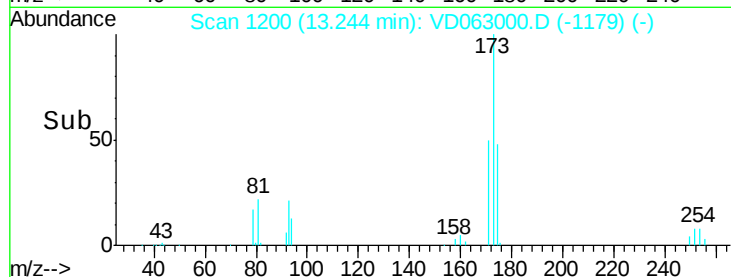
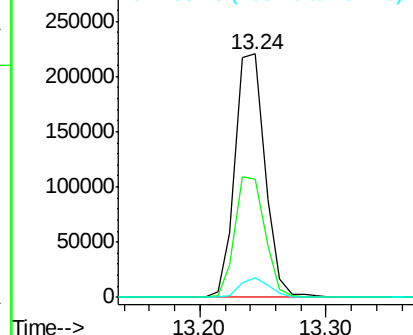
Tot Ion:	173	Resp:	360834
Ion Ratio	Lower	Upper	
173	100		
175	48.4	25.3	75.9
254	7.9	7.1	10.7

Manual Integrations
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

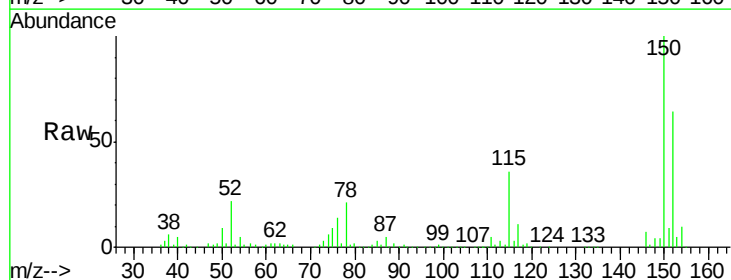
RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

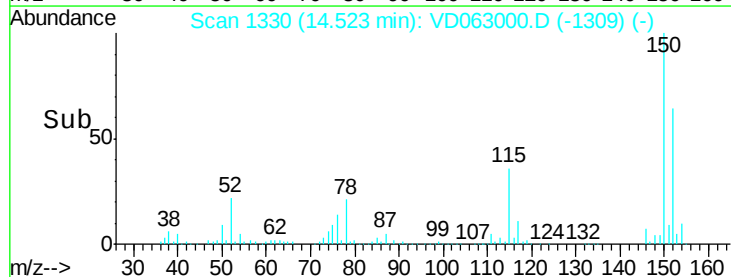
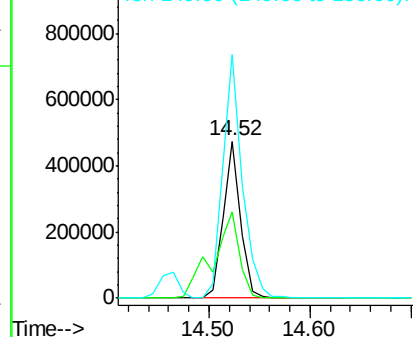
Lab File: VD063000.D

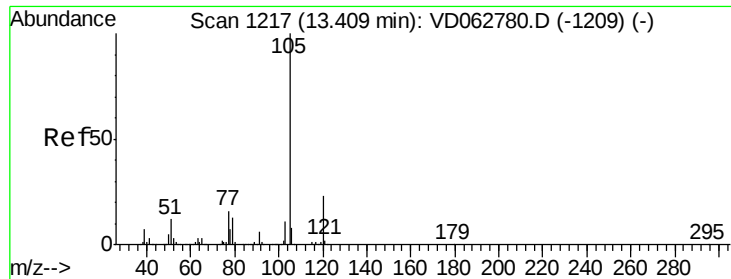
Acq: 2 Jul 2019 10:20

Tgt Ion:	152	Resp:	569899
Ion Ratio	Lower	Upper	
152	100		
115	55.3	29.2	87.6
150	155.2	0.0	305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.280 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1946881

Ion Ratio Lower Upper

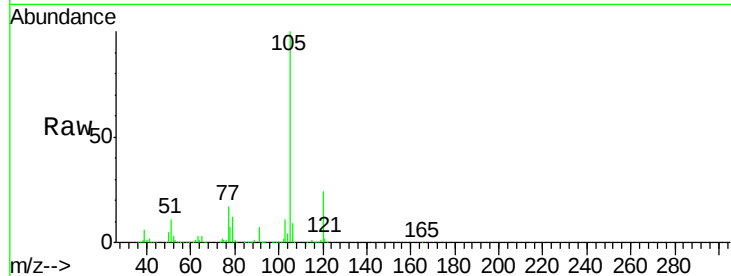
105 100

120 24.5 11.6 34.7

Manual Integrations
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7/3/2019 9:36:45 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

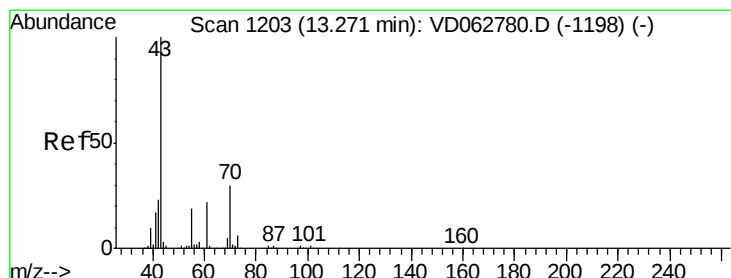
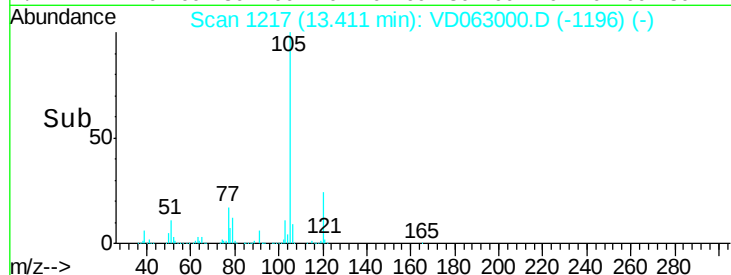
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 62.038 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion: 43 Resp: 550513

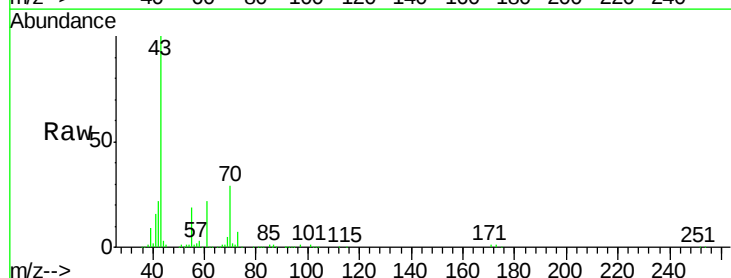
Ion Ratio Lower Upper

43 100

70 29.0 24.4 36.6

55 19.1 15.2 22.8

61 22.2 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

600000

500000

400000

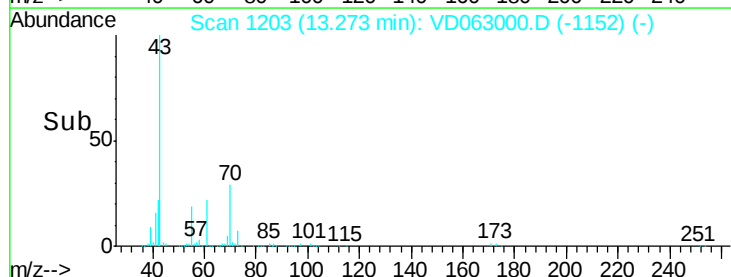
300000

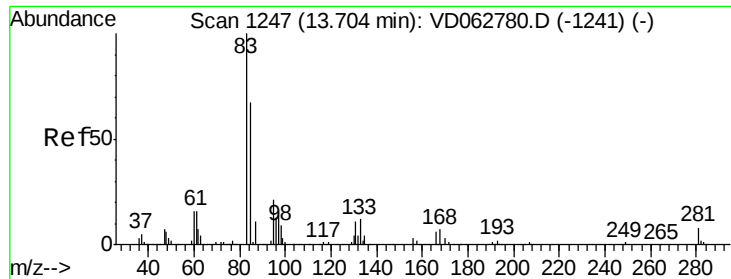
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 61.069 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 363588

Ion Ratio Lower Upper

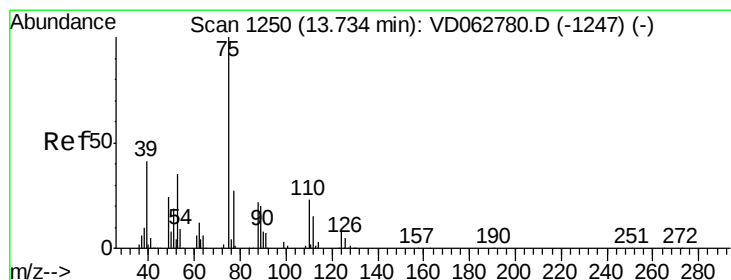
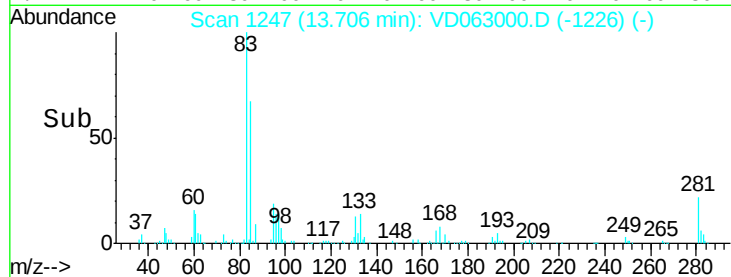
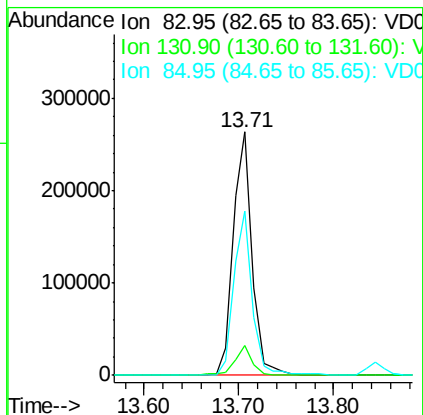
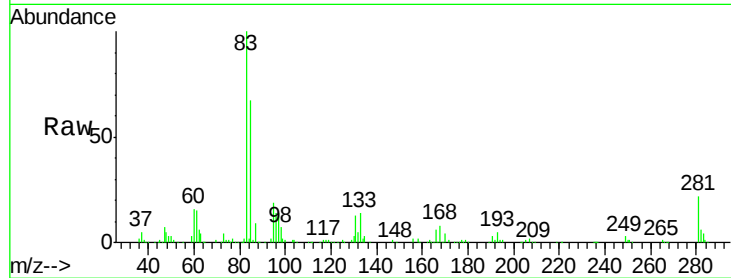
83 100

131 12.5 5.3 16.1

85 67.4 33.7 101.1

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 57.811 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063000.D

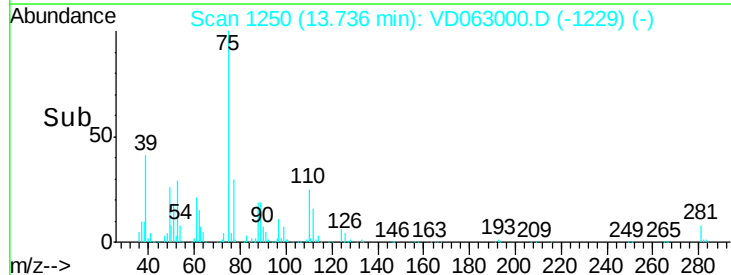
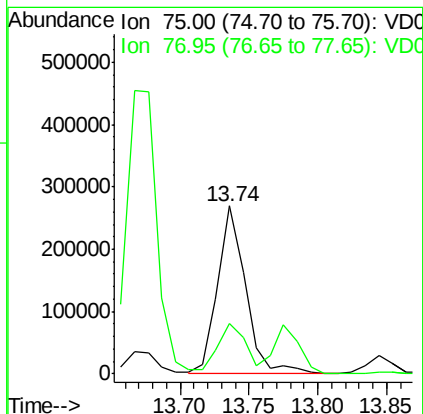
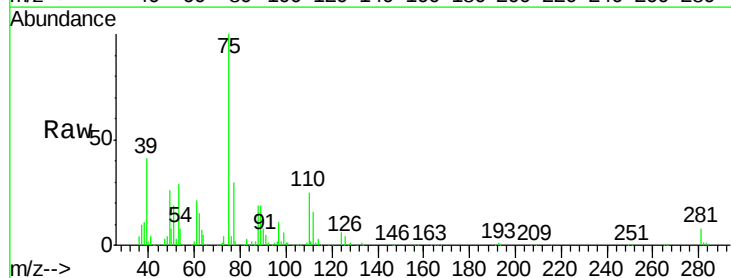
Acq: 2 Jul 2019 10:20

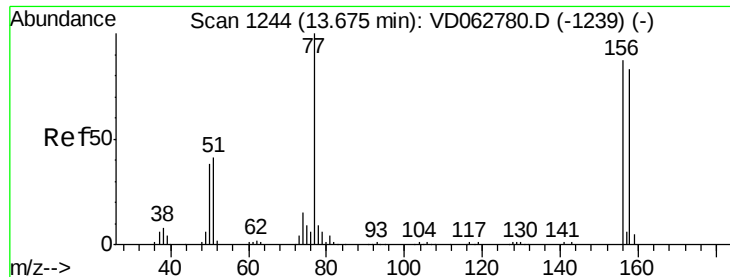
Tgt Ion: 75 Resp: 380342

Ion Ratio Lower Upper

75 100

77 29.8 15.0 45.1





#77

Bromobenzene

Concen: 55.967 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 550072

Ion Ratio Lower Upper

156 100

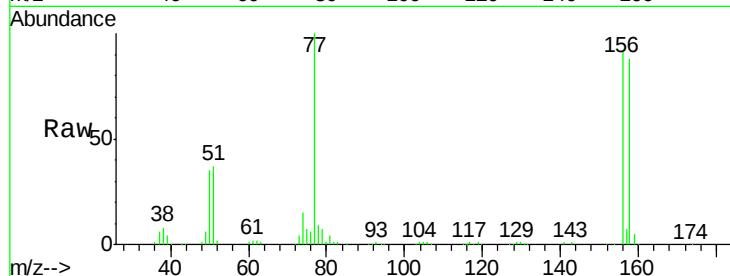
77 108.6 57.7 173.1

158 95.9 47.7 143.1

Manual Integrations
APPROVED

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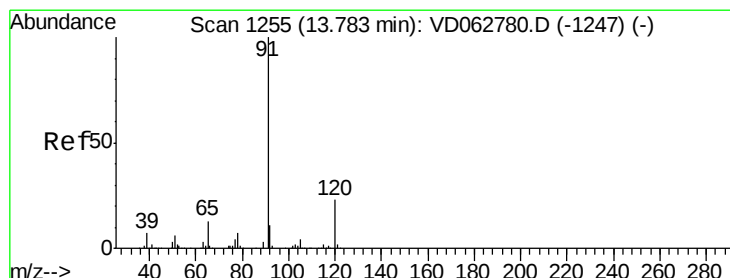
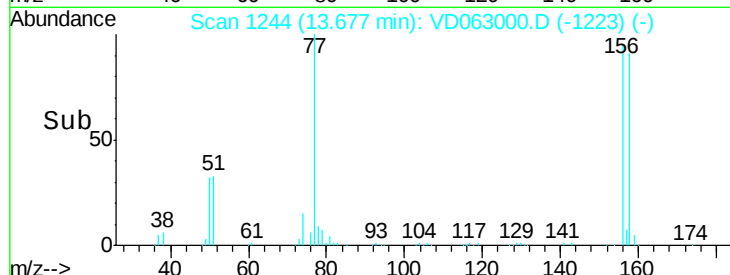
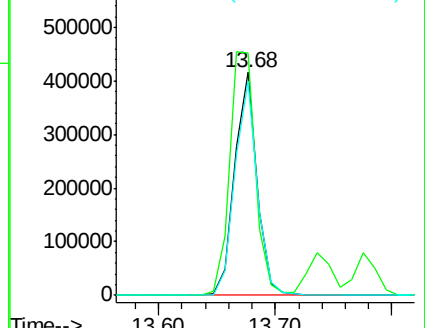
7/3/2019 9:36:45 AM



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: 54.079 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063000.D

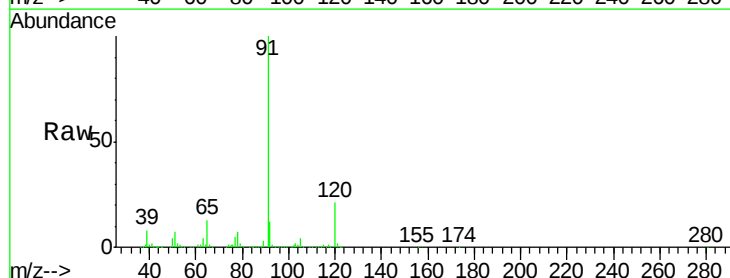
Acq: 2 Jul 2019 10:20

Tgt Ion: 91 Resp: 2300006

Ion Ratio Lower Upper

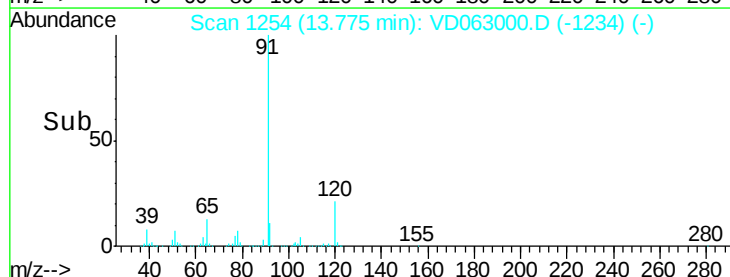
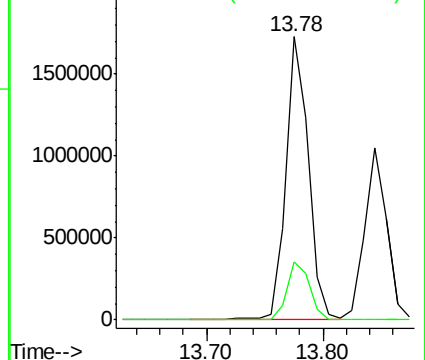
91 100

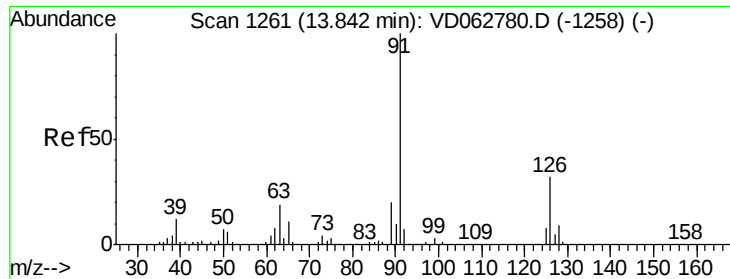
120 20.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.748 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1379268

Ion Ratio Lower Upper

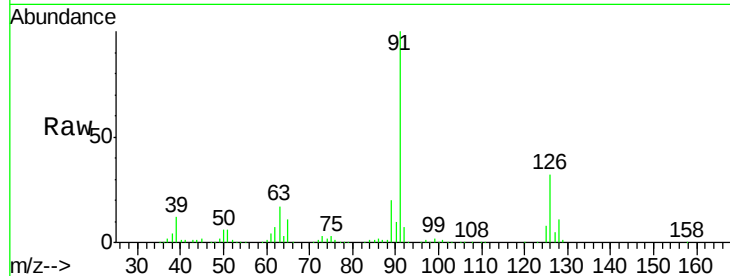
91 100

126 32.4 15.7 47.1

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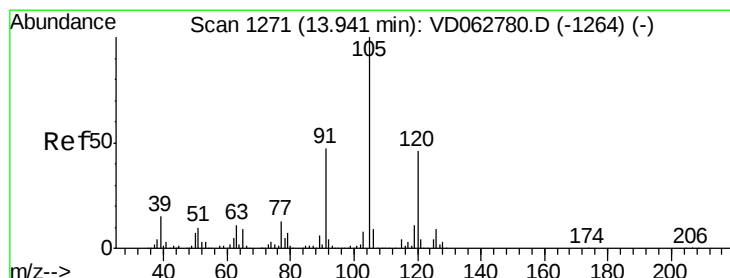
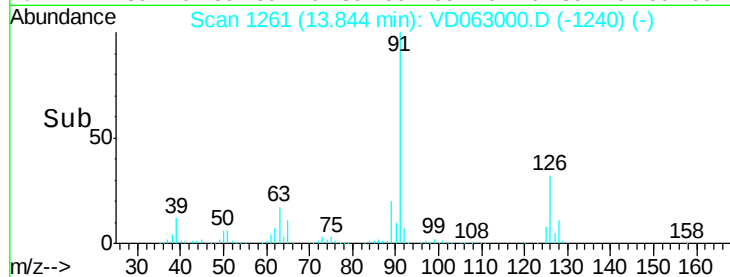
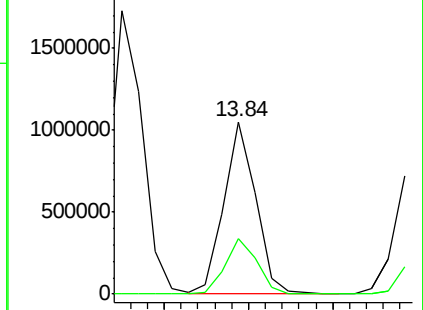
MMDadoda

7/3/2019 9:36:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.778 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063000.D

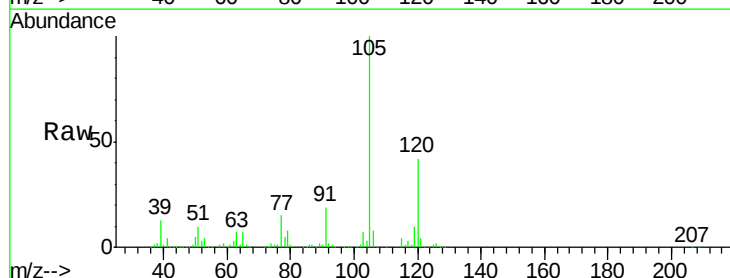
Acq: 2 Jul 2019 10:20

Tgt Ion: 105 Resp: 1681289

Ion Ratio Lower Upper

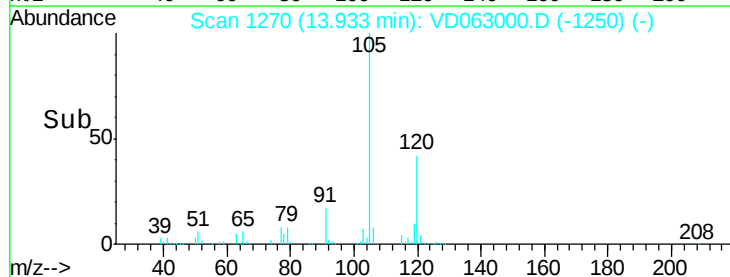
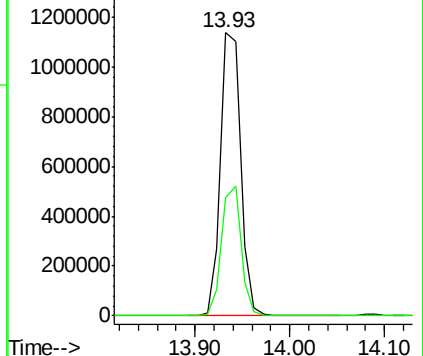
105 100

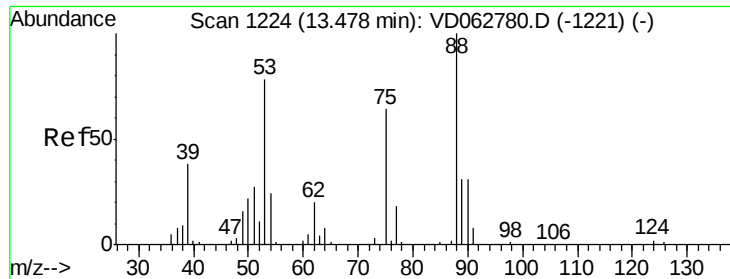
120 42.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





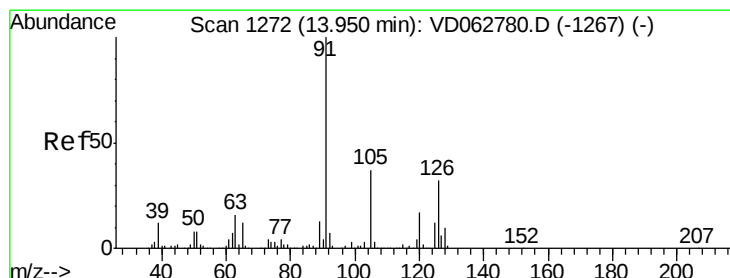
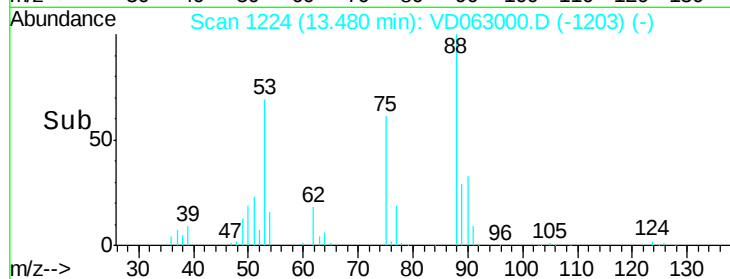
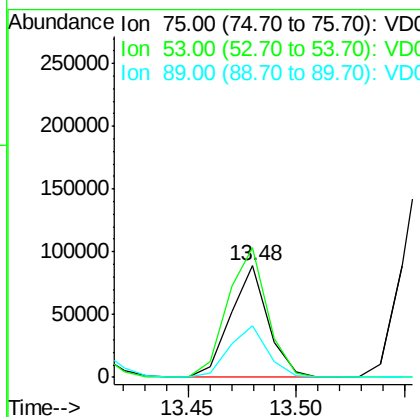
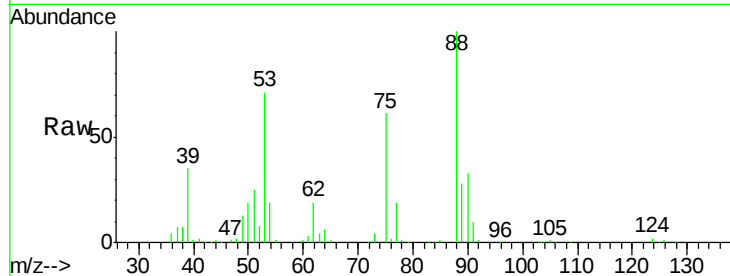
#81
trans-1,4-Dichloro-2-butene
Concen: 62.730 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.0	97.8	146.8
89	46.5	39.4	59.2

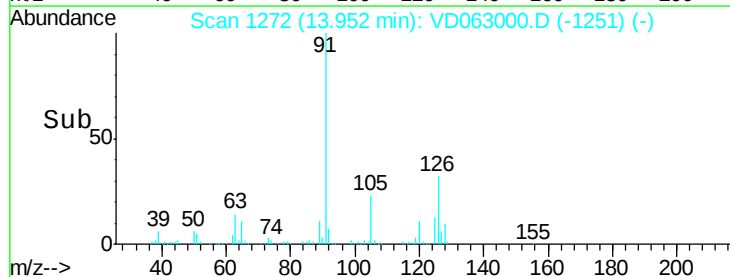
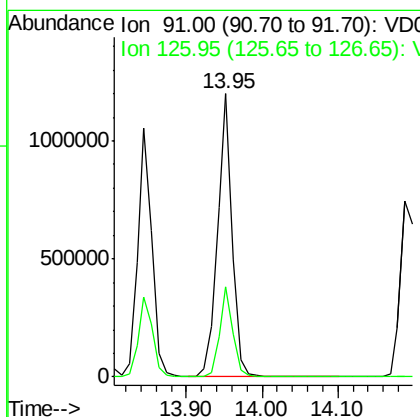
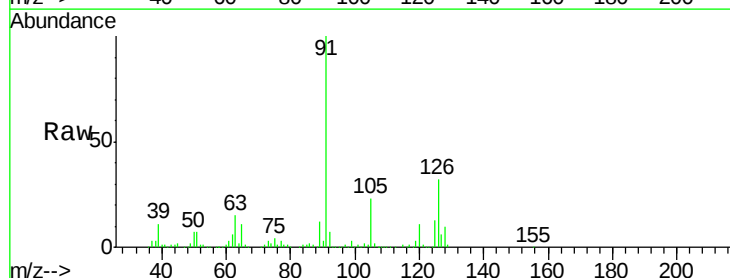
Manual Integrations
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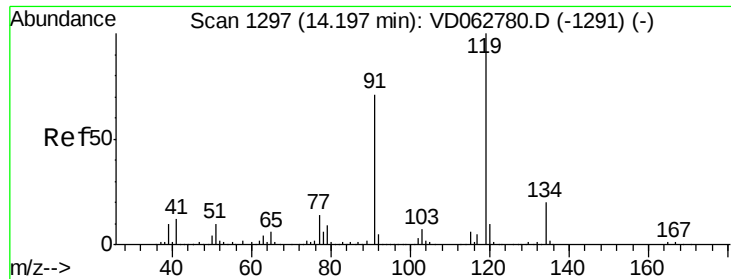
MMDadoda
7/3/2019 9:36:45 AM



#82
4-Chlorotoluene
Concen: 55.805 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





#83

tert-Butylbenzene

Concen: 55.938 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1913759

Ion Ratio Lower Upper

119 100

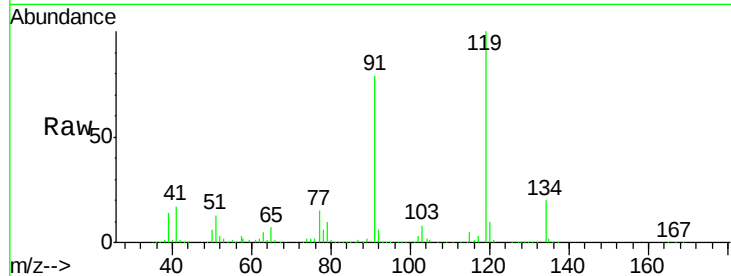
91 79.1 35.5 106.5

134 20.4 10.2 30.6

Manual Integrations
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MMDadoda

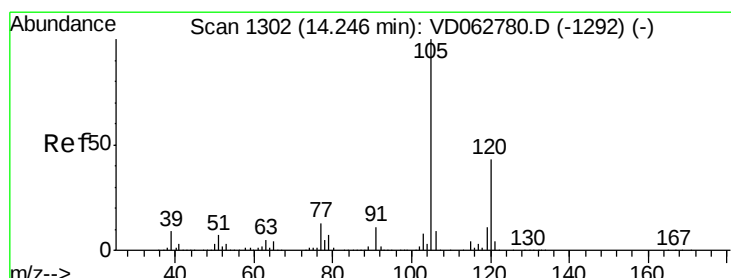
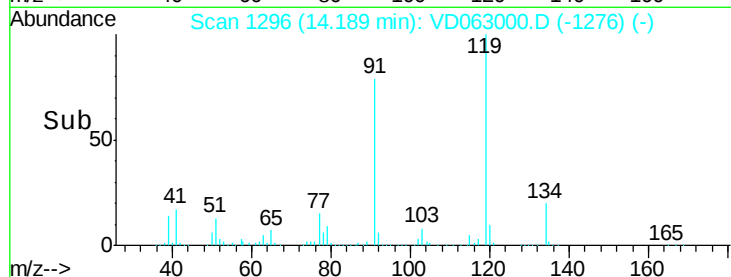
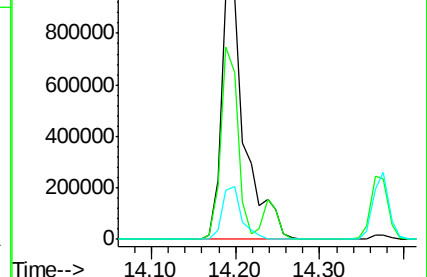
7/3/2019 9:36:45 AM



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: 55.199 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063000.D

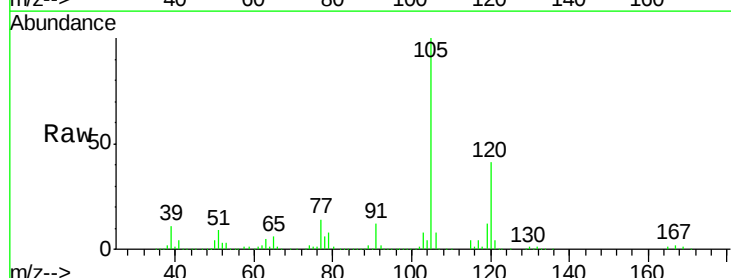
Acq: 2 Jul 2019 10:20

Tgt Ion:105 Resp: 1736489

Ion Ratio Lower Upper

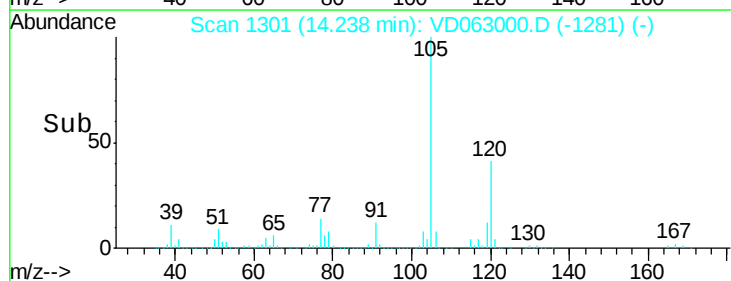
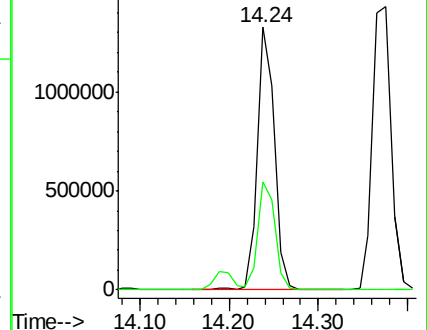
105 100

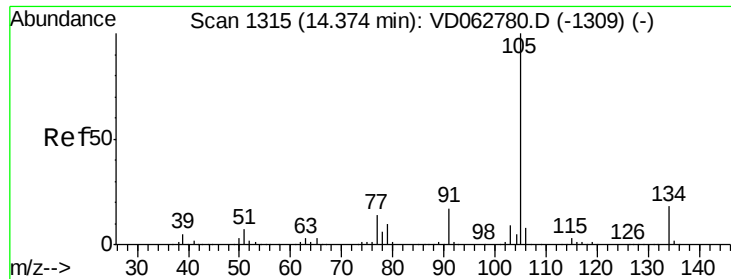
120 40.9 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





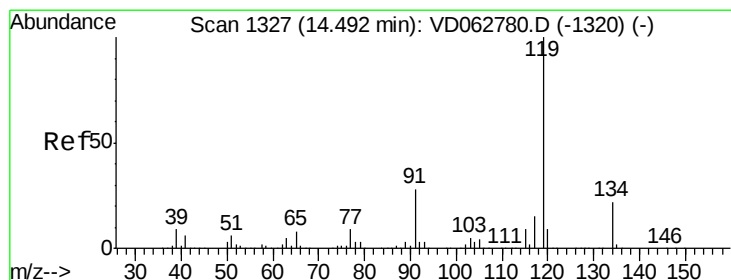
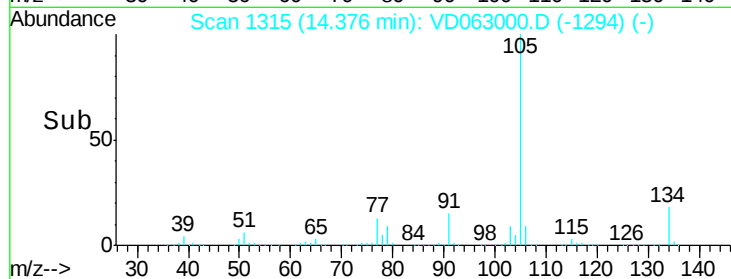
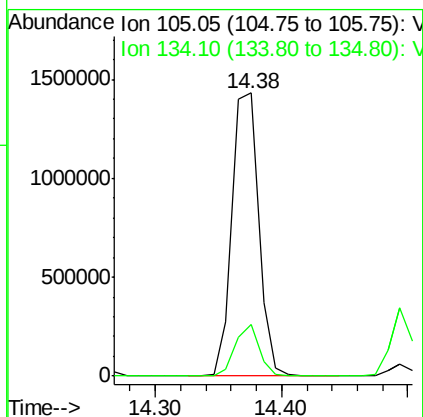
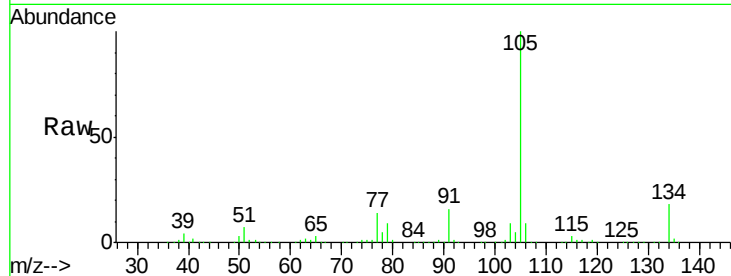
#85
 sec-Butylbenzene
 Concen: 56.105 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2086209
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.1 27.3

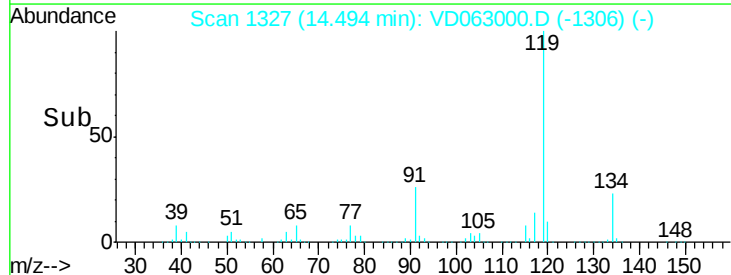
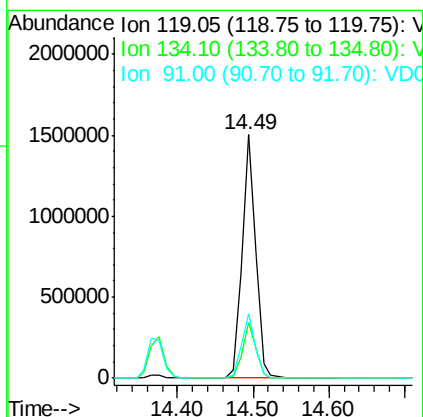
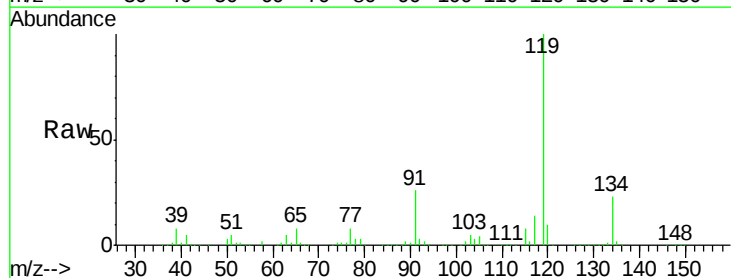
Manual Integrations
 APPROVED

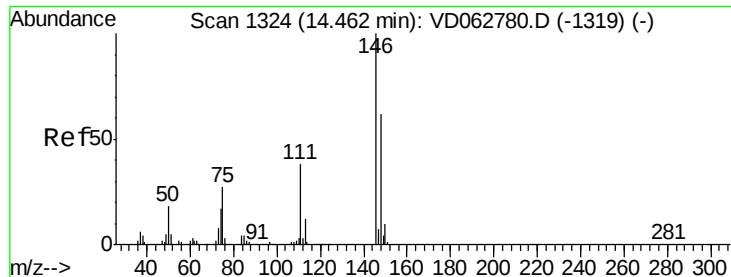
MMDadoda
 7/3/2019 9:36:45 AM



#86
 p-Isopropyltoluene
 Concen: 53.214 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion:119 Resp: 1810208
 Ion Ratio Lower Upper
 119 100
 134 22.9 11.1 33.1
 91 26.2 14.0 41.9





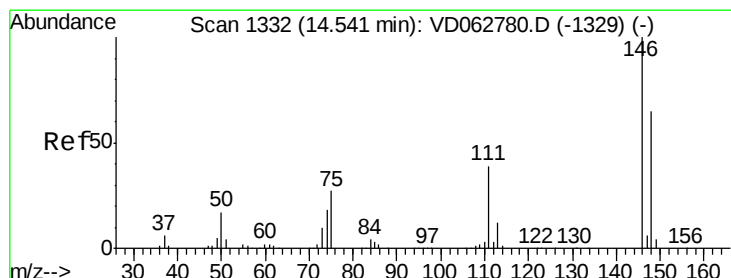
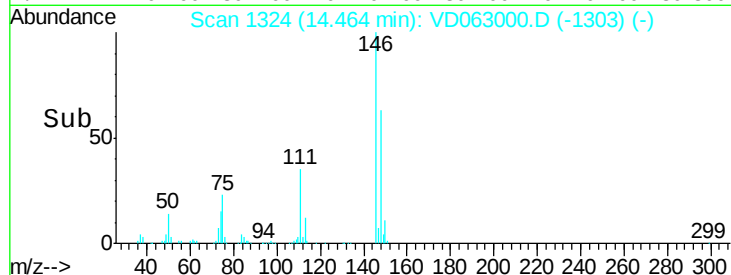
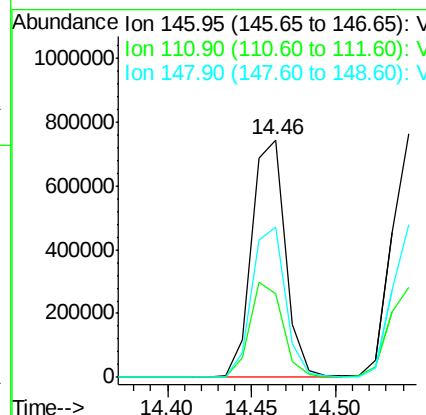
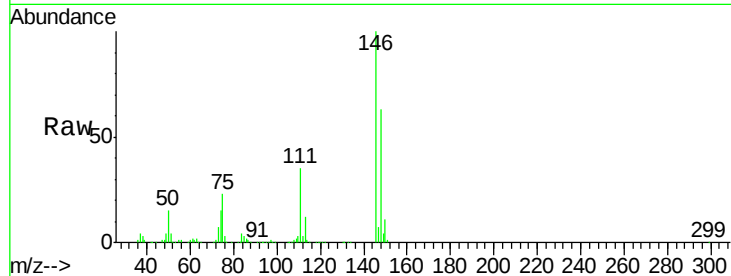
#87
 1,3-Dichlorobenzene
 Concen: 58.628 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1032916
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.0 57.0
 148 63.0 30.8 92.3

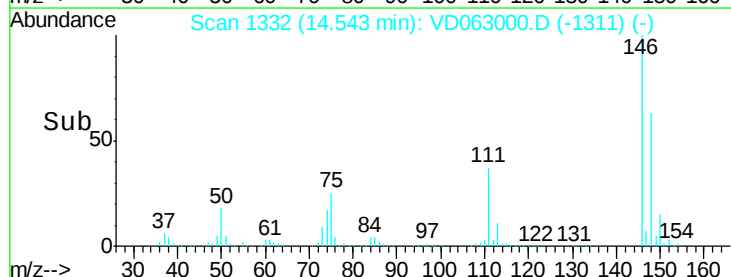
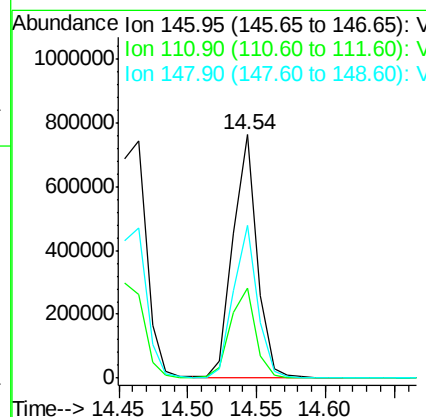
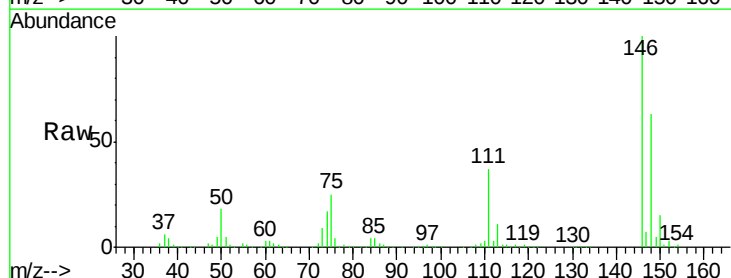
Manual Integrations
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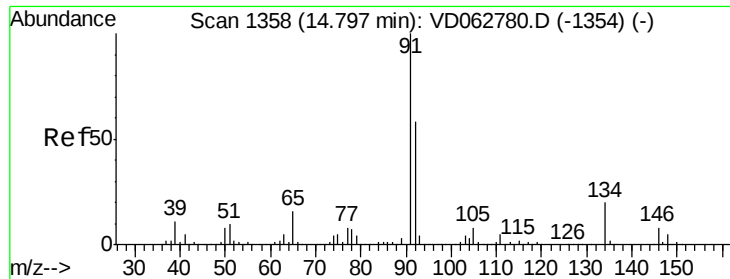
MMDadoda
 7/3/2019 9:36:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.485 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion:146 Resp: 928760
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.7 59.1
 148 62.6 32.8 98.3





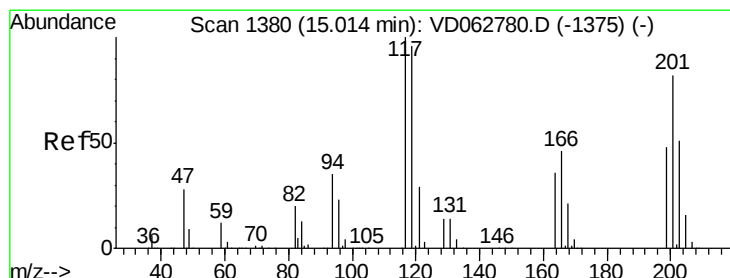
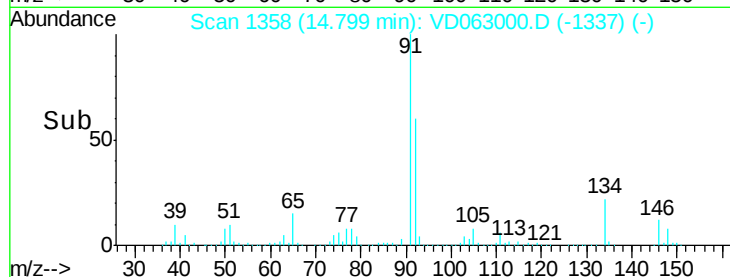
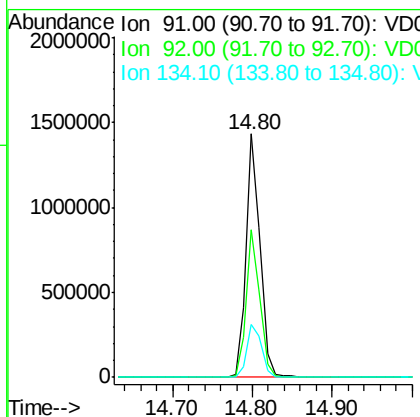
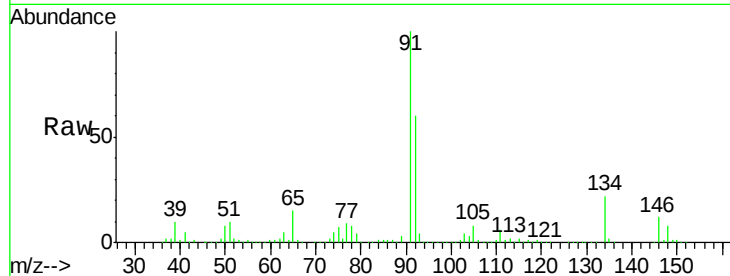
#89
n-Butylbenzene
Concen: 54.255 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1727431
Ion Ratio Lower Upper
91 100
92 60.4 28.9 86.7
134 21.5 10.1 30.3

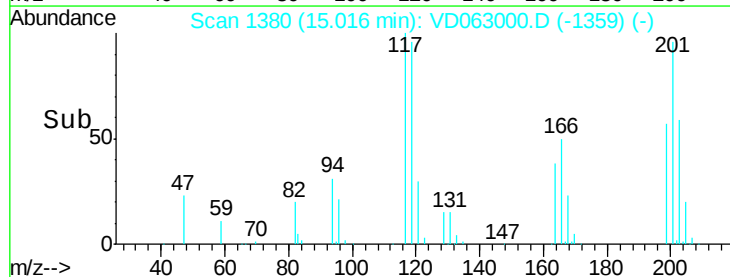
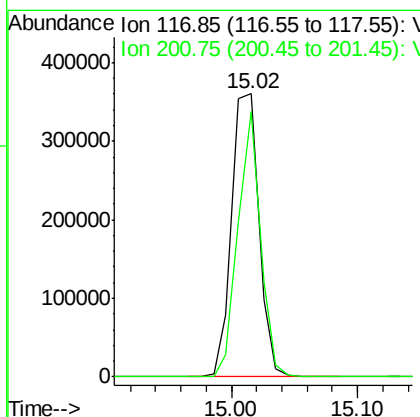
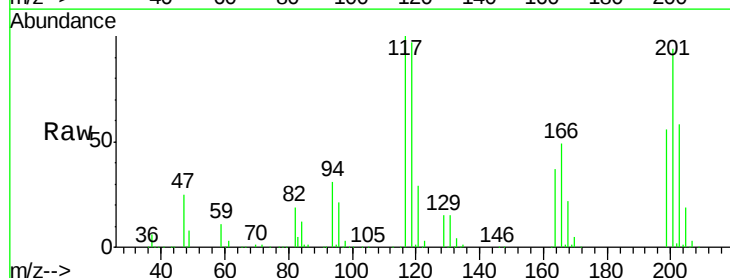
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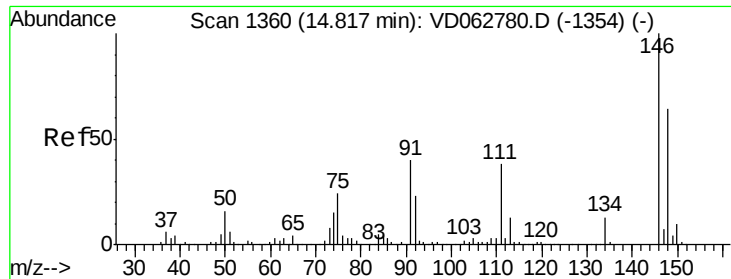
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#90
Hexachloroethane
Concen: 58.842 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 117 Resp: 538179
Ion Ratio Lower Upper
117 100
201 93.7 40.8 122.2





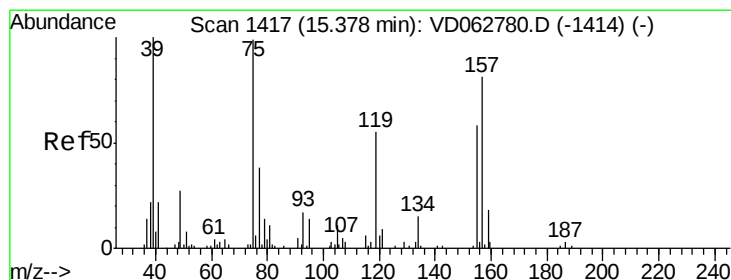
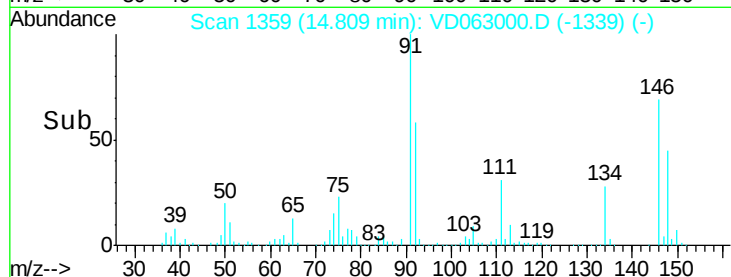
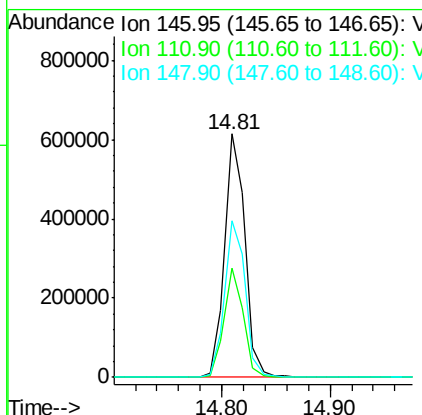
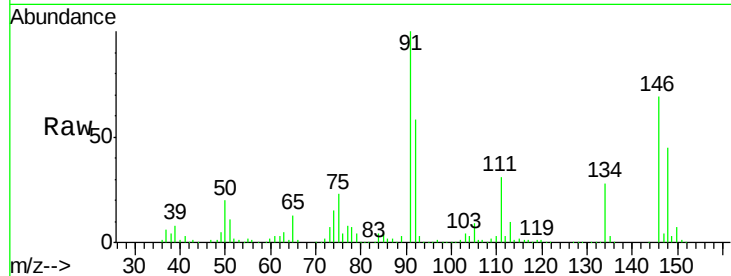
#91
 1,2-Dichlorobenzene
 Concen: 53.166 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	19.1	57.1
148	64.4	32.3	96.8

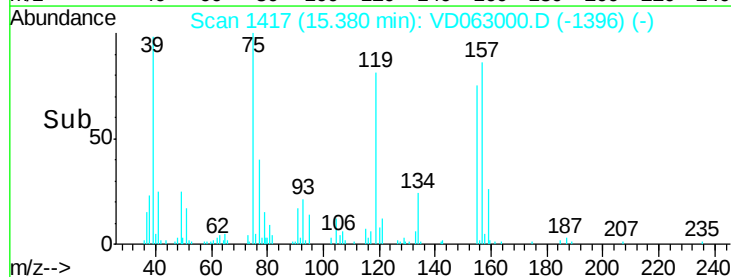
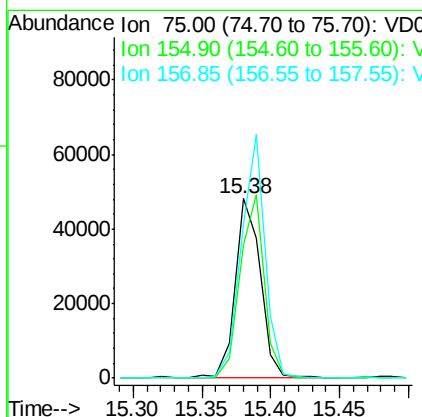
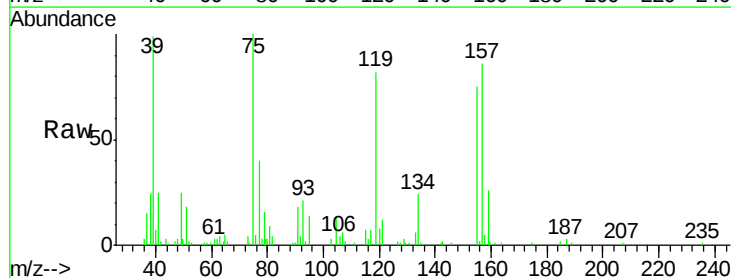
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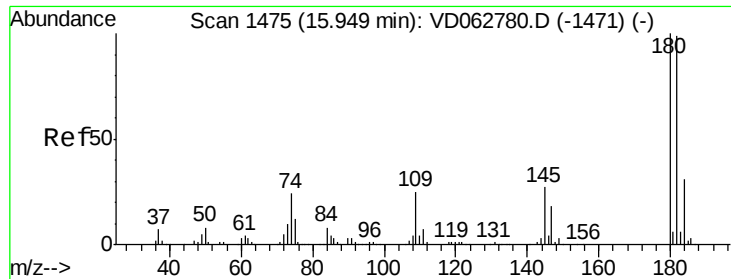
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.989 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	29.3	87.8
157	86.3	41.3	123.7





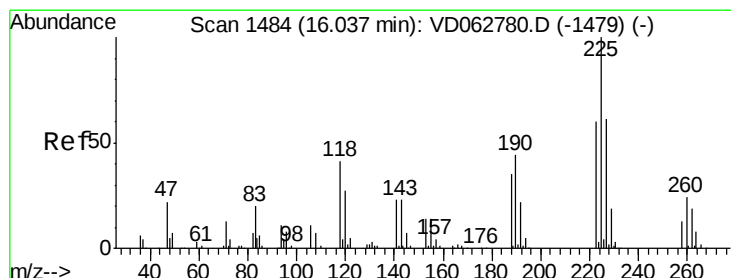
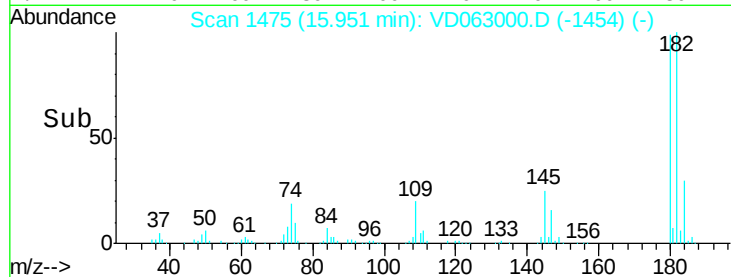
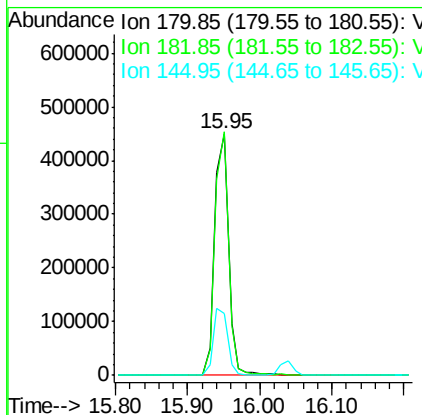
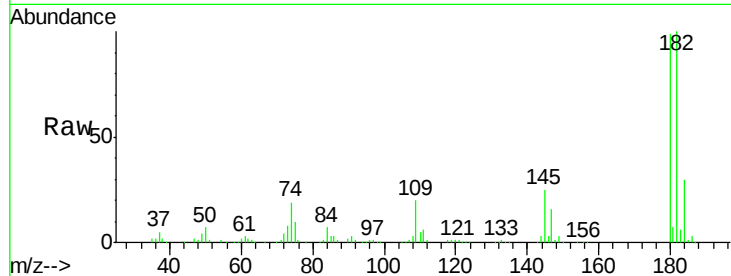
#93
 1,2,4-Trichlorobenzene
 Concen: 50.941 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.0	49.5	148.5	
145	25.5	13.7	41.0	

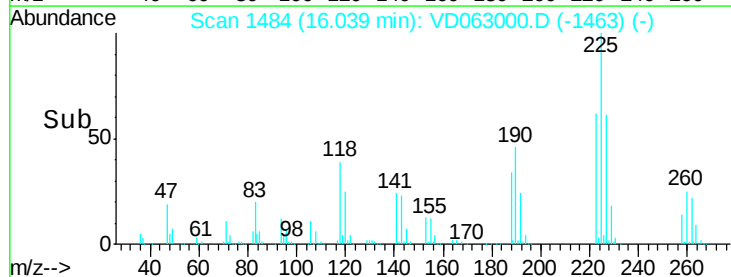
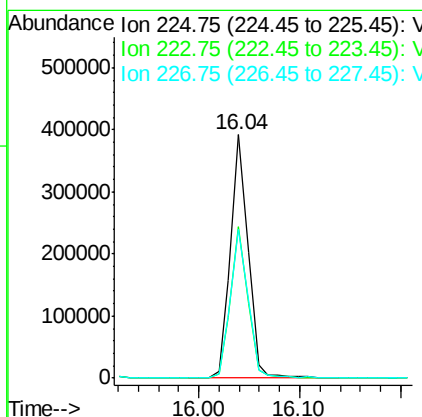
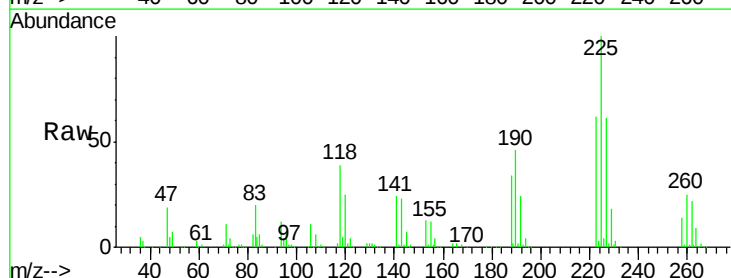
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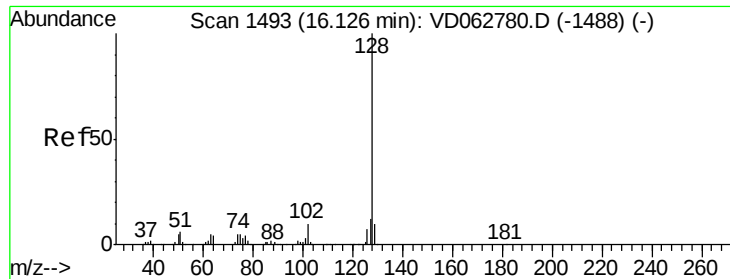
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#94
 Hexachlorobutadiene
 Concen: 52.876 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	29.8	89.5	
227	61.3	30.6	91.6	





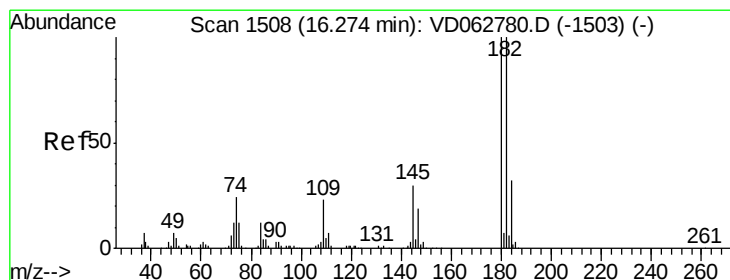
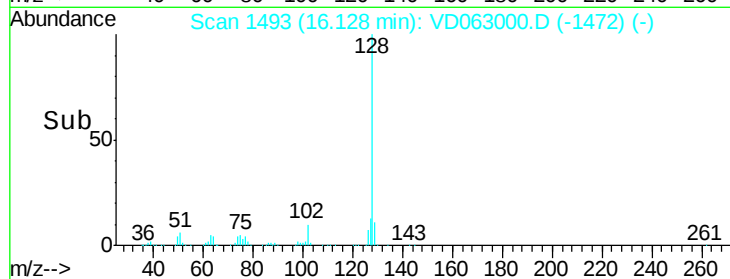
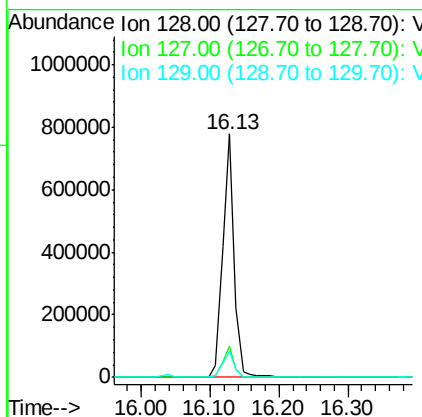
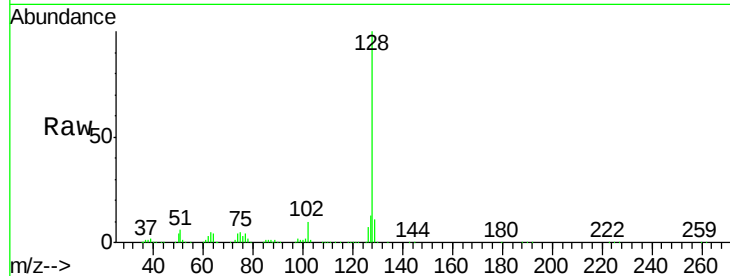
#95
Naphthalene
Concen: 54.390 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.7	14.5
129	10.6	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.459 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	49.9	149.6
145	29.3	15.2	45.5

