

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073285.D
 Acq On : 23 May 2022 16:15
 Operator : VA/SY
 Sample : N2656-24DL 4X
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: May 24 03:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	320601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	556126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	535270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188611	53.233	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.460%	
35) Dibromofluoromethane	7.909	113	192858	52.554	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.332	98	681012	50.343	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.680%	
62) 4-Bromofluorobenzene	12.620	95	243175	51.224	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	1308	Below Cal	#	66
11) Tert butyl alcohol	5.173	59	21633	39.353	ug/l #	74
15) Acrylonitrile	5.456	53	847	1.151	ug/l #	32
16) Acetone	4.150	43	120062	195.636	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	171871	23.415	ug/l	98
20) Methylene Chloride	4.950	84	26391	3.029	ug/l	88
21) trans-1,2-Dichloroethene	5.468	96	55651	14.286	ug/l	95
24) 1,1-Dichloroethane	6.256	63	113630	16.238	ug/l	98
25) 2-Butanone	7.209	43	103735	115.535	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	94728	21.976	ug/l	81
28) Bromochloromethane	7.703	49	19309	8.009	ug/l #	19
30) Chloroform	7.703	83	254609	34.850	ug/l	99
31) Cyclohexane	7.973	56	7531	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25128	4.553	ug/l #	52
37) Ethyl Acetate	7.209	43	103735	47.584	ug/l #	1
38) Carbon Tetrachloride	8.091	117	273106	48.816	ug/l	96
40) Benzene	8.344	78	330017	20.748	ug/l	99
42) 1,2-Dichloroethane	8.414	62	86537	19.552	ug/l	96
44) Trichloroethene	9.108	130	213639	50.367	ug/l	95
45) 1,2-Dichloropropane	9.379	63	172578	43.082	ug/l	95
48) Methyl methacrylate	9.379	41	93601	46.171	ug/l #	37
52) Toluene	10.397	92	263784	26.243	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	162262	31.906	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	108898	17.894	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	229256	45.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.956	63	146	21.706	ug/l #	48
59) 2-Hexanone	10.973	43	92069	66.727	ug/l	96
60) Dibromochloromethane	11.132	129	68284	18.407	ug/l	98
64) Tetrachloroethene	10.867	164	138010	39.365	ug/l	91
65) Chlorobenzene	11.661	112	388671	35.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	97971	24.057	ug/l	99
67) Ethyl Benzene	11.844	91	694426	36.024	ug/l #	64
68) m/p-Xylenes	11.844	106	340583	45.476	ug/l	100
69) o-Xylene	12.167	106	327183	47.555	ug/l	95
70) Styrene	12.167	104	19938	1.684	ug/l #	1
71) Bromoform	12.349	173	20364	9.716	ug/l #	97

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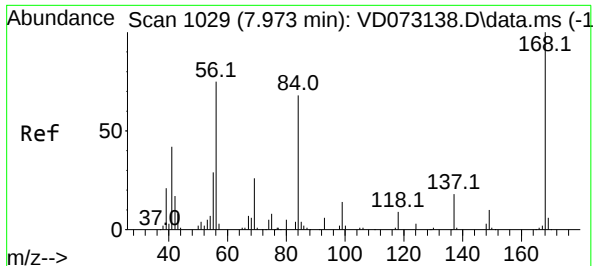
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: May 24 03:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	12.720	83	74481	21.250	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	62426	23.867	ug/l #	100
78) n-propylbenzene	12.897	91	504765	21.157	ug/l #	54
79) 2-Chlorotoluene	12.897	91	504765	36.643	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	541584	33.642	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.620	75	123889	113.711	ug/l #	7
82) 4-Chlorotoluene	12.897	91	504765	34.959	ug/l	99
83) tert-Butylbenzene	12.944	119	67310	4.961	ug/l #	77
86) p-Isopropyltoluene	13.502	119	266099	15.757	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	215842	23.937	ug/l	99
88) 1,4-Dichlorobenzene	13.502	146	215842	23.713	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	327371	41.961	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	69839	15.767	ug/l	97
95) Naphthalene	15.379	128	335426	39.269	ug/l	100

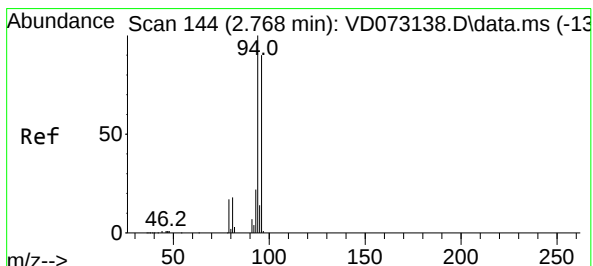
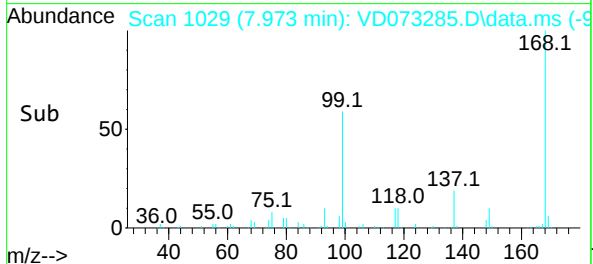
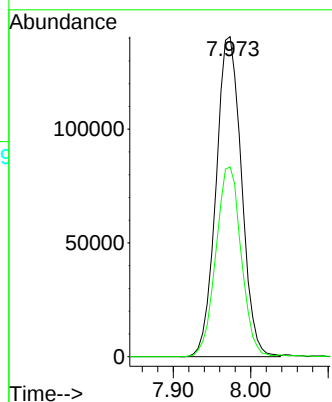
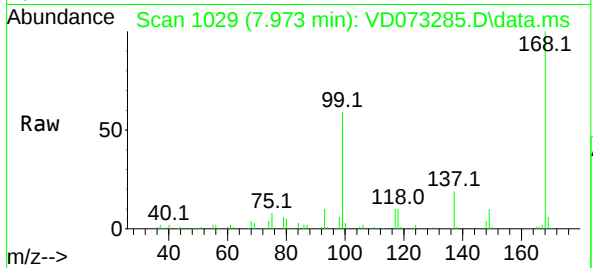
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073285.D
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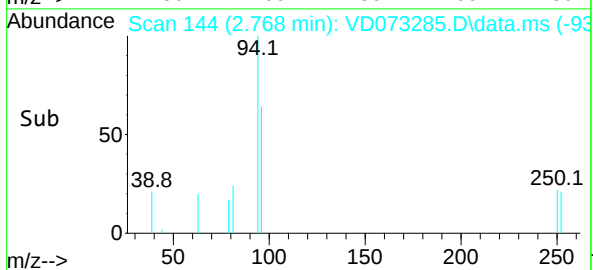
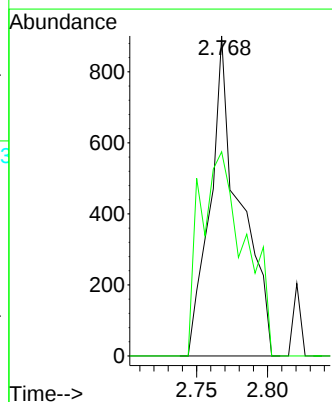
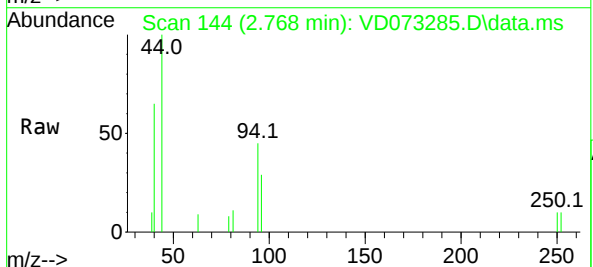
Instrument :
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ClientSampleId :
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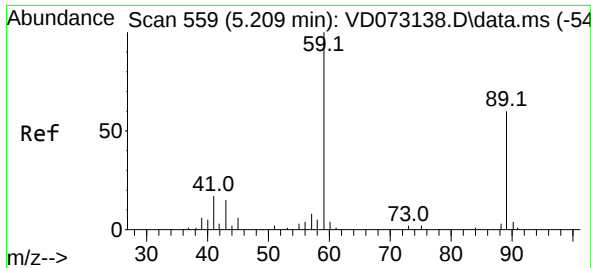
Tgt Ion:168 Resp: 320601
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 94 Resp: 1308
Ion Ratio Lower Upper
94 100
96 63.8 77.6 116.4#

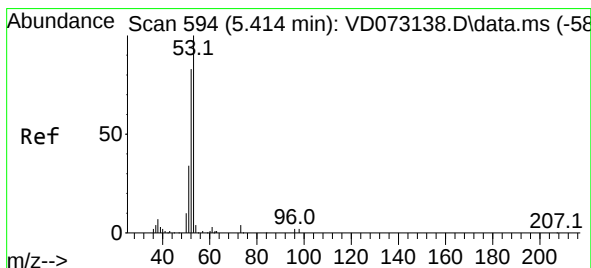
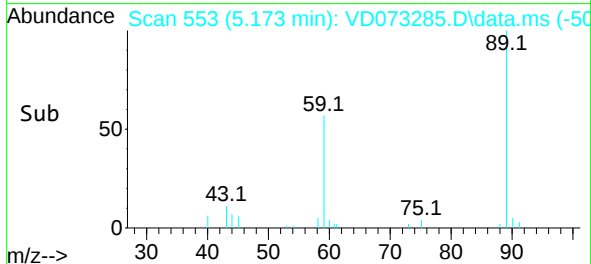
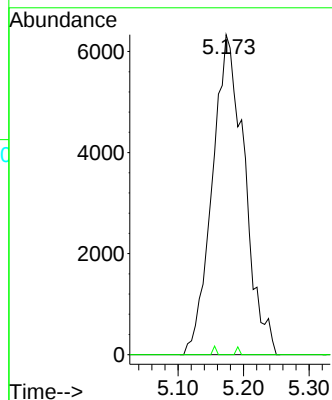
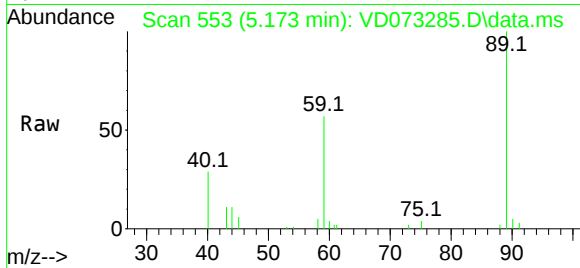




#11
Tert butyl alcohol
Concen: 39.353 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

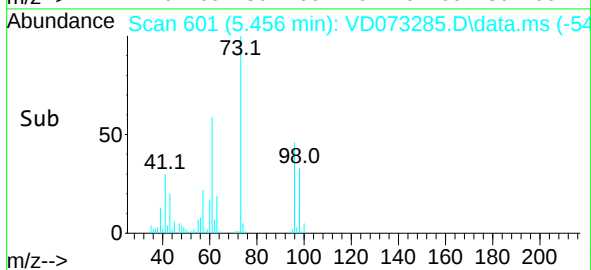
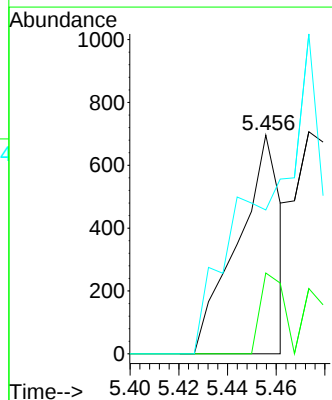
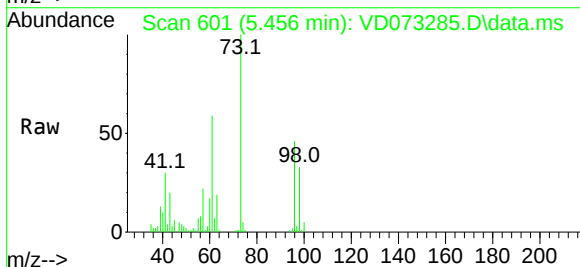
Instrument :
MSVOA_D
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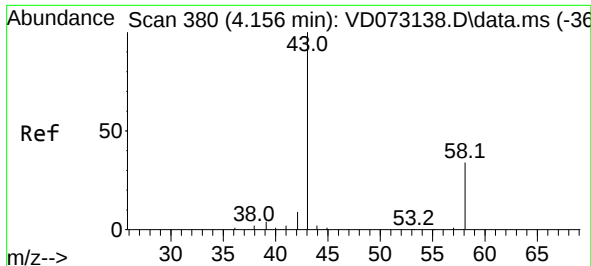
Tgt Ion: 59 Resp: 21633
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#15
Acrylonitrile
Concen: 1.151 ug/l
RT: 5.456 min Scan# 601
Delta R.T. 0.042 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 53 Resp: 847
Ion Ratio Lower Upper
53 100
52 20.1 67.2 100.8#
51 0.0 30.3 45.5#

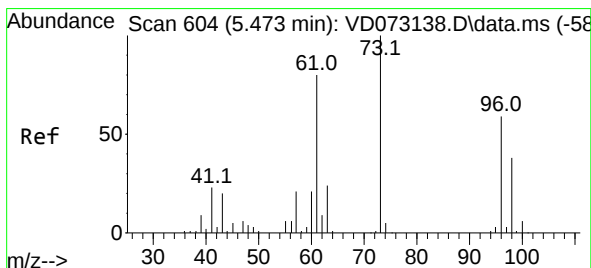
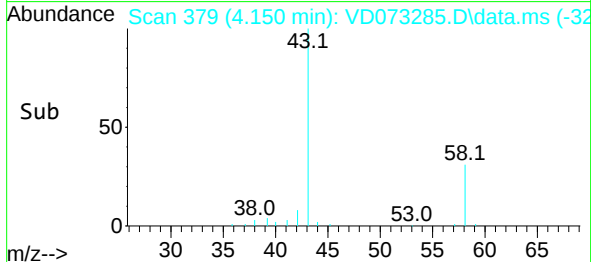
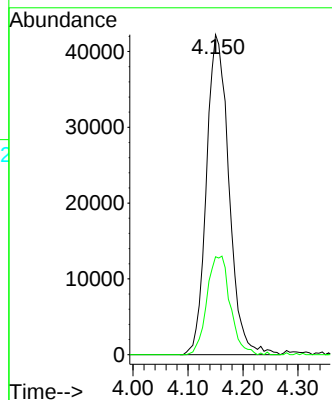
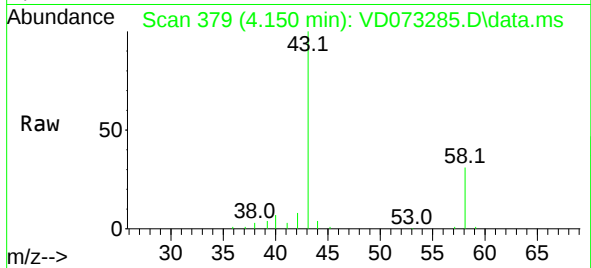




#16
Acetone
Concen: 195.636 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

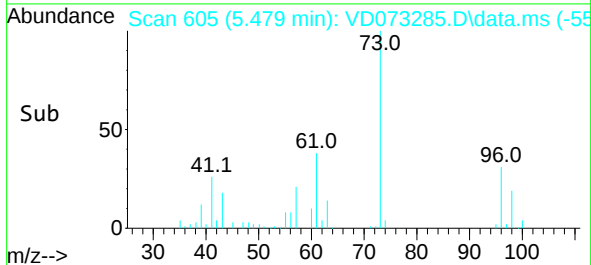
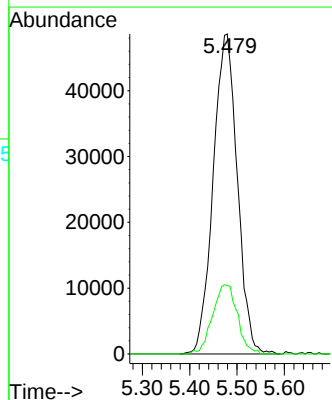
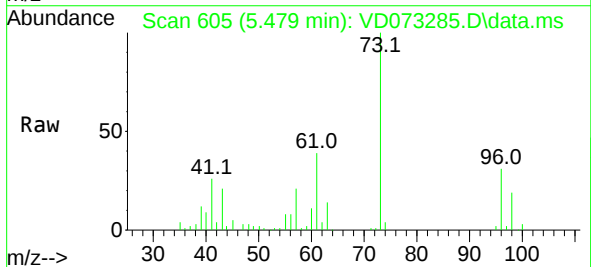
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

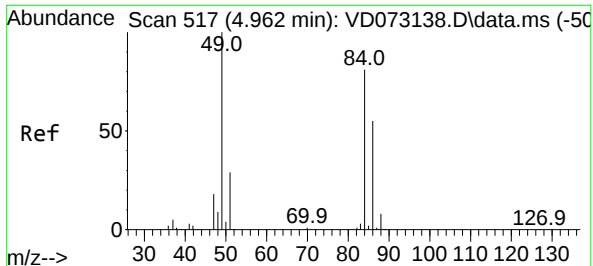
Tgt Ion: 43 Resp: 120062
Ion Ratio Lower Upper
43 100
58 30.6 22.1 33.1



#19
Methyl tert-butyl Ether
Concen: 23.415 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 73 Resp: 171871
Ion Ratio Lower Upper
73 100
57 21.4 18.0 27.0





#20

Methylene Chloride

Concen: 3.029 ug/l

RT: 4.950 min Scan# 517

Delta R.T. -0.012 min

Lab File: VD073285.D

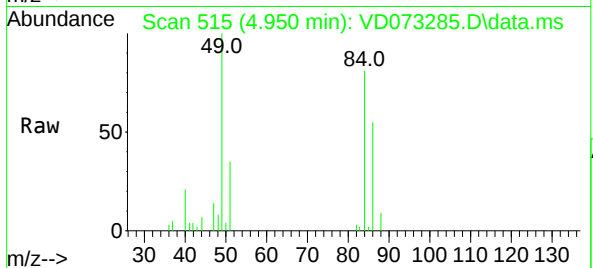
Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL



Tgt Ion: 84 Resp: 26391

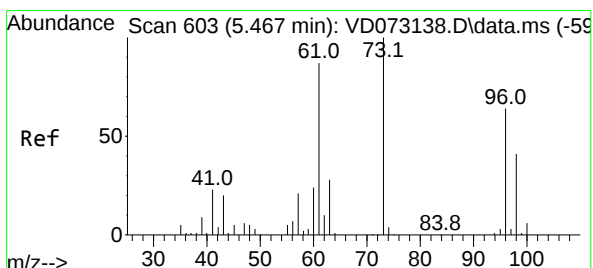
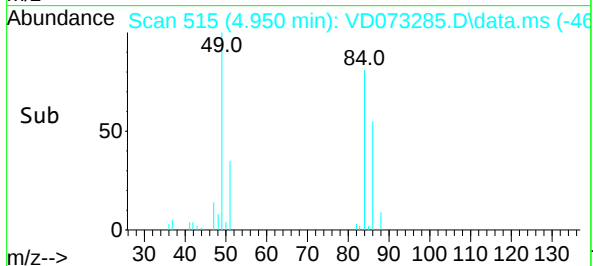
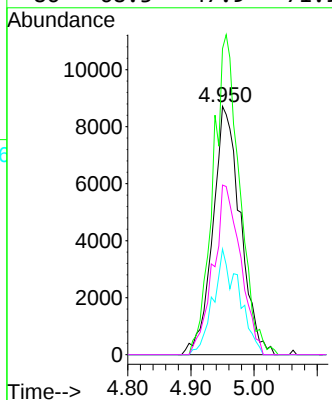
Ion Ratio Lower Upper

84 100

49 123.3 112.8 169.2

51 42.6 32.6 48.8

86 68.3 47.9 71.9



#21

trans-1,2-Dichloroethene

Concen: 14.286 ug/l

RT: 5.468 min Scan# 603

Delta R.T. 0.001 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

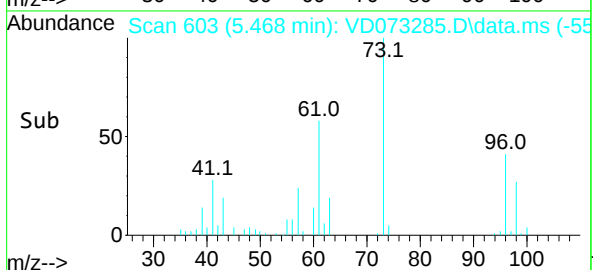
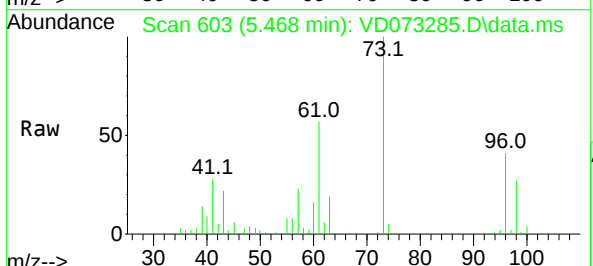
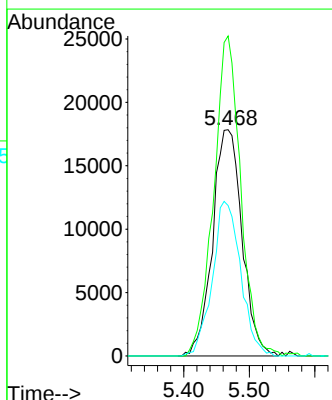
Tgt Ion: 96 Resp: 55651

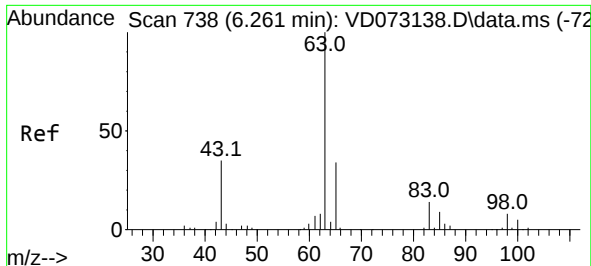
Ion Ratio Lower Upper

96 100

61 141.4 117.9 176.9

98 66.5 49.4 74.2

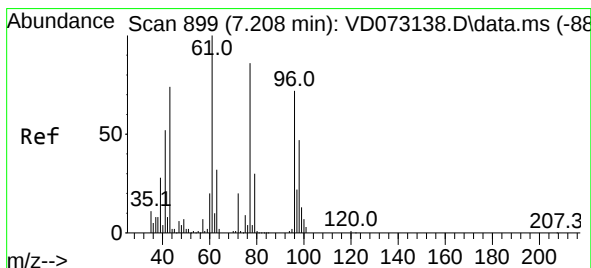
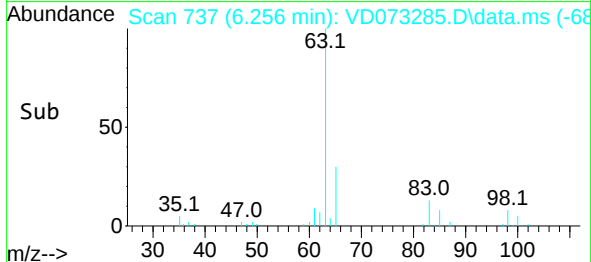
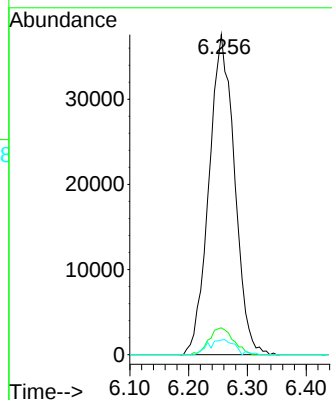
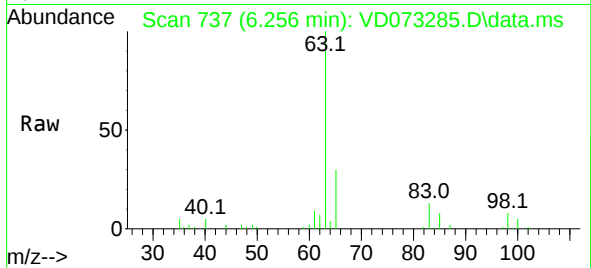




#24
1,1-Dichloroethane
Concen: 16.238 ug/l
RT: 6.256 min Scan# 71
Delta R.T. -0.005 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

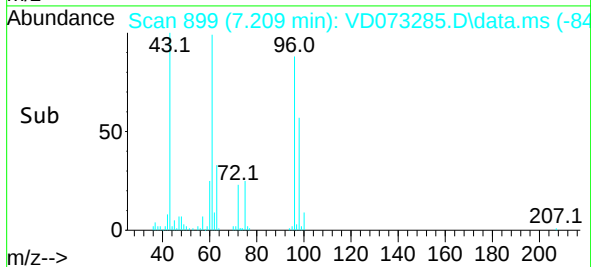
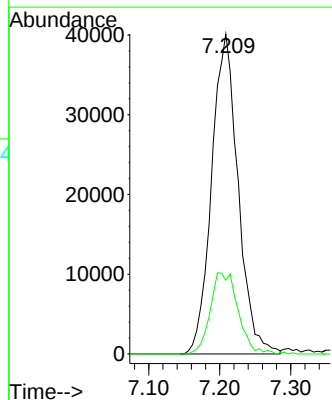
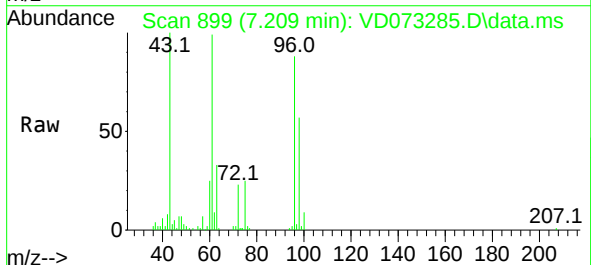
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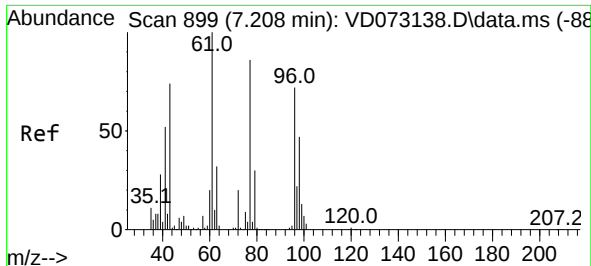
Tgt Ion: 63 Resp: 113630
Ion Ratio Lower Upper
63 100
98 8.4 3.6 10.9
100 4.6 2.1 6.5



#25
2-Butanone
Concen: 115.535 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 43 Resp: 103735
Ion Ratio Lower Upper
43 100
72 23.0 18.6 27.8

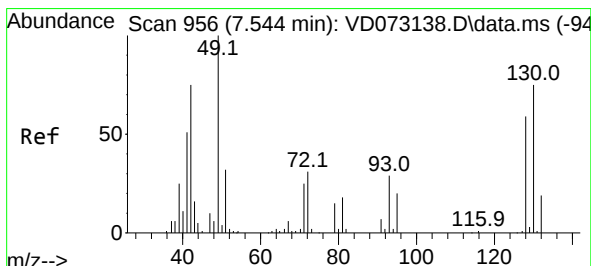
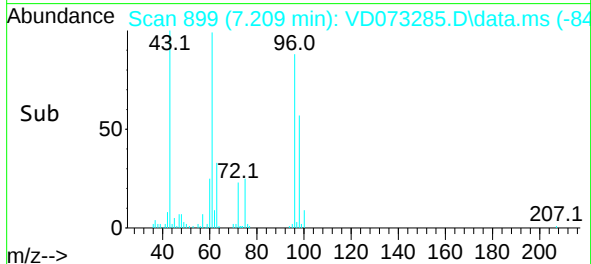
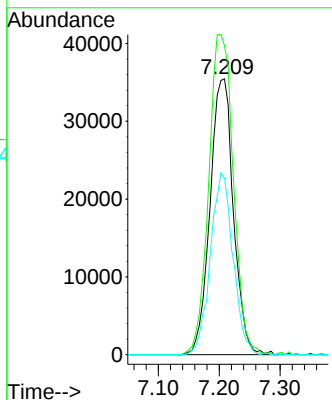
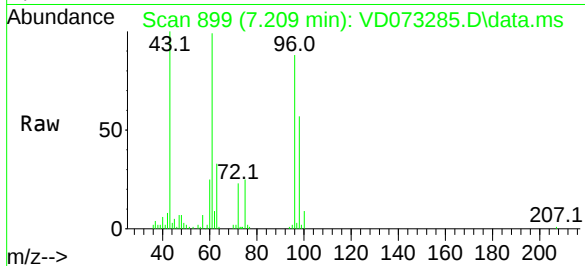




#27
 cis-1,2-Dichloroethene
 Concen: 21.976 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. 0.001 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

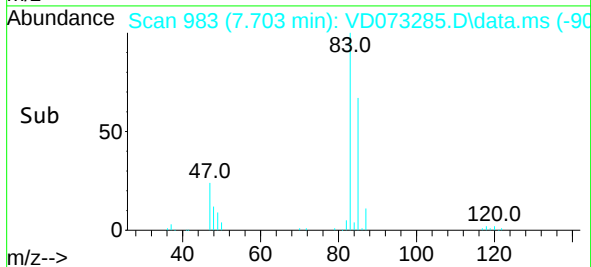
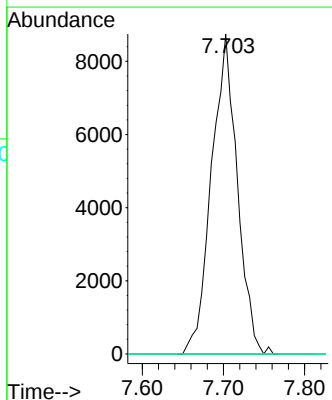
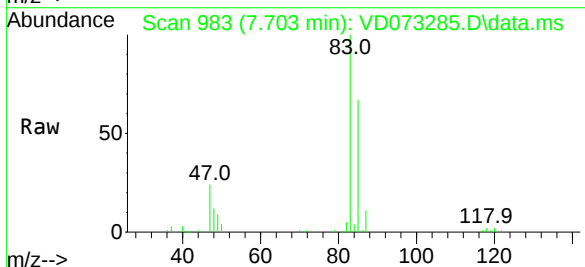
Instrument :
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 ClientSampleId :
 PT-VOA-SOILD

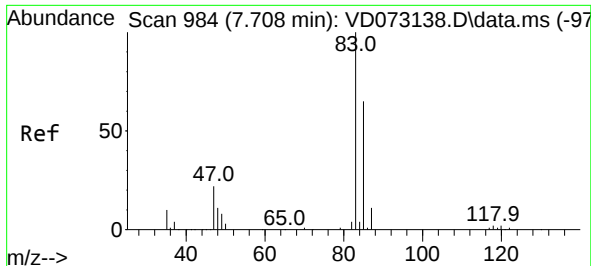
Tgt Ion: 96 Resp: 94728
 Ion Ratio Lower Upper
 96 100
 61 122.2 0.0 313.8
 98 63.7 0.0 128.8



#28
 Bromochloromethane
 Concen: 8.009 ug/l
 RT: 7.703 min Scan# 983
 Delta R.T. 0.159 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion: 49 Resp: 19309
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 52.6 79.0#

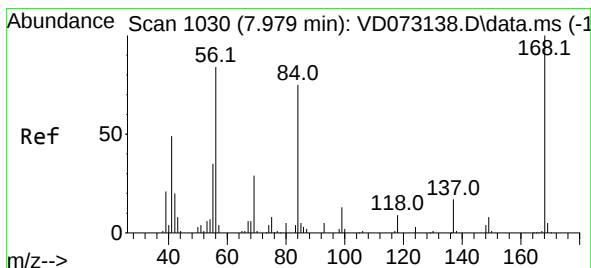
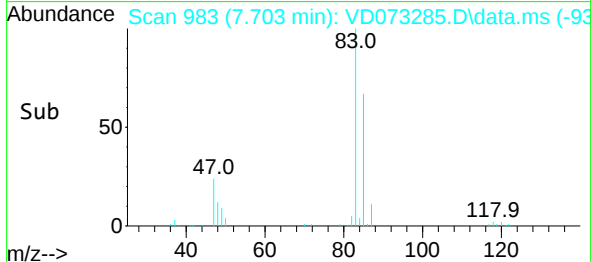
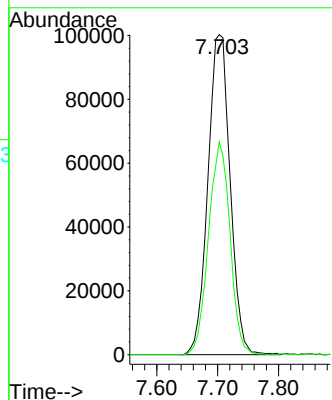
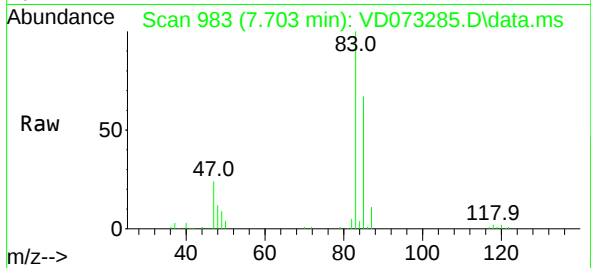




#30
Chloroform
Concen: 34.850 ug/l
RT: 7.703 min Scan# 91
Delta R.T. -0.005 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

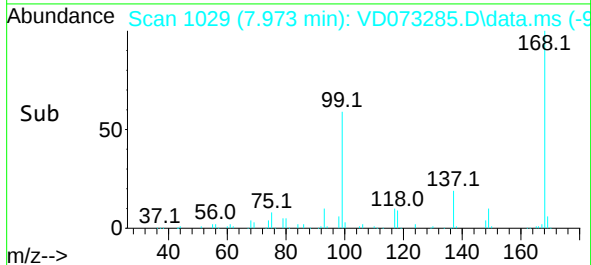
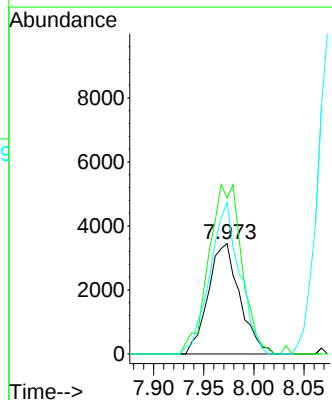
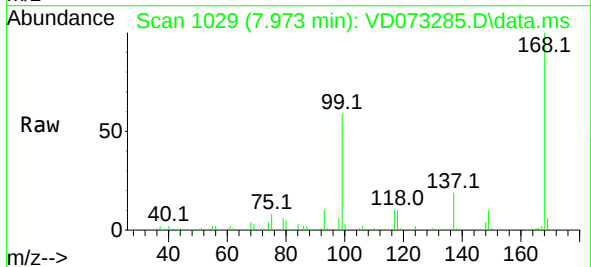
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILD

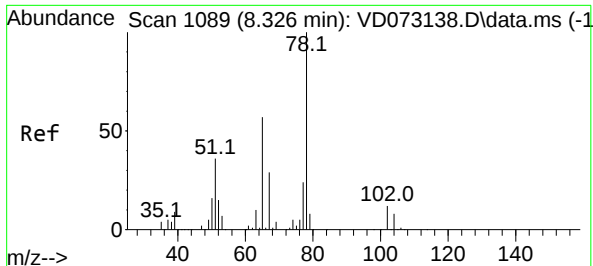
Tgt Ion: 83 Resp: 254609
Ion Ratio Lower Upper
83 100
85 66.5 52.7 79.1



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 56 Resp: 7531
Ion Ratio Lower Upper
56 100
69 141.1 25.4 38.2#
84 137.0 63.0 94.4#

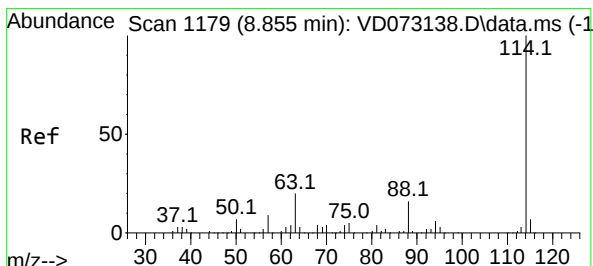
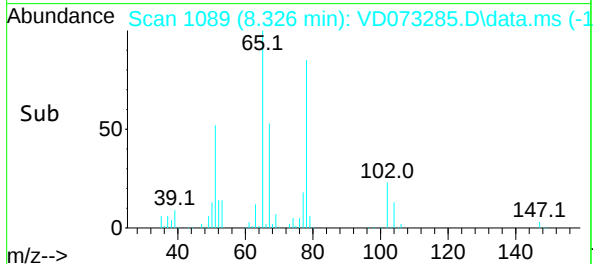
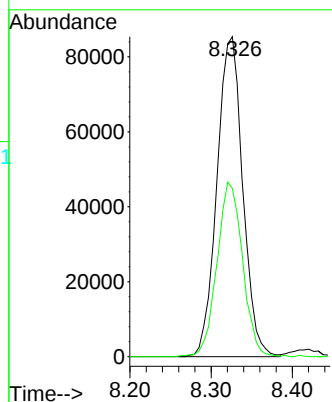
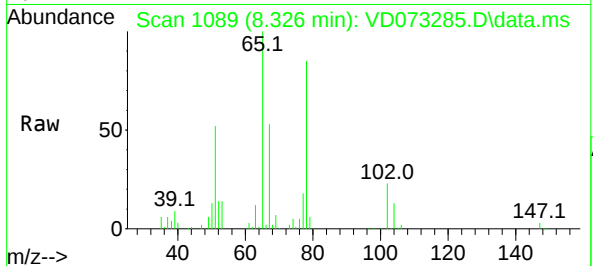




#33
 1,2-Dichloroethane-d4
 Concen: 53.233 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

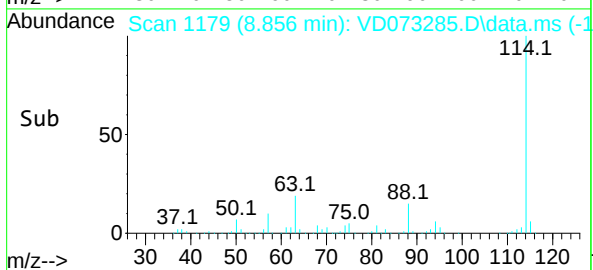
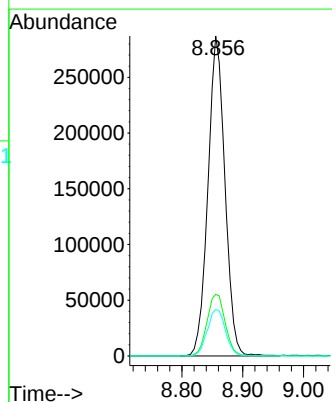
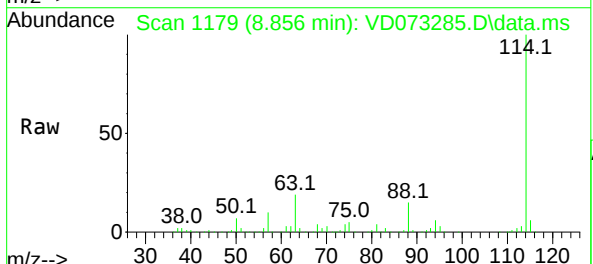
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

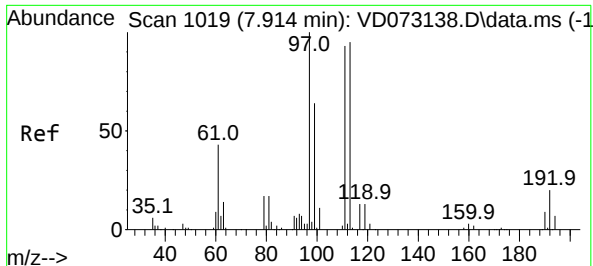
Tgt Ion: 65 Resp: 188611
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1179
 Delta R.T. 0.001 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion: 114 Resp: 556126
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 46.6
 88 14.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.554 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

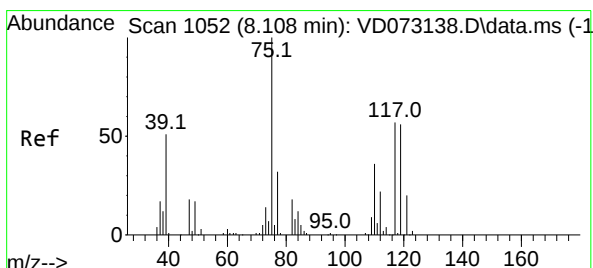
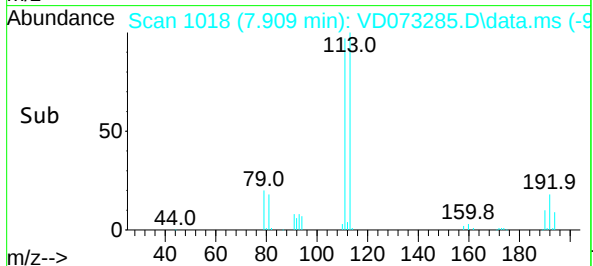
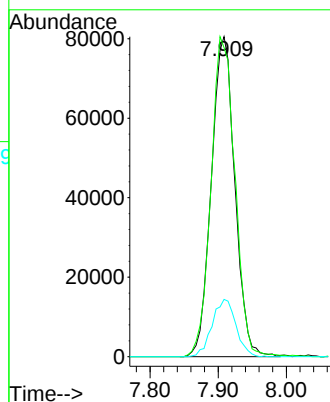
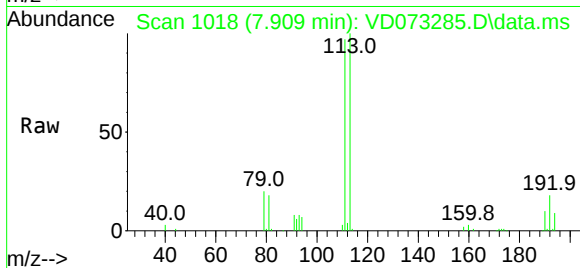
Tgt Ion:113 Resp: 192858

Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.553 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

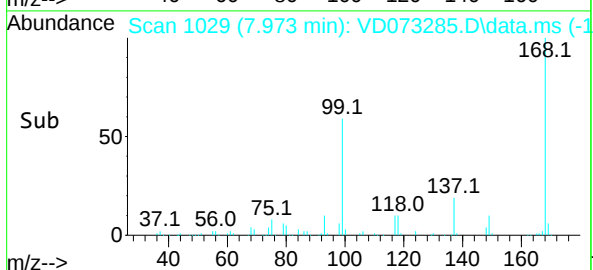
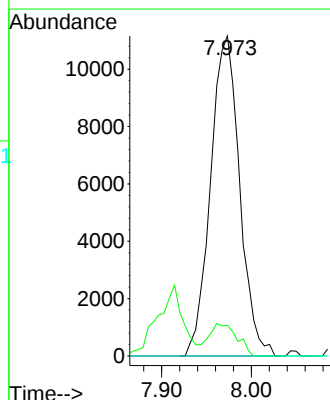
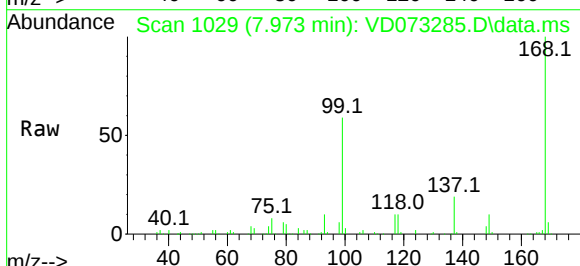
Tgt Ion: 75 Resp: 25128

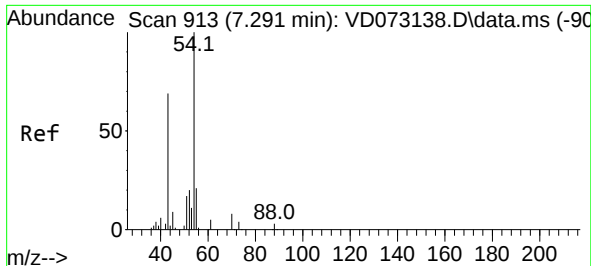
Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#

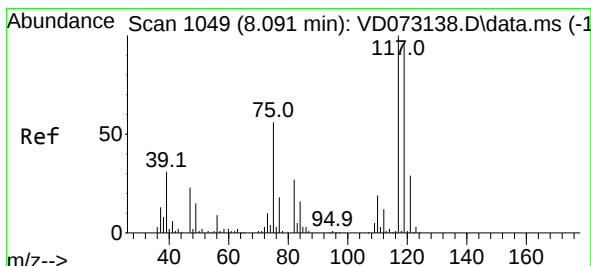
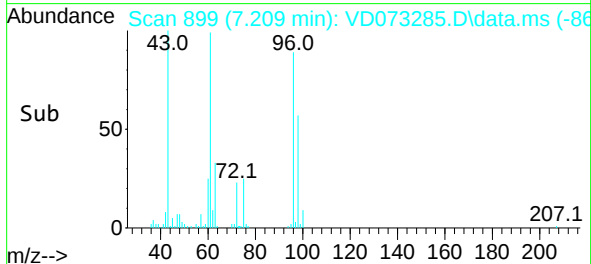
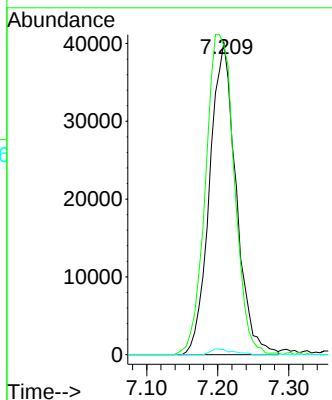
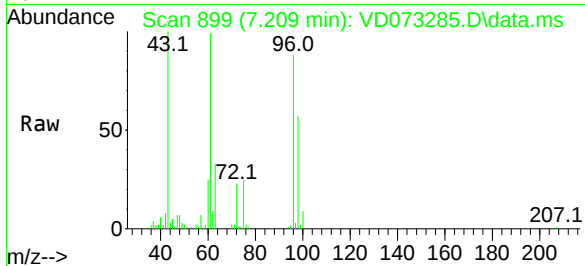




#37
Ethyl Acetate
Concen: 47.584 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

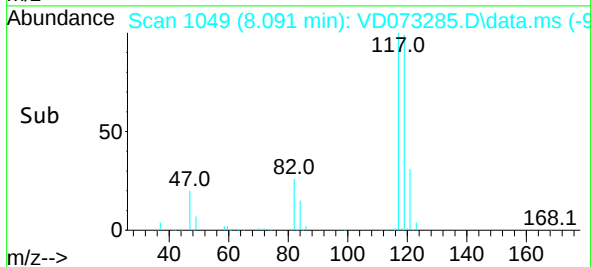
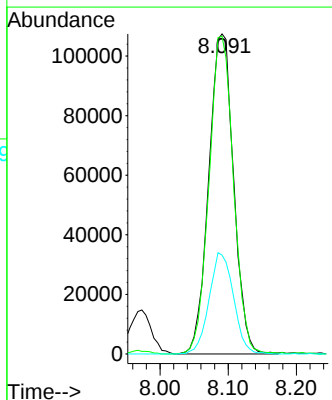
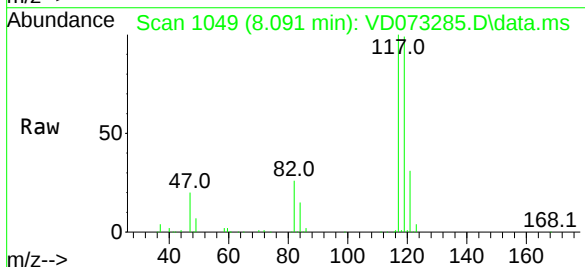
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

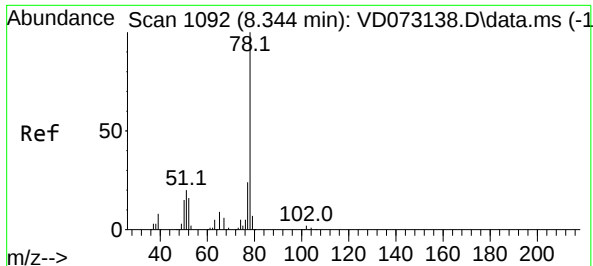
Tgt Ion: 43 Resp: 103735
Ion Ratio Lower Upper
43 100
61 111.6 9.8 14.8#
70 1.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 48.816 ug/l
RT: 8.091 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 117 Resp: 273106
Ion Ratio Lower Upper
117 100
119 99.1 75.8 113.6
121 30.9 24.5 36.7

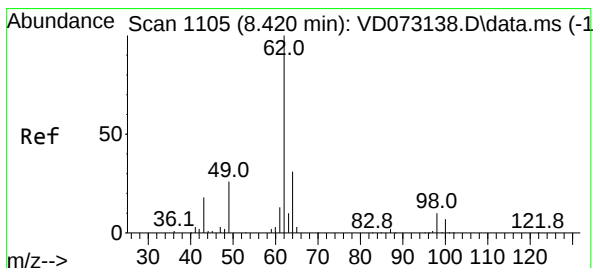
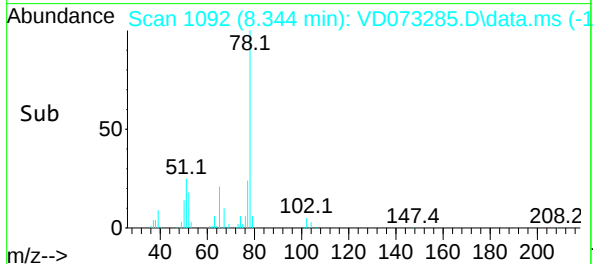
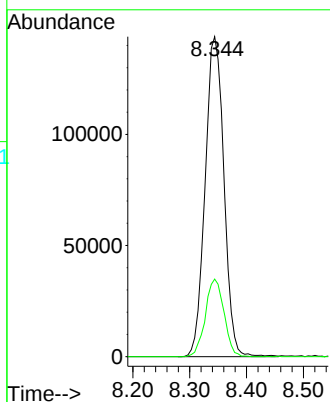
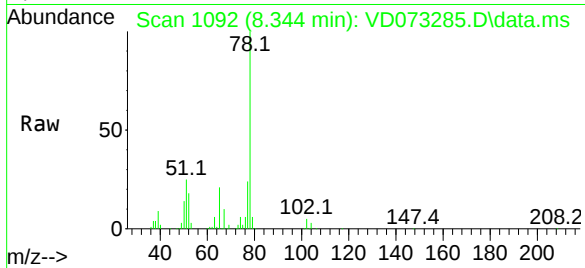




#40
Benzene
Concen: 20.748 ug/l
RT: 8.344 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

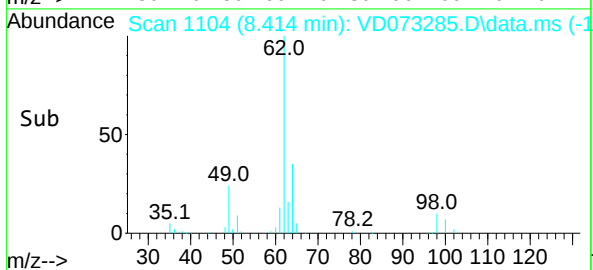
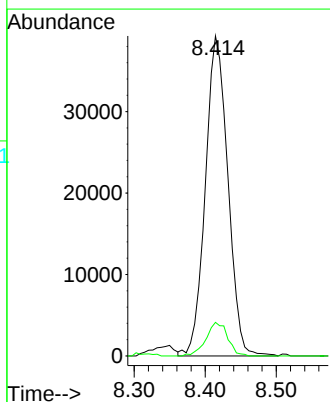
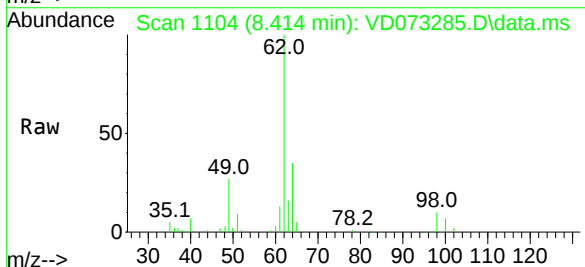
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

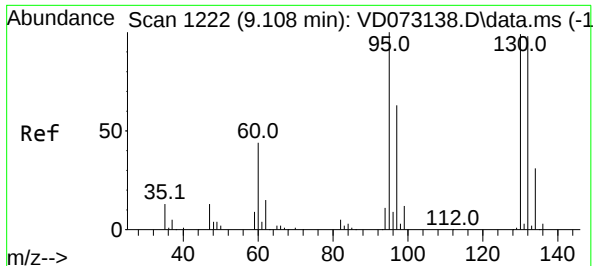
Tgt Ion: 78 Resp: 330017
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7



#42
1,2-Dichloroethane
Concen: 19.552 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 62 Resp: 86537
Ion Ratio Lower Upper
62 100
98 10.1 0.0 17.6

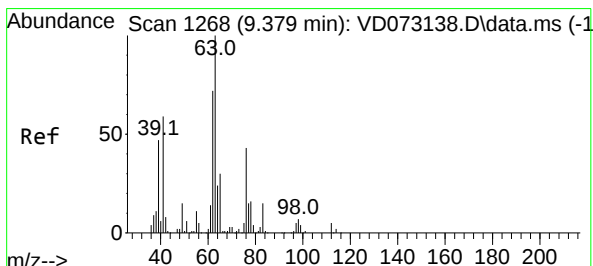
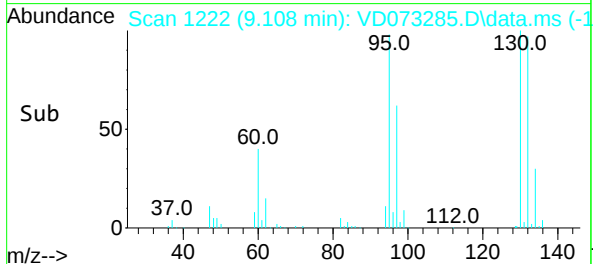
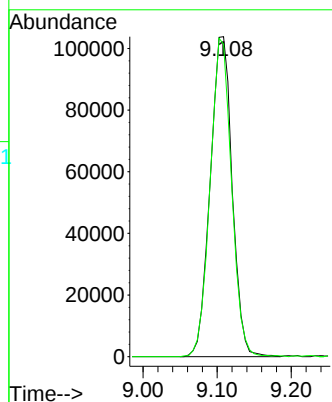
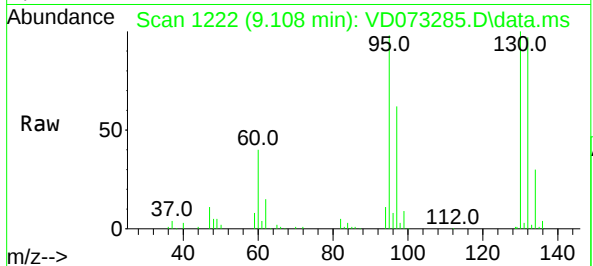




#44
Trichloroethene
Concen: 50.367 ug/l
RT: 9.108 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

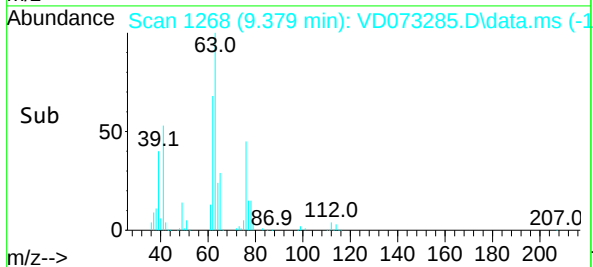
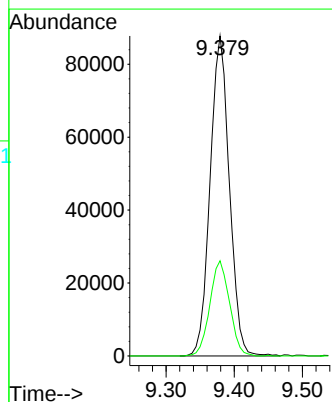
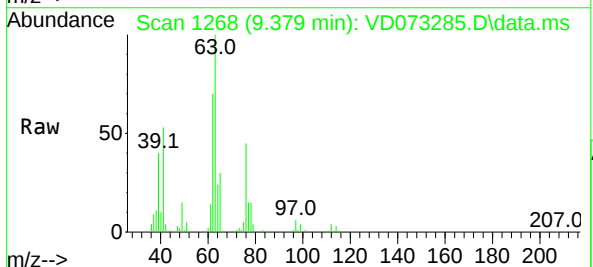
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

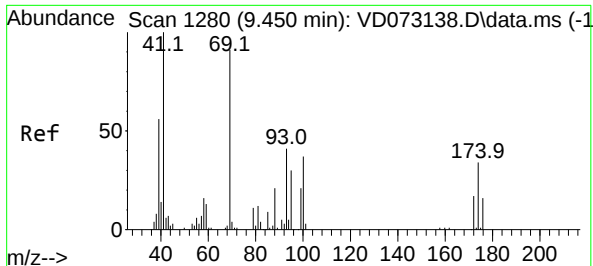
Tgt Ion:130 Resp: 213639
Ion Ratio Lower Upper
130 100
95 97.7 0.0 205.4



#45
1,2-Dichloropropane
Concen: 43.082 ug/l
RT: 9.379 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 63 Resp: 172578
Ion Ratio Lower Upper
63 100
65 29.8 26.2 39.4





#48

Methyl methacrylate

Concen: 46.171 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.071 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

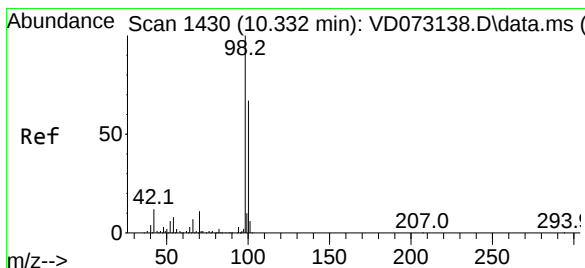
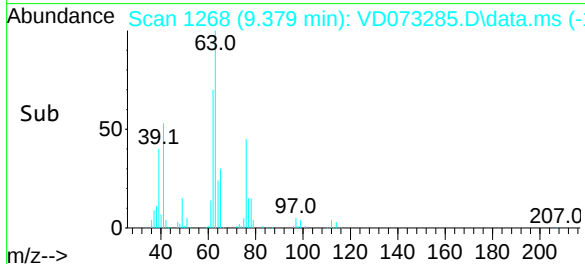
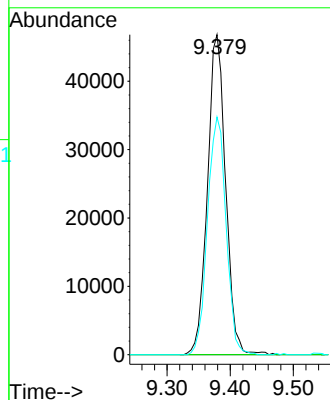
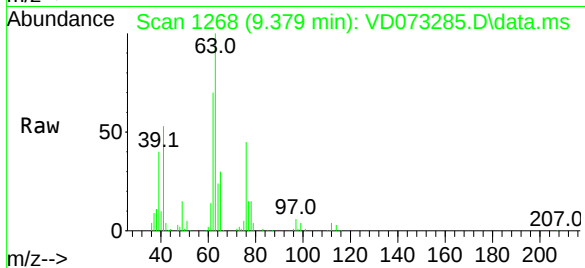
Tgt Ion: 41 Resp: 93601

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 76.0 42.7 64.1#



#50

Toluene-d8

Concen: 50.343 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073285.D

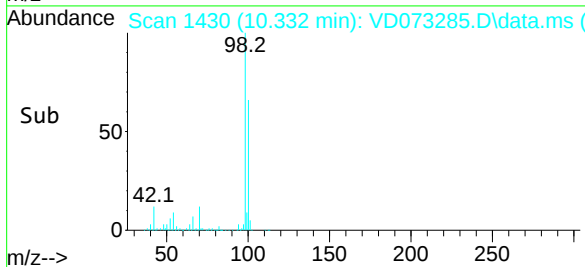
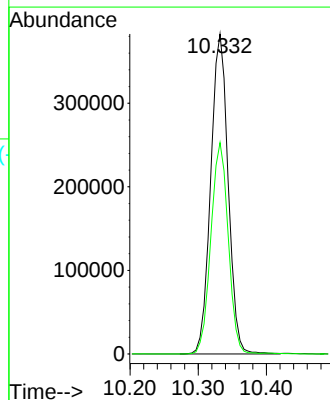
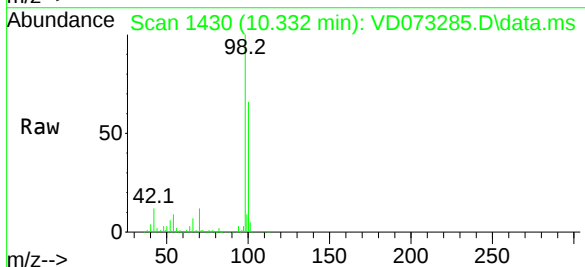
Acq: 23 May 2022 16:15

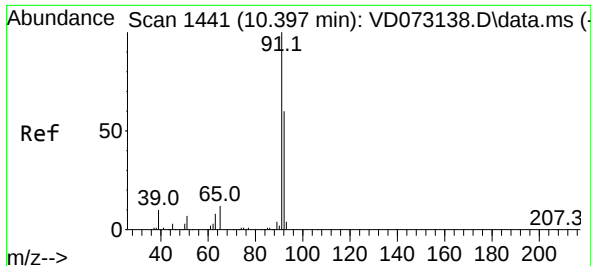
Tgt Ion: 98 Resp: 681012

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6

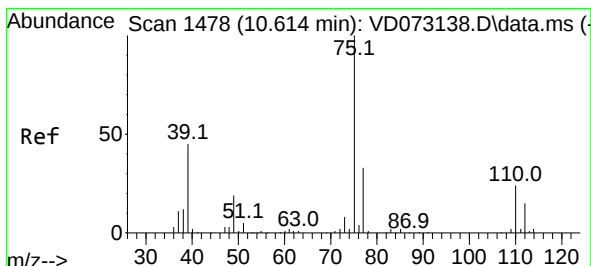
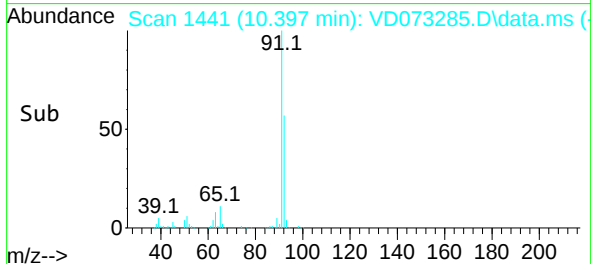
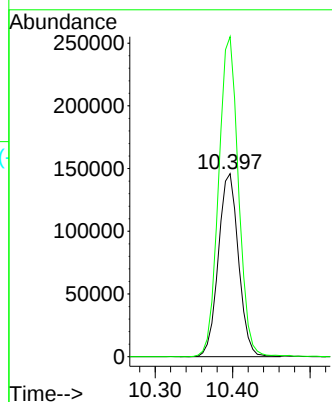
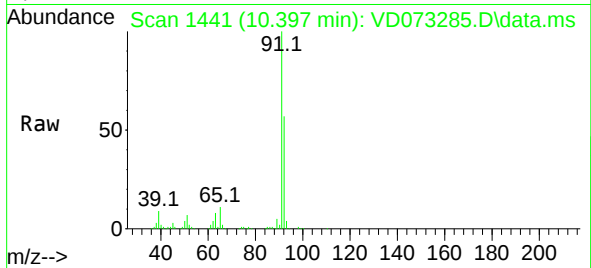




#52
Toluene
Concen: 26.243 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

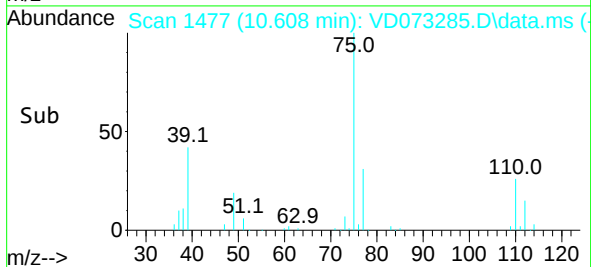
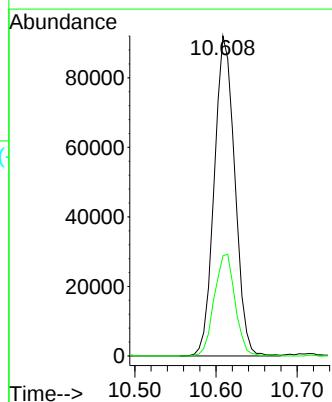
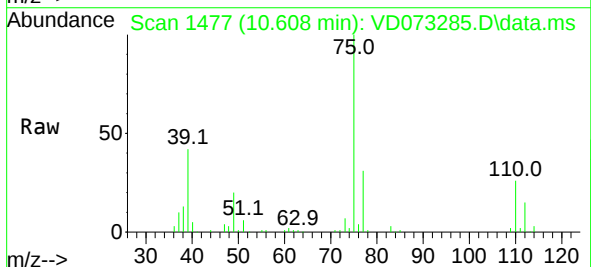
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILD

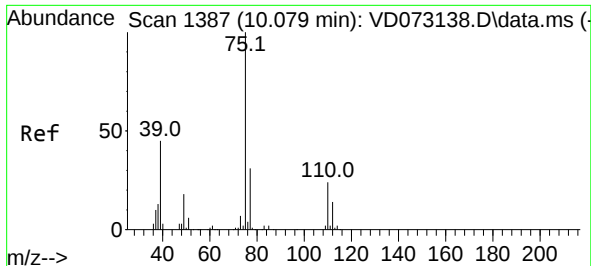
Tgt Ion: 92 Resp: 263784
Ion Ratio Lower Upper
92 100
91 172.5 139.6 209.4



#53
t-1,3-Dichloropropene
Concen: 31.906 ug/l
RT: 10.608 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 75 Resp: 162262
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7

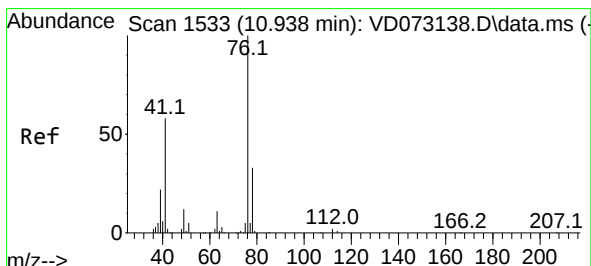
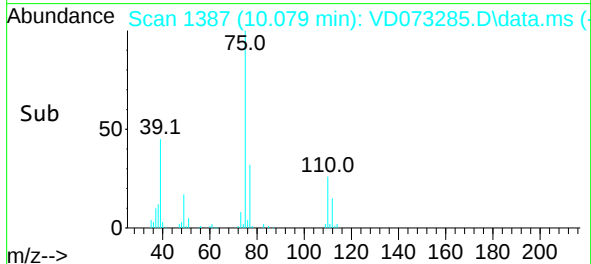
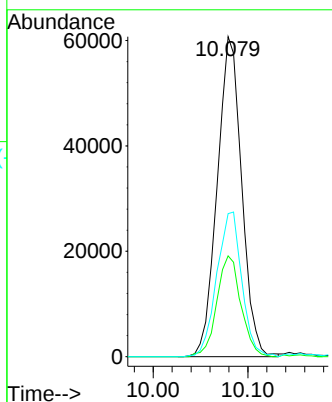
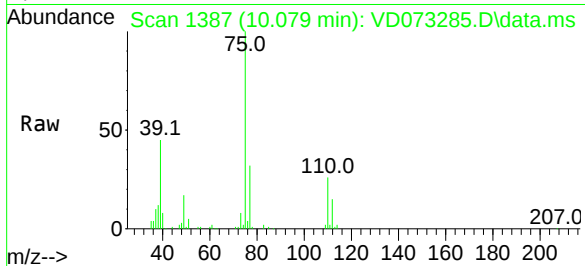




#54
 cis-1,3-Dichloropropene
 Concen: 17.894 ug/l
 RT: 10.079 min Scan# 1387
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

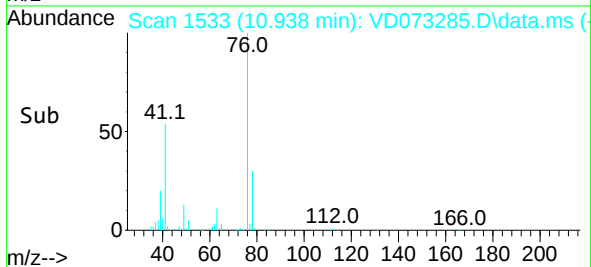
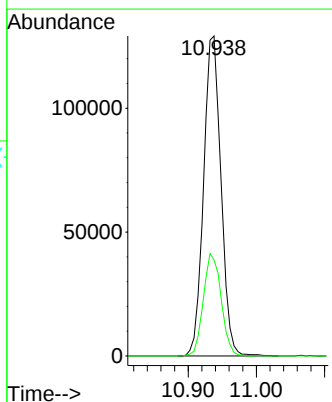
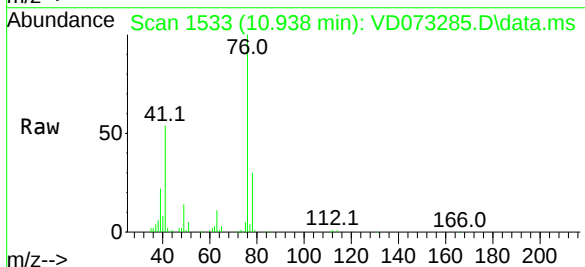
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

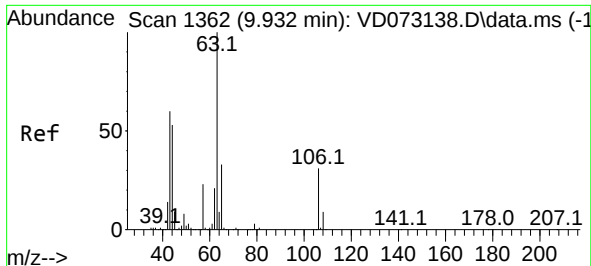
Tgt Ion: 75 Resp: 108898
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.8 37.2
 39 44.7 46.8 70.2#



#57
 1,3-Dichloropropane
 Concen: 45.926 ug/l
 RT: 10.938 min Scan# 1533
 Delta R.T. -0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion: 76 Resp: 229256
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

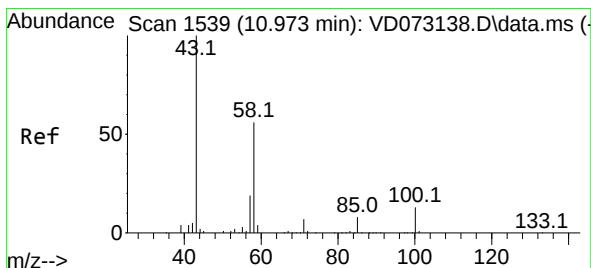
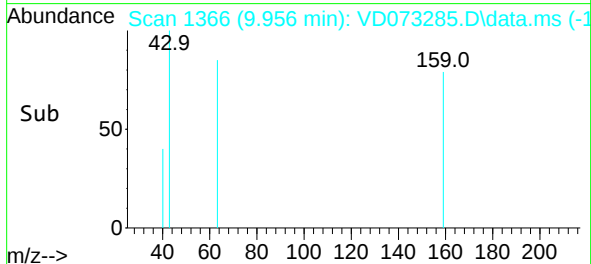
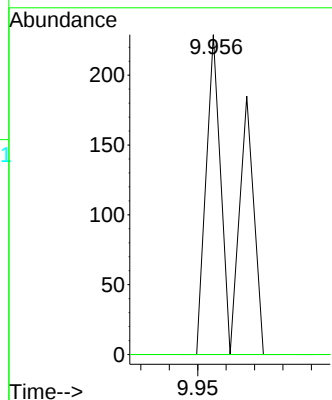
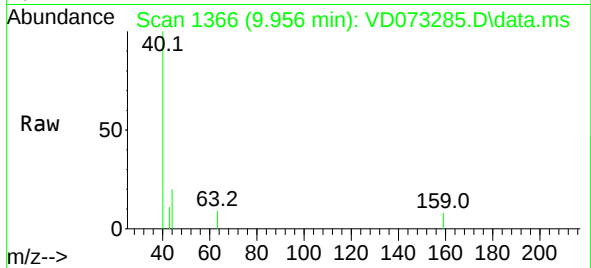




#58
2-Chloroethyl Vinyl ether
Concen: 21.706 ug/l
RT: 9.956 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

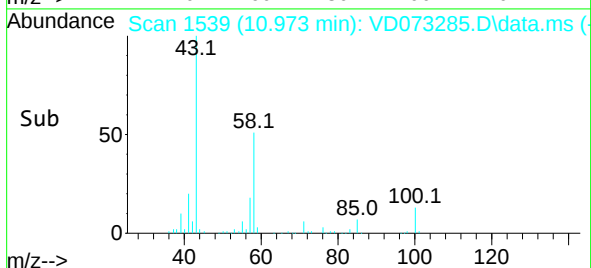
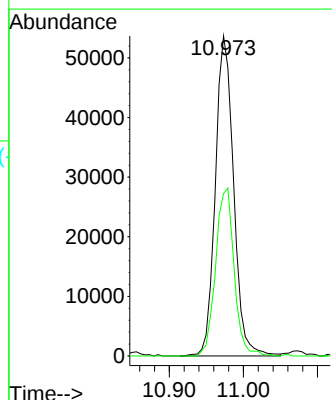
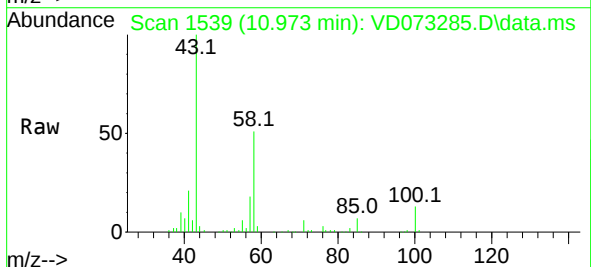
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

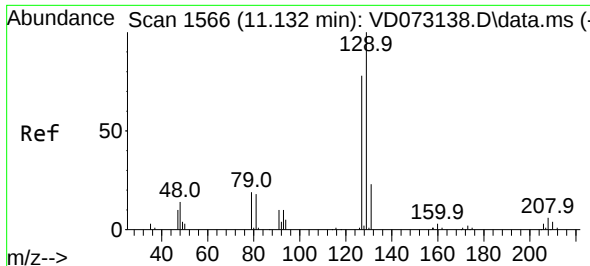
Tgt Ion: 63 Resp: 146
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#



#59
2-Hexanone
Concen: 66.727 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 43 Resp: 92069
Ion Ratio Lower Upper
43 100
58 53.1 25.3 75.9

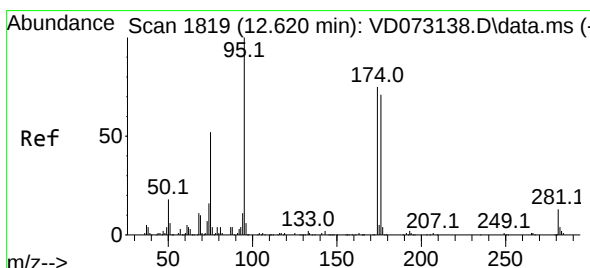
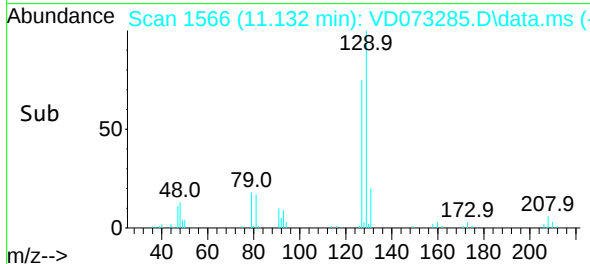
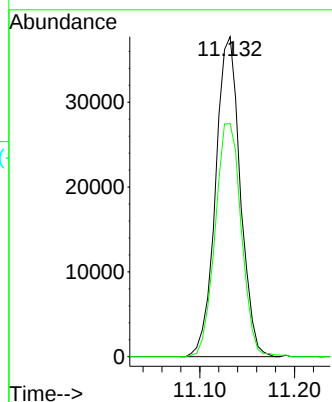
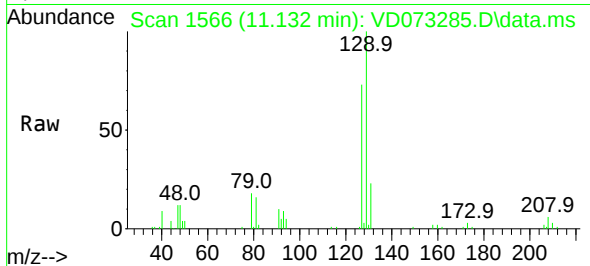




#60
Dibromochloromethane
Concen: 18.407 ug/l
RT: 11.132 min Scan# 111
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

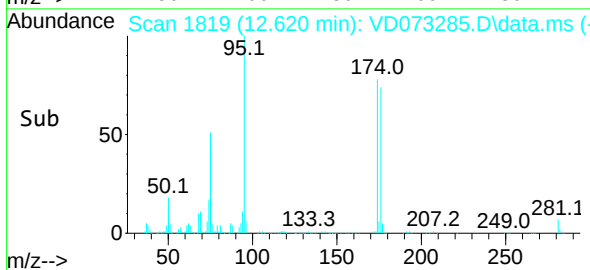
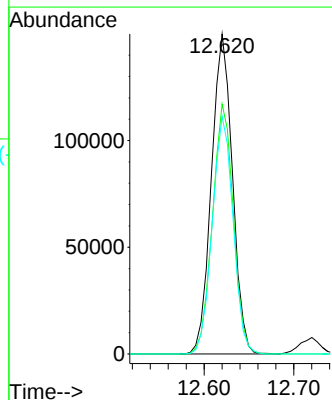
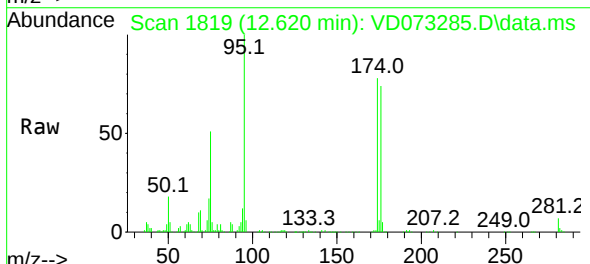
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

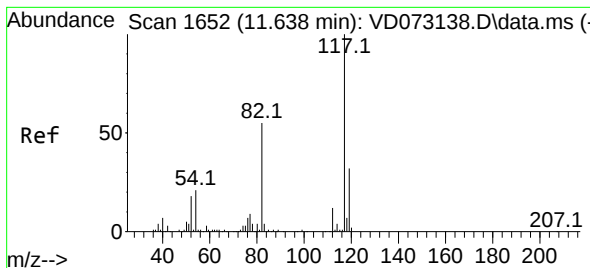
Tgt Ion:129 Resp: 68284
Ion Ratio Lower Upper
129 100
127 77.1 39.2 117.6



#62
4-Bromofluorobenzene
Concen: 51.224 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 95 Resp: 243175
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 73.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

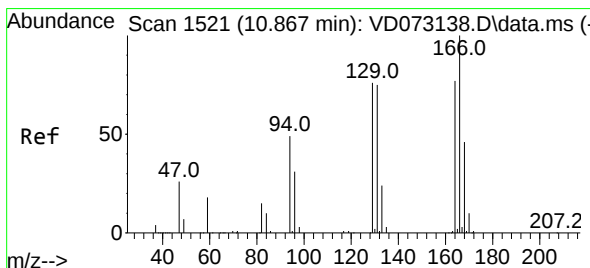
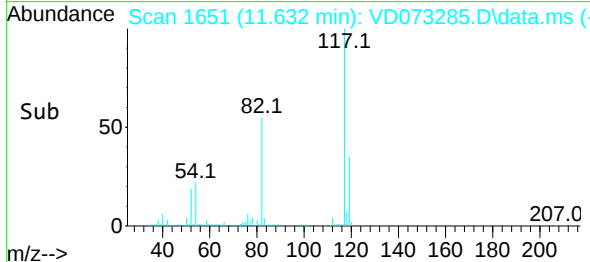
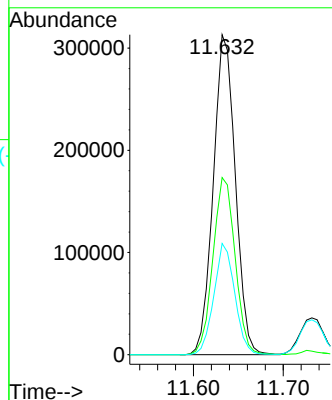
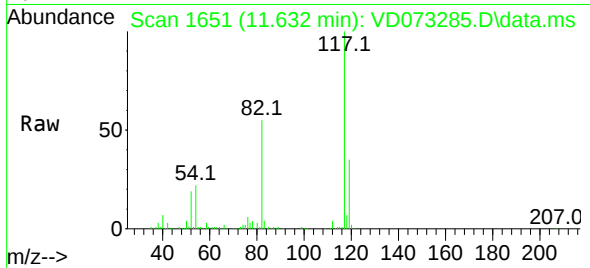
Tgt Ion:117 Resp: 535270

Ion Ratio Lower Upper

117 100

82 55.3 45.3 67.9

119 34.8 26.6 40.0



#64

Tetrachloroethene

Concen: 39.365 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Tgt Ion:164 Resp: 138010

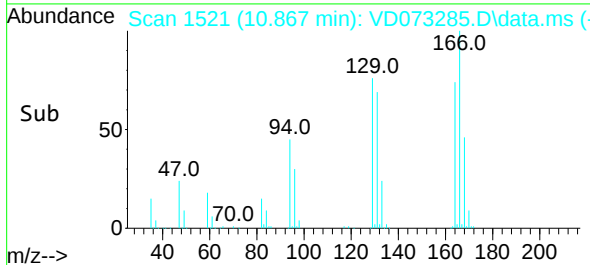
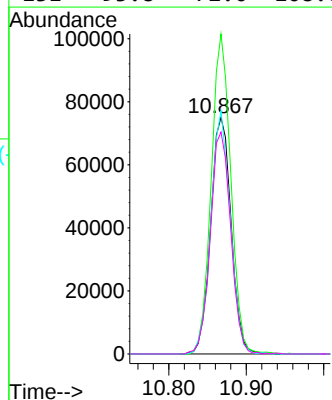
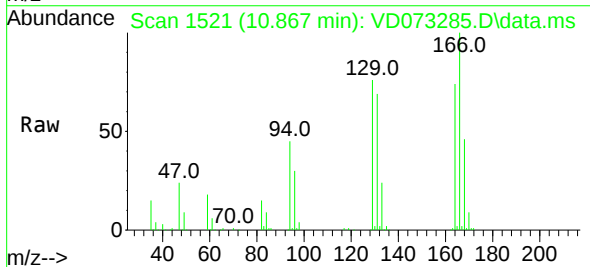
Ion Ratio Lower Upper

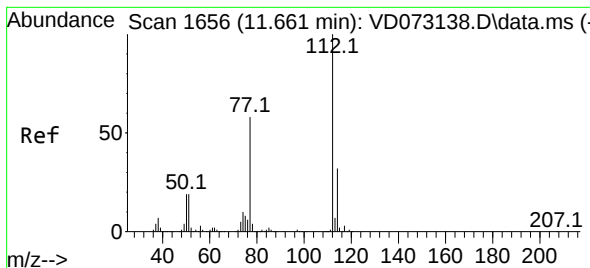
164 100

166 135.3 98.5 147.7

129 102.7 74.6 111.8

131 93.8 72.0 108.0





#65

Chlorobenzene

Concen: 35.395 ug/l

RT: 11.661 min Scan# 1656

Delta R.T. 0.000 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

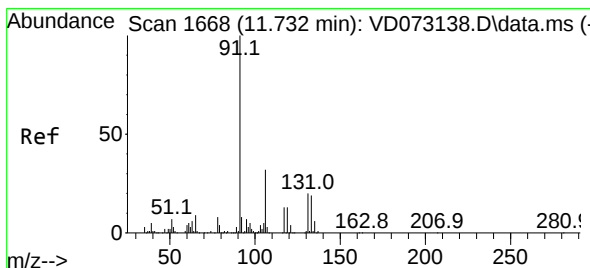
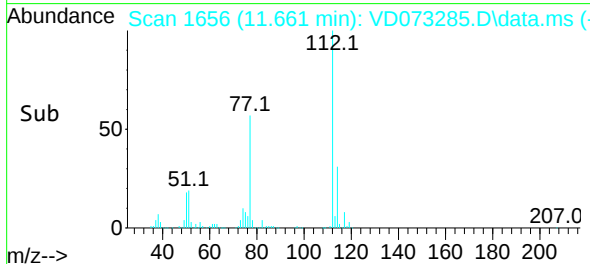
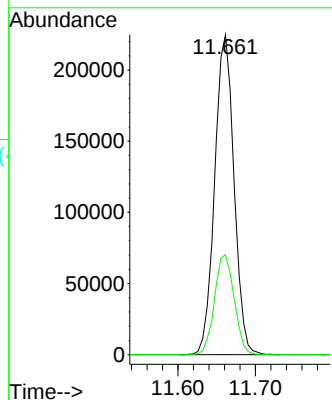
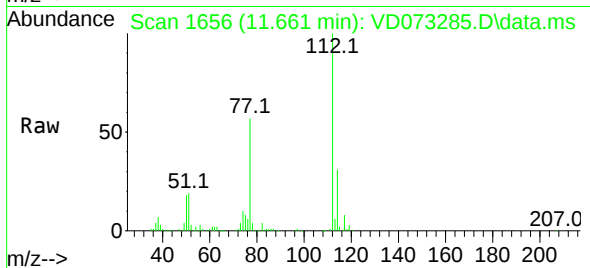
PT-VOA-SOILDL

Tgt Ion:112 Resp: 388671

Ion Ratio Lower Upper

112 100

114 31.2 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 24.057 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

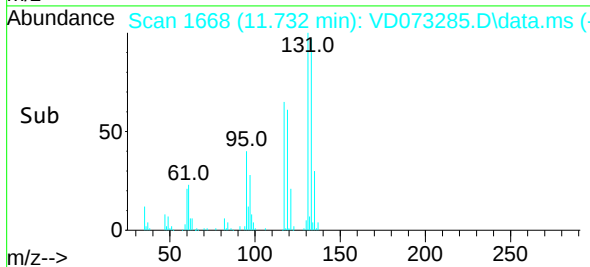
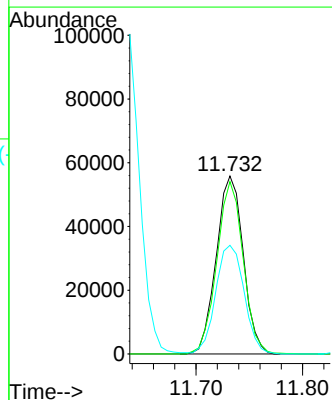
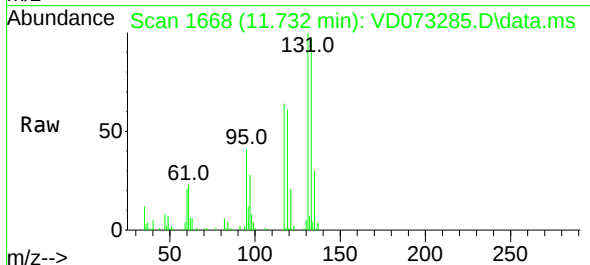
Tgt Ion:131 Resp: 97971

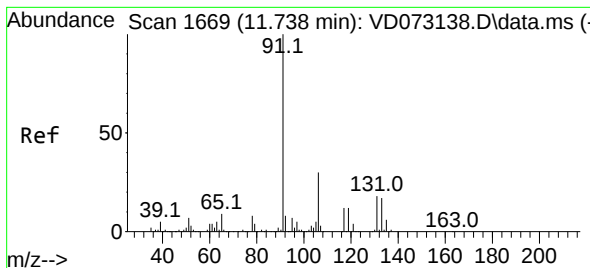
Ion Ratio Lower Upper

131 100

133 94.9 48.1 144.3

119 64.6 31.9 95.9





#67

Ethyl Benzene

Concen: 36.024 ug/l

RT: 11.844 min Scan# 1

Delta R.T. 0.106 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

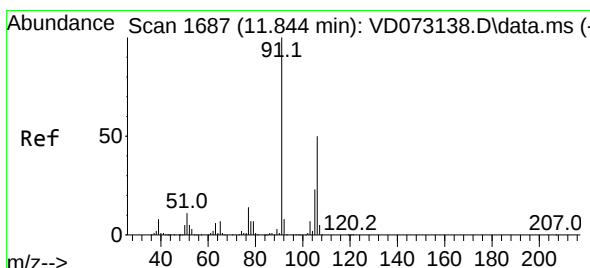
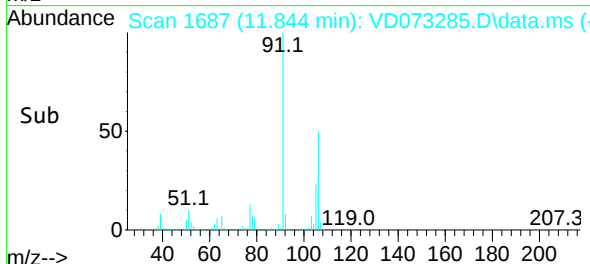
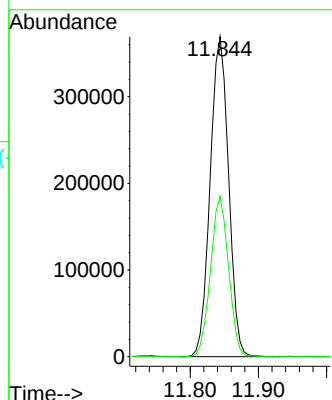
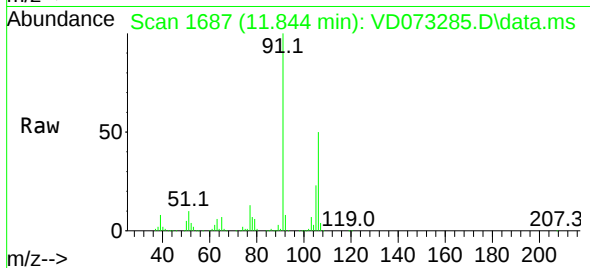
PT-VOA-SOILDL

Tgt Ion: 91 Resp: 694426

Ion Ratio Lower Upper

91 100

106 50.1 24.2 36.4#



#68

m/p-Xylenes

Concen: 45.476 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. -0.000 min

Lab File: VD073285.D

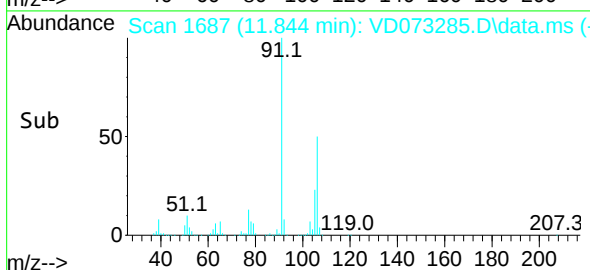
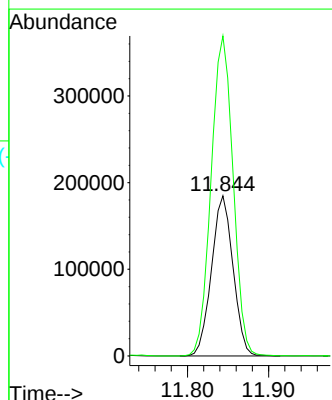
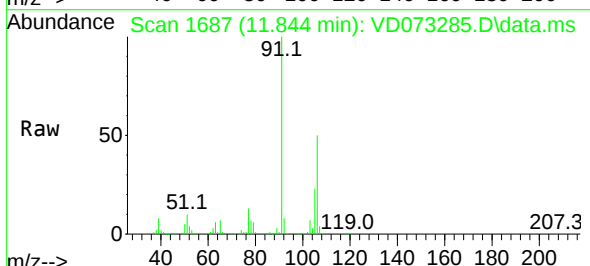
Acq: 23 May 2022 16:15

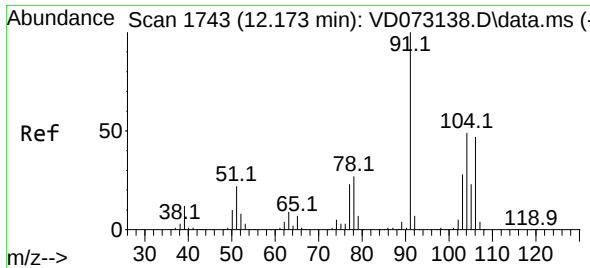
Tgt Ion:106 Resp: 340583

Ion Ratio Lower Upper

106 100

91 203.9 163.7 245.5

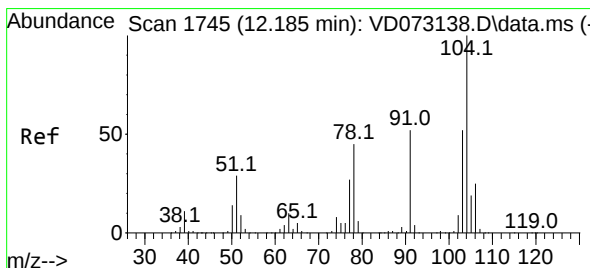
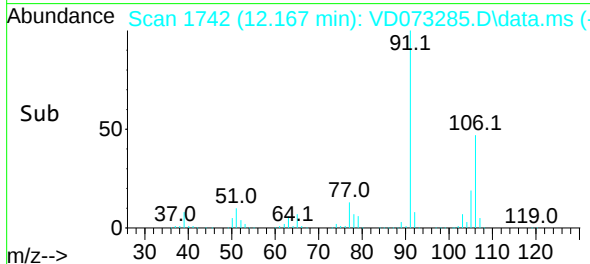
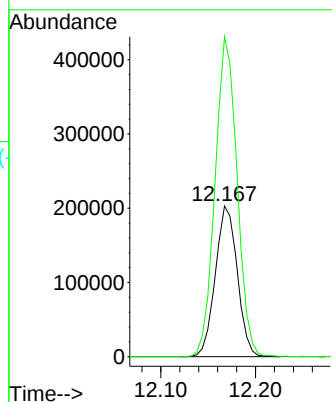
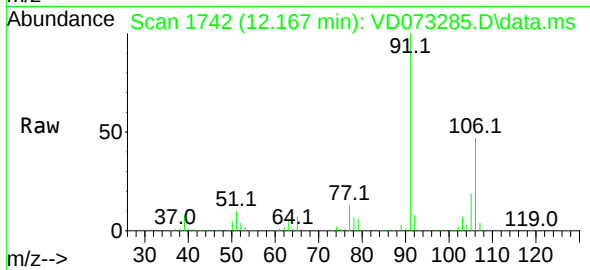




#69
o-Xylene
Concen: 47.555 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

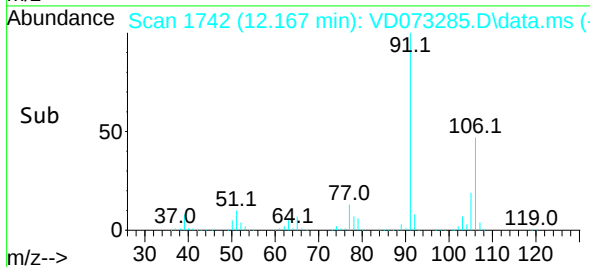
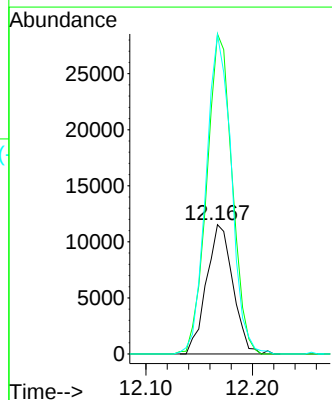
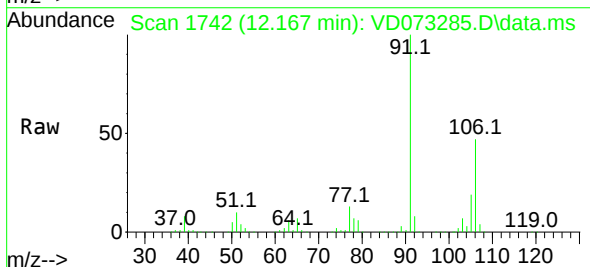
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

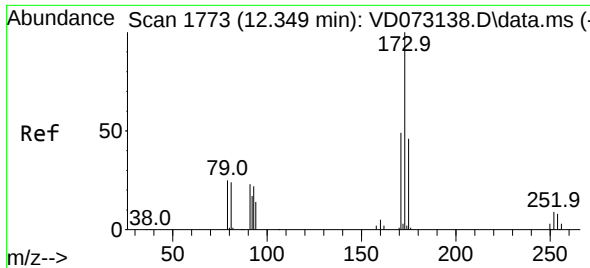
Tgt Ion:106 Resp: 327183
Ion Ratio Lower Upper
106 100
91 213.3 110.4 331.2



#70
Styrene
Concen: 1.684 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.018 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion:104 Resp: 19938
Ion Ratio Lower Upper
104 100
78 237.5 41.8 62.8#
103 236.4 44.2 66.4#

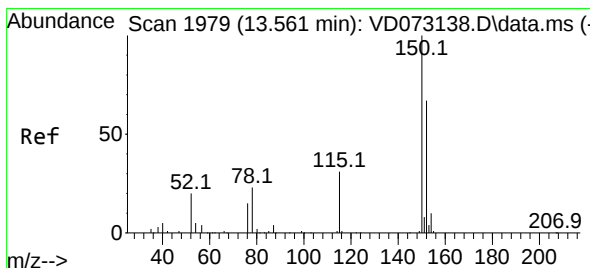
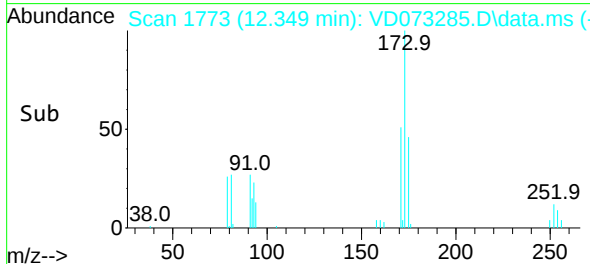
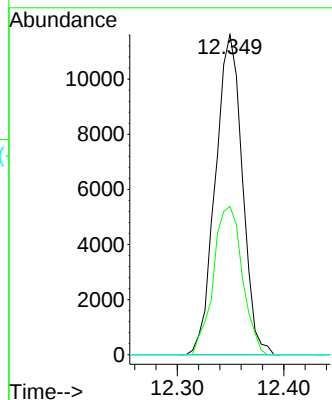
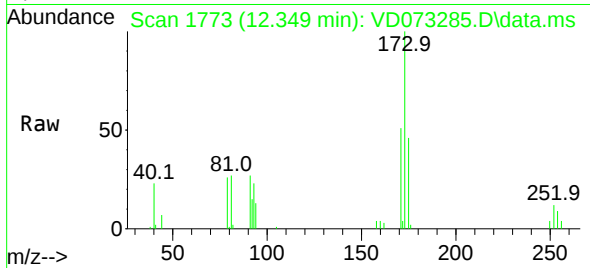




#71
Bromoform
Concen: 9.716 ug/l
RT: 12.349 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

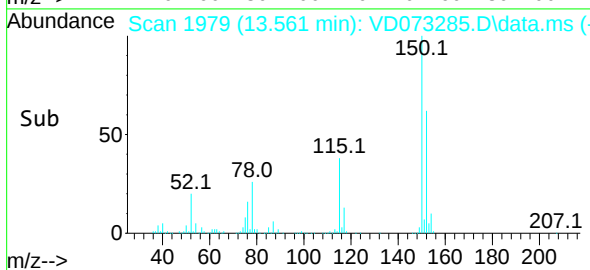
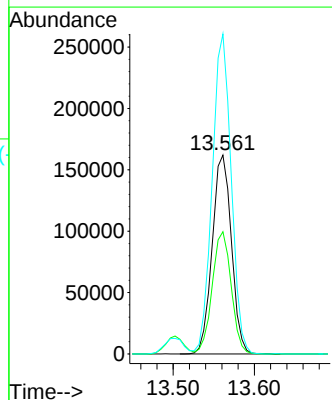
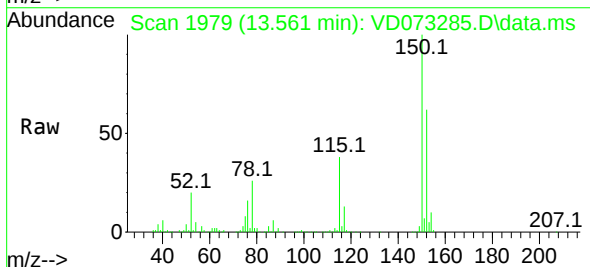
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

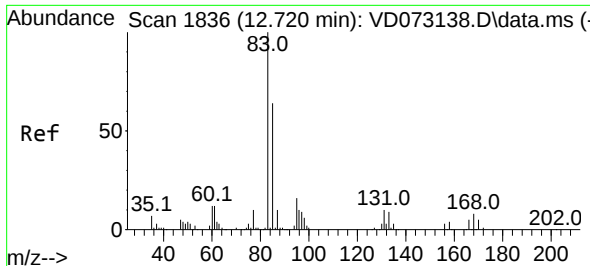
Tgt Ion:173 Resp: 20364
Ion Ratio Lower Upper
173 100
175 49.8 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion:152 Resp: 266576
Ion Ratio Lower Upper
152 100
115 60.7 31.3 93.8
150 158.6 0.0 348.6

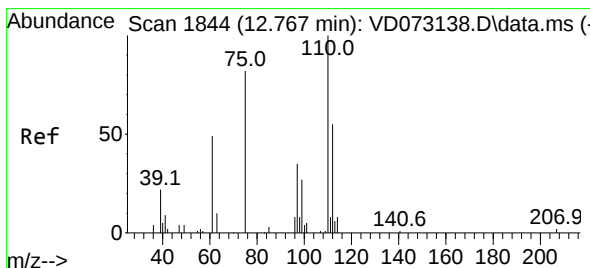
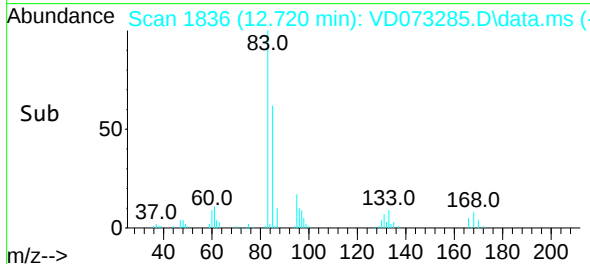
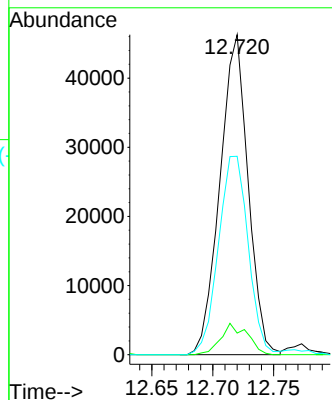
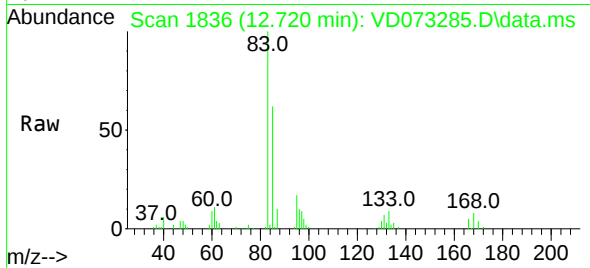




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.250 ug/l
 RT: 12.720 min Scan# 1836
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

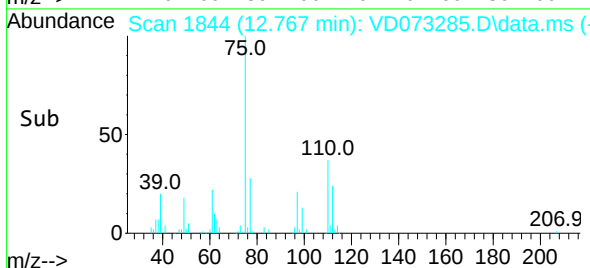
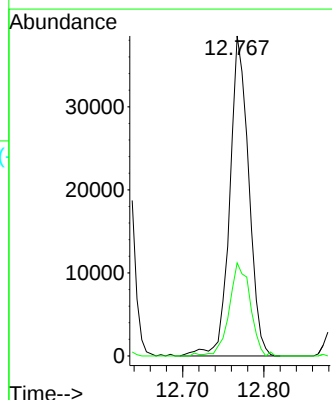
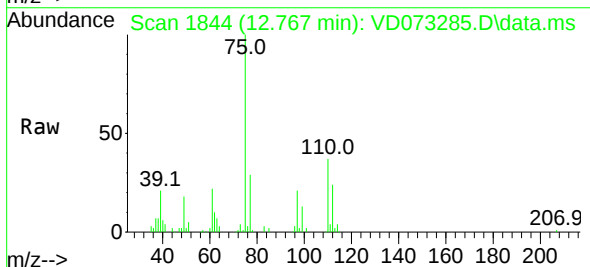
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

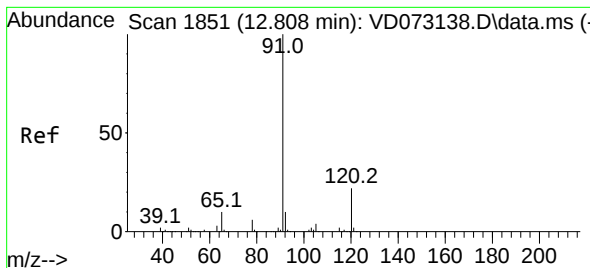
Tgt Ion: 83 Resp: 74481
 Ion Ratio Lower Upper
 83 100
 131 9.3 5.0 14.9
 85 65.6 32.6 98.0



#76
 1,2,3-Trichloropropane
 Concen: 23.867 ug/l
 RT: 12.767 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion: 75 Resp: 62426
 Ion Ratio Lower Upper
 75 100
 77 31.9 0.0 0.0#





#78

n-propylbenzene

Concen: 21.157 ug/l

RT: 12.897 min Scan# 1866

Delta R.T. 0.089 min

Lab File: VD073285.D

Acq: 23 May 2022 16:15

Instrument :

MSVOA_D

ClientSampleId :

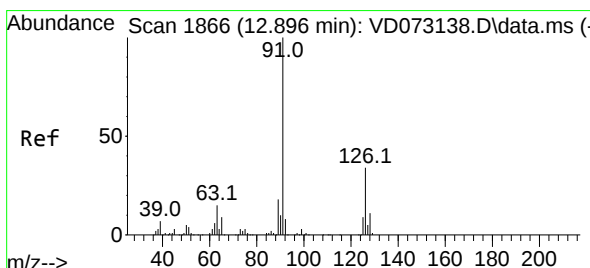
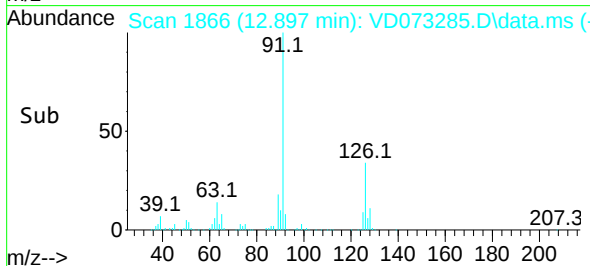
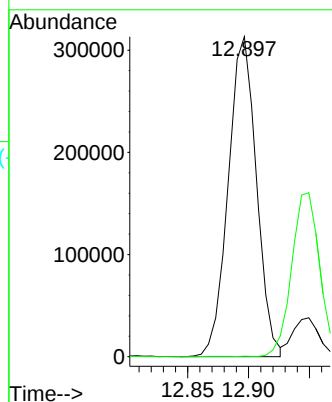
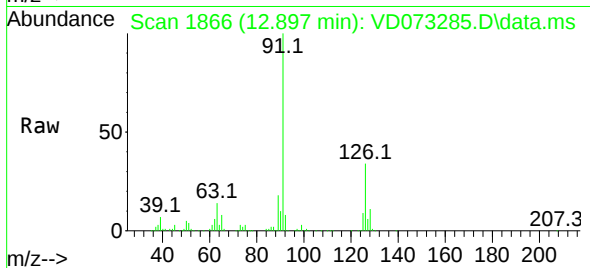
PT-VOA-SOILDL

Tgt Ion: 91 Resp: 504765

Ion Ratio Lower Upper

91 100

120 0.0 10.9 32.9#



#79

2-Chlorotoluene

Concen: 36.643 ug/l

RT: 12.897 min Scan# 1866

Delta R.T. 0.001 min

Lab File: VD073285.D

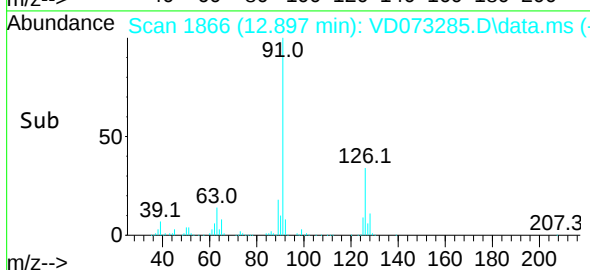
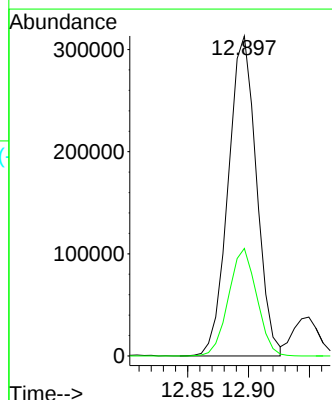
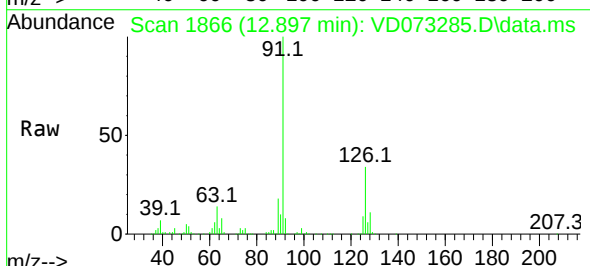
Acq: 23 May 2022 16:15

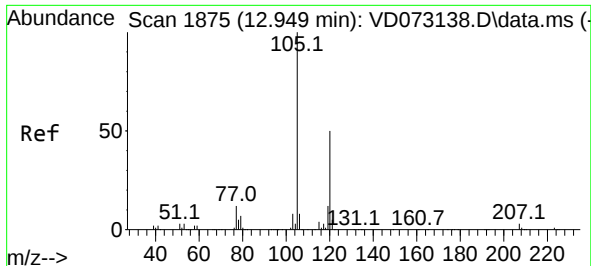
Tgt Ion: 91 Resp: 504765

Ion Ratio Lower Upper

91 100

126 33.5 16.2 48.6

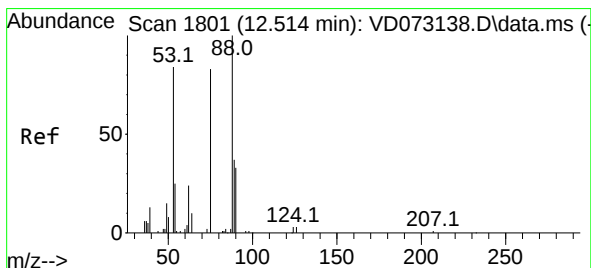
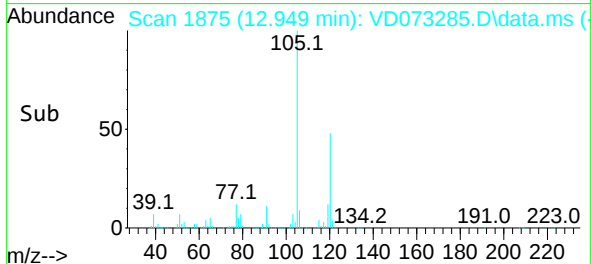
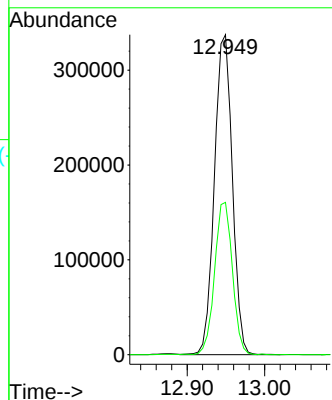
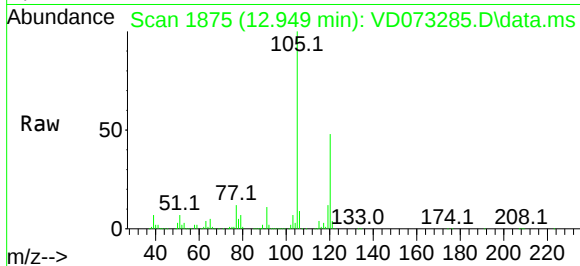




#80
 1,3,5-Trimethylbenzene
 Concen: 33.642 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

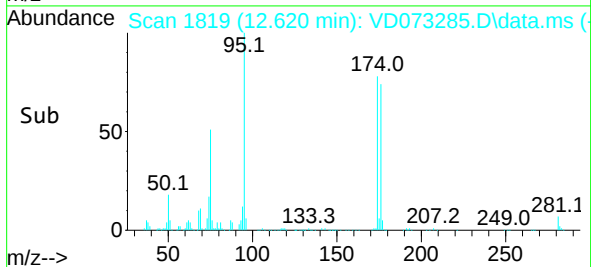
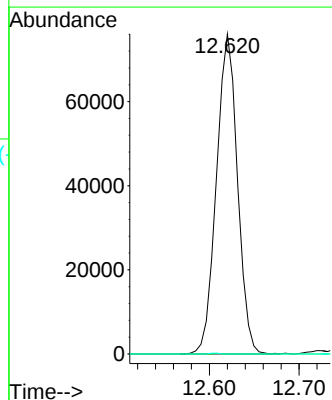
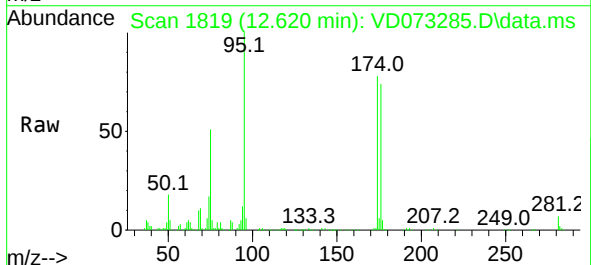
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

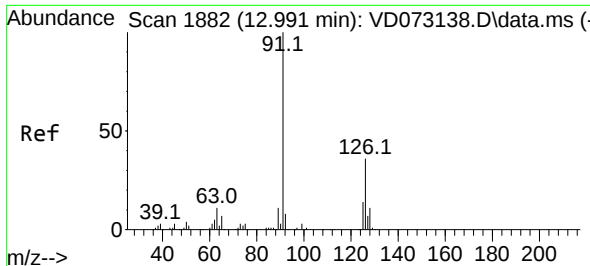
Tgt Ion:105 Resp: 541584
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.711 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion: 75 Resp: 123889
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

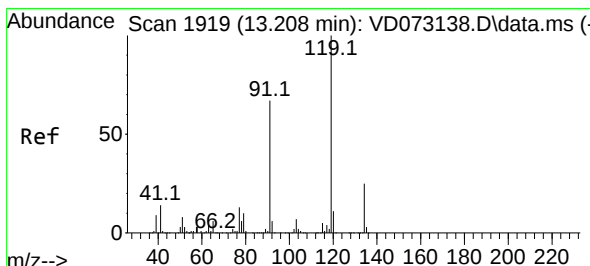
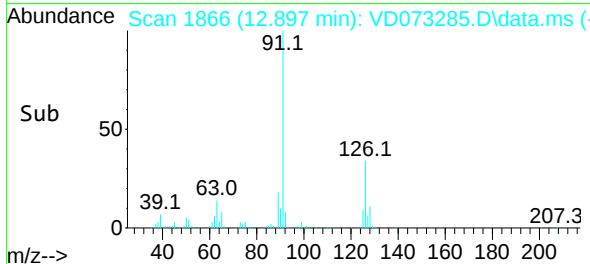
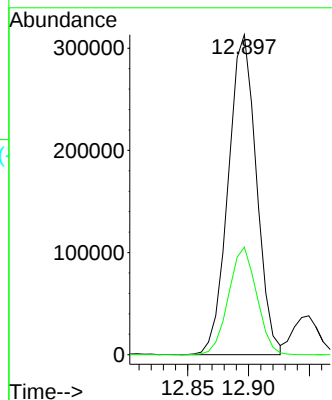
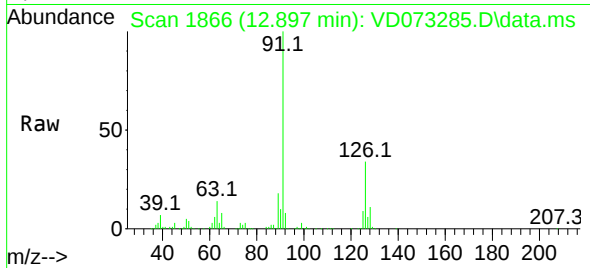




#82
4-Chlorotoluene
Concen: 34.959 ug/l
RT: 12.897 min Scan# 1874
Delta R.T. -0.094 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

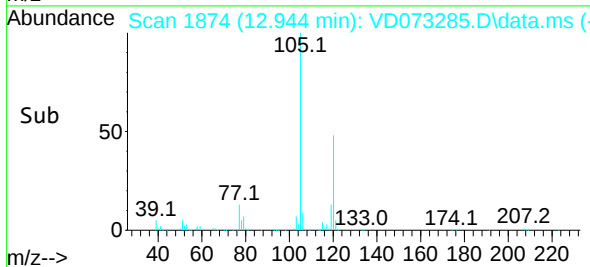
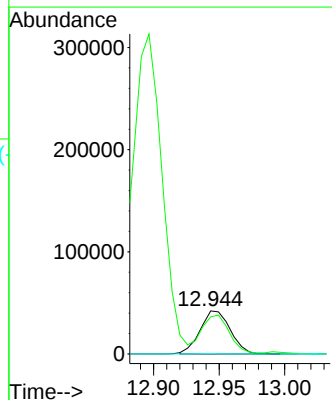
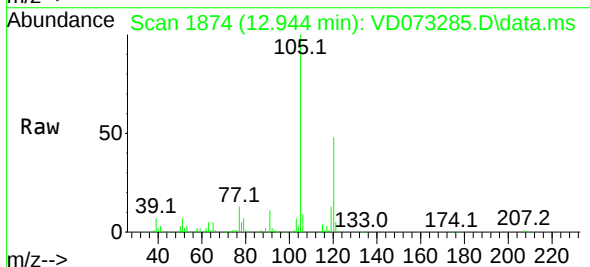
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

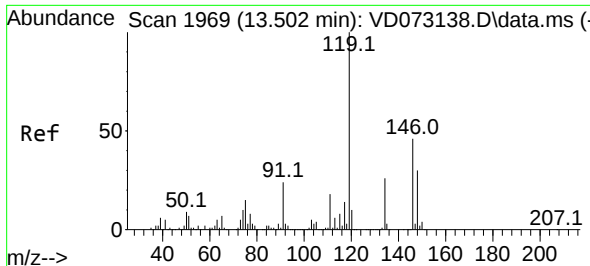
Tgt Ion: 91 Resp: 504765
Ion Ratio Lower Upper
91 100
126 33.5 16.5 49.5



#83
tert-Butylbenzene
Concen: 4.961 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. -0.264 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion: 119 Resp: 67310
Ion Ratio Lower Upper
119 100
91 79.7 34.8 104.5
134 0.0 13.3 39.9#

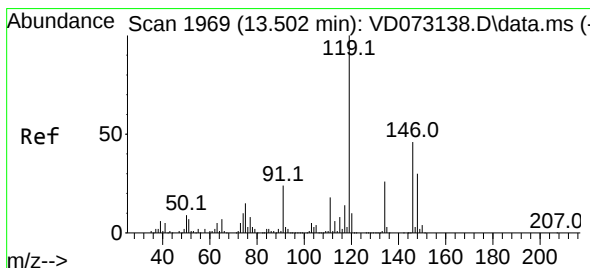
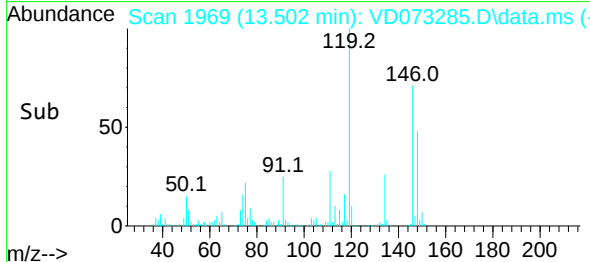
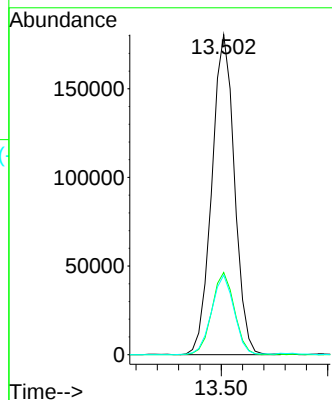
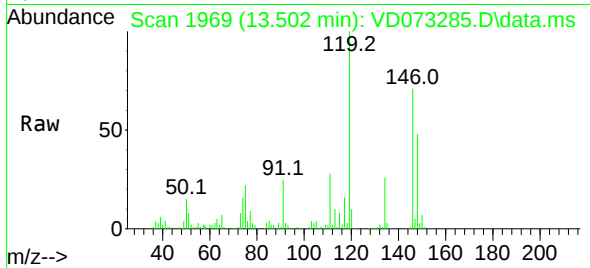




#86
 p-Isopropyltoluene
 Concen: 15.757 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

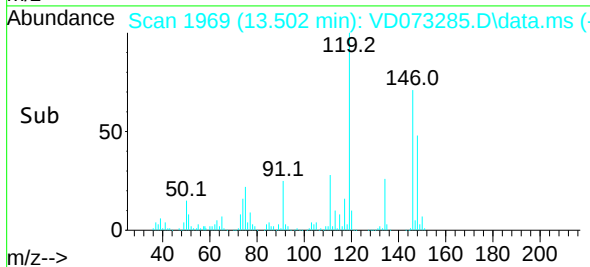
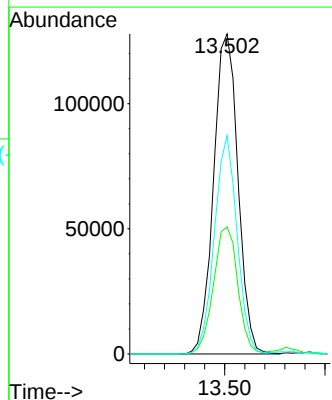
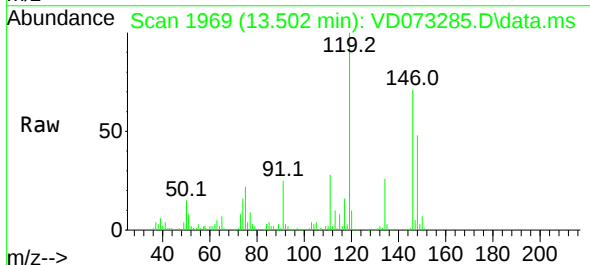
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

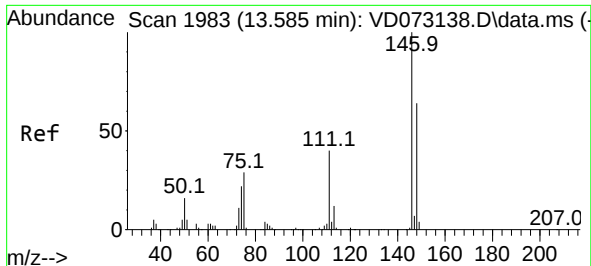
Tgt Ion:119 Resp: 266099
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 24.9 12.1 36.3



#87
 1,3-Dichlorobenzene
 Concen: 23.937 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073285.D
 Acq: 23 May 2022 16:15

Tgt Ion:146 Resp: 215842
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.4 61.3
 148 63.5 31.9 95.7

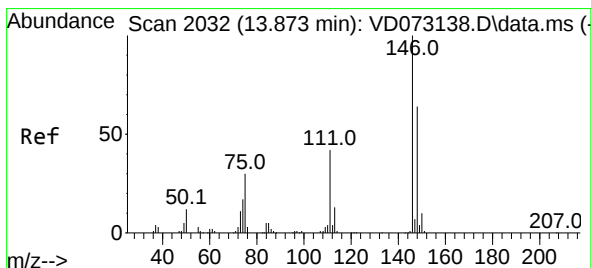
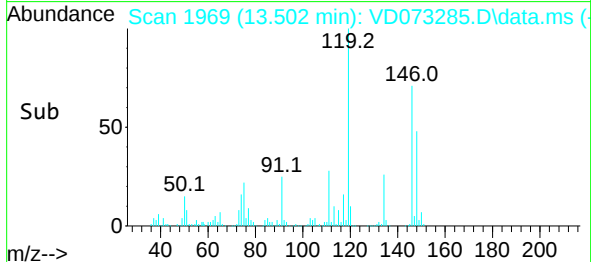
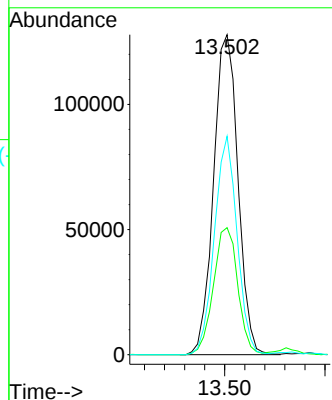
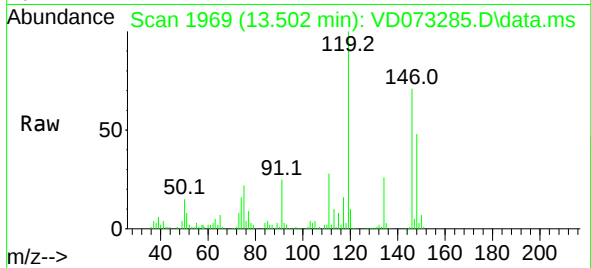




#88
1,4-Dichlorobenzene
Concen: 23.713 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.083 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

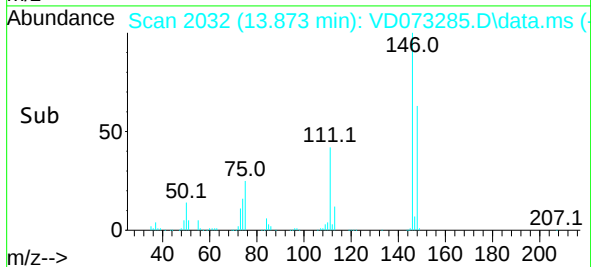
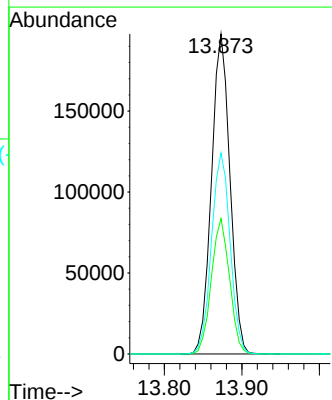
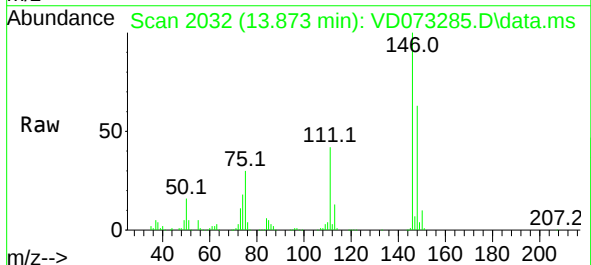
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILD

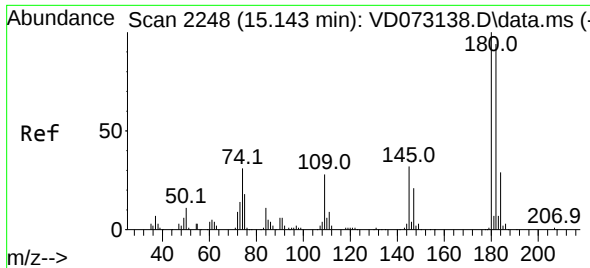
Tgt Ion:146 Resp: 215842
Ion Ratio Lower Upper
146 100
111 39.7 20.3 60.9
148 63.5 31.7 95.1



#91
1,2-Dichlorobenzene
Concen: 41.961 ug/l
RT: 13.873 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion:146 Resp: 327371
Ion Ratio Lower Upper
146 100
111 41.5 21.1 63.3
148 63.3 31.7 95.1

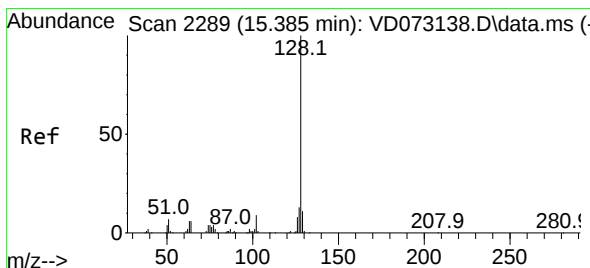
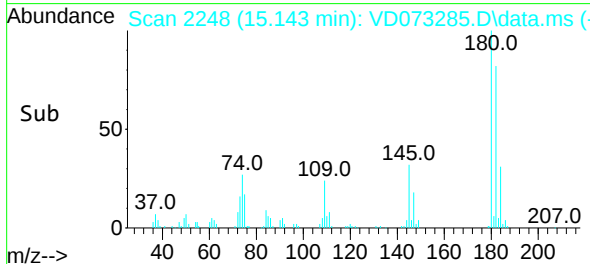
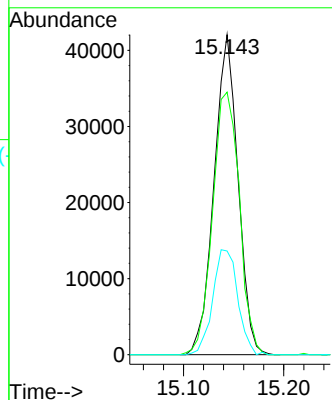
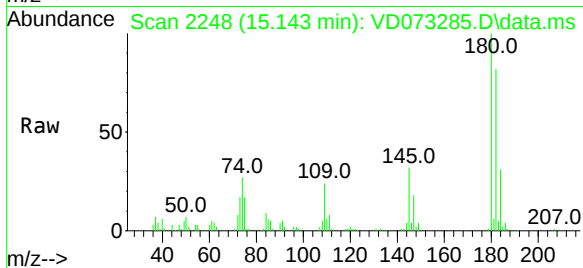




#93
1,2,4-Trichlorobenzene
Concen: 15.767 ug/l
RT: 15.143 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion:180 Resp: 69839
Ion Ratio Lower Upper
180 100
182 91.8 47.3 142.0
145 34.2 16.2 48.5



#95
Naphthalene
Concen: 39.269 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073285.D
Acq: 23 May 2022 16:15

Tgt Ion:128 Resp: 335426
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.5 8.4 12.6

