

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062722\
 Data File : VD073733.D
 Acq On : 27 Jun 2022 20:55
 Operator : VA/SY
 Sample : N3492-02
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

Quant Time: Jun 28 02:13:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 16:20:04 2022
 Response via : Initial Calibration

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

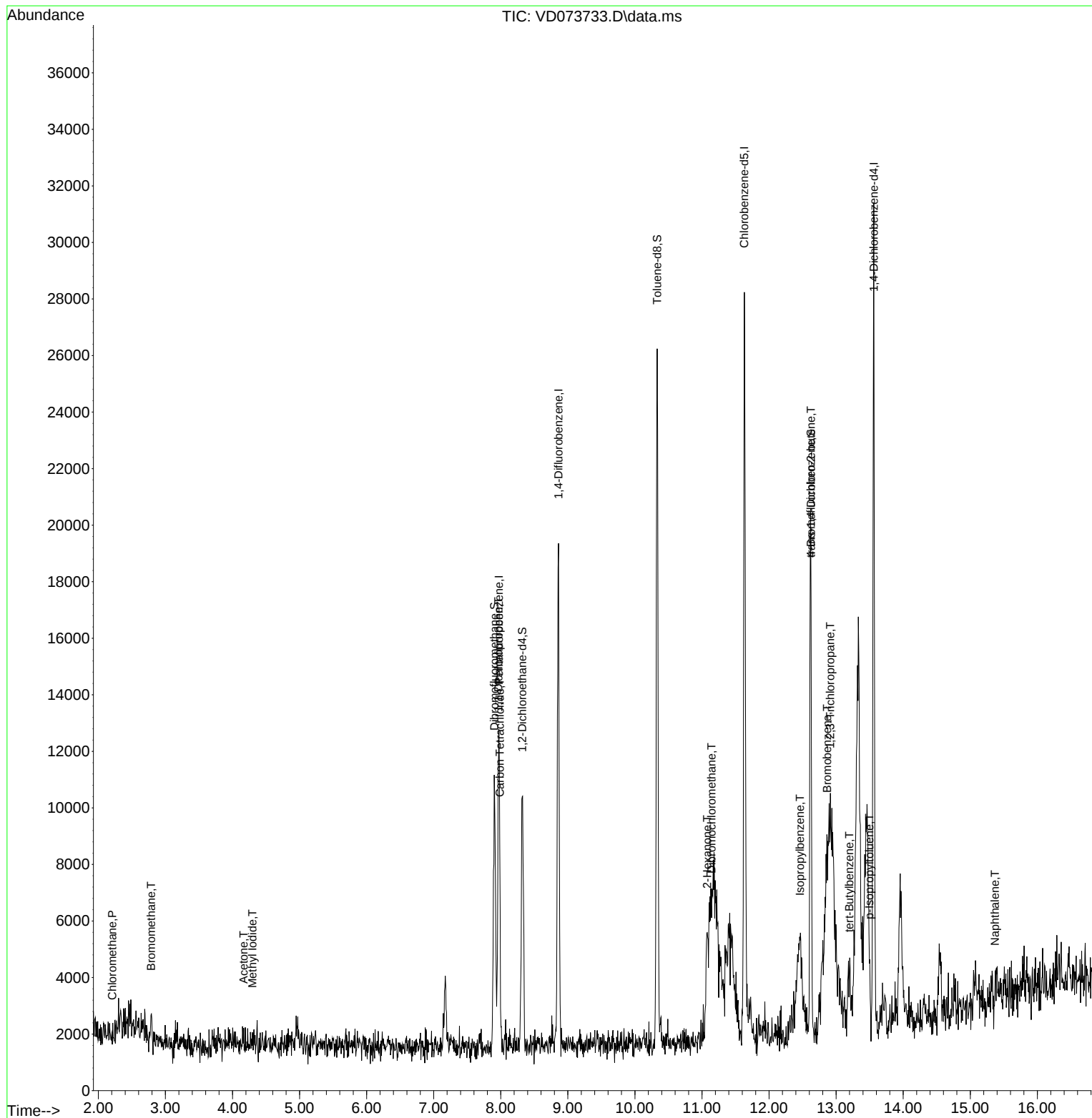
Internal Standards						
1) Pentafluorobenzene	7.973	168	8838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	15761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	7749	112.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 224.840%#	
35) Dibromofluoromethane	7.902	113	6535	73.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 146.340%	
50) Toluene-d8	10.332	98	18641	61.554	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.100%	
62) 4-Bromofluorobenzene	12.626	95	6608	52.986	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	354	8.011	ug/l #	40
5) Bromomethane	2.785	94	508	12.134	ug/l #	43
10) Methyl Iodide	4.297	142	567	8.992	ug/l #	36
16) Acetone	4.167	43	174	12.390	ug/l #	43
20) Methylene Chloride	4.961	84	552	Below Cal	#	69
36) 1,1-Dichloropropene	7.967	75	633	5.690	ug/l #	41
38) Carbon Tetrachloride	7.985	117	360	2.641	ug/l #	11
59) 2-Hexanone	11.079	43	247	6.945	ug/l #	22
60) Dibromochloromethane	11.143	129	313	3.156	ug/l #	56
73) Isopropylbenzene	12.461	105	747	1.720	ug/l #	49
76) 1,2,3-Trichloropropane	12.914	75	108	1.997	ug/l #	1
77) Bromobenzene	12.867	156	4310	39.990	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	3124	117.648	ug/l #	11
83) tert-Butylbenzene	13.196	119	502	1.545	ug/l #	73
86) p-Isopropyltoluene	13.496	119	450	1.115	ug/l #	50
95) Naphthalene	15.367	128	377	1.745	ug/l #	83

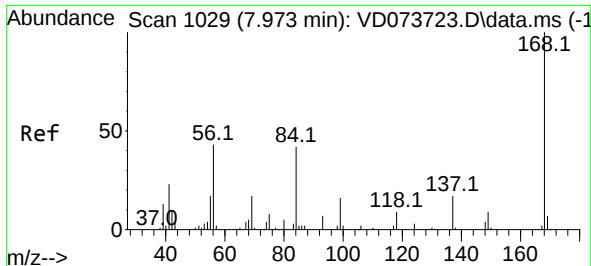
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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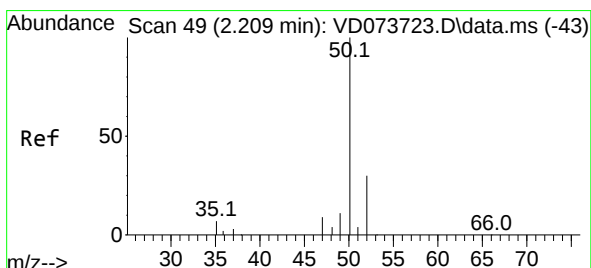
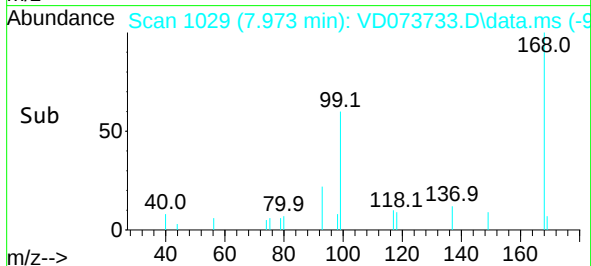
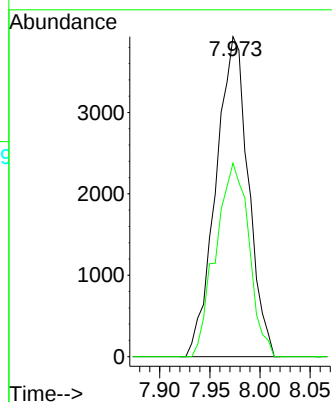
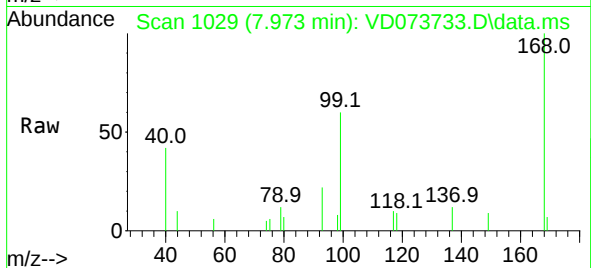




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

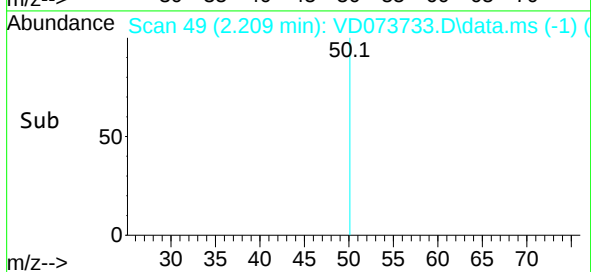
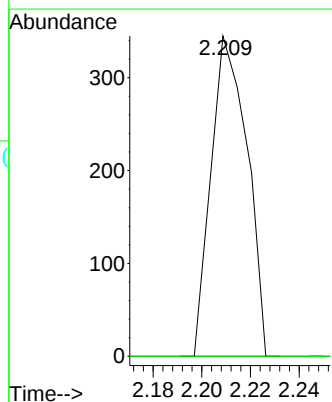
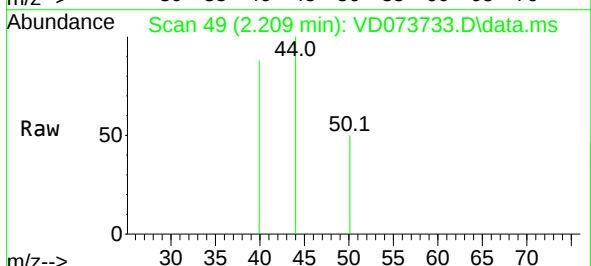
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

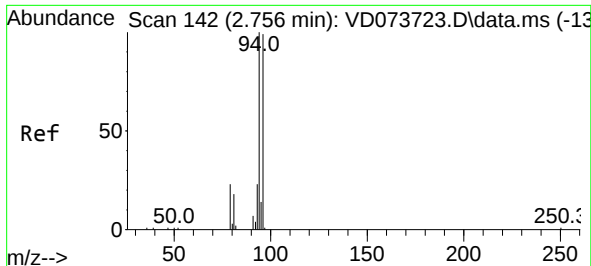
Tgt Ion:168 Resp: 8838
Ion Ratio Lower Upper
168 100
99 60.4 46.4 69.6



#3
Chloromethane
Concen: 8.011 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 50 Resp: 354
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

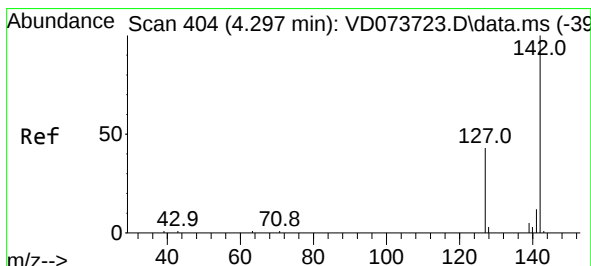
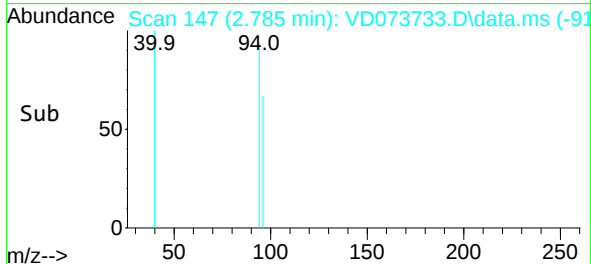
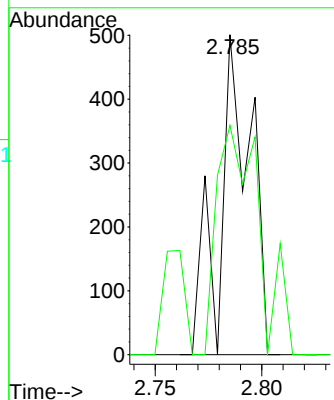
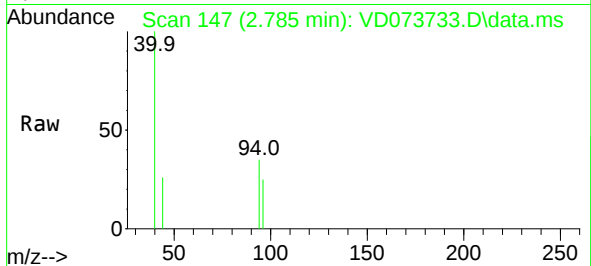




#5
Bromomethane
Concen: 12.134 ug/l
RT: 2.785 min Scan# 142
Delta R.T. 0.029 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

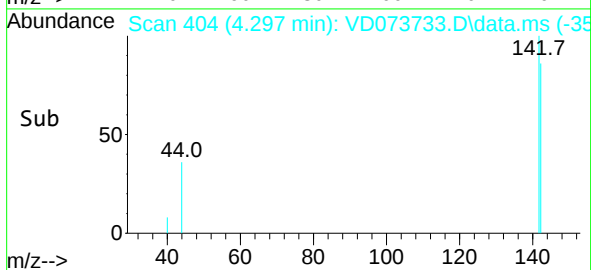
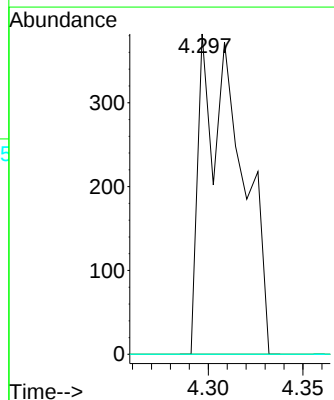
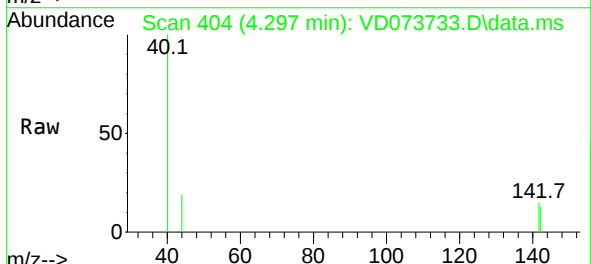
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

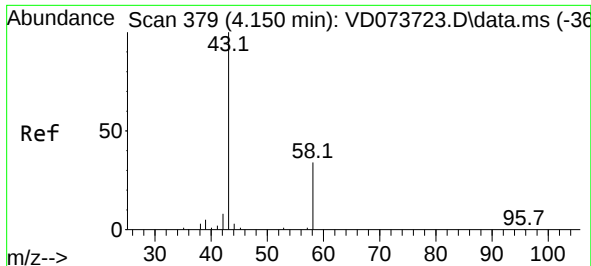
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 39.1 75.1 112.7#



#10
Methyl Iodide
Concen: 8.992 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 142 Resp: 567
Ion Ratio Lower Upper
142 100
127 0.0 39.4 59.2#
141 0.0 11.9 17.9#

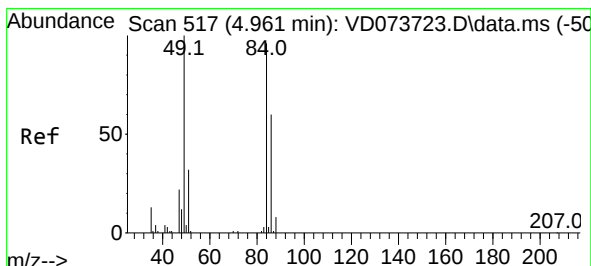
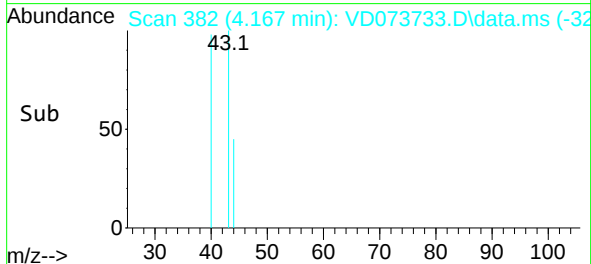
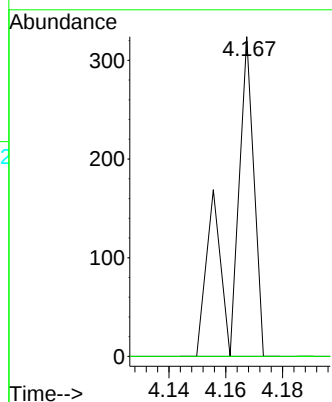
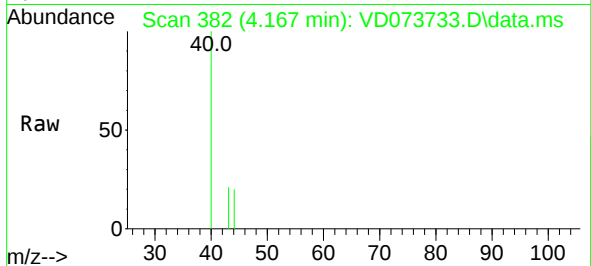




#16
Acetone
Concen: 12.390 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.017 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

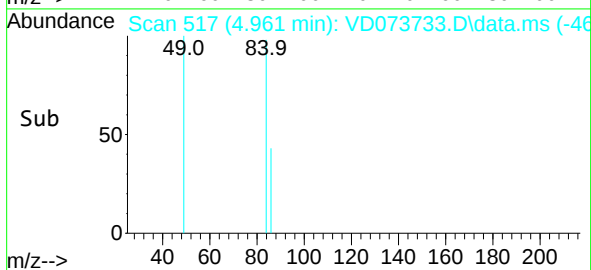
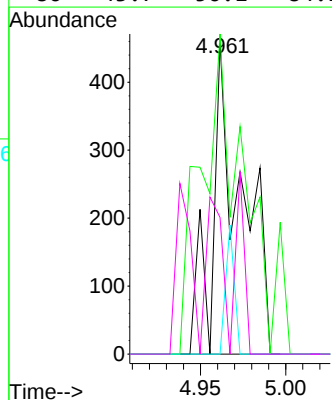
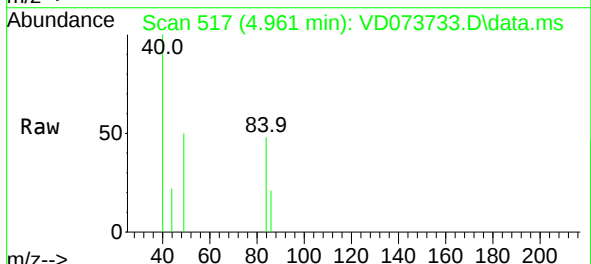
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

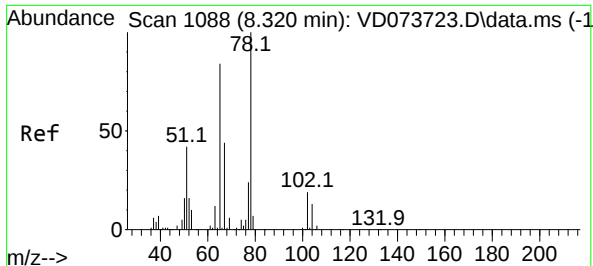
Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 84 Resp: 552
Ion Ratio Lower Upper
84 100
49 102.4 100.6 150.8
51 0.0 29.8 44.6#
86 43.7 56.1 84.1#





#33

1,2-Dichloroethane-d4

Concen: 112.415 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073733.D

Acq: 27 Jun 2022 20:55

Instrument :

MSVOA_D

ClientSampleId :

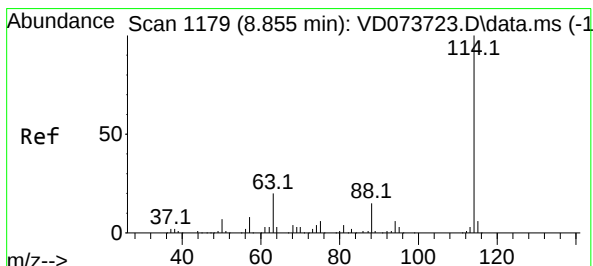
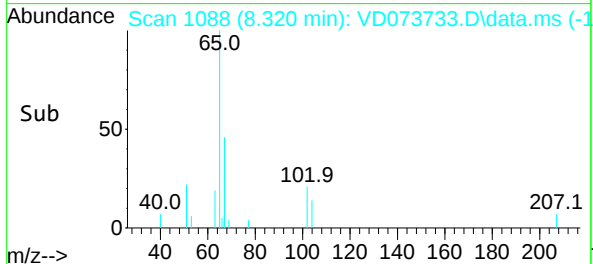
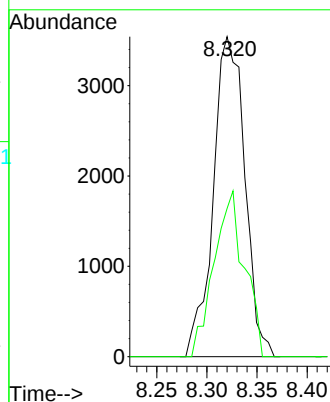
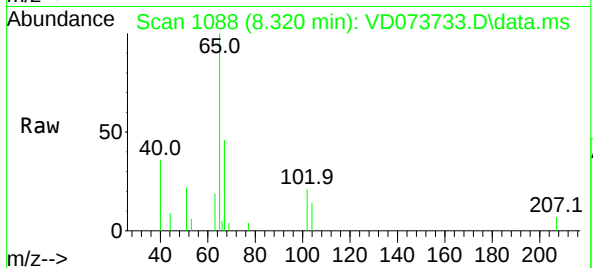
SOIL-PILE

Tgt Ion: 65 Resp: 7749

Ion Ratio Lower Upper

65 100

67 49.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073733.D

Acq: 27 Jun 2022 20:55

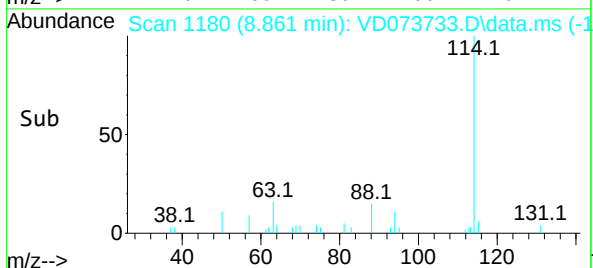
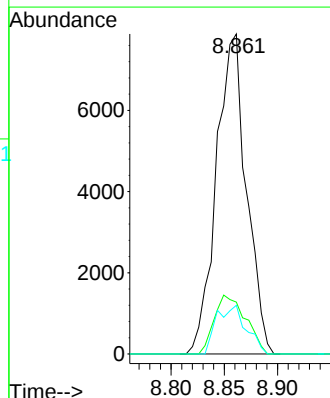
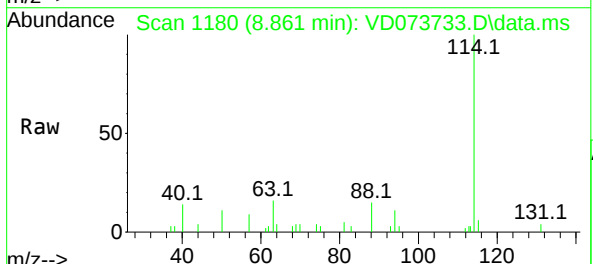
Tgt Ion: 114 Resp: 15476

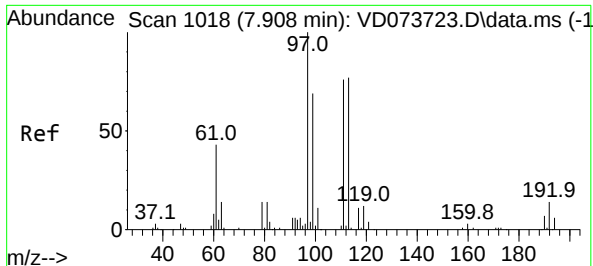
Ion Ratio Lower Upper

114 100

63 16.2 0.0 39.2

88 15.2 0.0 29.4

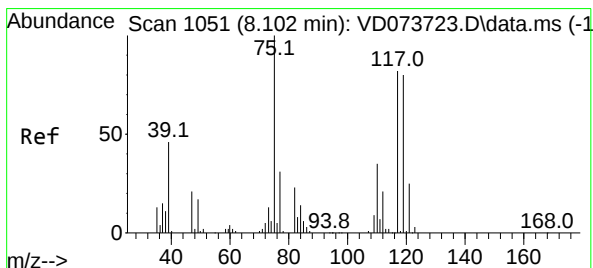
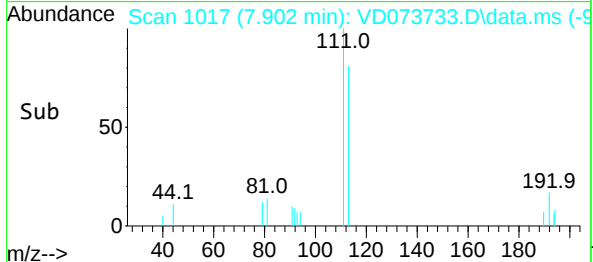
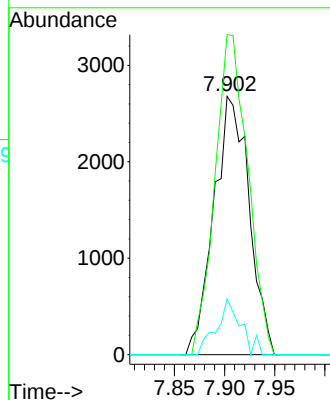
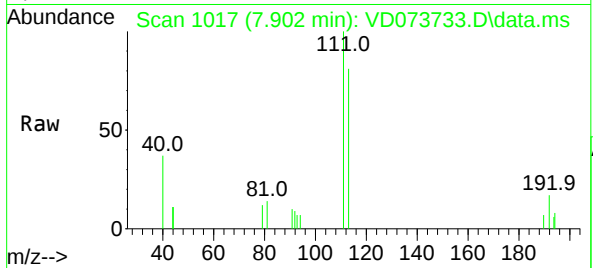




#35
Dibromofluoromethane
Concen: 73.175 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

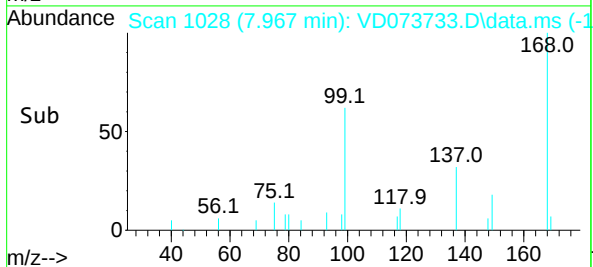
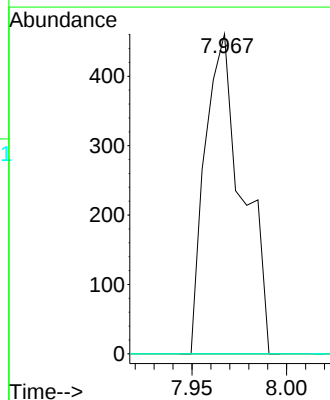
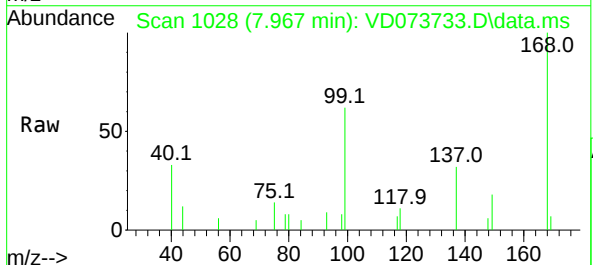
Instrument :
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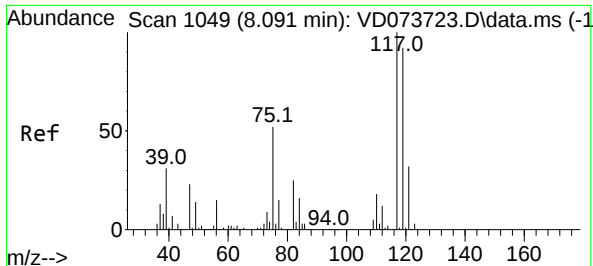
Tgt Ion:113 Resp: 6535
Ion Ratio Lower Upper
113 100
111 115.9 81.8 122.6
192 15.0 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.690 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

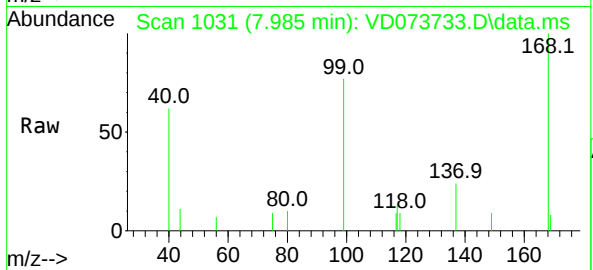
Tgt Ion: 75 Resp: 633
Ion Ratio Lower Upper
75 100
110 0.0 18.0 54.0#
77 0.0 25.6 38.4#



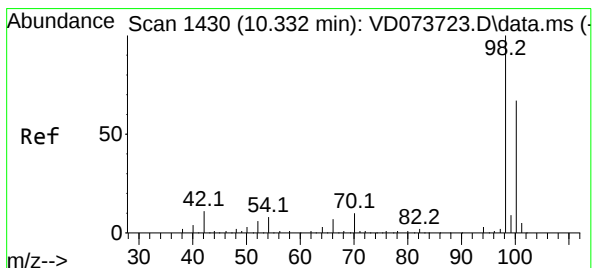
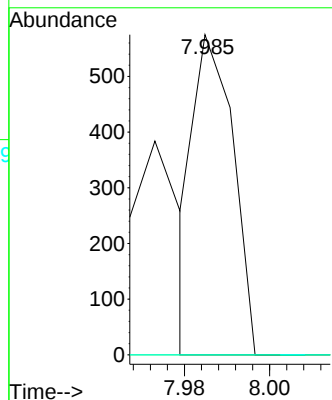
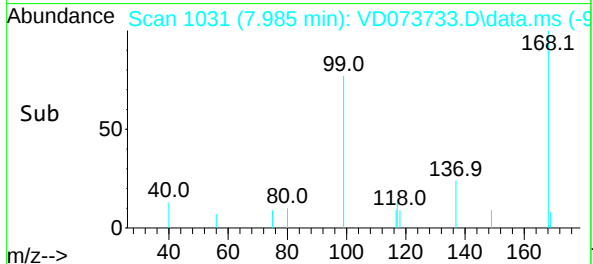


#38
Carbon Tetrachloride
Concen: 2.641 ug/l
RT: 7.985 min Scan# 1049
Delta R.T. -0.106 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

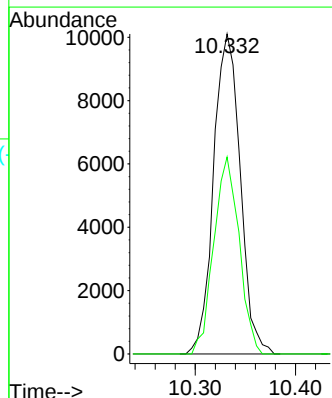
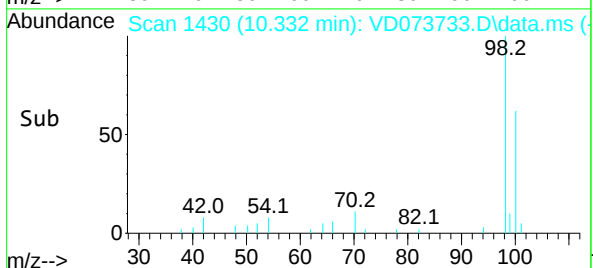
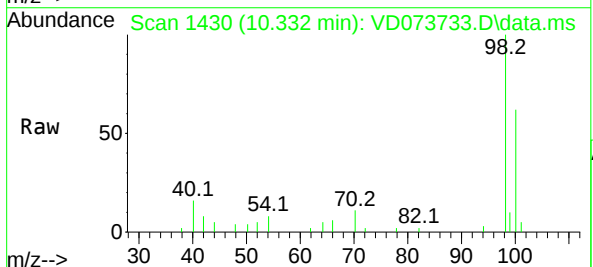


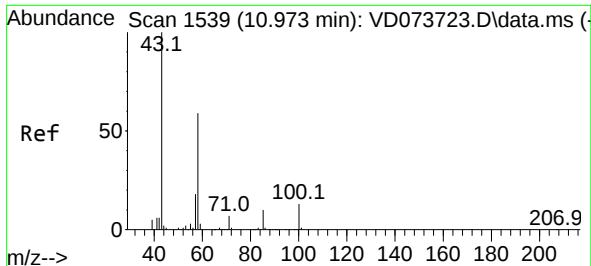
Tgt Ion:117 Resp: 360
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 61.554 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 98 Resp: 18641
Ion Ratio Lower Upper
98 100
100 58.7 54.0 81.0

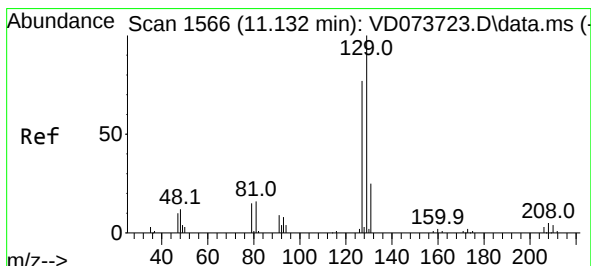
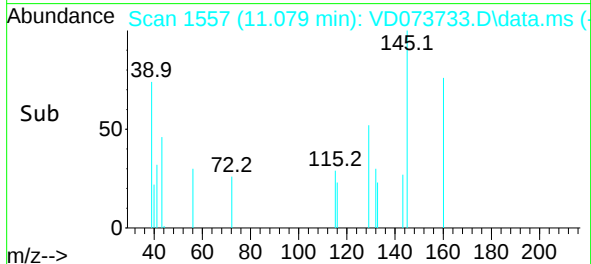
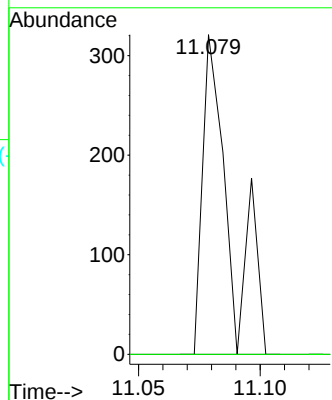
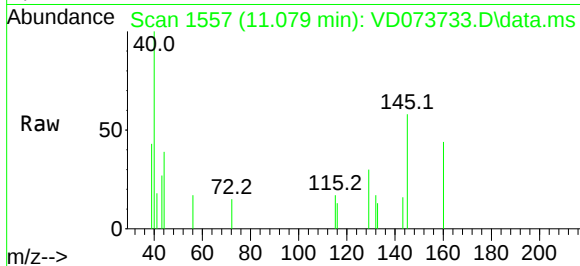




#59
2-Hexanone
Concen: 6.945 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

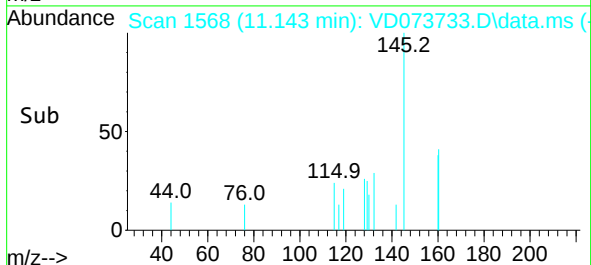
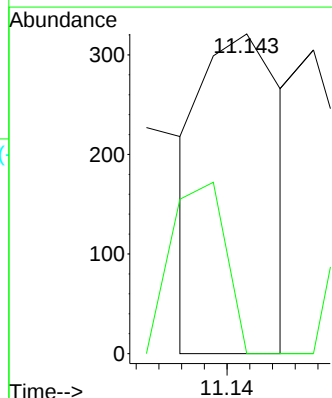
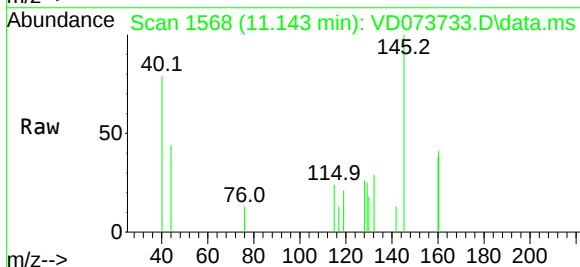
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

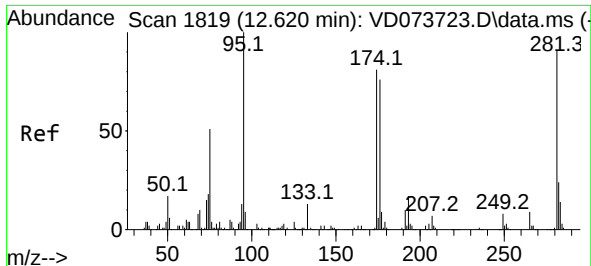
Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#60
Dibromochloromethane
Concen: 3.156 ug/l
RT: 11.143 min Scan# 1568
Delta R.T. 0.011 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion:129 Resp: 313
Ion Ratio Lower Upper
129 100
127 36.7 36.8 110.4#





#62

4-Bromofluorobenzene

Concen: 52.986 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.006 min

Lab File: VD073733.D

Acq: 27 Jun 2022 20:55

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

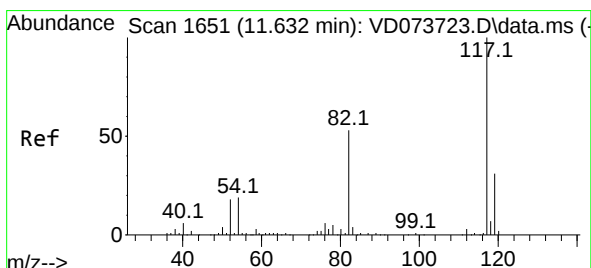
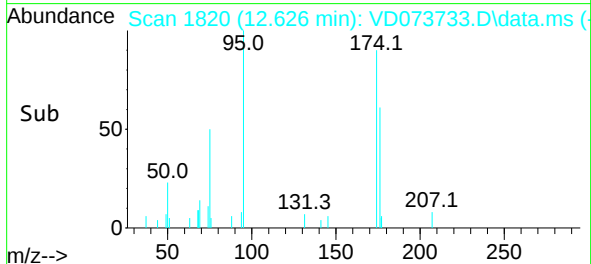
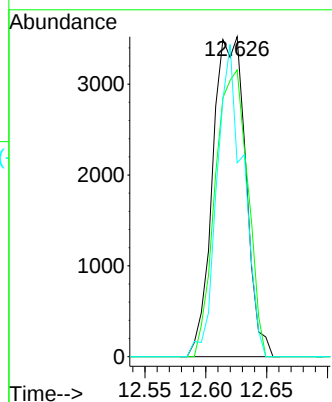
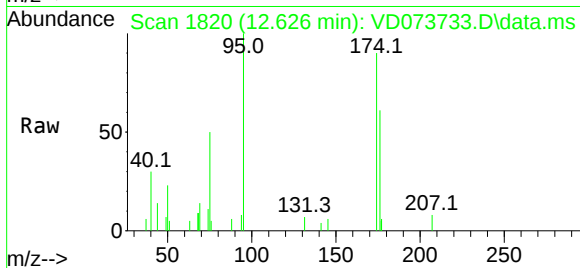
Tgt Ion: 95 Resp: 6608

Ion Ratio Lower Upper

95 100

174 88.3 0.0 158.4

176 77.7 0.0 154.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1651

Delta R.T. -0.000 min

Lab File: VD073733.D

Acq: 27 Jun 2022 20:55

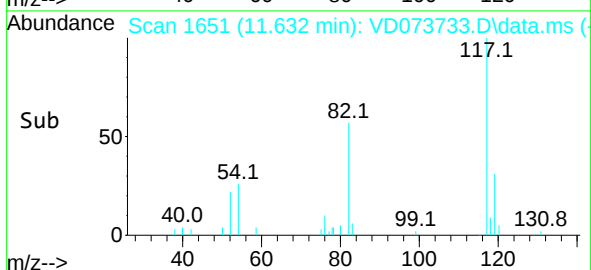
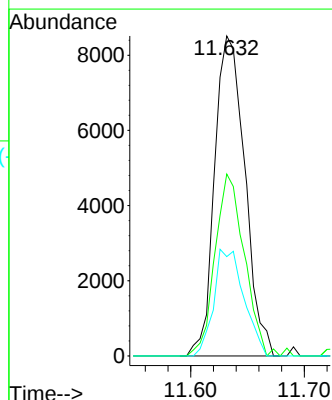
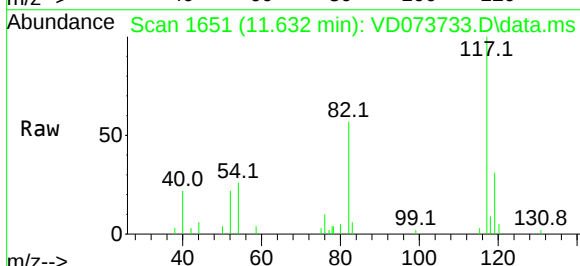
Tgt Ion: 117 Resp: 15761

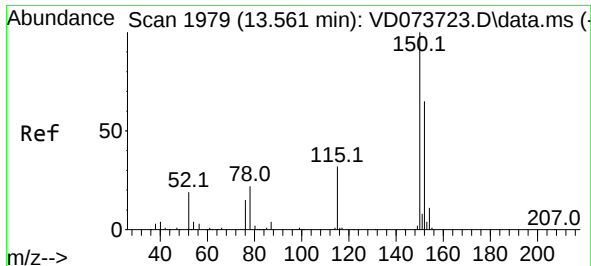
Ion Ratio Lower Upper

117 100

82 56.9 41.5 62.3

119 31.0 27.1 40.7

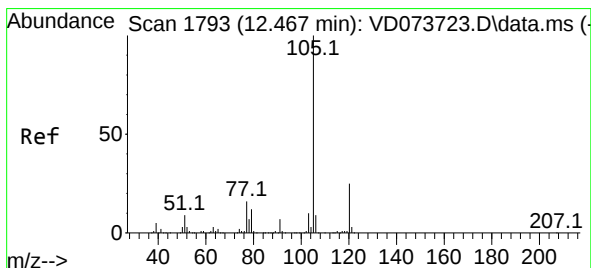
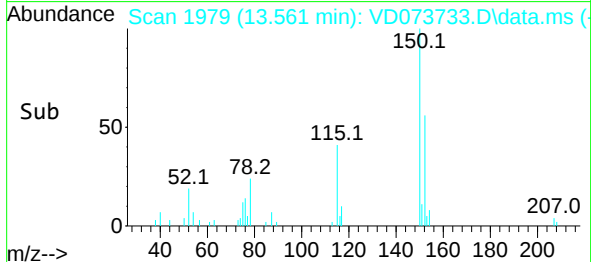
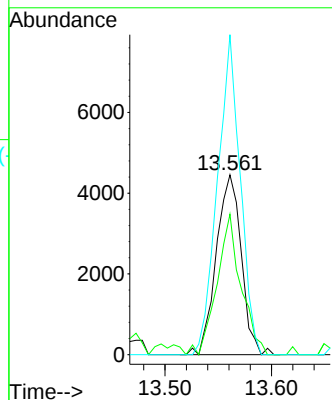
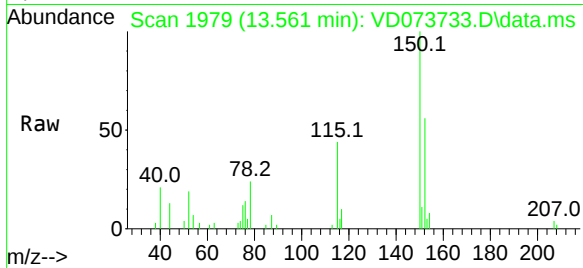




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

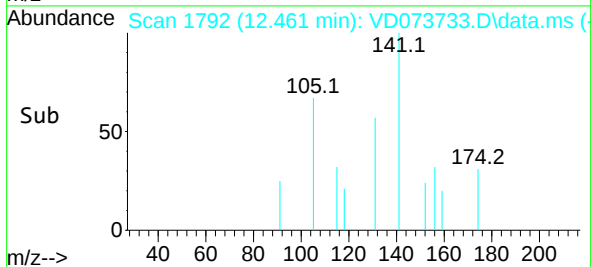
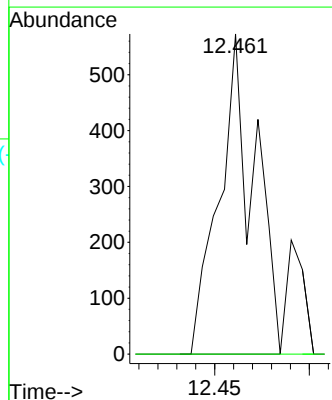
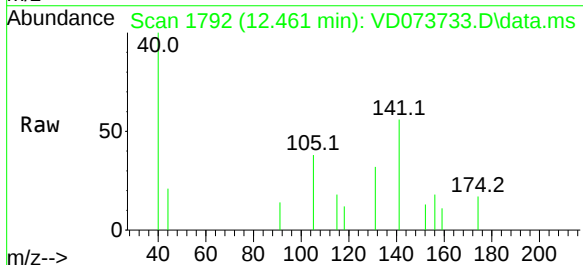
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

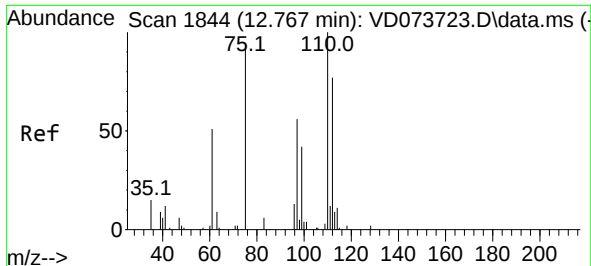
Tgt Ion:152 Resp: 7229
Ion Ratio Lower Upper
152 100
115 75.2 30.6 91.6
150 162.7 0.0 355.0



#73
Isopropylbenzene
Concen: 1.720 ug/l
RT: 12.461 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion:105 Resp: 747
Ion Ratio Lower Upper
105 100
120 0.0 13.2 39.6#

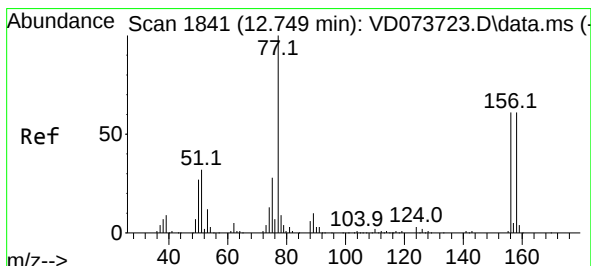
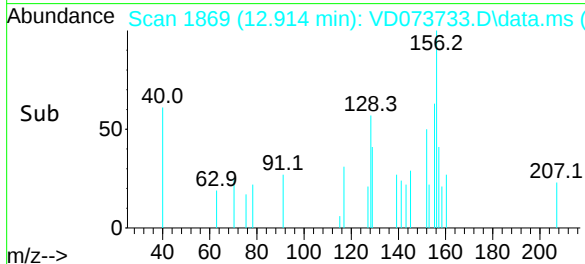
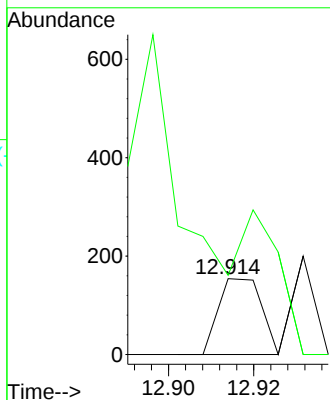
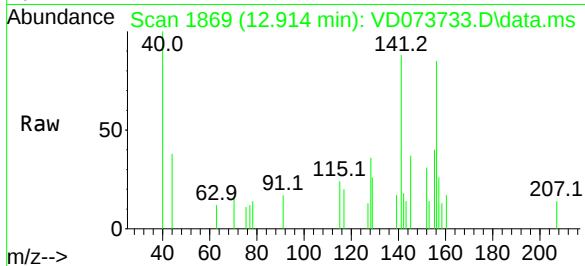




#76
1,2,3-Trichloropropane
Concen: 1.997 ug/l
RT: 12.914 min Scan# 1869
Delta R.T. 0.147 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

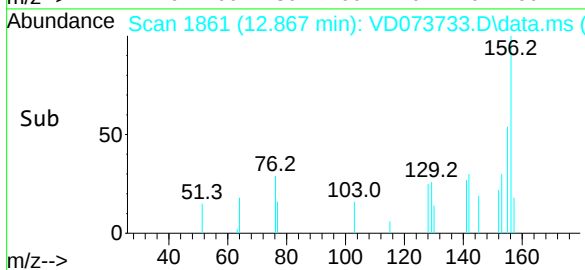
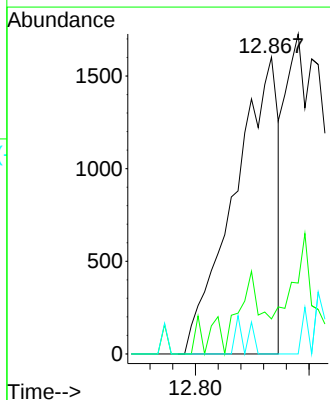
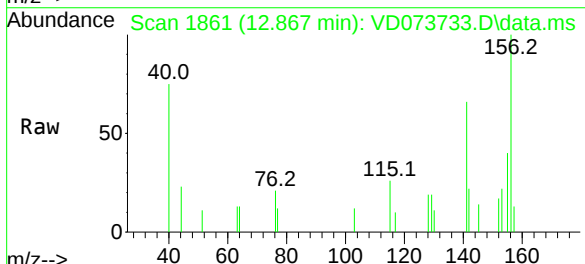
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

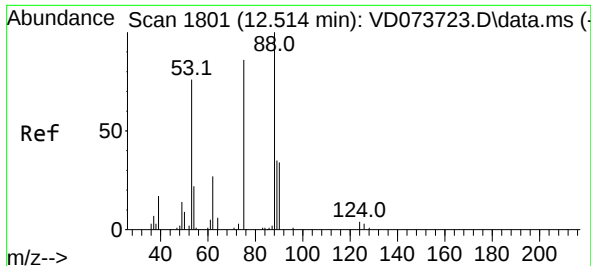
Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 1007.4 195.3 586.0#



#77
Bromobenzene
Concen: 39.990 ug/l
RT: 12.867 min Scan# 1861
Delta R.T. 0.118 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 156 Resp: 4310
Ion Ratio Lower Upper
156 100
77 0.0 90.9 272.7#
158 0.0 48.4 145.2#

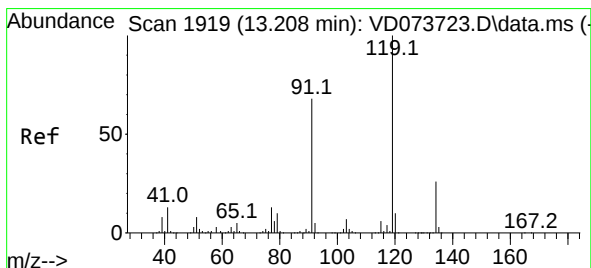
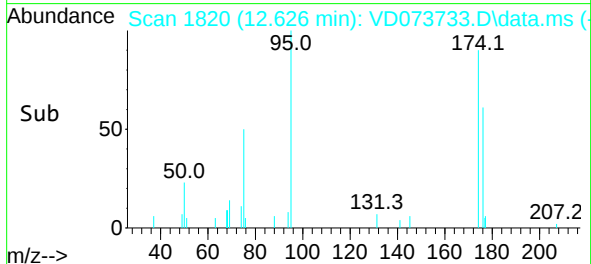
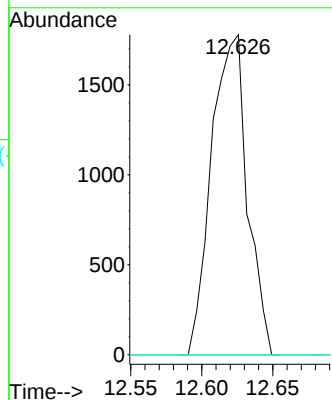
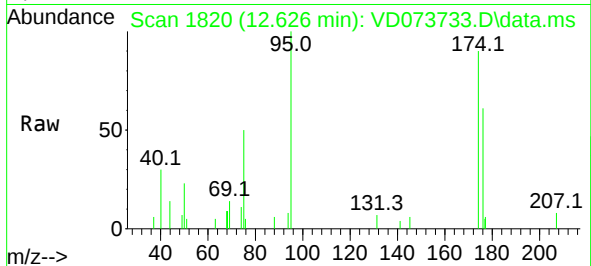




#81
trans-1,4-Dichloro-2-butene
Concen: 117.648 ug/l
RT: 12.626 min Scan# 1801
Delta R.T. 0.112 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

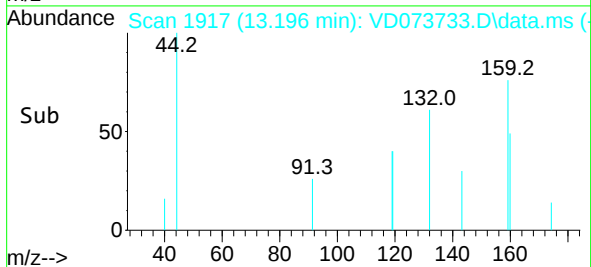
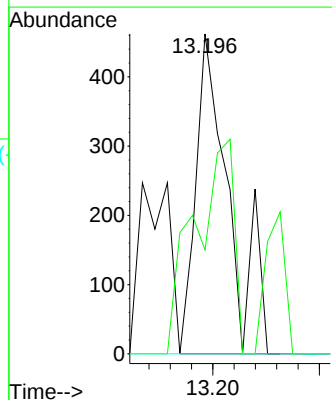
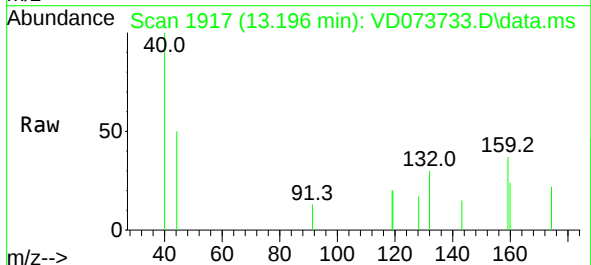
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

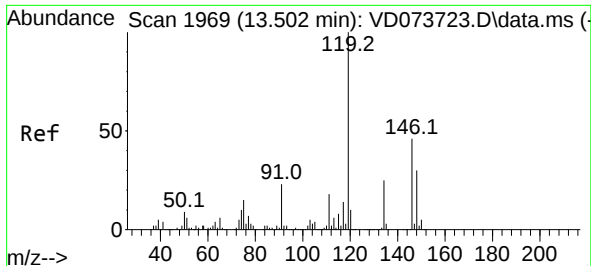
Tgt Ion: 75 Resp: 3124
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.0 37.8 56.8#



#83
tert-Butylbenzene
Concen: 1.545 ug/l
RT: 13.196 min Scan# 1917
Delta R.T. -0.012 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion: 119 Resp: 502
Ion Ratio Lower Upper
119 100
91 79.1 32.1 96.5
134 0.0 12.4 37.4#

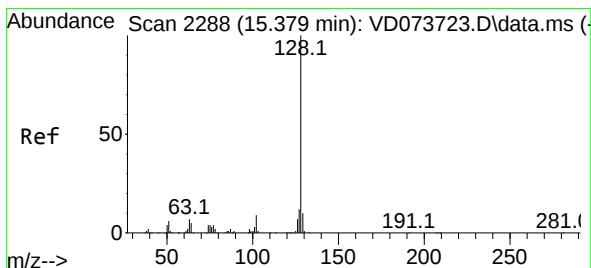
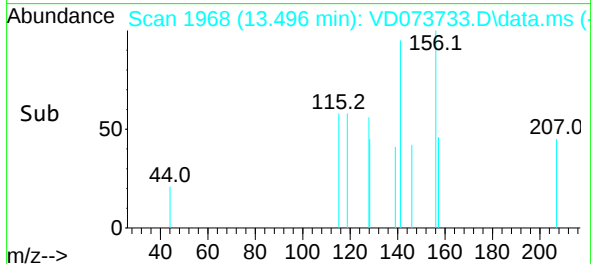
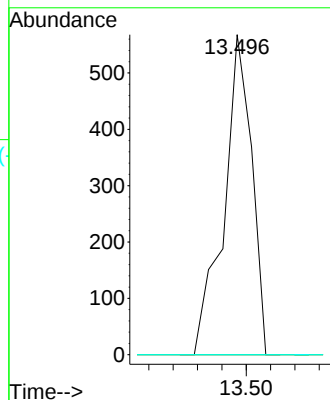
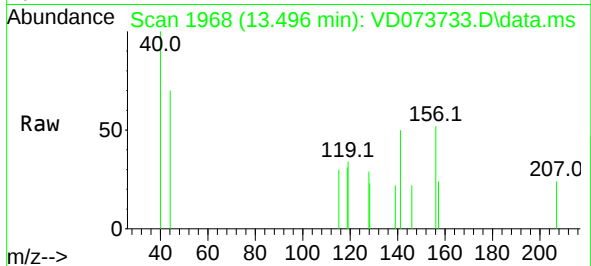




#86
p-Isopropyltoluene
Concen: 1.115 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

Tgt Ion:119 Resp: 450
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 12.1 36.3#



#95
Naphthalene
Concen: 1.745 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.012 min
Lab File: VD073733.D
Acq: 27 Jun 2022 20:55

Tgt Ion:128 Resp: 377
Ion Ratio Lower Upper
128 100
127 15.9 10.6 16.0
129 0.0 8.9 13.3#

