

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069243.D
 Acq On : 21 May 2021 17:25
 Operator : VA/SY
 Sample : M2449-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3

Quant Time: May 22 00:35:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

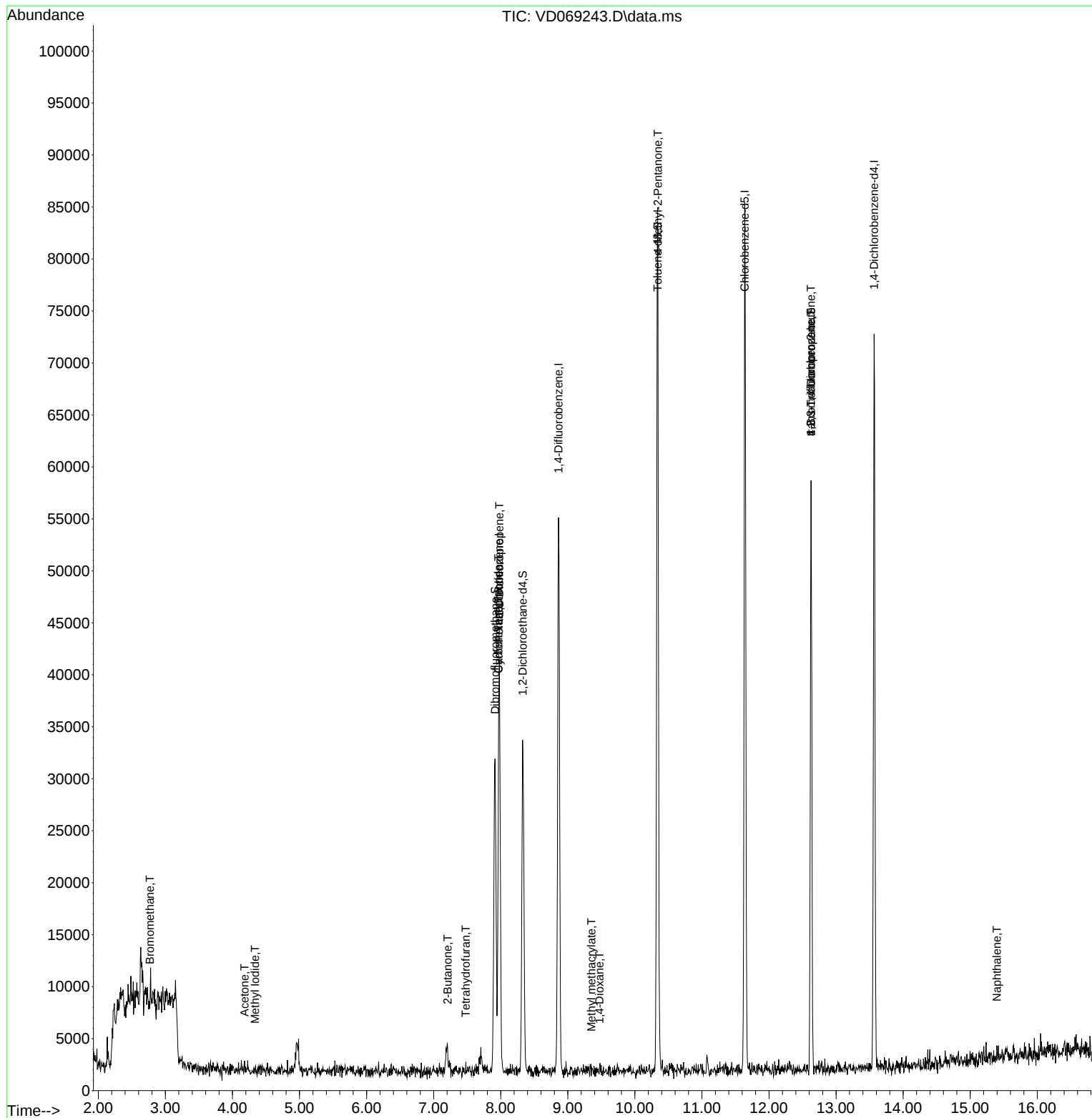
Internal Standards						
1) Pentafluorobenzene	7.973	168	26549	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	47244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	49039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	17812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24219	91.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 182.00%#			
35) Dibromofluoromethane	7.914	113	21787	70.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 141.72%			
50) Toluene-d8	10.338	98	59439	52.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.24%			
62) 4-Bromofluorobenzene	12.626	95	16567	45.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.16%			
Target Compounds					Qvalue	
5) Bromomethane	2.768	94	597	1.86	ug/l #	3
10) Methyl Iodide	4.338	142	60	1.12	ug/l #	38
16) Acetone	4.179	43	118	2.89	ug/l #	41
20) Methylene Chloride	4.950	84	1528	Below Cal	#	79
25) 2-Butanone	7.209	43	67	1.21	ug/l #	38
29) Tetrahydrofuran	7.479	42	111	3.70	ug/l #	24
31) Cyclohexane	7.967	56	649	1.65	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	2455	5.35	ug/l #	40
38) Carbon Tetrachloride	7.967	117	3061	5.96	ug/l #	12
48) Methyl methacrylate	9.350	41	126	1.02	ug/l #	1
49) 1,4-Dioxane	9.473	88	110	45.21	ug/l #	29
51) 4-Methyl-2-Pentanone	10.344	43	306	2.22	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	9093	67.91	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	9093	137.18	ug/l #	14
95) Naphthalene	15.396	128	70	2.16	ug/l #	69

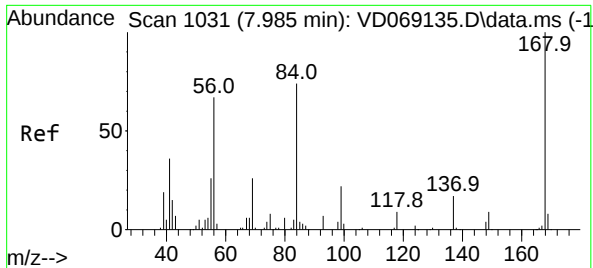
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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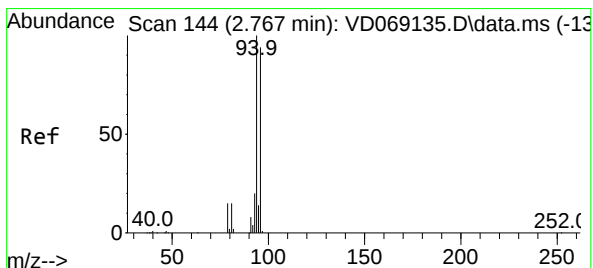
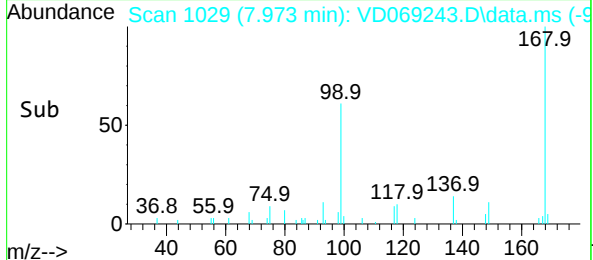
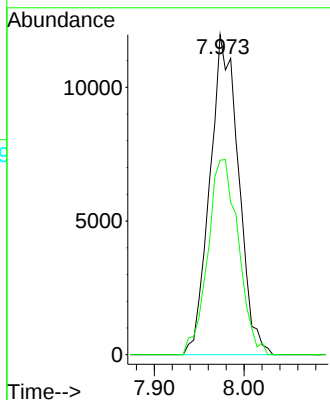
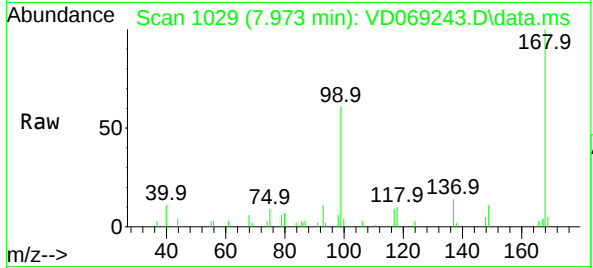




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

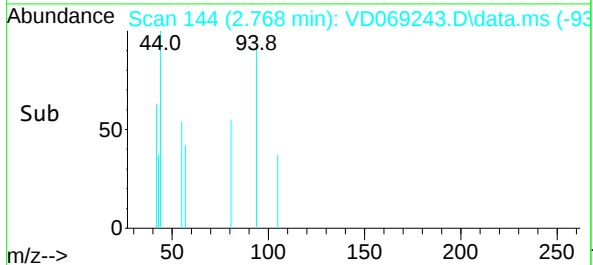
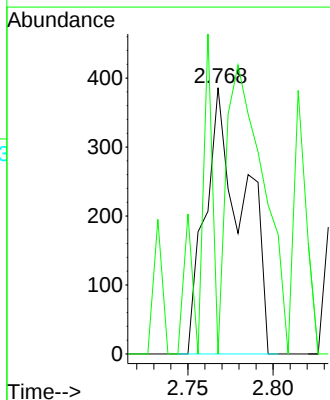
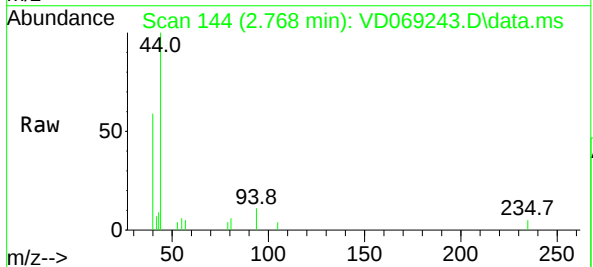
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

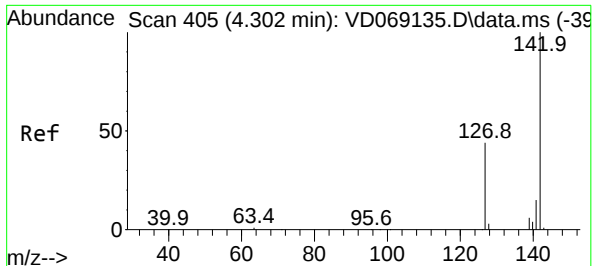
Tgt Ion:168 Resp: 26549
Ion Ratio Lower Upper
168 100
99 60.7 47.2 70.8



#5
Bromomethane
Concen: 1.86 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#

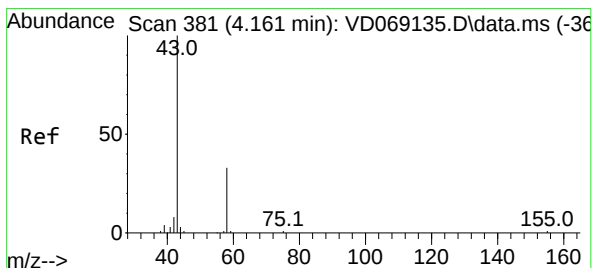
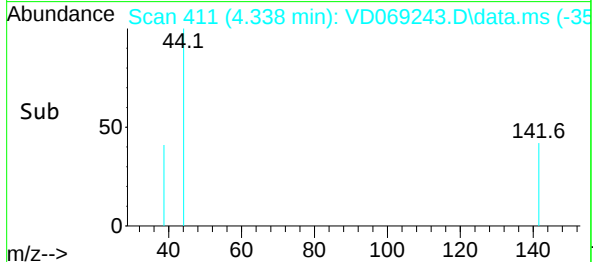
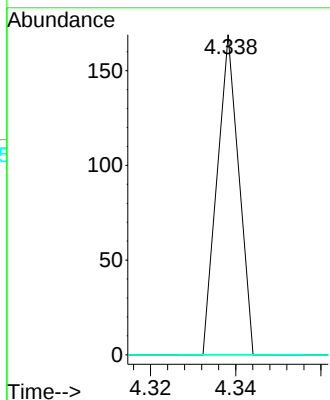
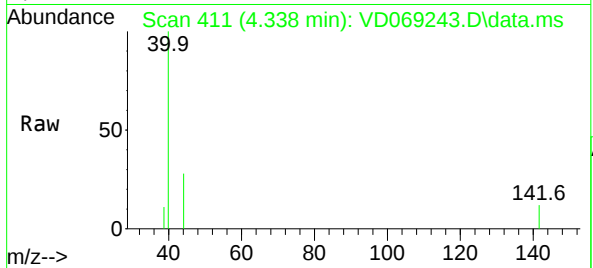




#10
Methyl Iodide
Concen: 1.12 ug/l
RT: 4.338 min Scan# 411
Delta R.T. 0.036 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

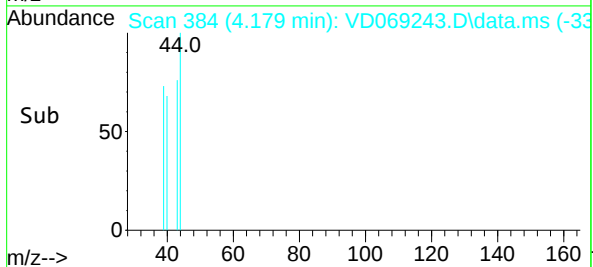
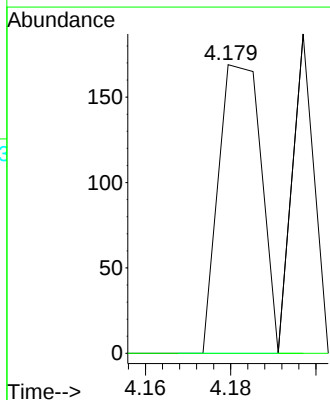
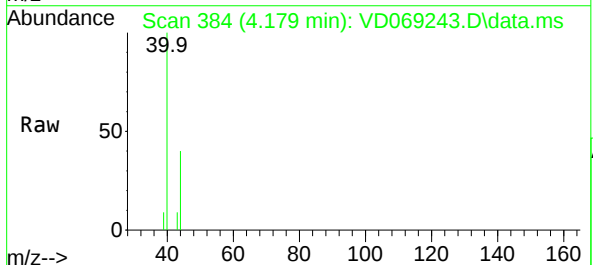
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

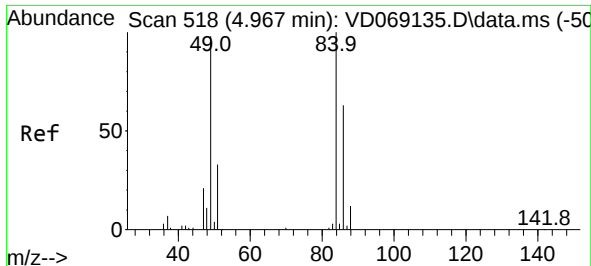
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 2.89 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.018 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

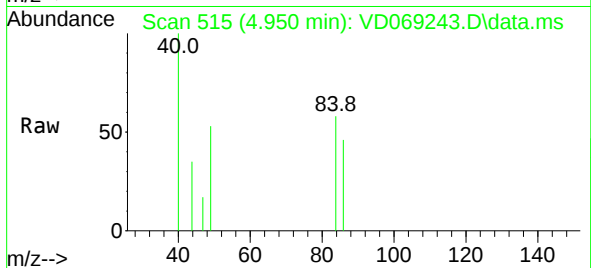
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



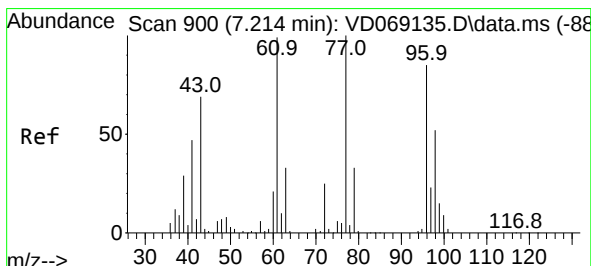
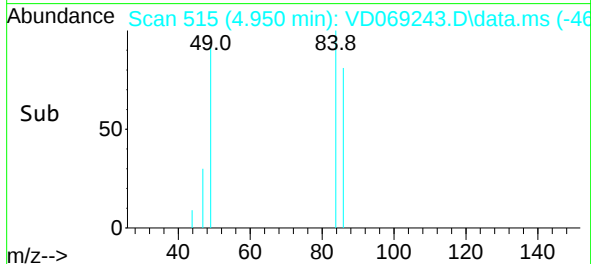
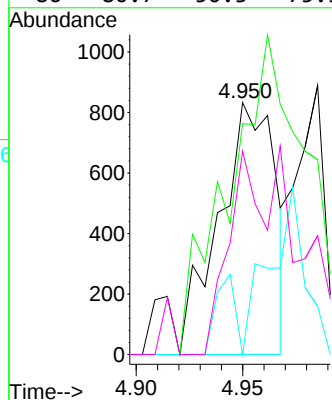


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.017 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

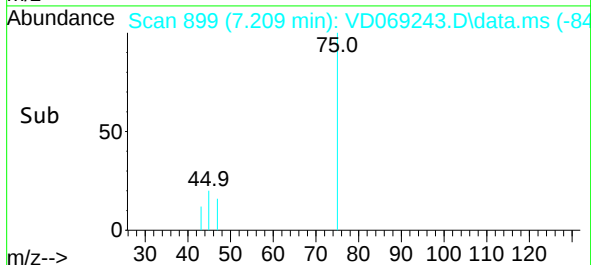
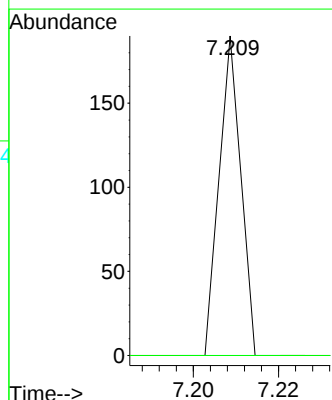
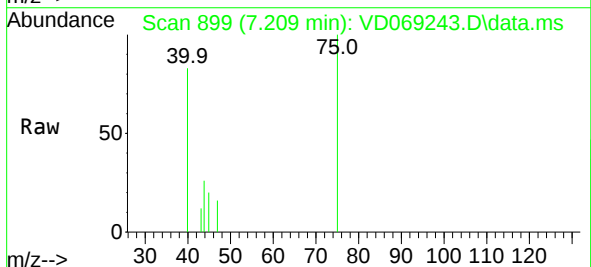


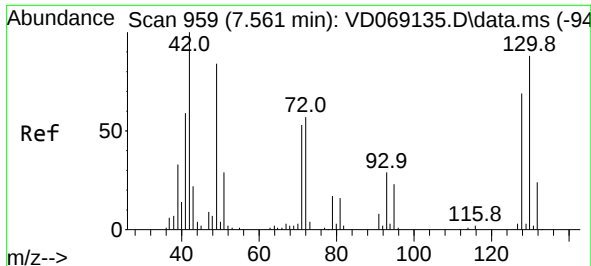
Tgt Ion: 84 Resp: 1528
Ion Ratio Lower Upper
84 100
49 91.6 78.6 117.8
51 0.0 26.7 40.1#
86 80.7 50.3 75.5#



#25
2-Butanone
Concen: 1.21 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#





#29

Tetrahydrofuran

Concen: 3.70 ug/l

RT: 7.479 min Scan# 945

Delta R.T. -0.082 min

Lab File: VD069243.D

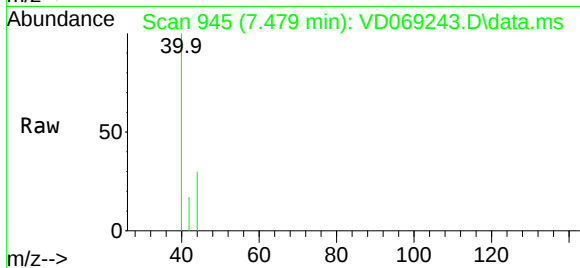
Acq: 21 May 2021 17:25

Instrument :

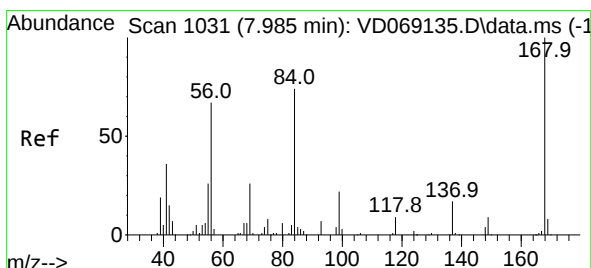
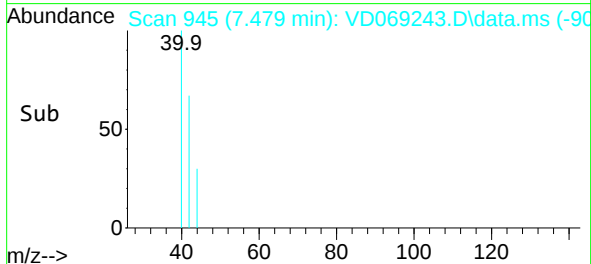
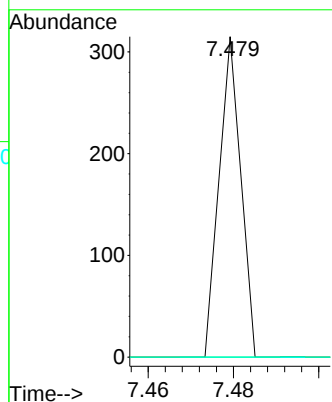
MSVOA_D

ClientSampleId :

TOP-SOIL-COMPOSITE-PILE-3



Tgt Ion:	42	Resp:	111
Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.9	68.9#
71	0.0	42.9	64.3#



#31

Cyclohexane

Concen: 1.65 ug/l

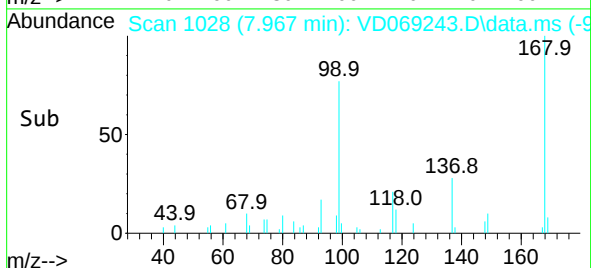
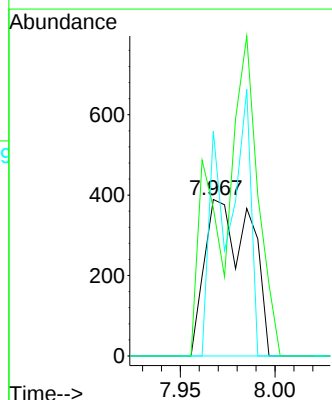
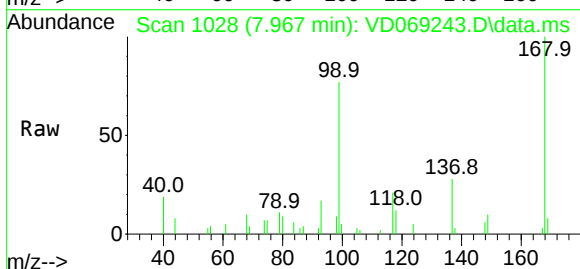
RT: 7.967 min Scan# 1028

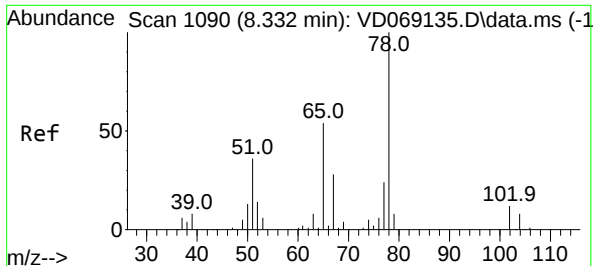
Delta R.T. -0.017 min

Lab File: VD069243.D

Acq: 21 May 2021 17:25

Tgt Ion:	56	Resp:	649
Ion	Ratio	Lower	Upper
56	100		
69	94.6	30.6	46.0#
84	143.7	88.0	132.0#

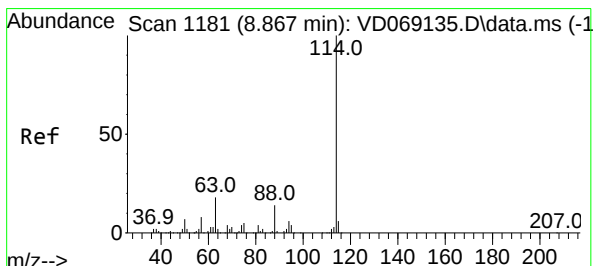
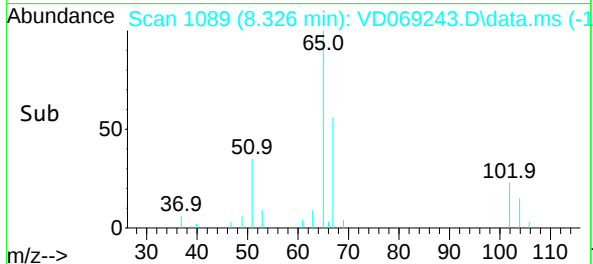
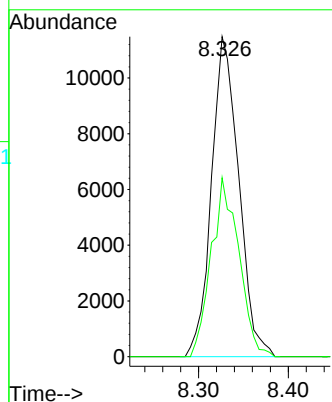
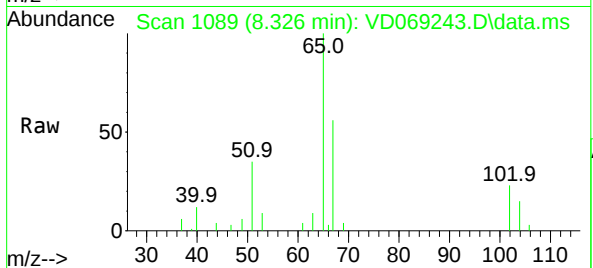




#33
1,2-Dichloroethane-d4
Concen: 91.00 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

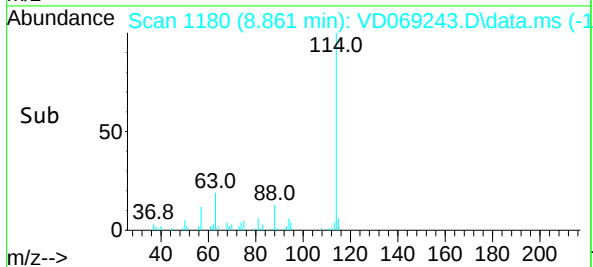
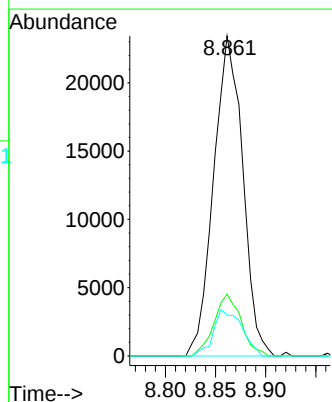
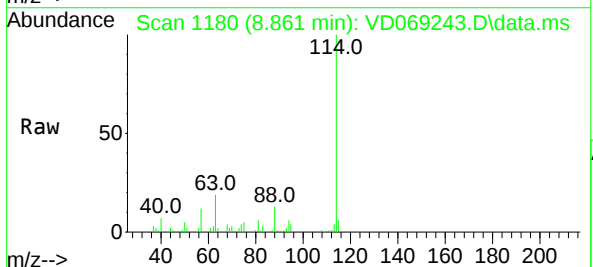
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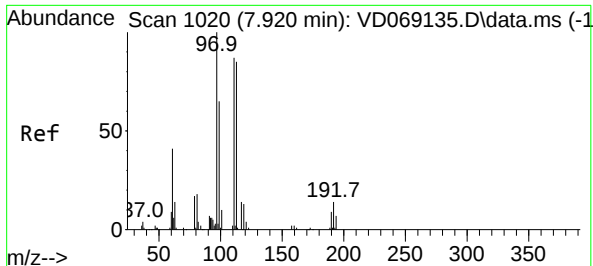
Tgt Ion: 65 Resp: 24219
Ion Ratio Lower Upper
65 100
67 56.9 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 114 Resp: 47244
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 12.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 70.86 ug/l

RT: 7.914 min Scan# 1019

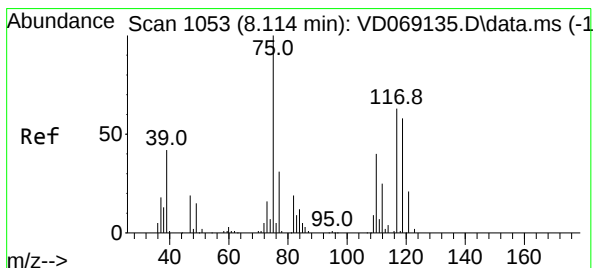
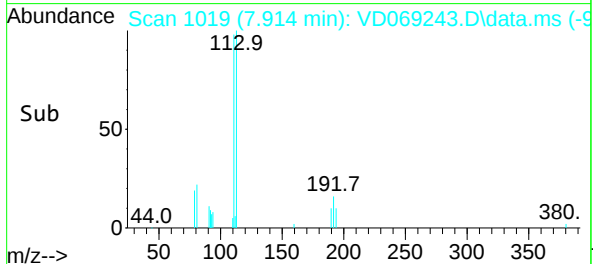
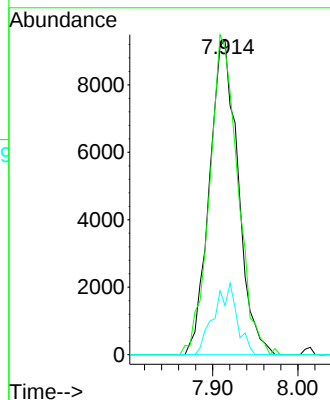
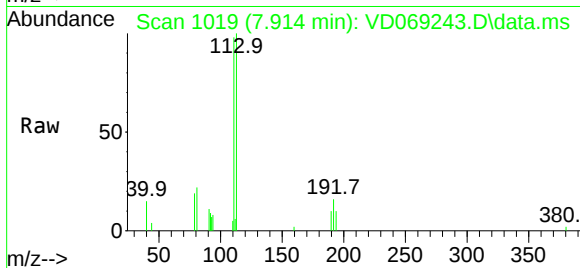
Delta R.T. -0.005 min

Lab File: VD069243.D

Acq: 21 May 2021 17:25

Tgt Ion:	113	Resp:	21787
Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.6	120.8
192	18.2	14.8	22.2

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3



#36

1,1-Dichloropropene

Concen: 5.35 ug/l

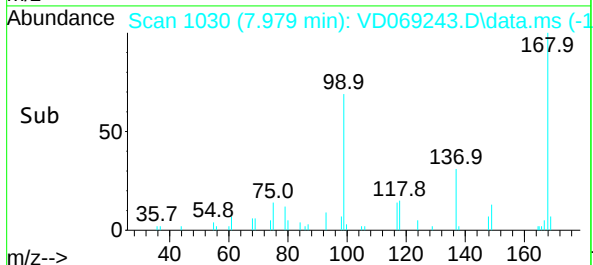
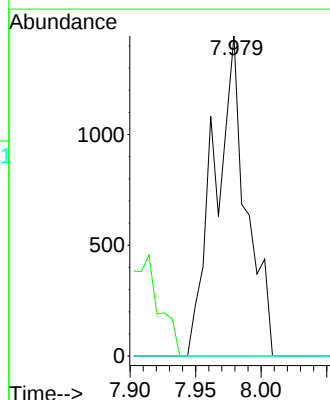
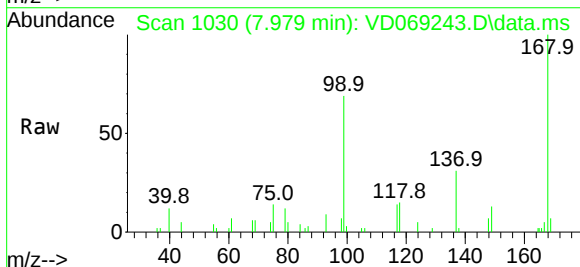
RT: 7.979 min Scan# 1030

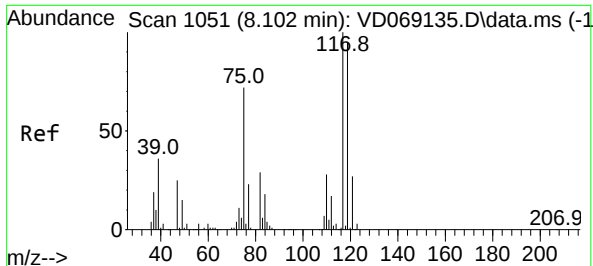
Delta R.T. -0.135 min

Lab File: VD069243.D

Acq: 21 May 2021 17:25

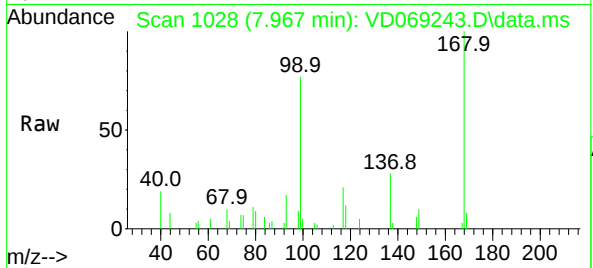
Tgt Ion:	75	Resp:	2455
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.8	56.4#
77	0.0	25.2	37.8#



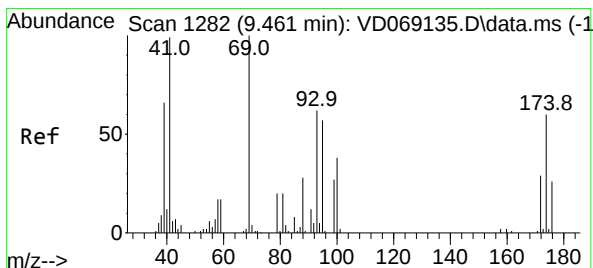
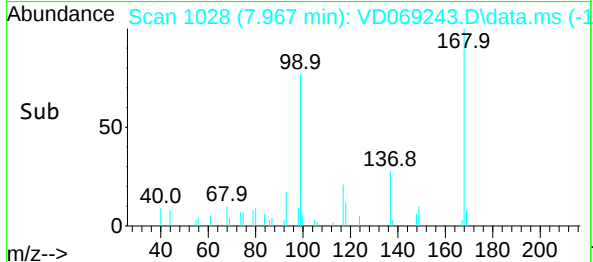
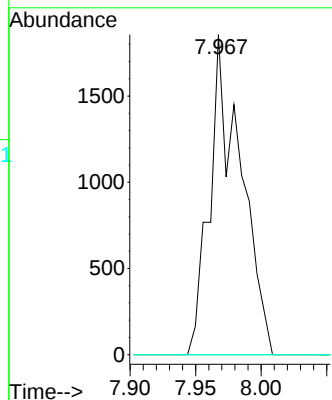


#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

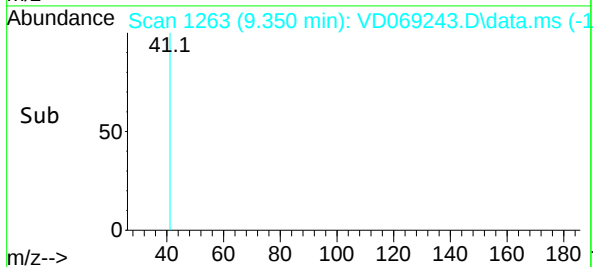
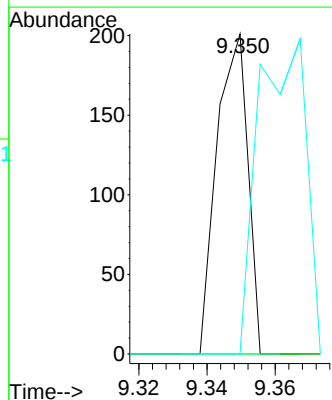
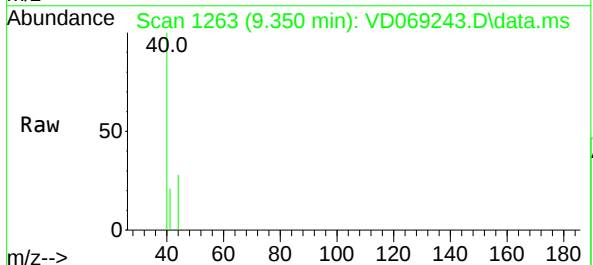


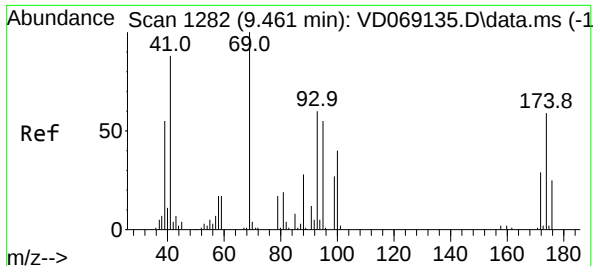
Tgt Ion: 117 Resp: 3061
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#



#48
Methyl methacrylate
Concen: 1.02 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.111 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
69 0.0 88.0 132.0#
39 152.4 51.4 77.0#

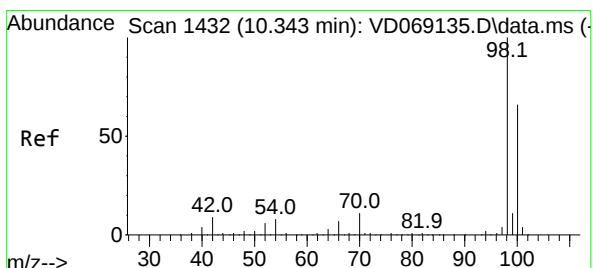
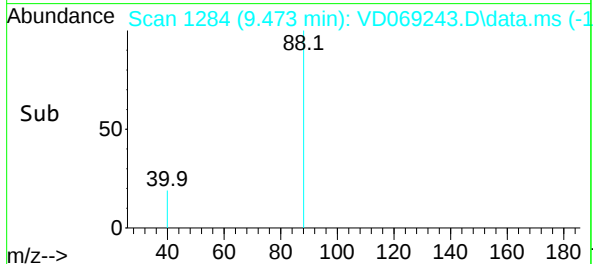
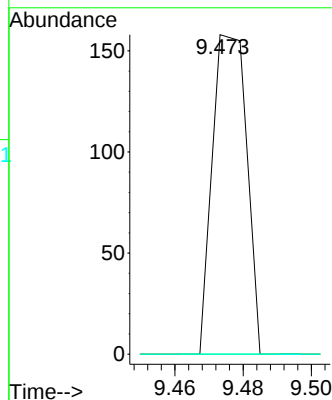
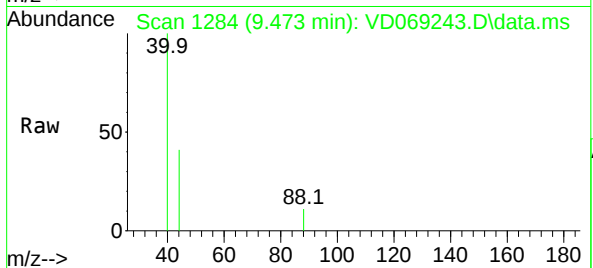




#49
1,4-Dioxane
Concen: 45.21 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.012 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

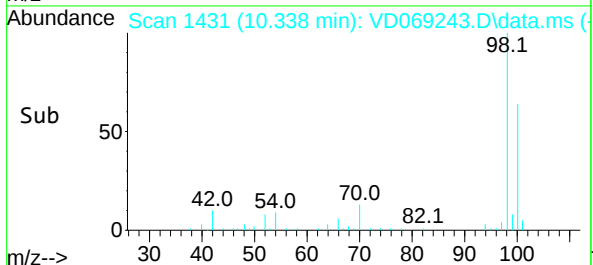
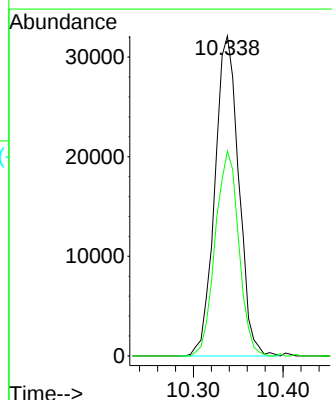
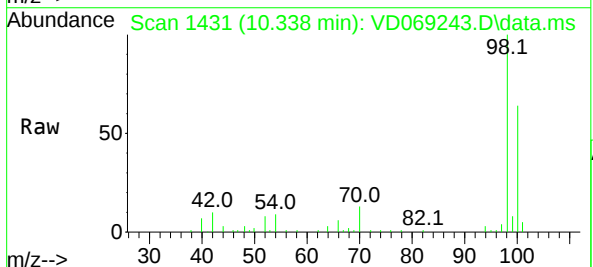
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

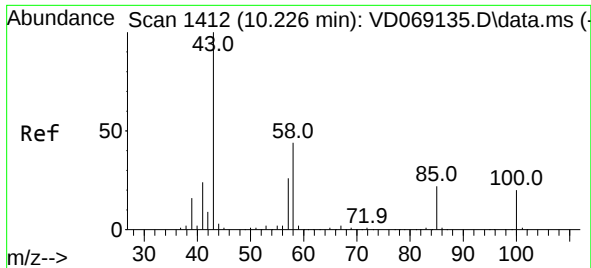
Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 45.8 68.6#



#50
Toluene-d8
Concen: 52.62 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 98 Resp: 59439
Ion Ratio Lower Upper
98 100
100 62.8 51.8 77.8

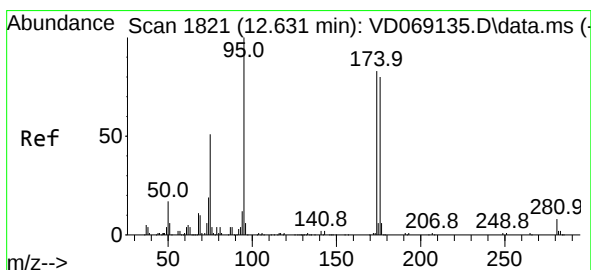
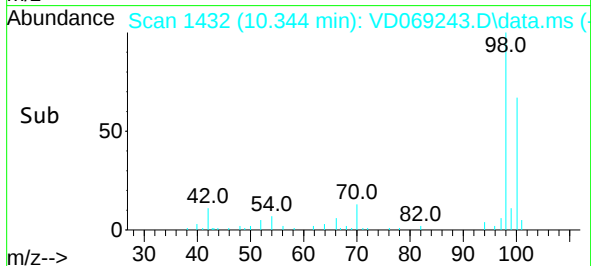
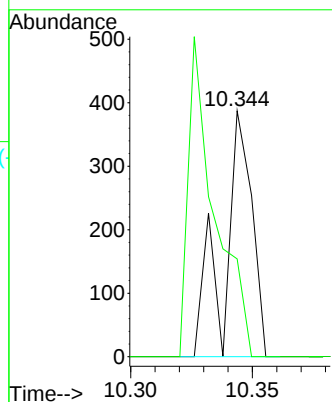
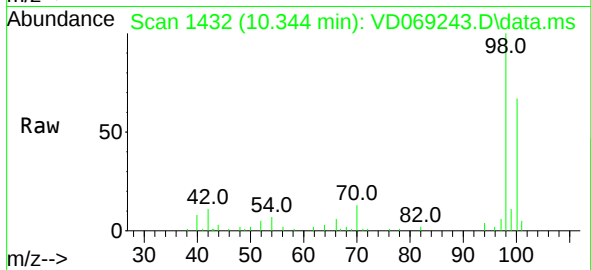




#51
4-Methyl-2-Pentanone
Concen: 2.22 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

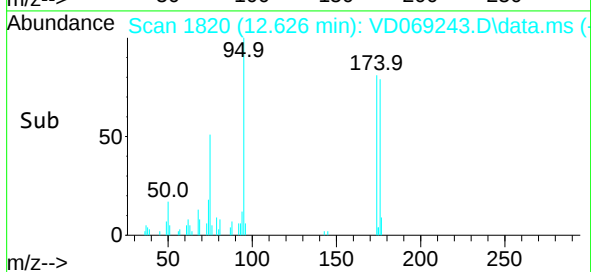
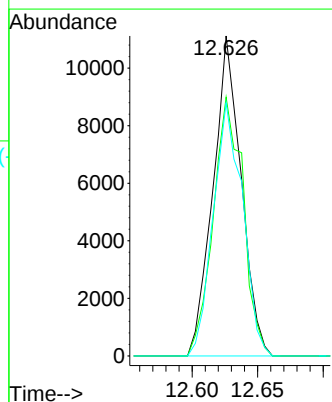
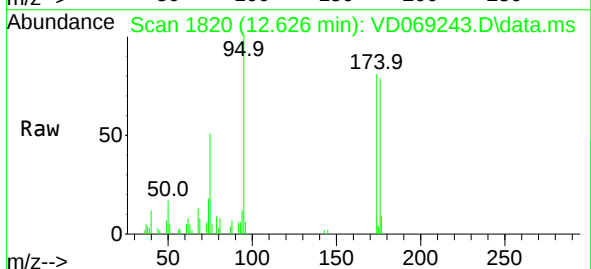
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

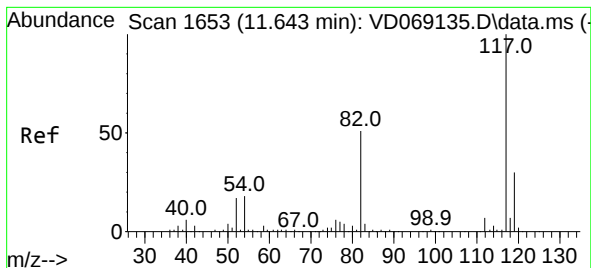
Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
58 124.5 35.0 52.4#



#62
4-Bromofluorobenzene
Concen: 45.58 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 95 Resp: 16567
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.8
176 82.6 0.0 165.4

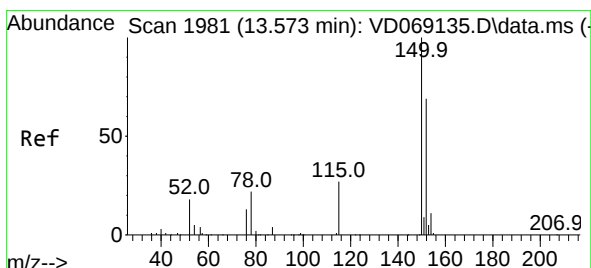
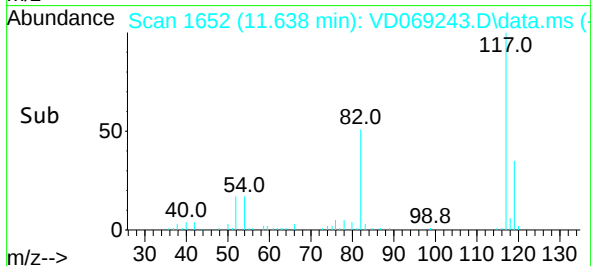
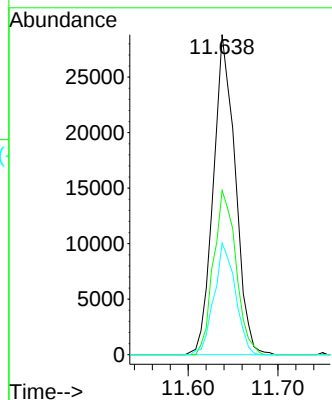
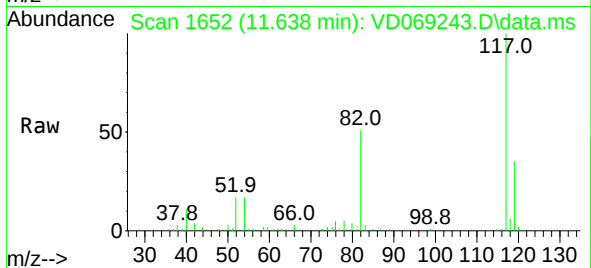




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

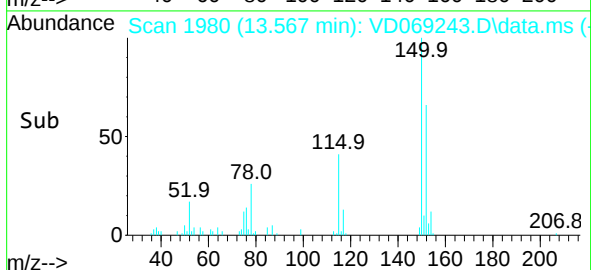
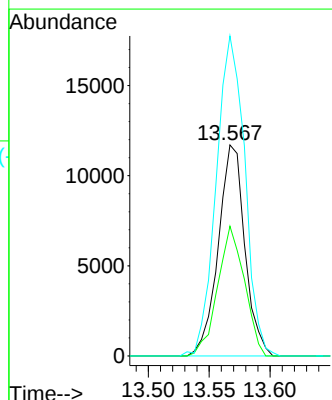
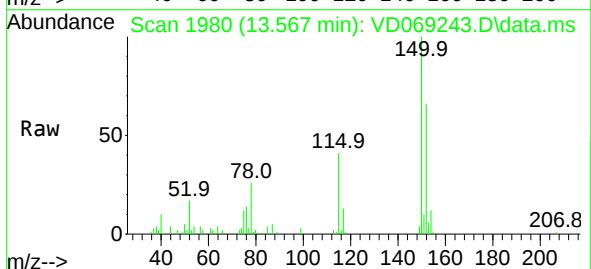
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

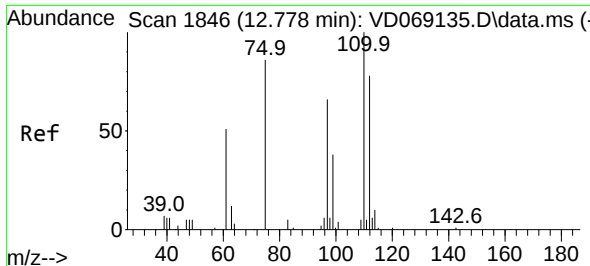
Tgt Ion:117 Resp: 49039
Ion Ratio Lower Upper
117 100
82 51.3 40.5 60.7
119 34.9 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion:152 Resp: 17812
Ion Ratio Lower Upper
152 100
115 61.7 29.9 89.8
150 163.0 0.0 350.2

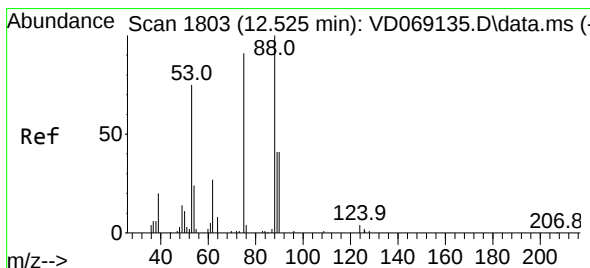
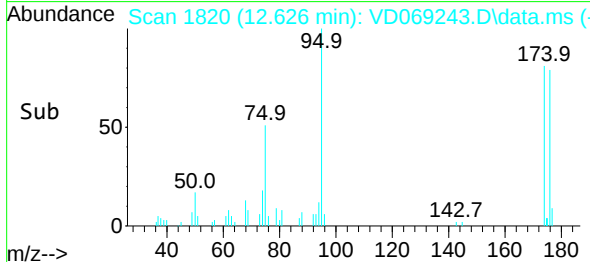
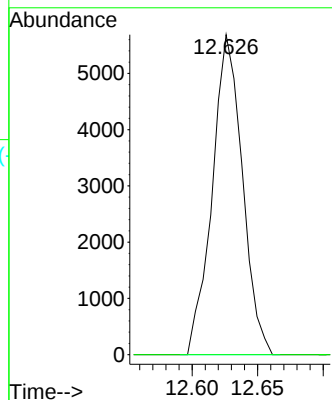
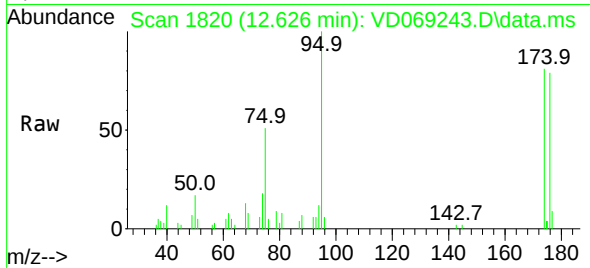




#76
1,2,3-Trichloropropane
Concen: 67.91 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.152 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

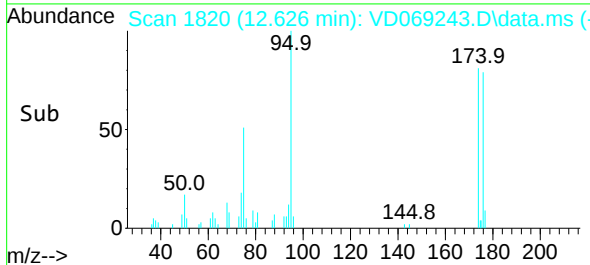
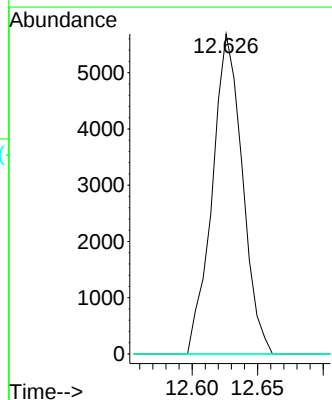
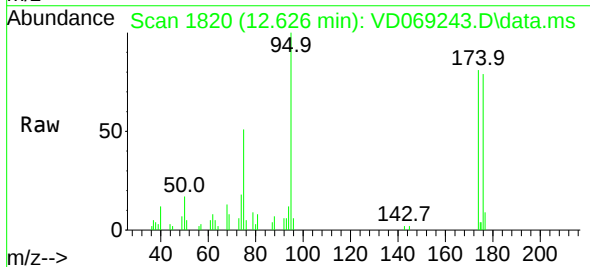
Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

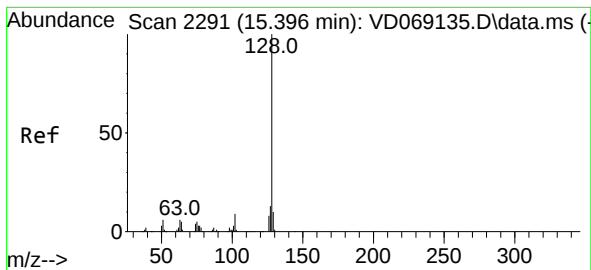
Tgt Ion: 75 Resp: 9093
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 137.18 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Tgt Ion: 75 Resp: 9093
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#





#95
Naphthalene
Concen: 2.16 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069243.D
Acq: 21 May 2021 17:25

Instrument :
MSVOA_D
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

Tgt Ion:128 Resp: 70
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

