

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070355.D
 Acq On : 14 Sep 2021 16:07
 Operator : VA/SY
 Sample : M3720-01
 Misc : 5.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WQ-SOILPILE

Quant Time: Sep 15 02:46:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

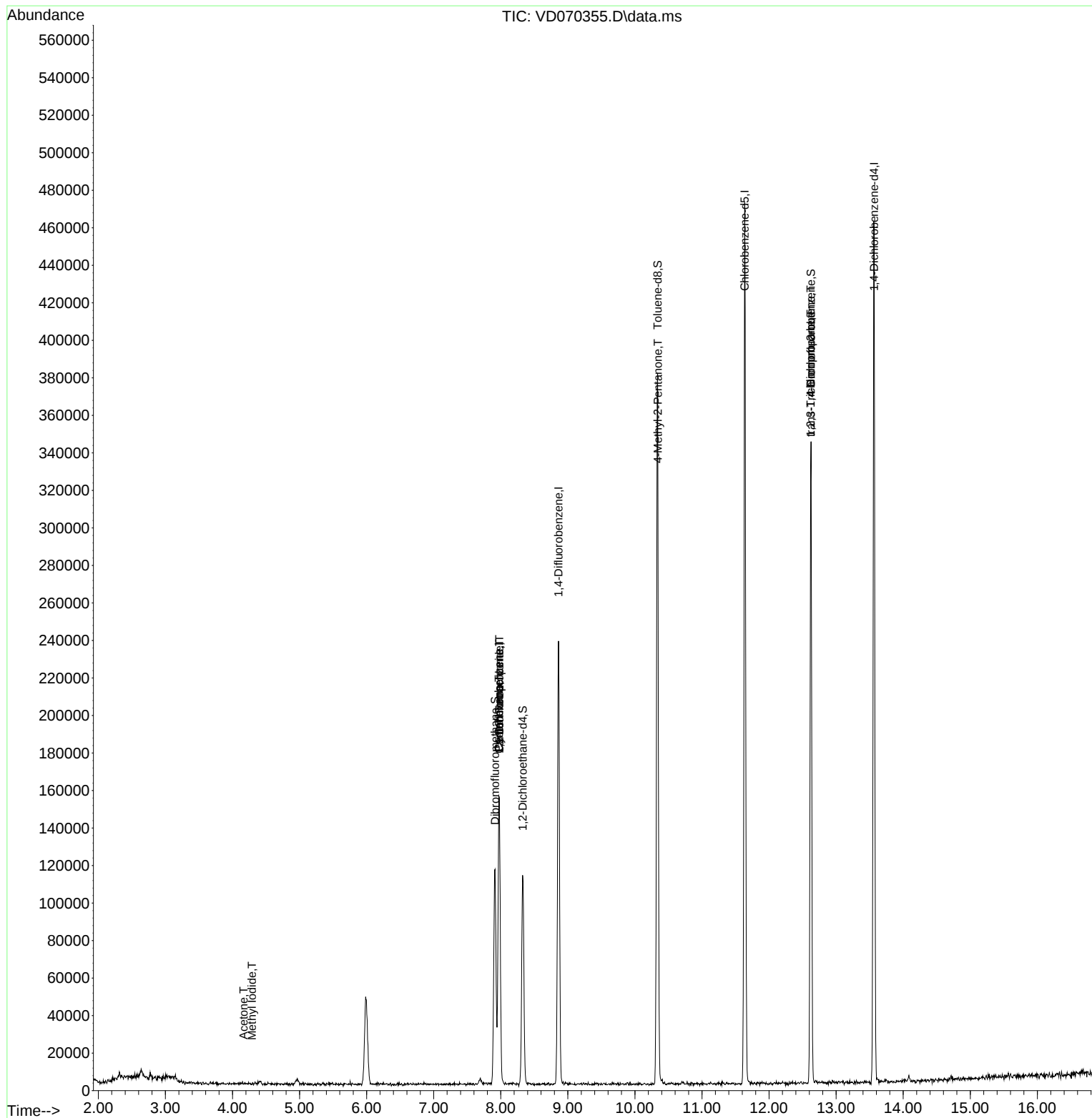
Internal Standards						
1) Pentafluorobenzene	7.973	168	110913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	200978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	269516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	125537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	90506	63.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.100%	
35) Dibromofluoromethane	7.914	113	87051	60.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.700%	
50) Toluene-d8	10.338	98	269702	51.924	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.626	95	116493	64.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 128.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	57	Below Cal	#	43
3) Chloromethane	2.209	50	489	Below Cal		89
5) Bromomethane	2.779	94	1322	Below Cal	#	78
6) Chloroethane	3.114	64	64	Below Cal	#	1
10) Methyl Iodide	4.291	142	58	1.070	ug/l #	38
16) Acetone	4.167	43	579	2.277	ug/l #	36
20) Methylene Chloride	4.967	84	2381	Below Cal	#	94
31) Cyclohexane	7.973	56	2538	1.035	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	10025	4.667	ug/l #	50
38) Carbon Tetrachloride	7.979	117	12993	6.116	ug/l #	15
51) 4-Methyl-2-Pentanone	10.343	43	1328	1.728	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	56590	44.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	56590	111.662	ug/l #	17

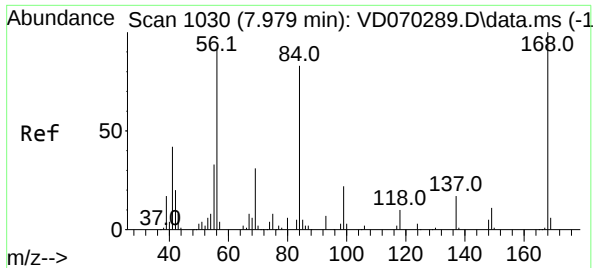
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

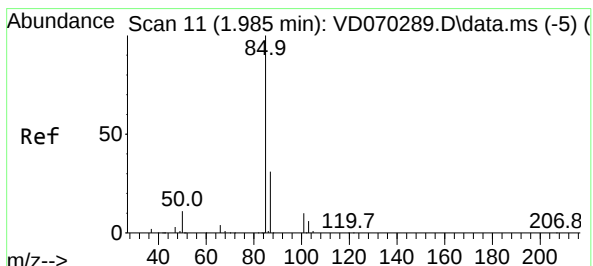
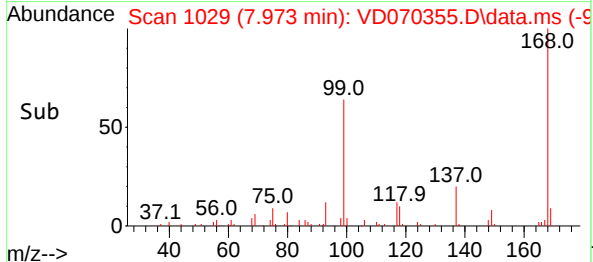
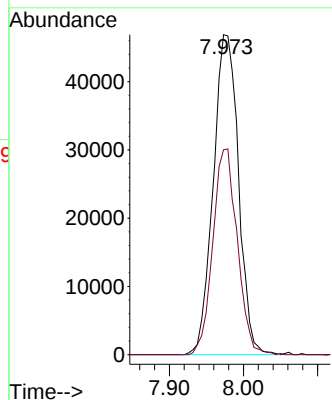
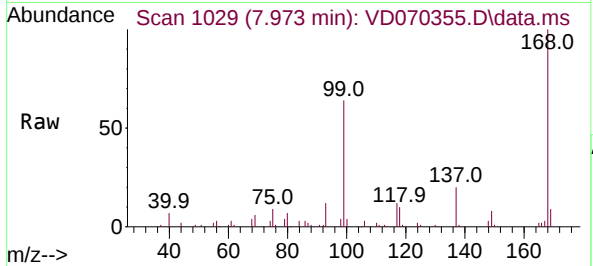




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

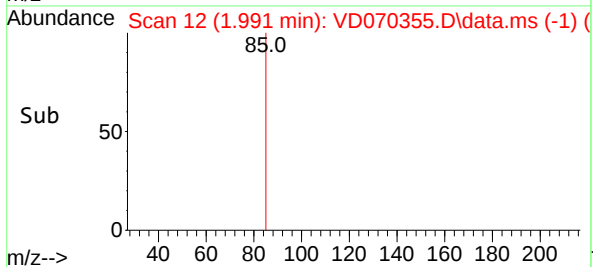
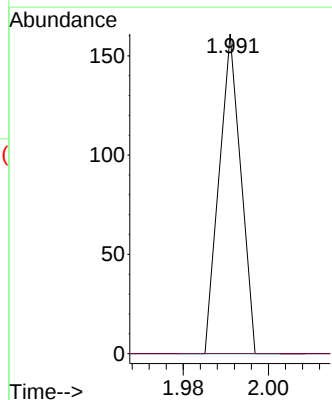
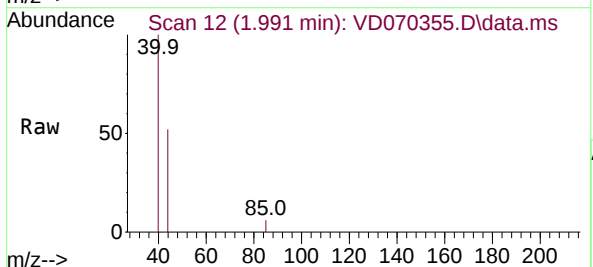
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

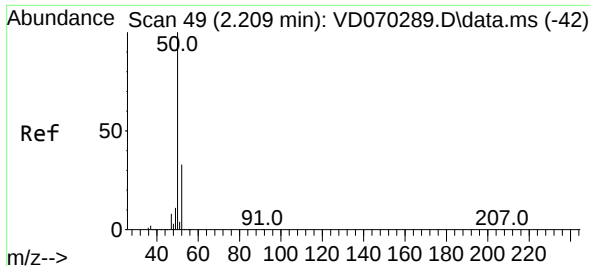
Tgt Ion:168 Resp: 110913
Ion Ratio Lower Upper
168 100
99 64.1 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 85 Resp: 57
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

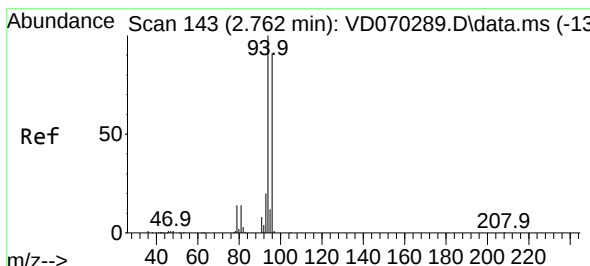
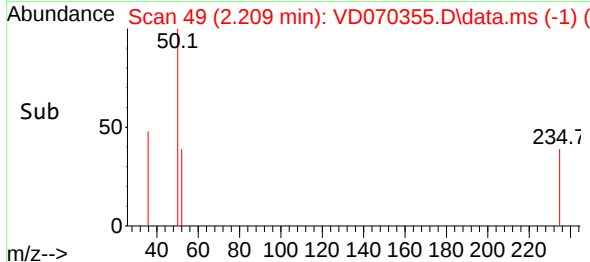
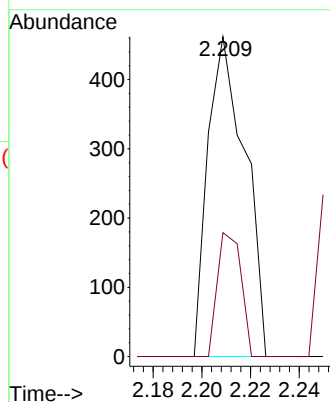
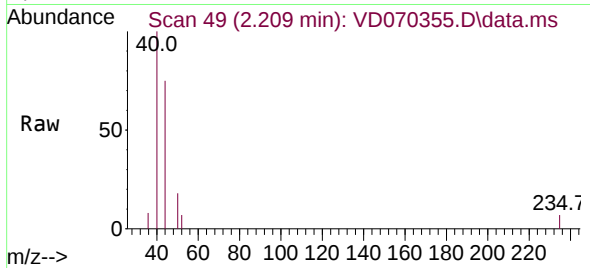




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

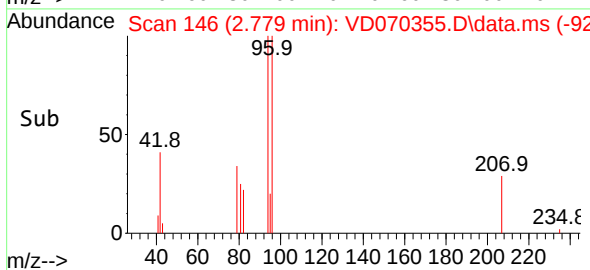
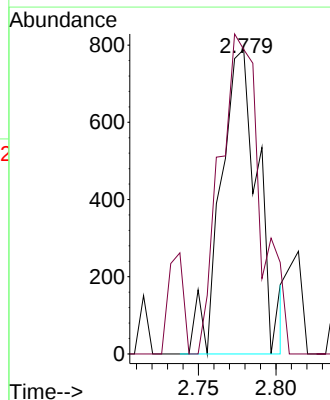
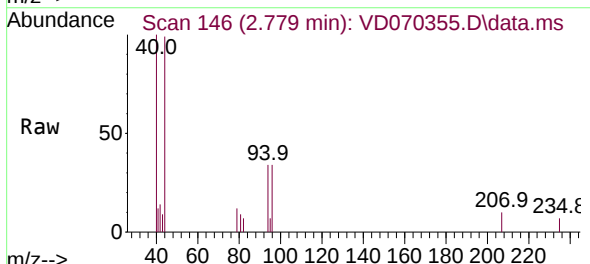
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

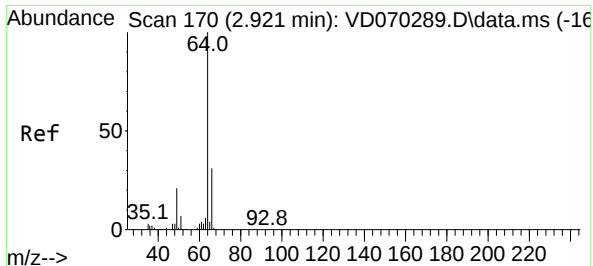
Tgt Ion: 50 Resp: 489
Ion Ratio Lower Upper
50 100
52 38.7 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 94 Resp: 1322
Ion Ratio Lower Upper
94 100
96 70.0 73.0 109.6#

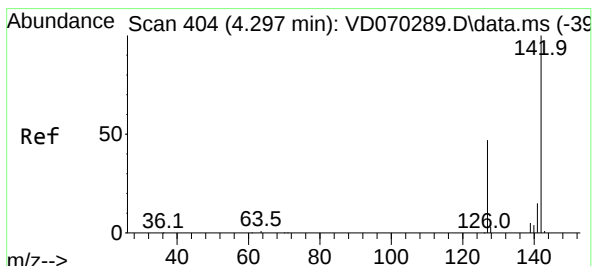
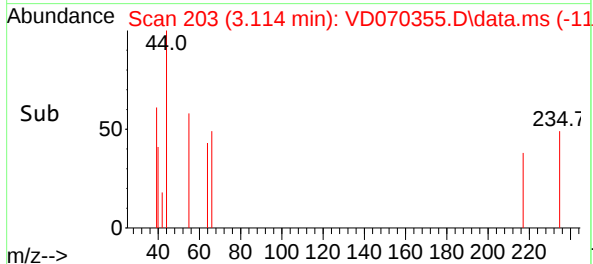
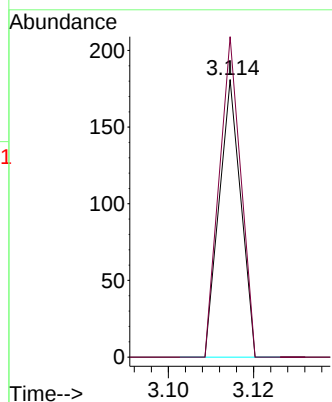
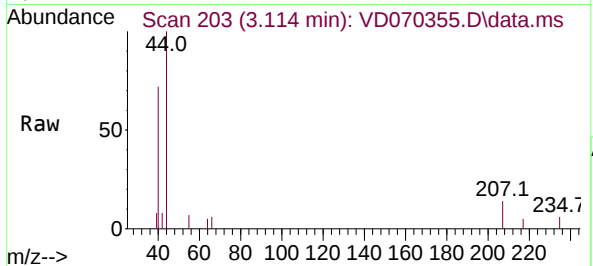




#6
Chloroethane
Concen: Below Cal
RT: 3.114 min Scan# 203
Delta R.T. 0.193 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

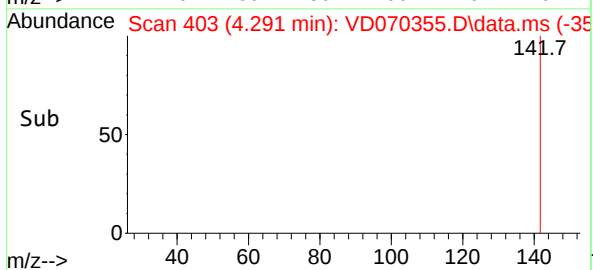
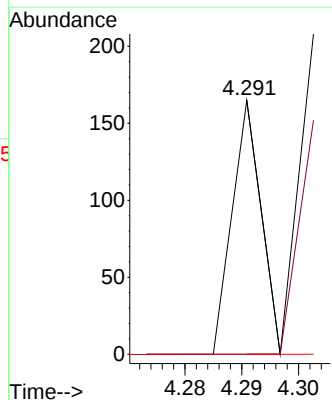
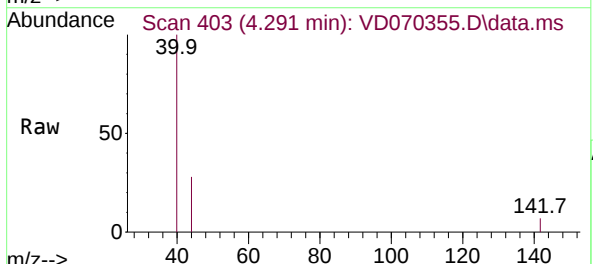
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

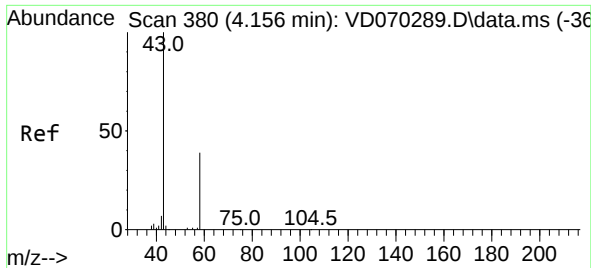
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 115.5 25.0 37.4#



#10
Methyl Iodide
Concen: 1.070 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 142 Resp: 58
Ion Ratio Lower Upper
142 100
127 93.1 36.9 55.3#
141 0.0 11.8 17.6#

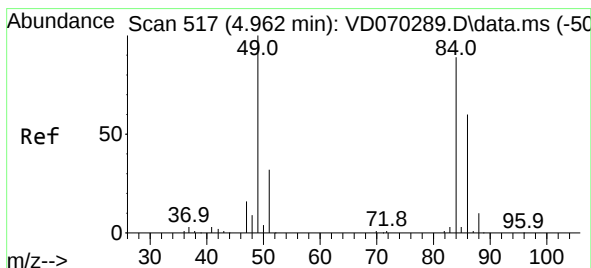
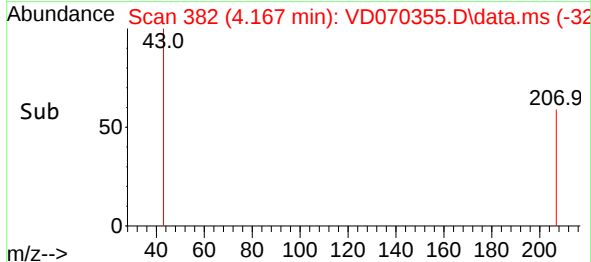
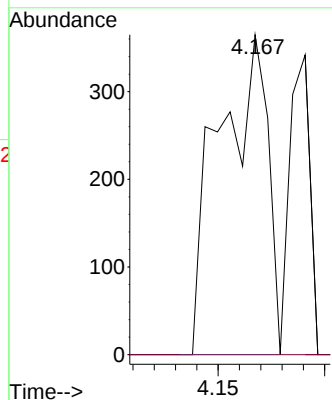
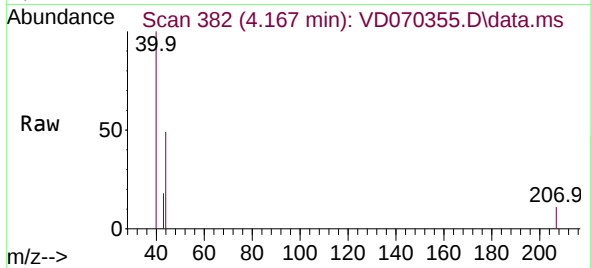




#16
Acetone
Concen: 2.277 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

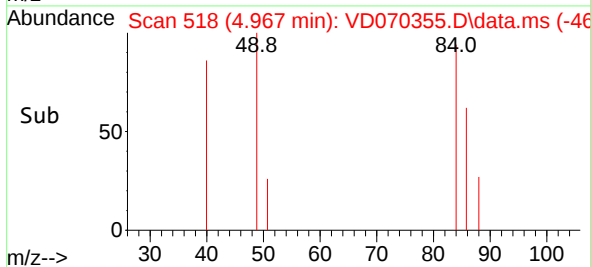
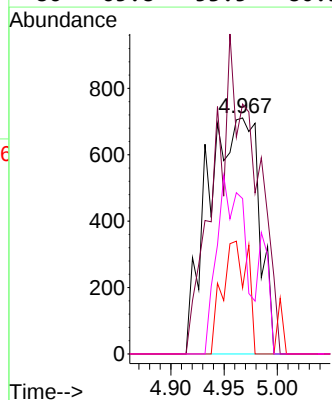
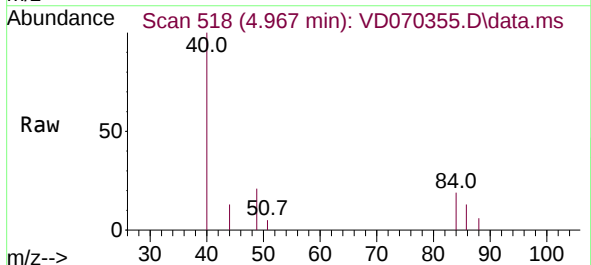
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

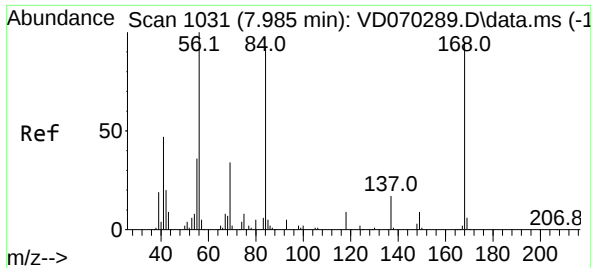
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 84 Resp: 2381
Ion Ratio Lower Upper
84 100
49 105.9 89.6 134.4
51 28.0 28.6 43.0#
86 65.8 53.5 80.3

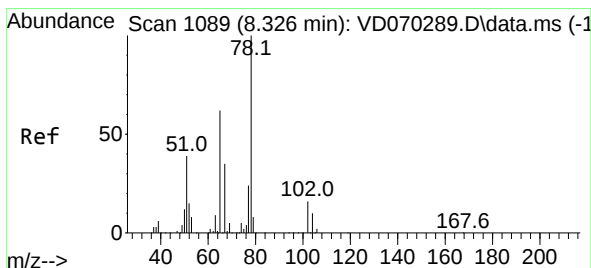
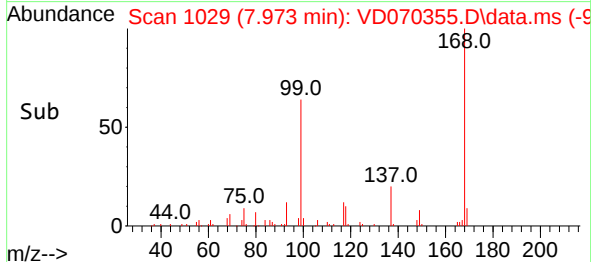
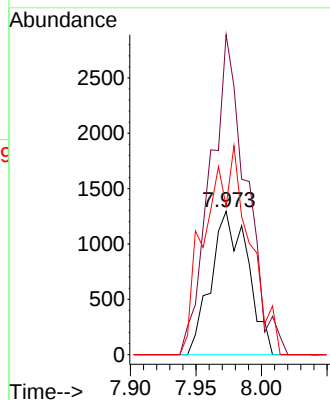
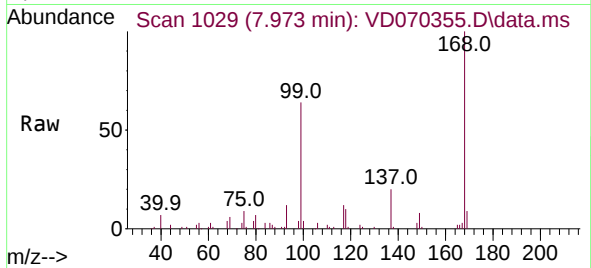




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

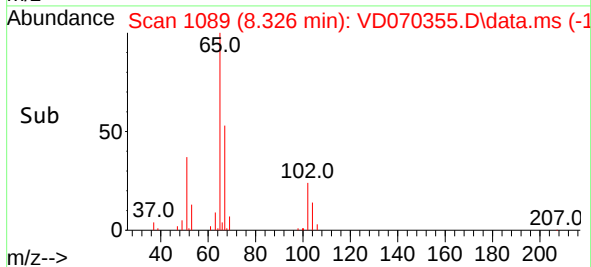
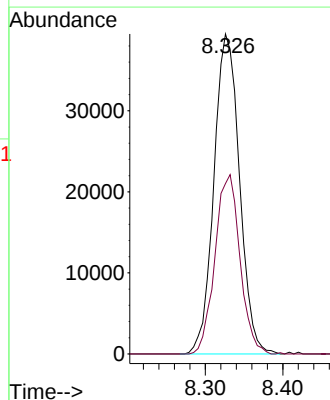
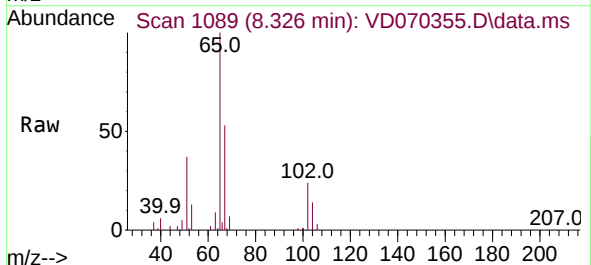
Instrument :
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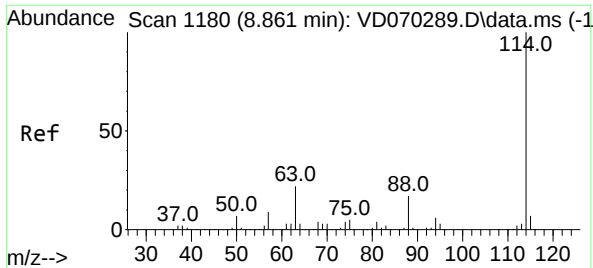
Tgt Ion: 56 Resp: 2538
Ion Ratio Lower Upper
56 100
69 223.3 26.9 40.3#
84 103.6 73.6 110.4



#33
1,2-Dichloroethane-d4
Concen: 63.551 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 65 Resp: 90506
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.4

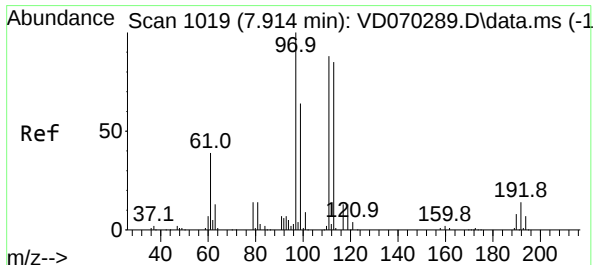
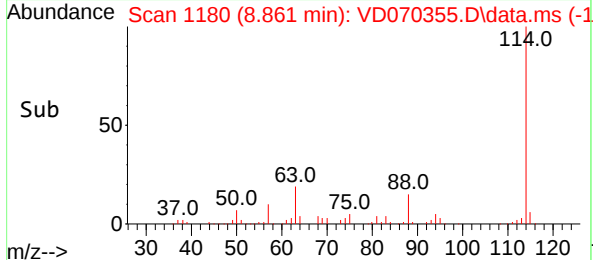
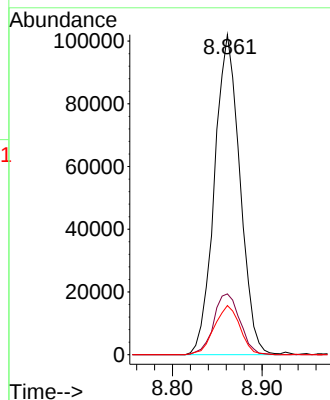
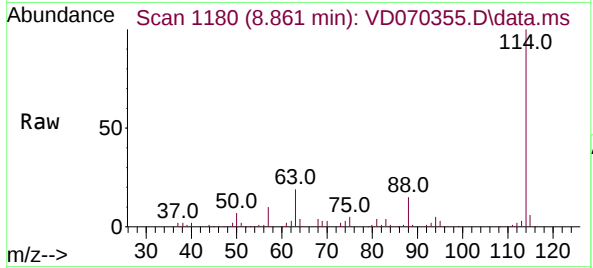




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

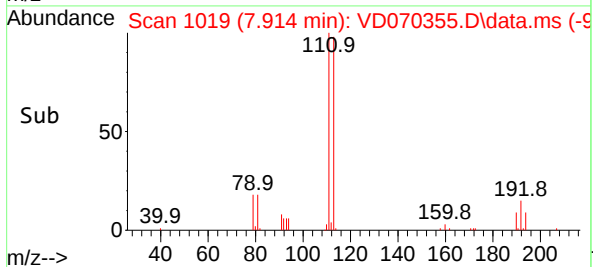
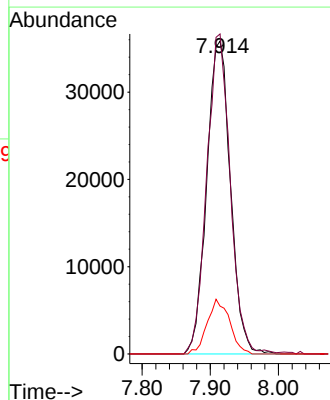
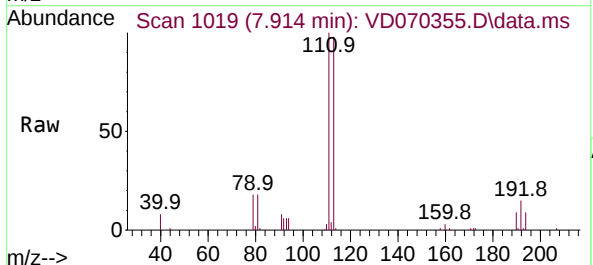
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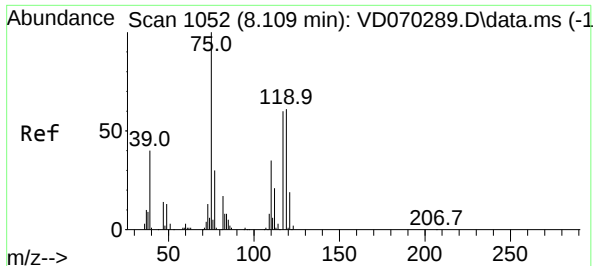
Tgt Ion:	114	Resp:	200978
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	43.4
88	15.3	0.0	33.4



#35
Dibromofluoromethane
Concen: 60.850 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion:	113	Resp:	87051
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.4	122.2
192	16.6	13.0	19.6

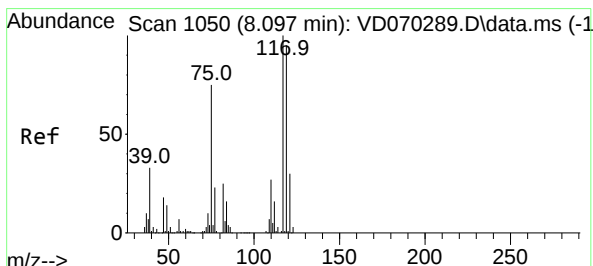
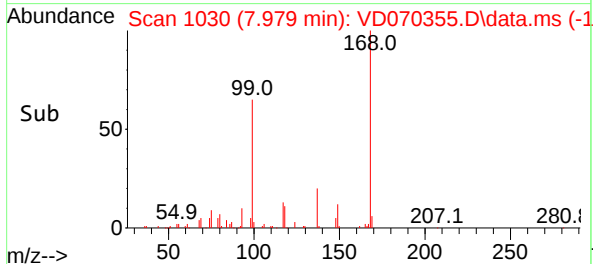
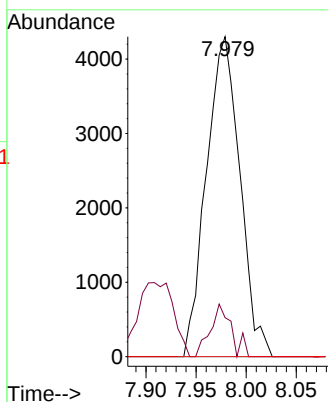
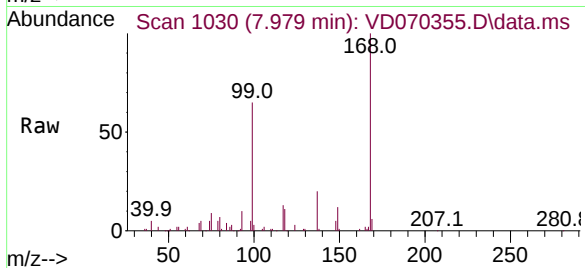




#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

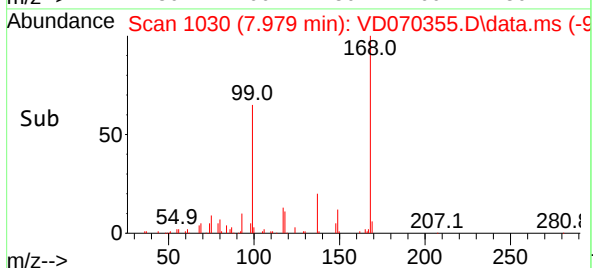
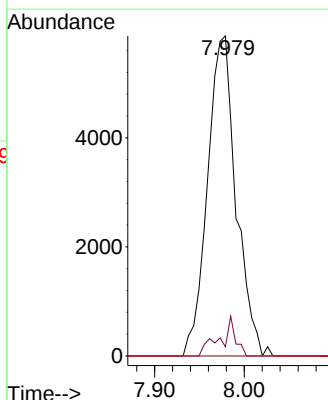
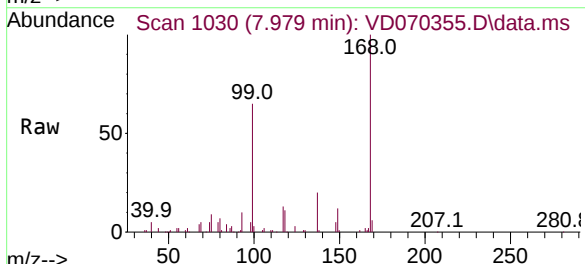
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

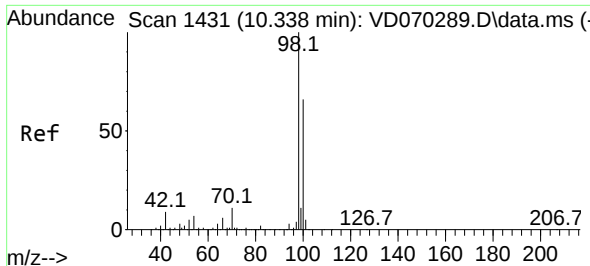
Tgt Ion: 75 Resp: 10025
Ion Ratio Lower Upper
75 100
110 10.3 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 117 Resp: 12993
Ion Ratio Lower Upper
117 100
119 2.8 76.1 114.1#
121 0.0 23.8 35.6#

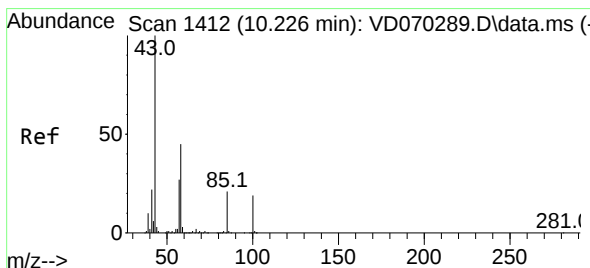
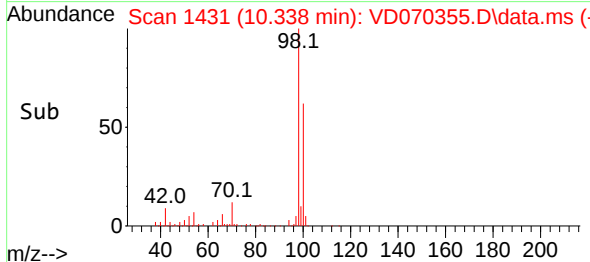
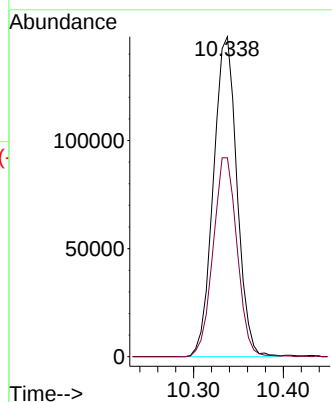
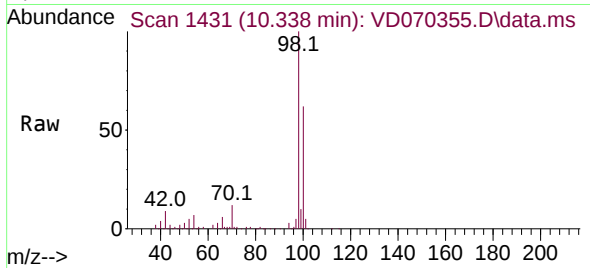




#50
Toluene-d8
Concen: 51.924 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

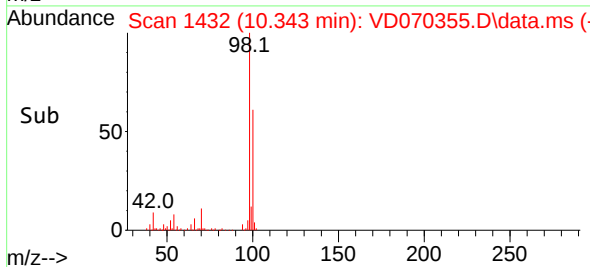
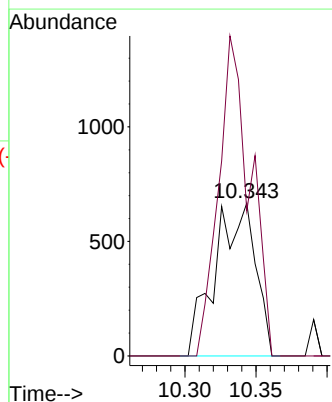
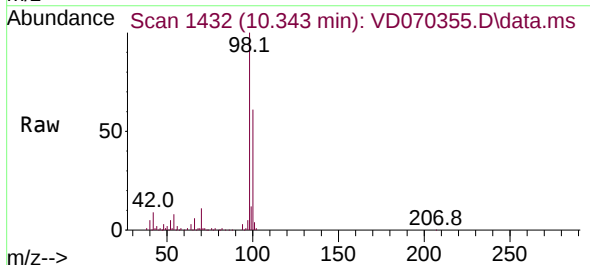
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

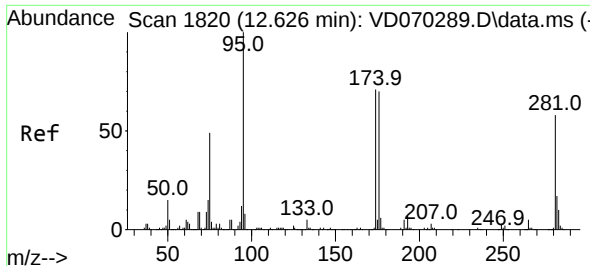
Tgt Ion: 98 Resp: 269702
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.728 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.117 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
58 163.2 35.4 53.2#

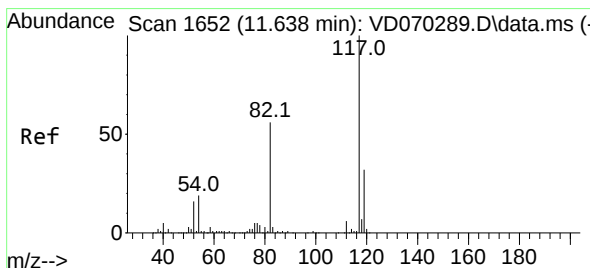
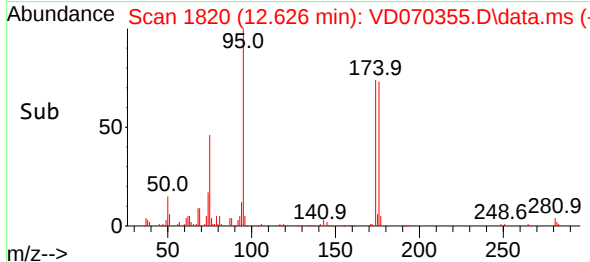
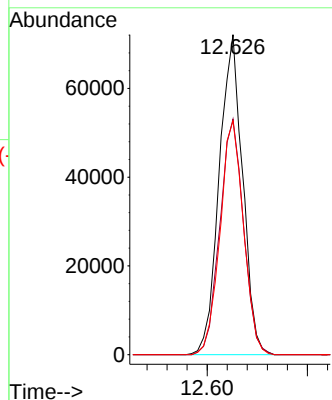
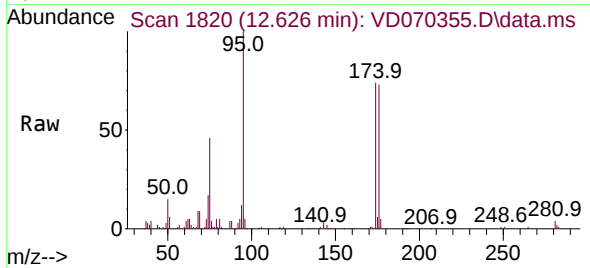




#62
4-Bromofluorobenzene
Concen: 64.174 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

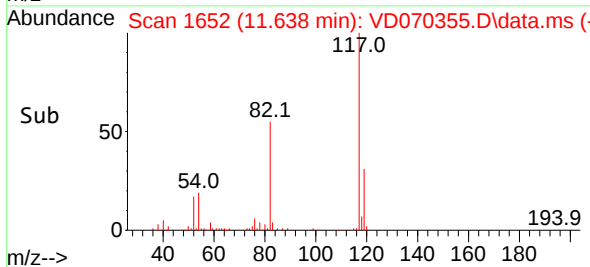
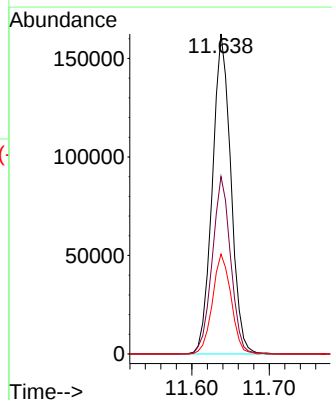
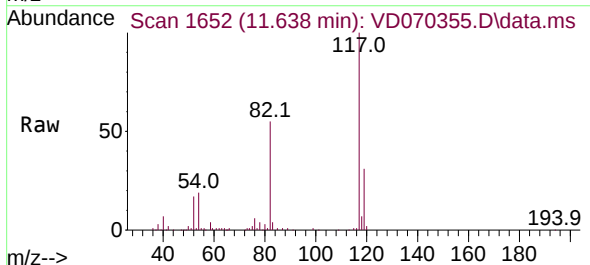
Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE

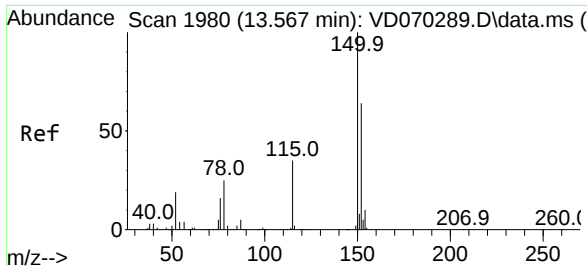
Tgt Ion: 95 Resp: 116493
Ion Ratio Lower Upper
95 100
174 74.7 0.0 140.6
176 73.3 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Tgt Ion: 117 Resp: 269516
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 31.2 25.2 37.8

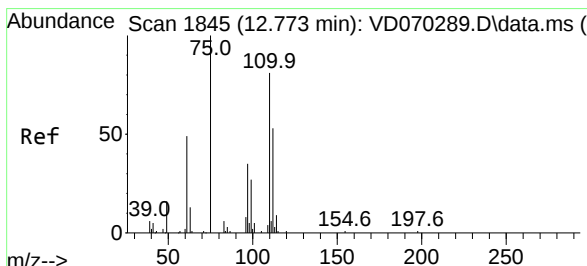
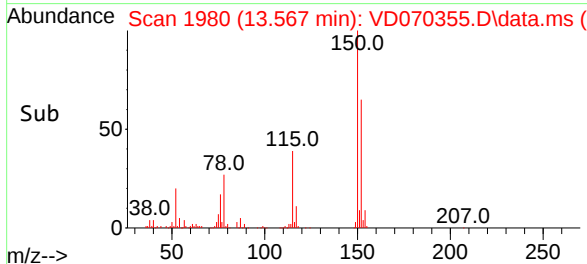
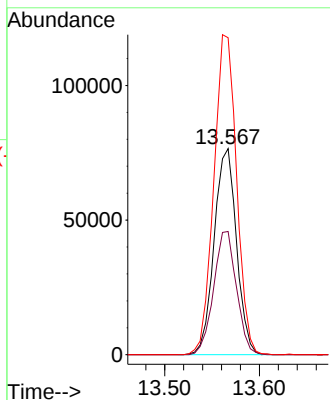
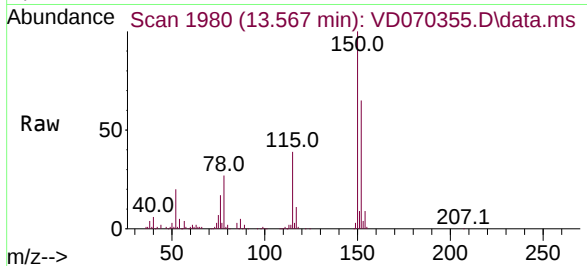




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070355.D
 Acq: 14 Sep 2021 16:07

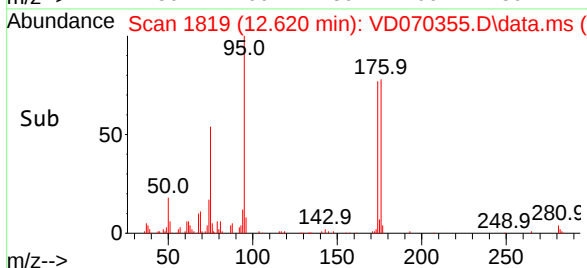
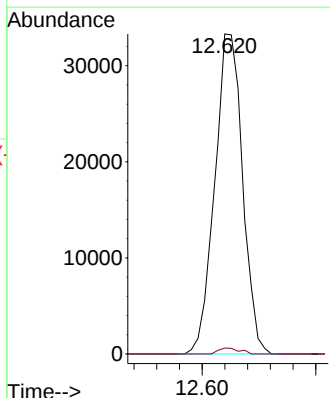
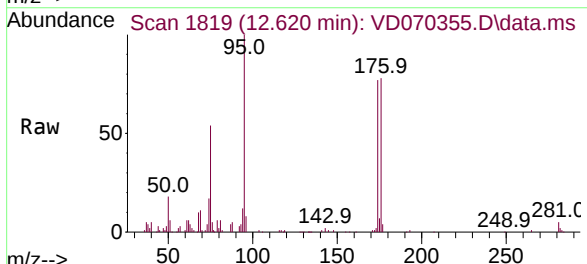
Instrument :
 MSVOA_D
 ClientSampleId :
 WQ-SOILPILE

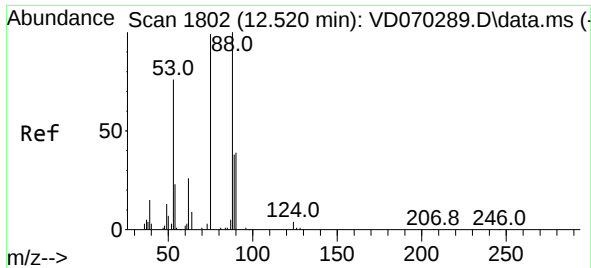
Tgt Ion:152 Resp: 125537
 Ion Ratio Lower Upper
 152 100
 115 61.0 32.1 96.3
 150 158.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 44.565 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070355.D
 Acq: 14 Sep 2021 16:07

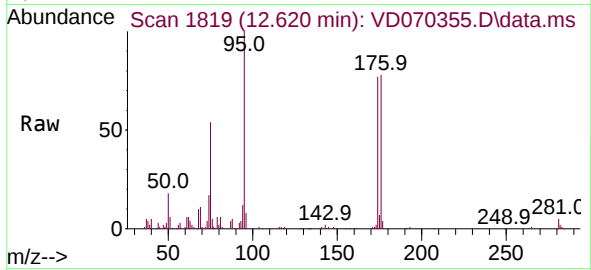
Tgt Ion: 75 Resp: 56590
 Ion Ratio Lower Upper
 75 100
 77 1.4 174.9 524.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 111.662 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070355.D
Acq: 14 Sep 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :
WQ-SOILPILE



Tgt Ion:	75	Resp:	56590
Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.2	96.2#
89	0.0	35.6	53.4#

