

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012022\
 Data File : VD071762.D
 Acq On : 20 Jan 2022 14:34
 Operator : VA/SY
 Sample : N1189-29RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MTR-SOIL-15RE

Quant Time: Jan 21 03:16:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

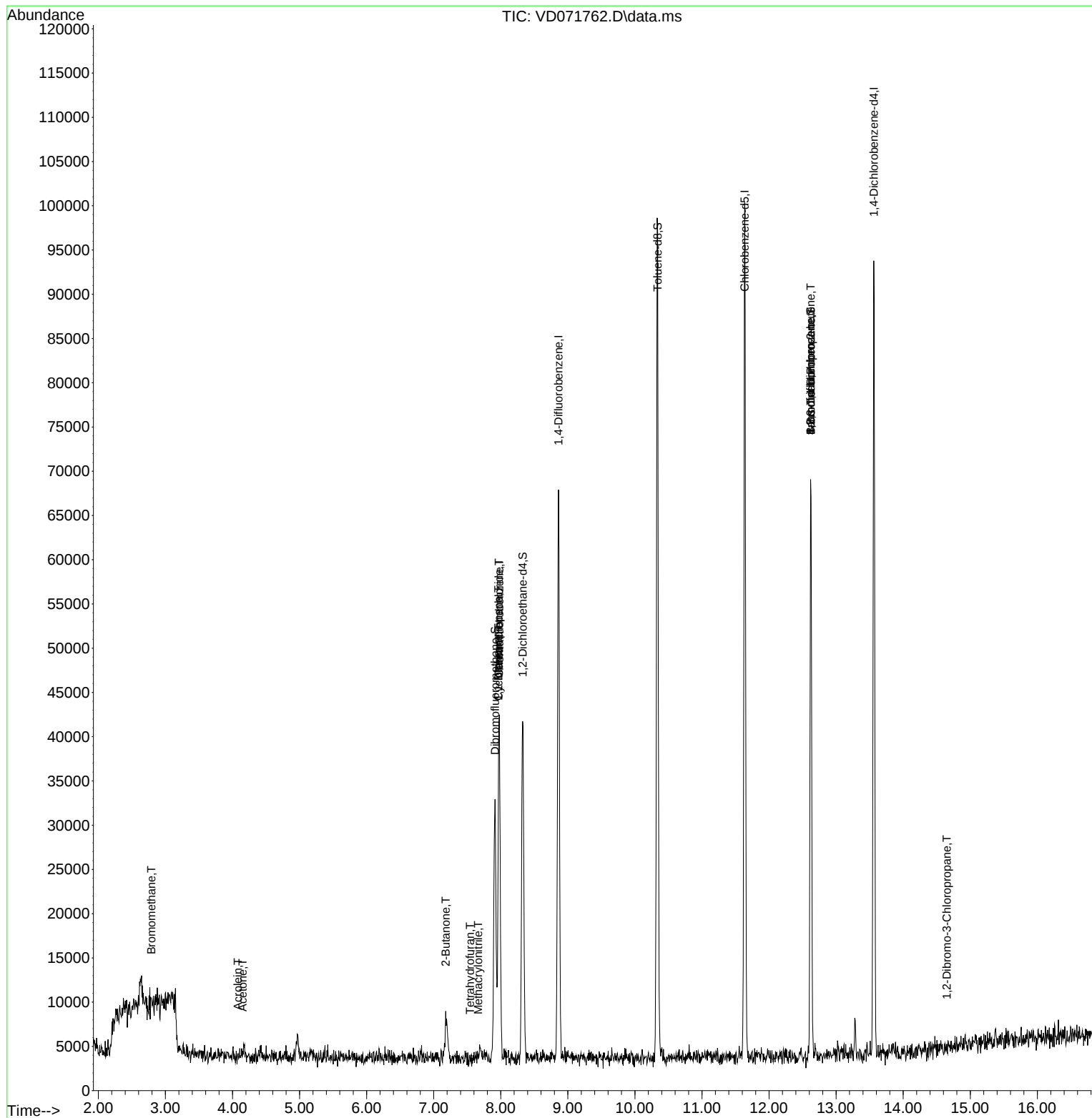
Internal Standards						
1) Pentafluorobenzene	7.979	168	25144	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	46469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	48981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	21837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	32088	99.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.360%#	
35) Dibromofluoromethane	7.914	113	20314	66.147	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.300%	
50) Toluene-d8	10.338	98	59446	51.711	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.620	95	20553	50.738	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	173	Below Cal	#	43
5) Bromomethane	2.791	94	690	2.645	ug/l #	58
11) Tert butyl alcohol	5.214	59	229	Below Cal	#	75
13) Acrolein	4.079	56	54	1.710	ug/l #	14
16) Acetone	4.150	43	804	10.764	ug/l #	49
18) Methyl Acetate	4.697	43	70	Below Cal	#	56
20) Methylene Chloride	4.979	84	492	Below Cal	#	50
25) 2-Butanone	7.179	43	161	1.824	ug/l #	56
29) Tetrahydrofuran	7.544	42	79	1.556	ug/l #	39
31) Cyclohexane	7.967	56	583	1.614	ug/l #	8
36) 1,1-Dichloropropene	7.967	75	2867	6.545	ug/l #	50
38) Carbon Tetrachloride	7.973	117	3063	6.904	ug/l #	14
41) Methacrylonitrile	7.661	41	65	1.637	ug/l #	15
71) Bromoform	12.620	173	264	1.521	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	11460	54.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	11460	151.413	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.649	75	66	1.477	ug/l #	9

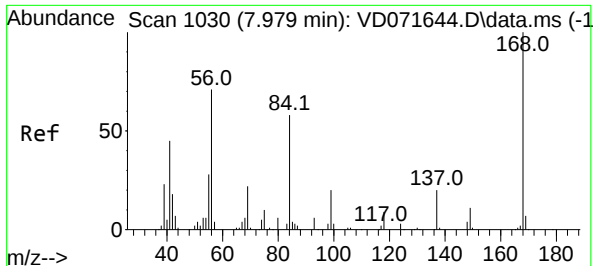
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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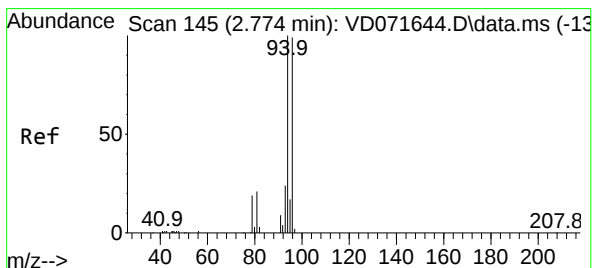
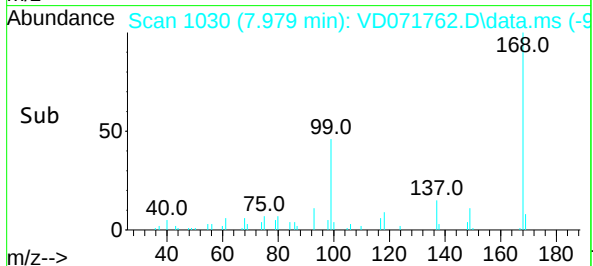
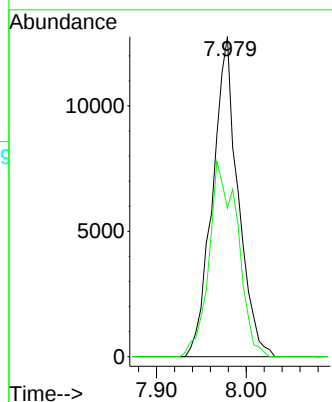
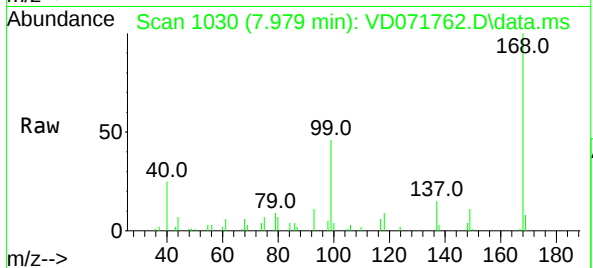




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

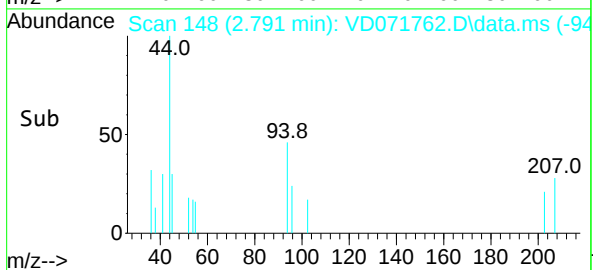
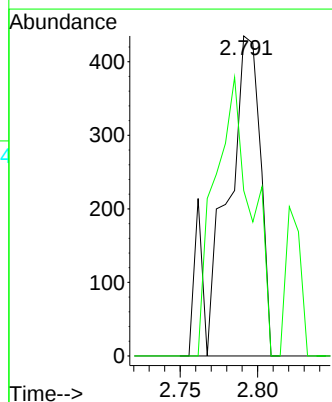
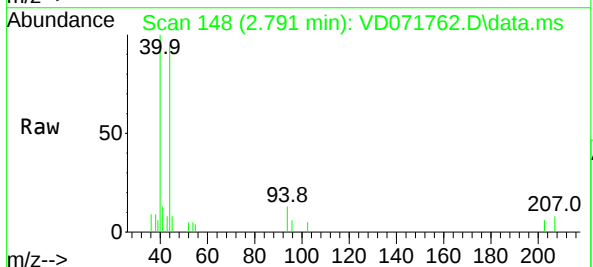
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

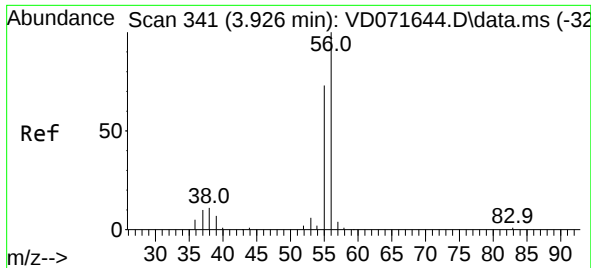
Tgt Ion:168 Resp: 25144
Ion Ratio Lower Upper
168 100
99 46.4 51.8 77.6#



#5
Bromomethane
Concen: 2.645 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion: 94 Resp: 690
Ion Ratio Lower Upper
94 100
96 51.7 73.7 110.5#

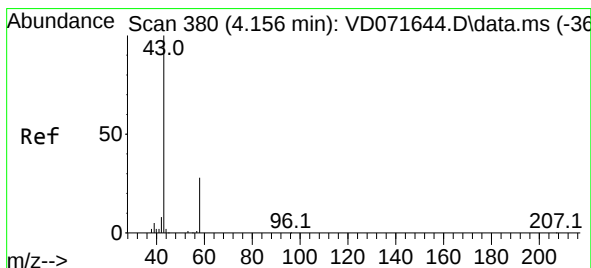
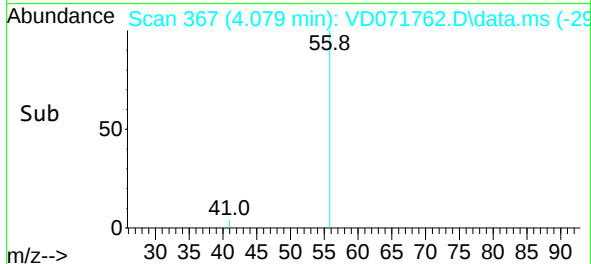
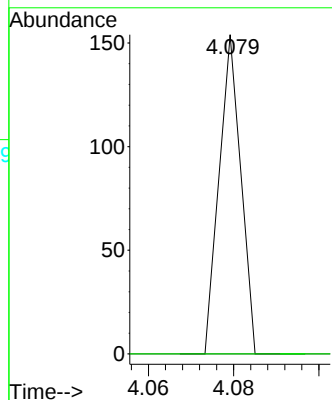
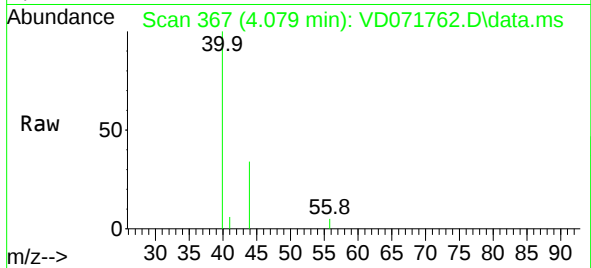




#13
Acrolein
Concen: 1.710 ug/l
RT: 4.079 min Scan# 30
Delta R.T. 0.153 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

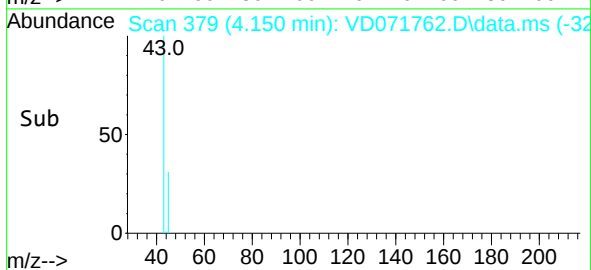
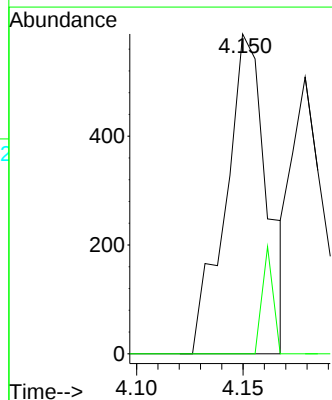
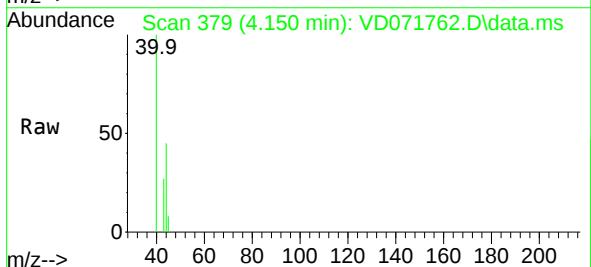
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

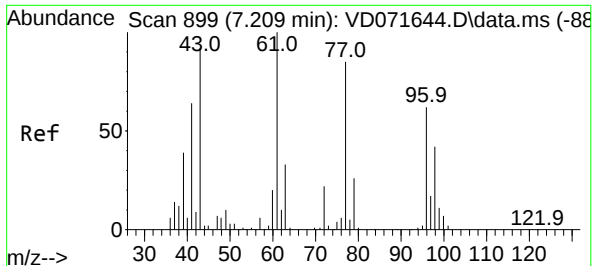
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 10.764 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#





#25

2-Butanone

Concen: 1.824 ug/l

RT: 7.179 min Scan# 899

Delta R.T. -0.029 min

Lab File: VD071762.D

Acq: 20 Jan 2022 14:34

Instrument :

MSVOA_D

ClientSampleId :

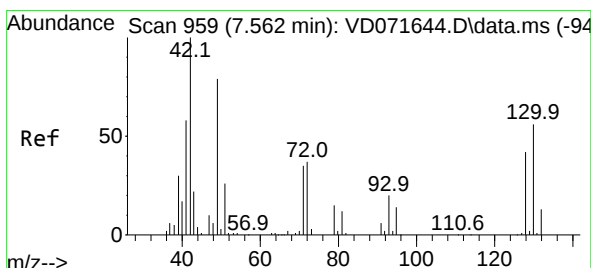
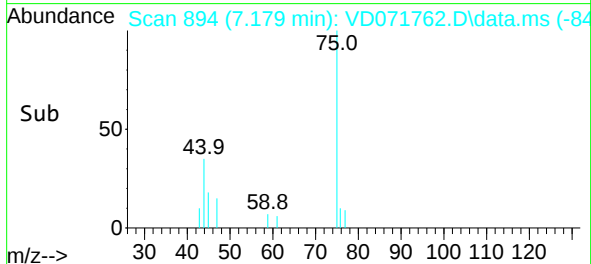
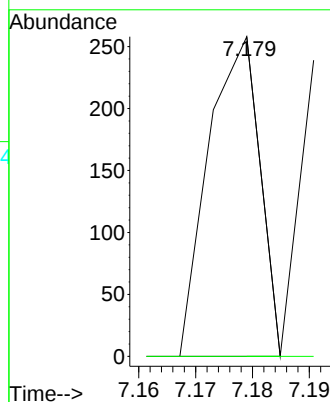
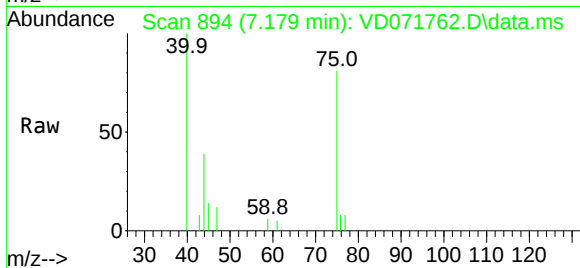
MTR-SOIL-15RE

Tgt Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

72 0.0 16.4 24.6#



#29

Tetrahydrofuran

Concen: 1.556 ug/l

RT: 7.544 min Scan# 956

Delta R.T. -0.017 min

Lab File: VD071762.D

Acq: 20 Jan 2022 14:34

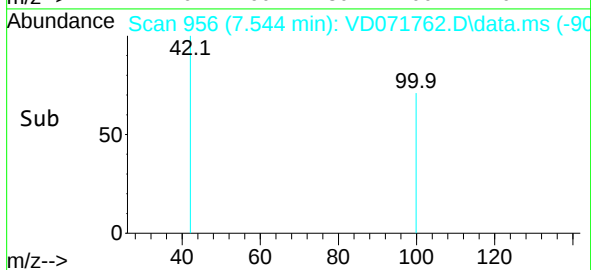
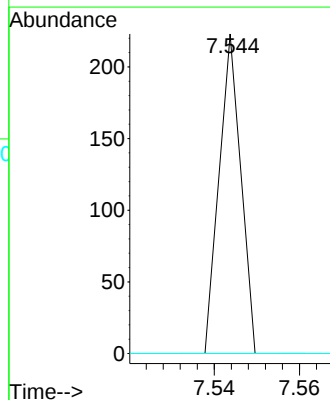
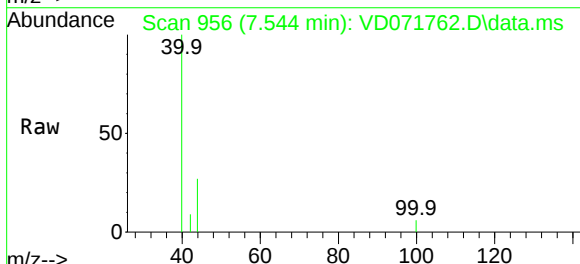
Tgt Ion: 42 Resp: 79

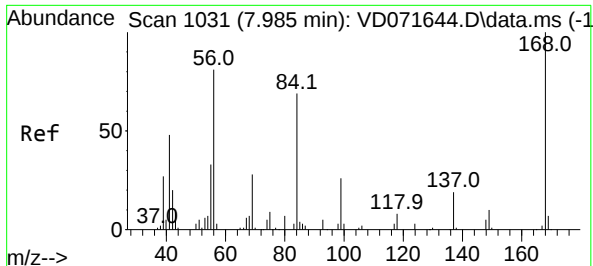
Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 0.0 27.3 40.9#





#31

Cyclohexane

Concen: 1.614 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.023 min

Lab File: VD071762.D

Acq: 20 Jan 2022 14:34

Instrument :

MSVOA_D

ClientSampleId :

MTR-SOIL-15RE

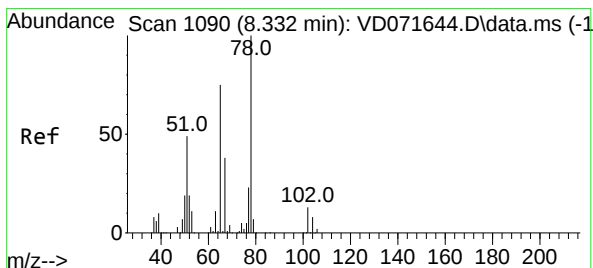
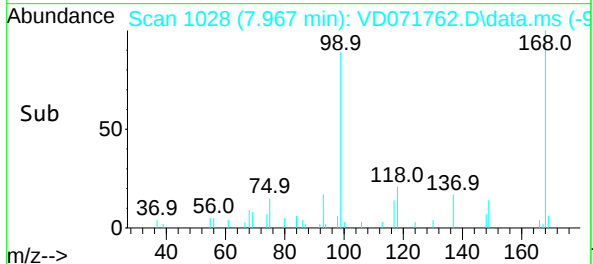
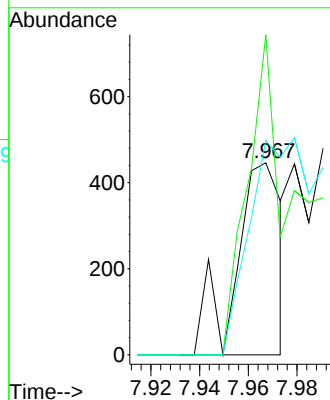
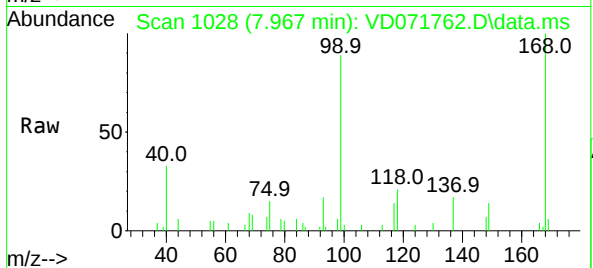
Tgt Ion: 56 Resp: 583

Ion Ratio Lower Upper

56 100

69 166.8 21.7 32.5#

84 111.7 65.7 98.5#



#33

1,2-Dichloroethane-d4

Concen: 99.180 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071762.D

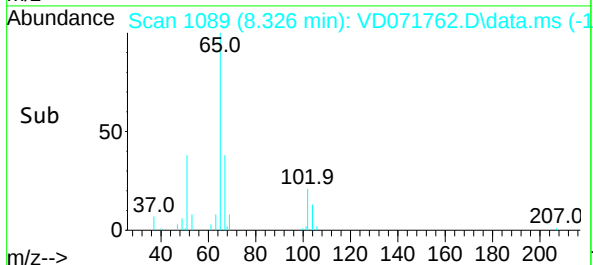
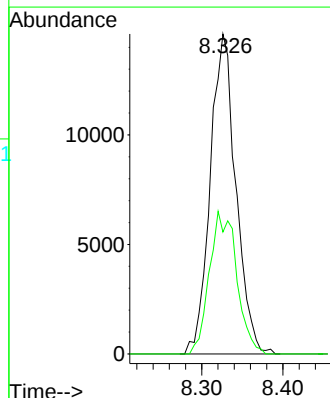
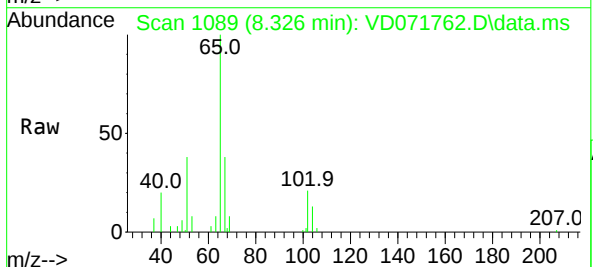
Acq: 20 Jan 2022 14:34

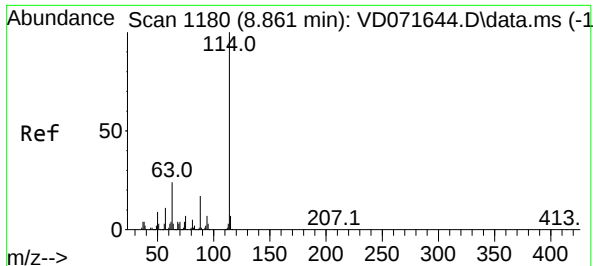
Tgt Ion: 65 Resp: 32088

Ion Ratio Lower Upper

65 100

67 47.2 0.0 101.2

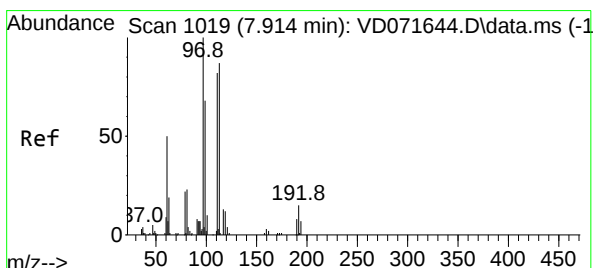
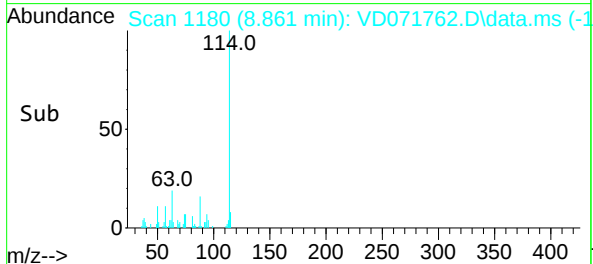
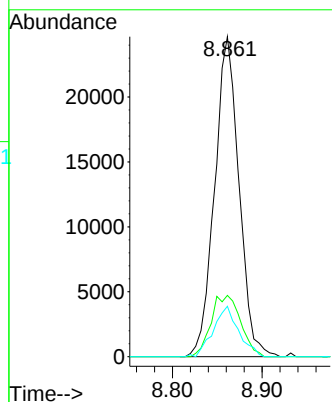
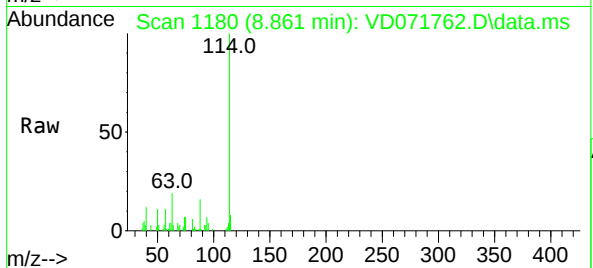




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

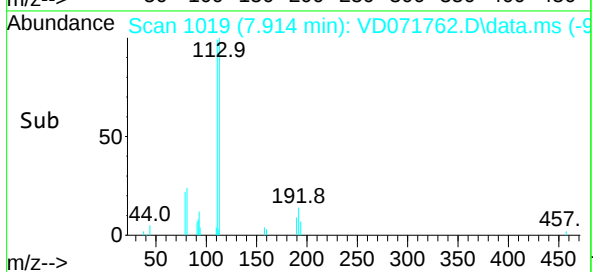
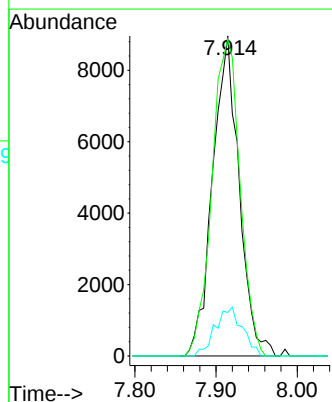
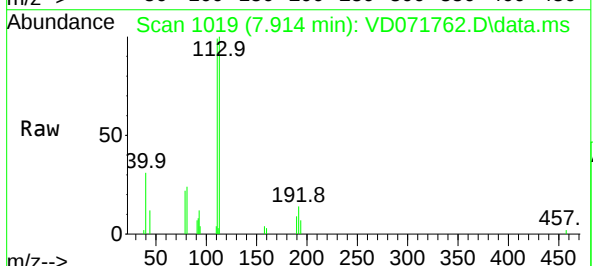
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

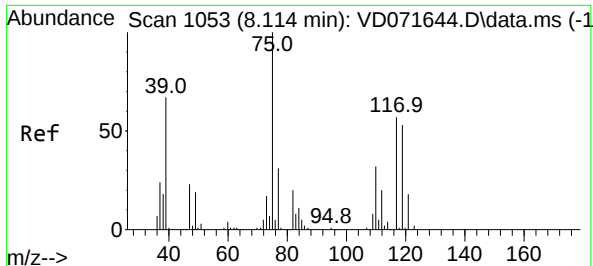
Tgt Ion:114	Resp:	46469
Ion Ratio	Lower	Upper
114	100	
63	19.2	0.0 46.2
88	15.7	0.0 32.0



#35
Dibromofluoromethane
Concen: 66.147 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion:113	Resp:	20314
Ion Ratio	Lower	Upper
113	100	
111	105.1	82.2 123.4
192	15.6	14.2 21.2





#36

1,1-Dichloropropene

Concen: 6.545 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071762.D

Acq: 20 Jan 2022 14:34

Instrument :

MSVOA_D

ClientSampleId :

MTR-SOIL-15RE

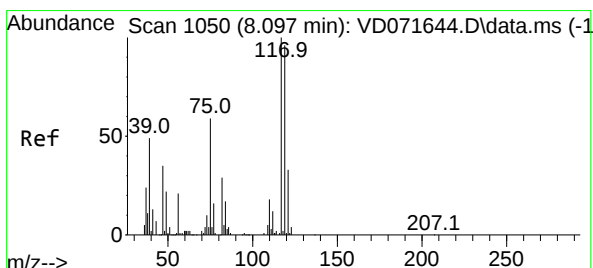
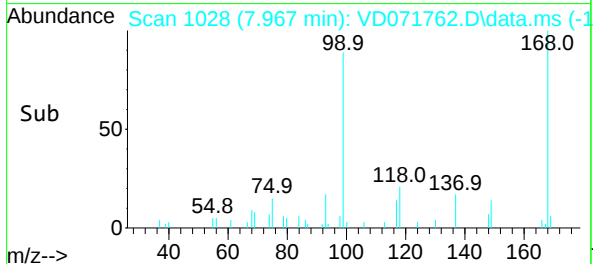
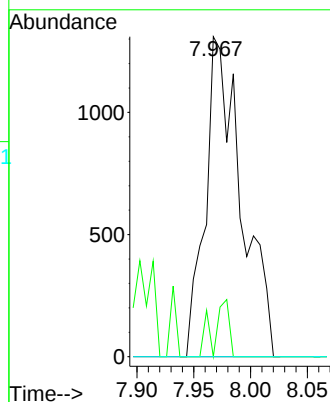
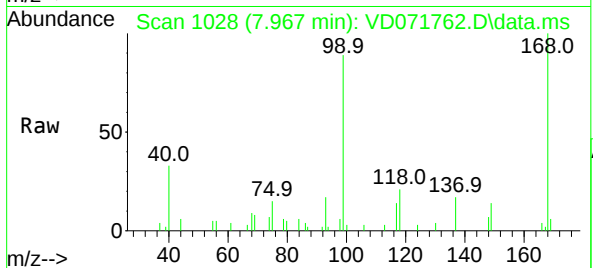
Tgt Ion: 75 Resp: 2867

Ion Ratio Lower Upper

75 100

110 7.7 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.904 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD071762.D

Acq: 20 Jan 2022 14:34

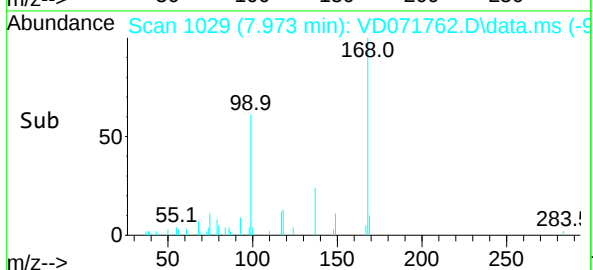
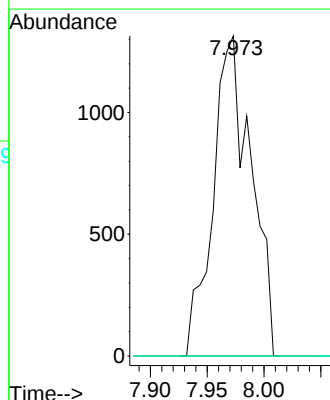
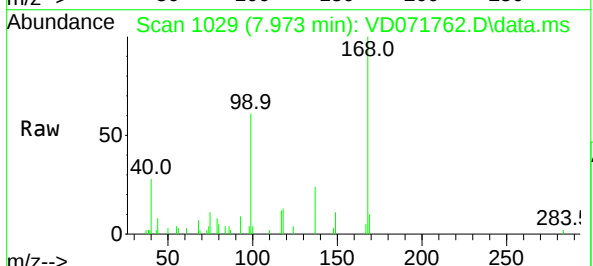
Tgt Ion: 117 Resp: 3063

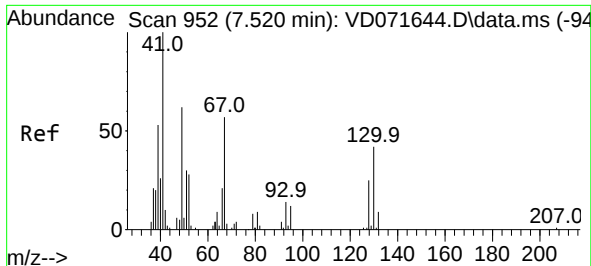
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

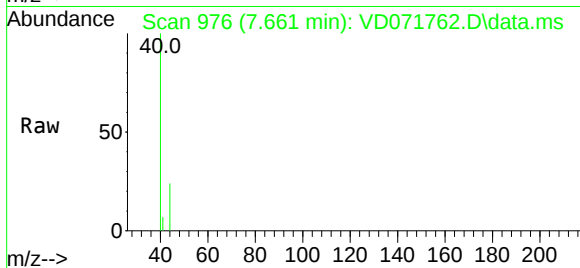
121 0.0 23.9 35.9#



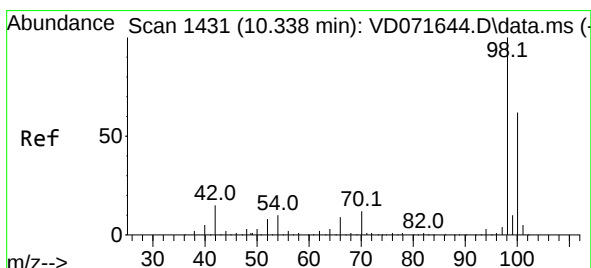
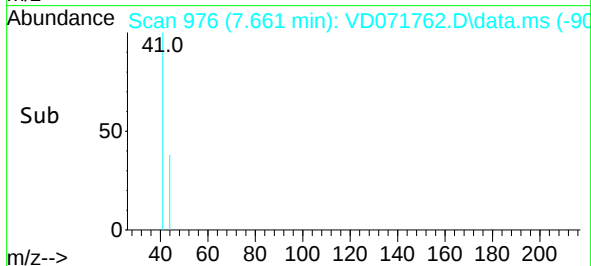
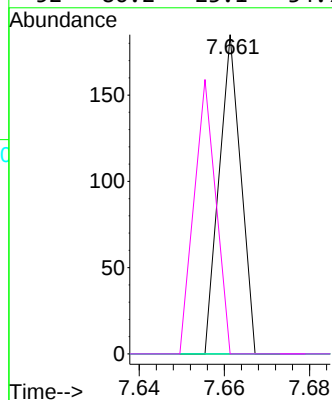


#41
Methacrylonitrile
Concen: 1.637 ug/l
RT: 7.661 min Scan# 91
Delta R.T. 0.141 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

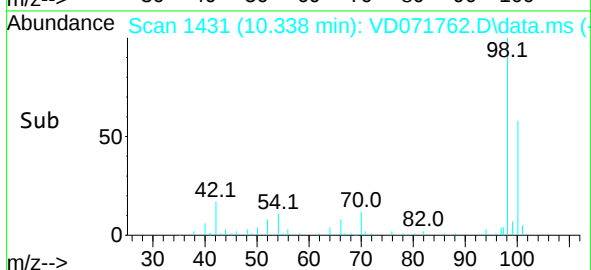
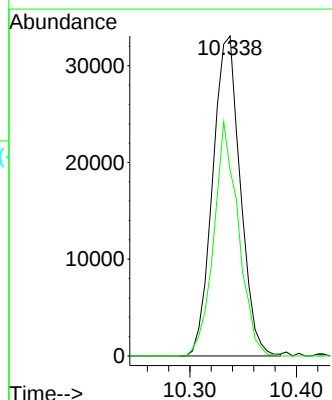
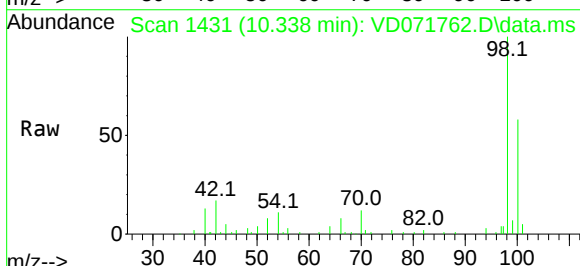


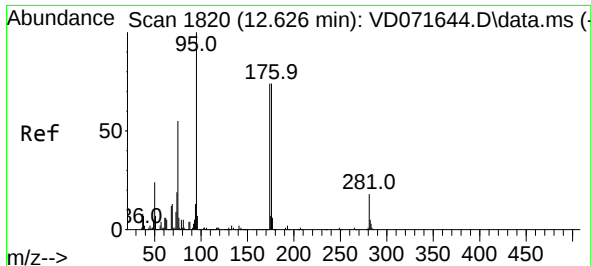
Tgt Ion: 41	Resp: 65
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 86.2	23.1 34.7#



#50
Toluene-d8
Concen: 51.711 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion: 98	Resp: 59446
Ion Ratio	Lower Upper
98 100	
100 65.4	52.1 78.1

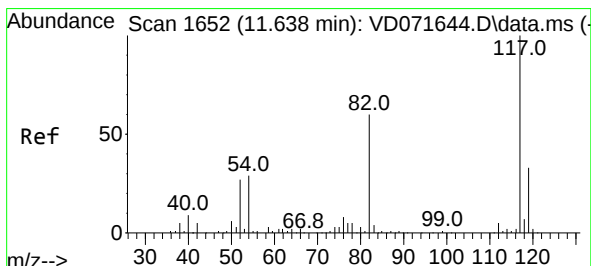
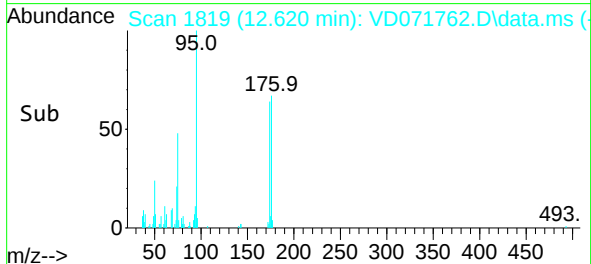
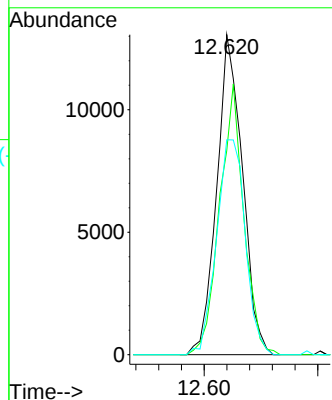
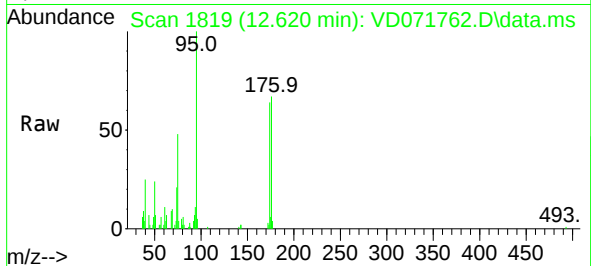




#62
4-Bromofluorobenzene
Concen: 50.738 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

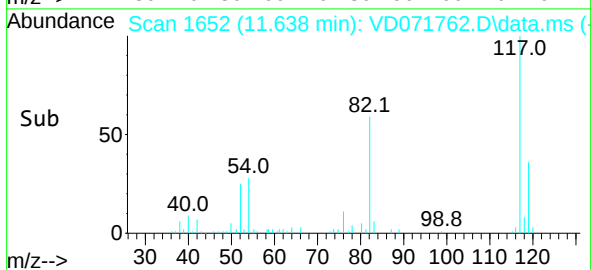
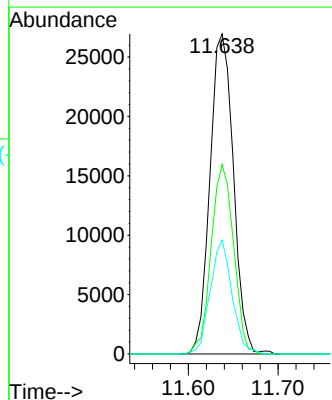
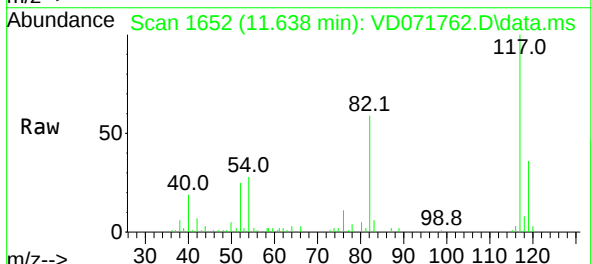
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

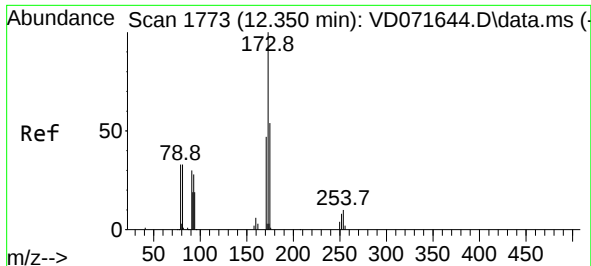
Tgt Ion: 95 Resp: 20553
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.0
176 75.1 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion: 117 Resp: 48981
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 35.6 26.6 39.8

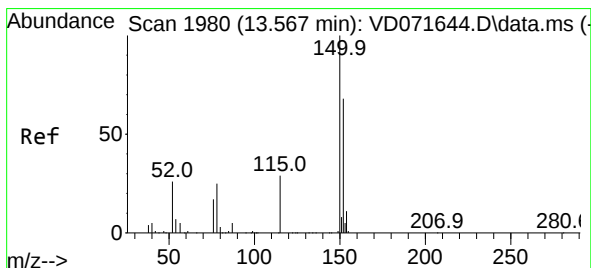
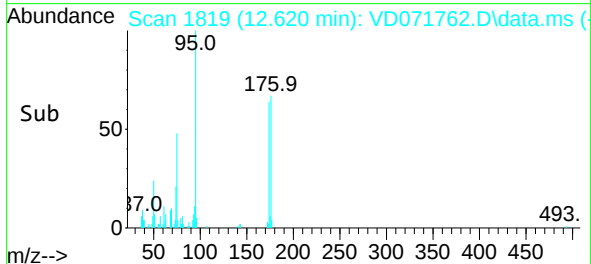
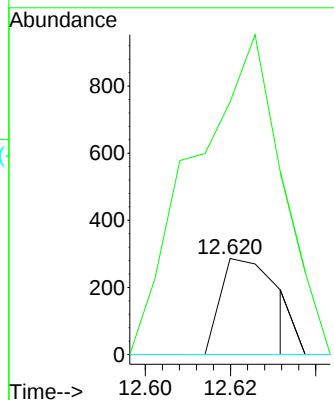
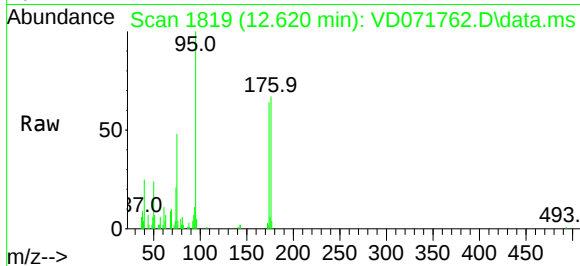




#71
Bromoform
Concen: 1.521 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

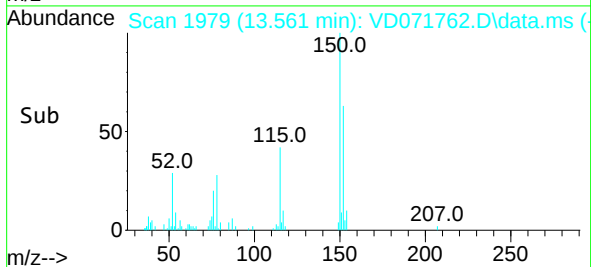
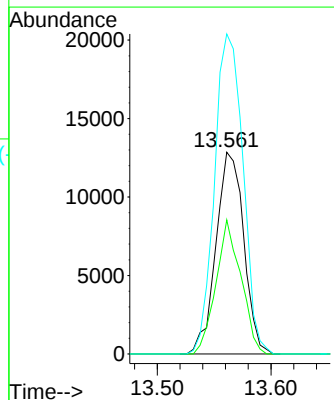
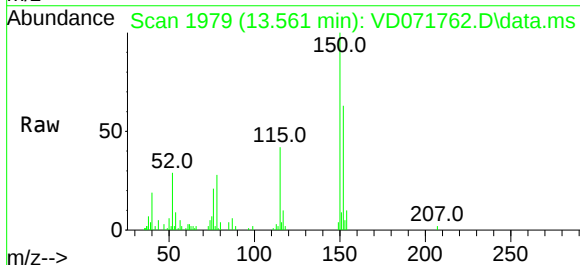
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

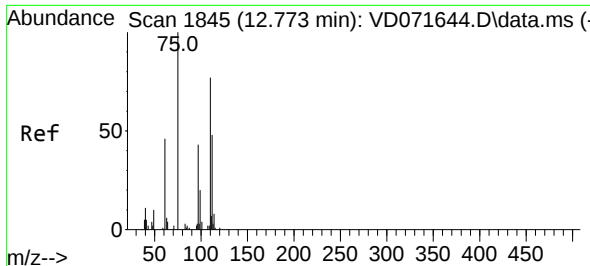
Tgt Ion:173 Resp: 264
Ion Ratio Lower Upper
173 100
175 488.6 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

Tgt Ion:152 Resp: 21837
Ion Ratio Lower Upper
152 100
115 59.7 31.5 94.5
150 162.5 0.0 348.0

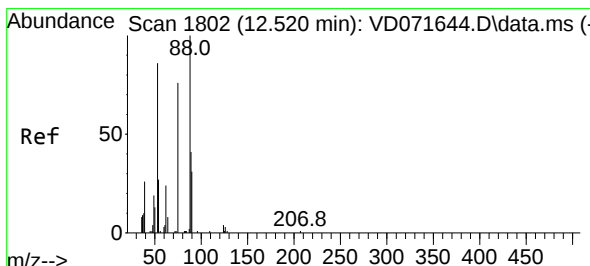
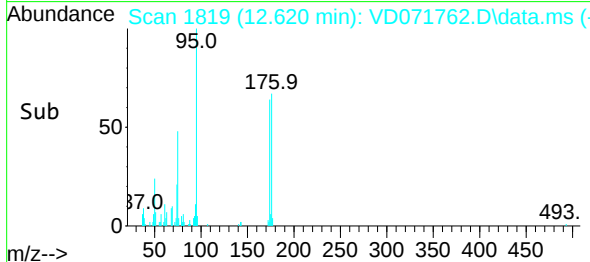
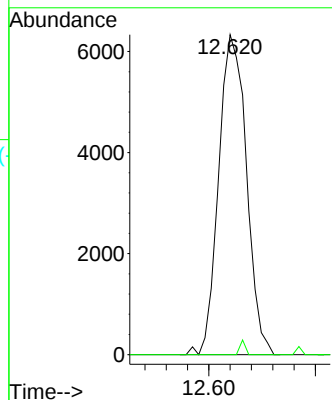
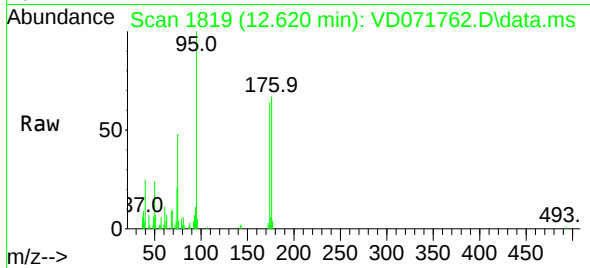




#76
1,2,3-Trichloropropane
Concen: 54.311 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

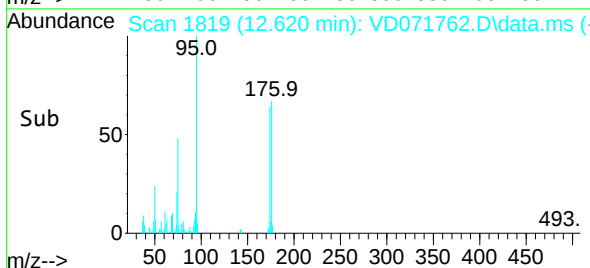
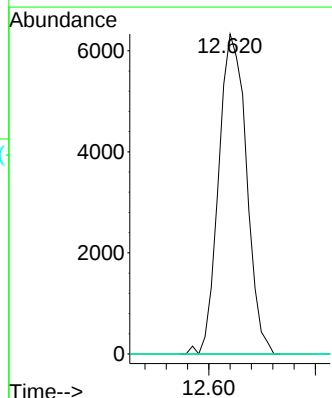
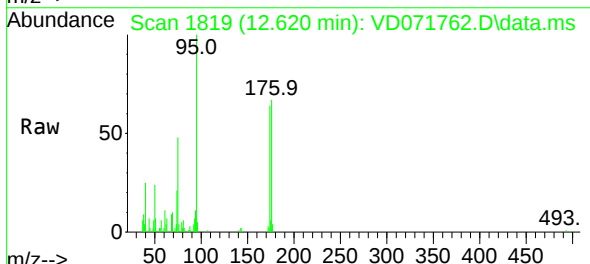
Instrument :
MSVOA_D
ClientSampleId :
MTR-SOIL-15RE

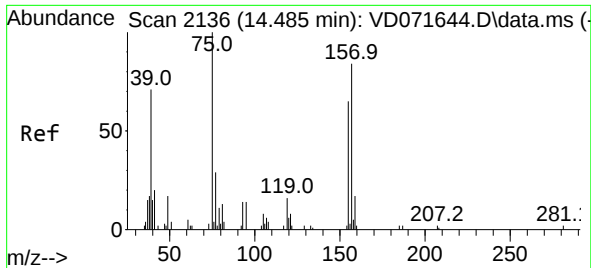
Tgt Ion: 75 Resp: 11460
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.413 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071762.D
Acq: 20 Jan 2022 14:34

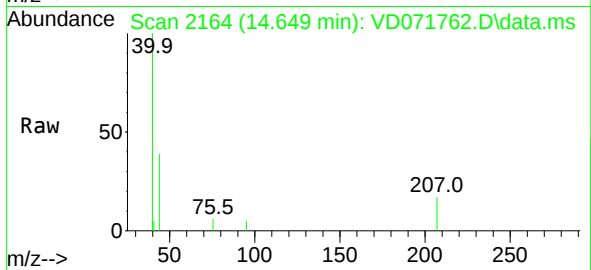
Tgt Ion: 75 Resp: 11460
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.0 37.2 55.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.477 ug/l
 RT: 14.649 min Scan# 21
 Delta R.T. 0.159 min
 Lab File: VD071762.D
 Acq: 20 Jan 2022 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 MTR-SOIL-15RE



Tgt Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.4 106.1#
 157 0.0 44.9 134.5#

