

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075177.D
 Acq On : 04 Nov 2022 16:09
 Operator : JC\MD
 Sample : N5435-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PTS-SOIL-PILE-1103

Quant Time: Nov 05 07:00:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

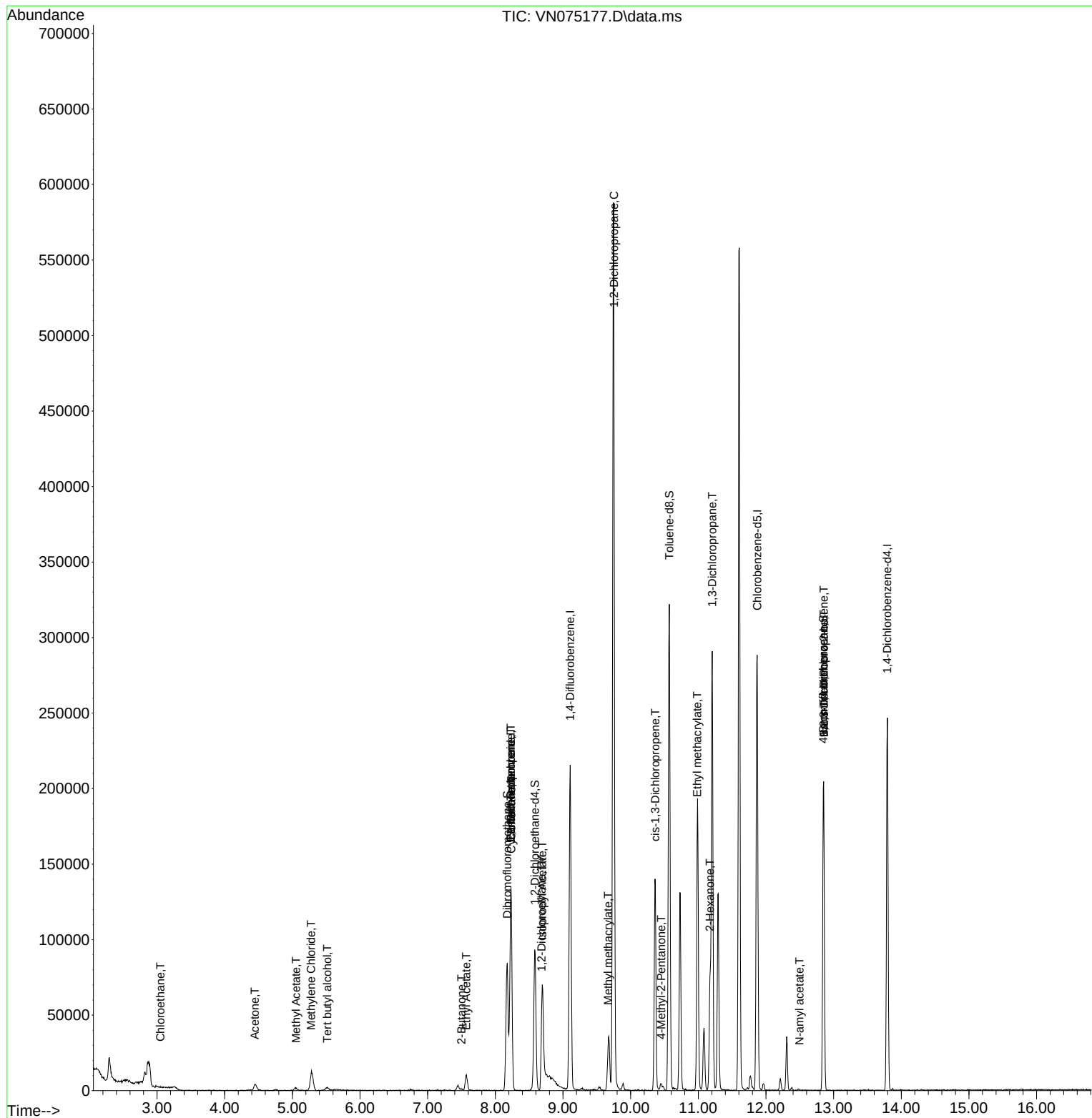
Internal Standards						
1) Pentafluorobenzene	8.229	168	91843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	184407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	169078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77149	62.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.680%			
35) Dibromofluoromethane	8.177	113	59721	55.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.340%			
50) Toluene-d8	10.571	98	223250	53.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.300%			
62) 4-Bromofluorobenzene	12.847	95	70498	47.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.560%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	62	Below Cal	#	5
6) Chloroethane	3.047	64	433	0.334	ug/l #	45
11) Tert butyl alcohol	5.518	59	1610	5.579	ug/l #	72
16) Acetone	4.447	43	8483	16.190	ug/l #	88
18) Methyl Acetate	5.053	43	3434	2.006	ug/l	90
20) Methylene Chloride	5.277	84	10164	8.700	ug/l #	75
25) 2-Butanone	7.500	43	1771	2.149	ug/l	97
31) Cyclohexane	8.235	56	2205	1.198	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	8649	5.161	ug/l #	49
37) Ethyl Acetate	7.571	43	14733	8.016	ug/l	99
38) Carbon Tetrachloride	8.229	117	10955	5.942	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	419	0.224	ug/l #	75
43) Isopropyl Acetate	8.694	43	85122	29.857	ug/l #	82
45) 1,2-Dichloropropane	9.753	63	659	0.540	ug/l #	42
48) Methyl methacrylate	9.665	41	1960	1.499	ug/l #	35
51) 4-Methyl-2-Pentanone	10.453	43	3069	1.668	ug/l #	85
54) cis-1,3-Dichloropropene	10.365	75	27024	13.101	ug/l #	65
56) Ethyl methacrylate	10.982	69	652	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3390	1.497	ug/l #	42
59) 2-Hexanone	11.170	43	55854	40.001	ug/l #	21
71) Bromoform	12.853	173	551	0.550	ug/l #	1
74) N-amyl acetate	12.494	43	563	0.290	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	38182	27.480	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38182	70.540	ug/l #	10

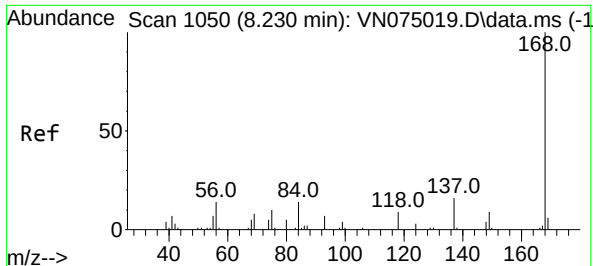
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 27 09:48:49 2022
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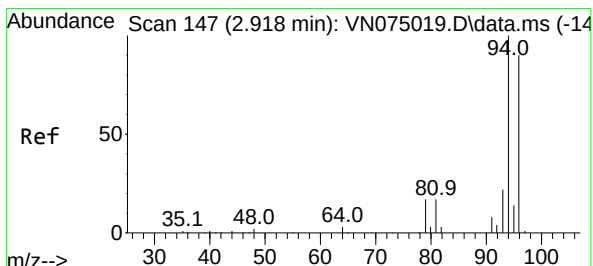
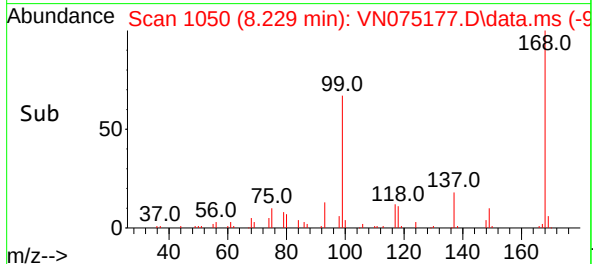
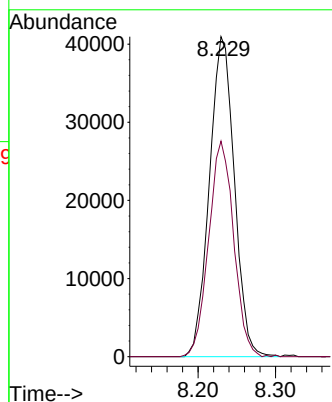
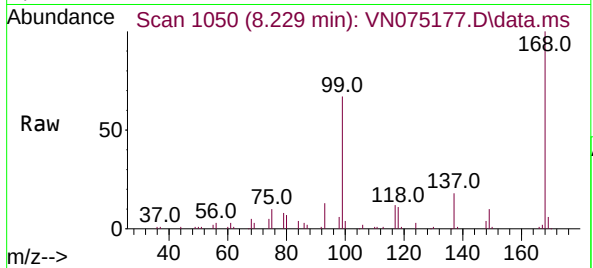




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

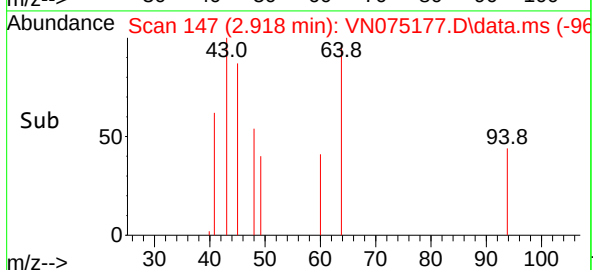
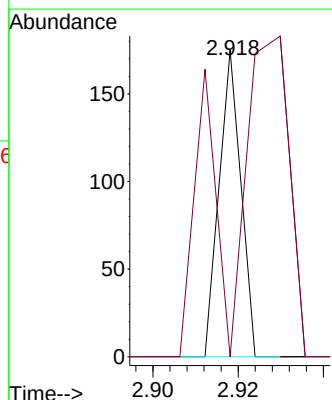
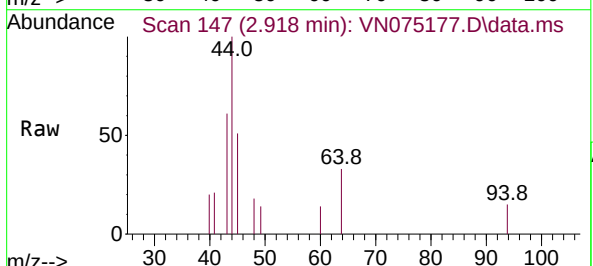
Instrument :
MSVOA_N
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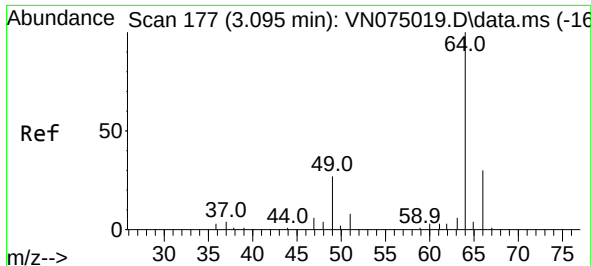
Tgt Ion:168 Resp: 91843
Ion Ratio Lower Upper
168 100
99 67.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

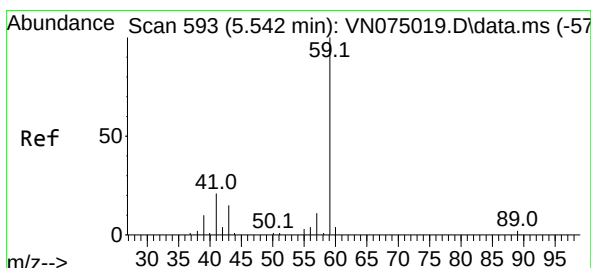
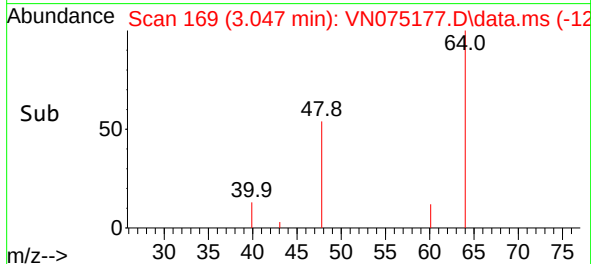
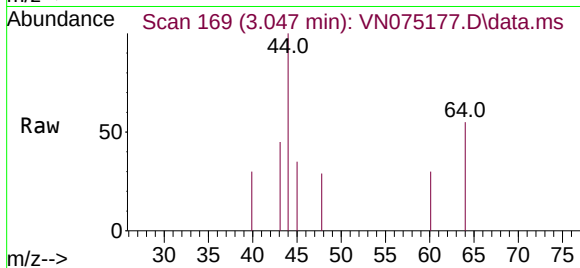




#6
Chloroethane
Concen: 0.334 ug/l
RT: 3.047 min Scan# 1
Delta R.T. -0.048 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

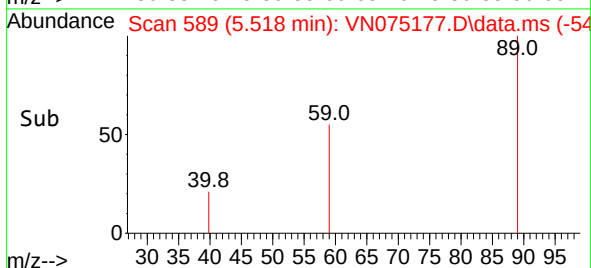
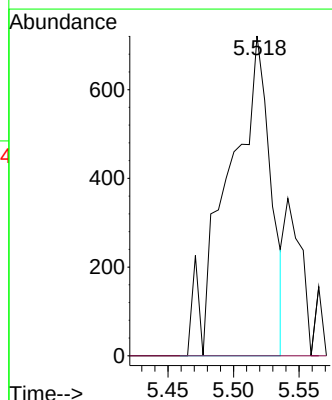
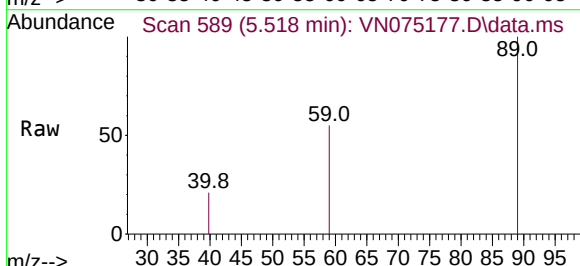
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

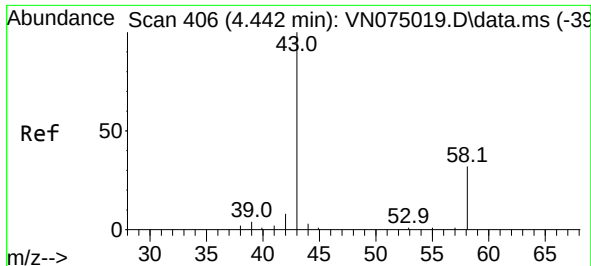
Tgt Ion: 64 Resp: 433
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 5.579 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 59 Resp: 1610
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

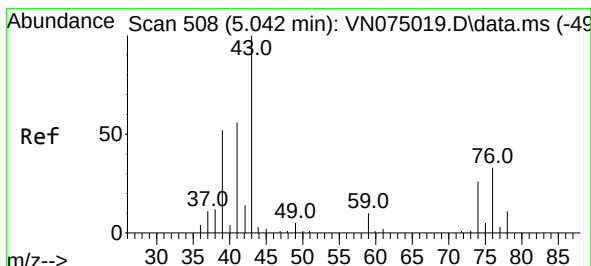
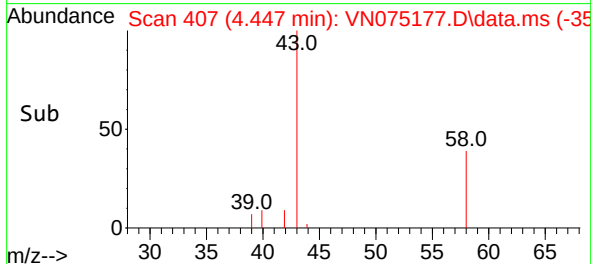
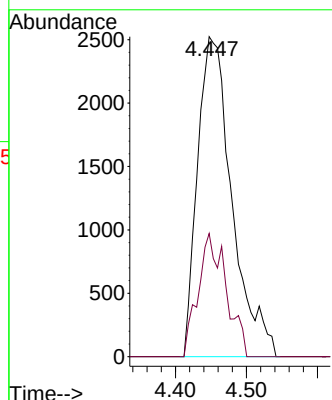
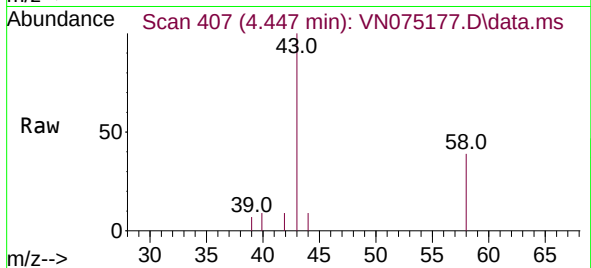




#16
Acetone
Concen: 16.190 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

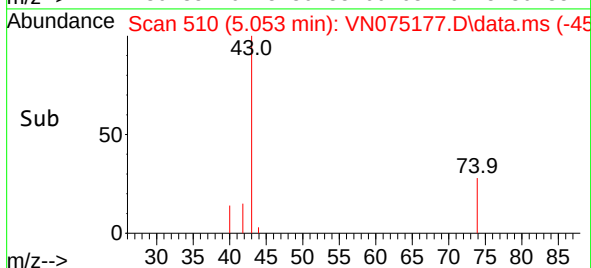
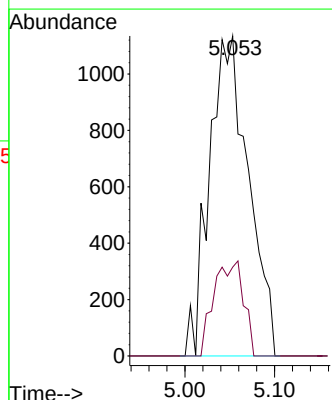
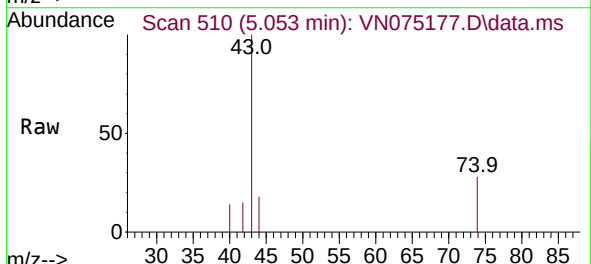
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

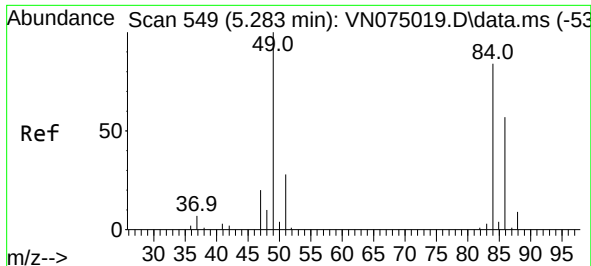
Tgt Ion: 43 Resp: 8483
Ion Ratio Lower Upper
43 100
58 38.5 25.5 38.3#



#18
Methyl Acetate
Concen: 2.006 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
74 22.5 22.0 33.0

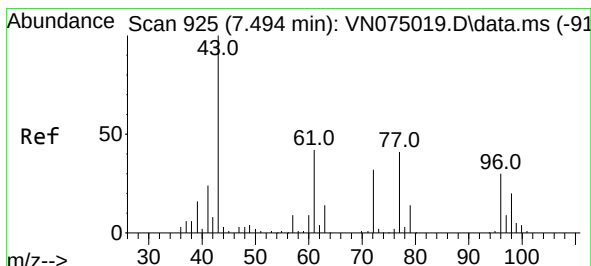
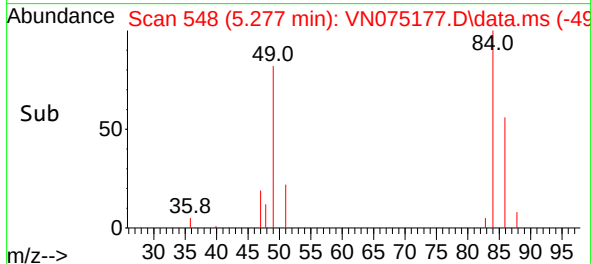
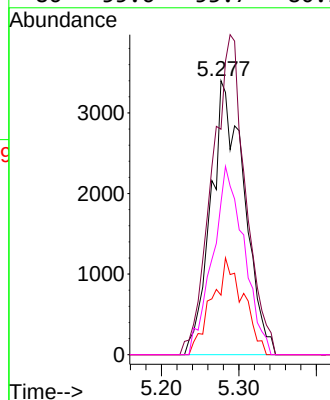
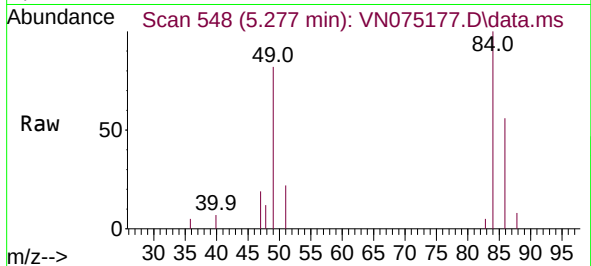




#20
Methylene Chloride
Concen: 8.700 ug/l
RT: 5.277 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

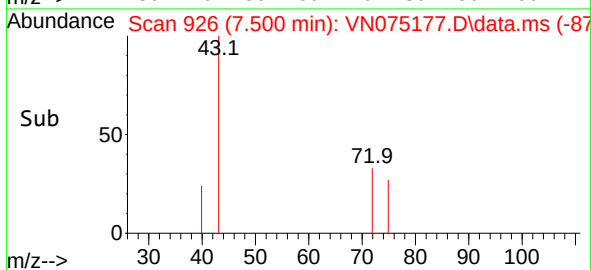
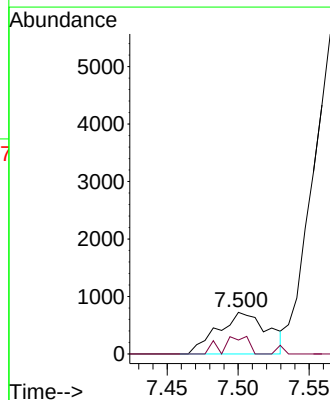
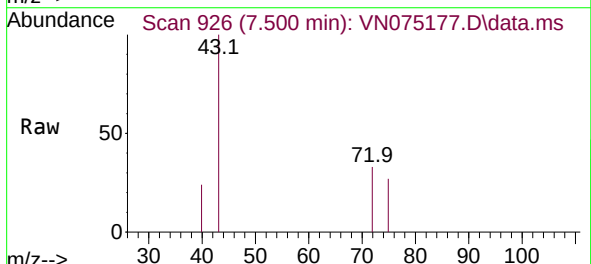
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

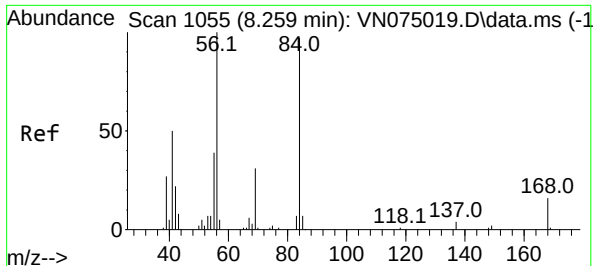
Tgt Ion: 84	Resp: 10164
Ion Ratio	Lower Upper
84 100	
49 82.3	94.9 142.3#
51 21.7	26.8 40.2#
86 55.6	53.7 80.5



#25
2-Butanone
Concen: 2.149 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 43	Resp: 1771		
Ion Ratio	Lower	Upper	
43 100			
72 33.4	25.5	38.3	





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 8.235 min Scan# 1105

Delta R.T. -0.024 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

PTS-SOIL-PILE-1103

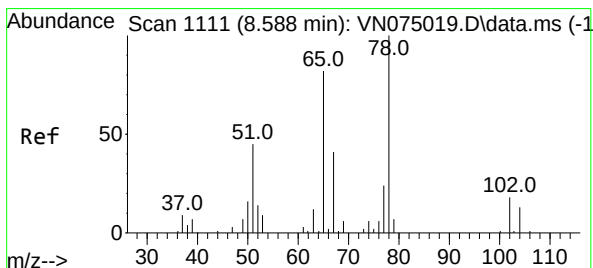
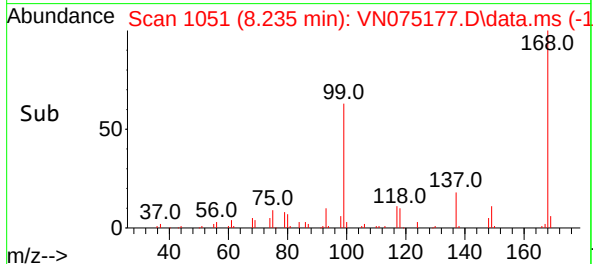
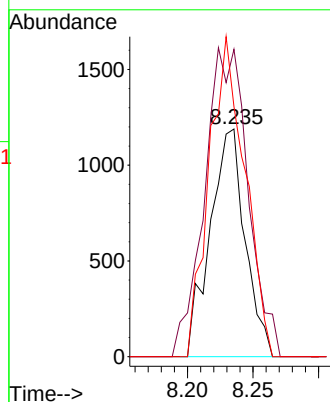
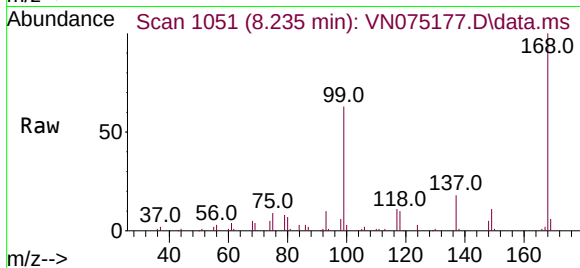
Tgt Ion: 56 Resp: 2205

Ion Ratio Lower Upper

56 100

69 135.0 25.2 37.8#

84 109.8 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 62.344 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VN075177.D

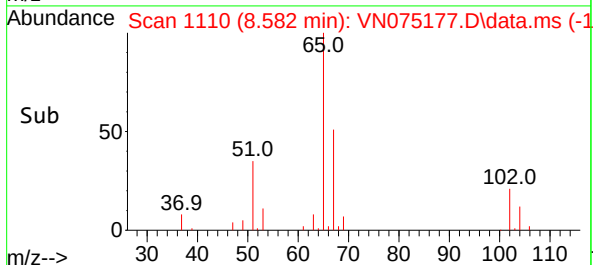
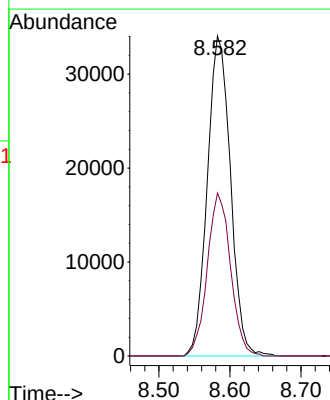
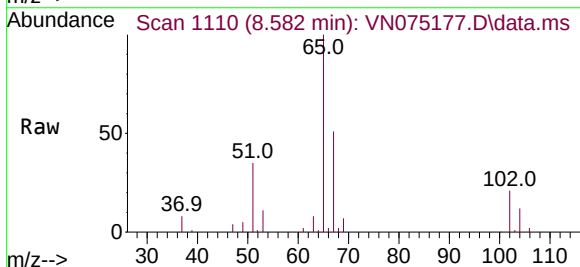
Acq: 04 Nov 2022 16:09

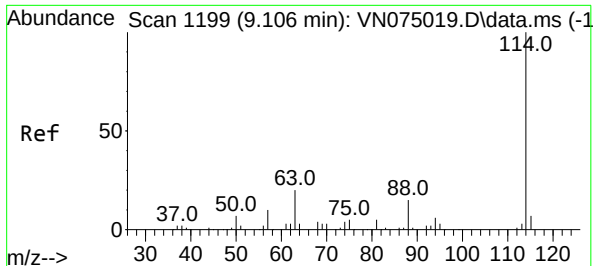
Tgt Ion: 65 Resp: 77149

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

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ClientSampleId :

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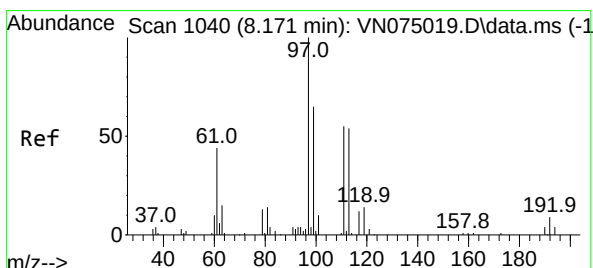
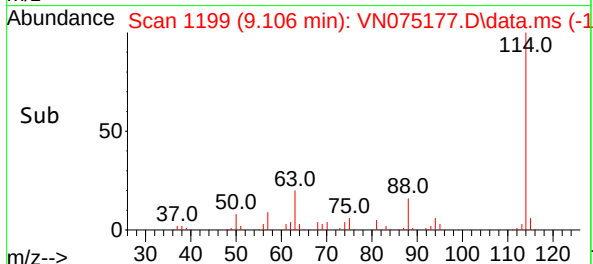
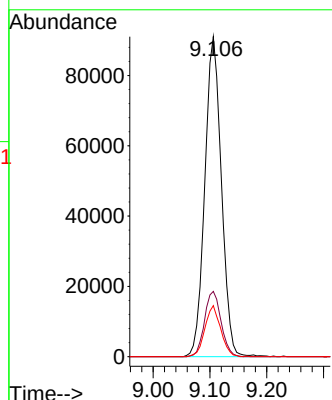
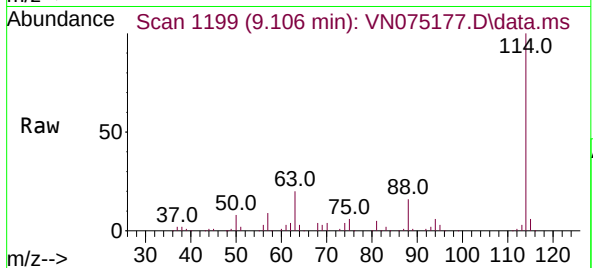
Tgt Ion:114 Resp: 184407

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.166 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

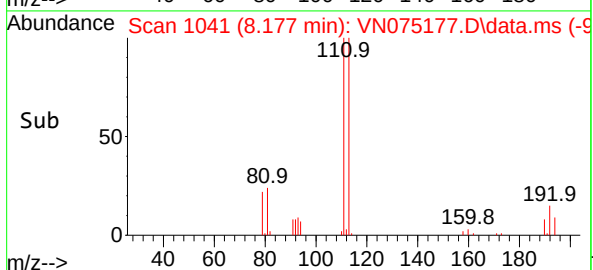
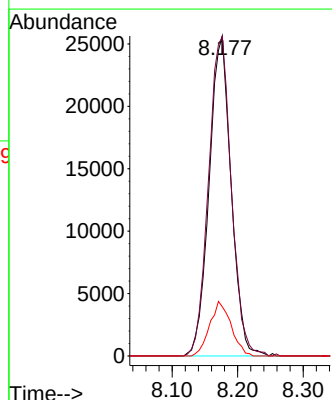
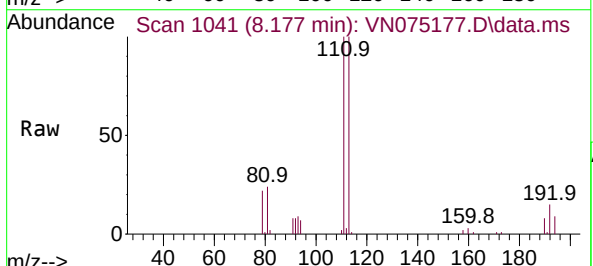
Tgt Ion:113 Resp: 59721

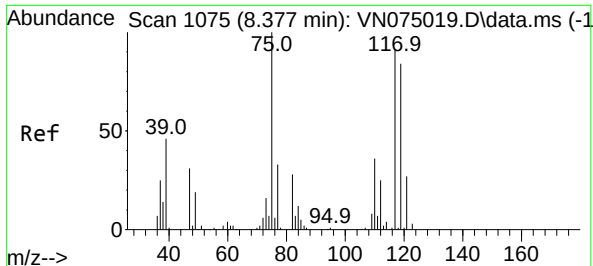
Ion Ratio Lower Upper

113 100

111 103.7 80.5 120.7

192 16.6 13.2 19.8

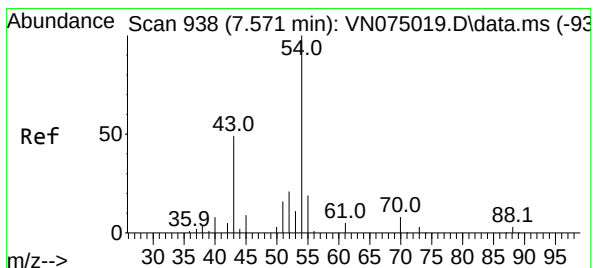
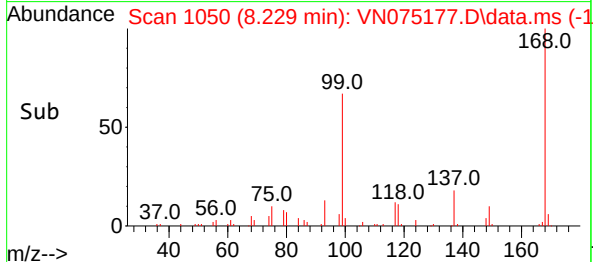
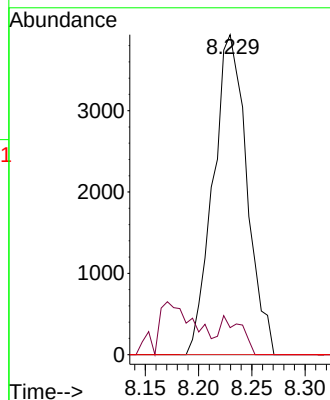
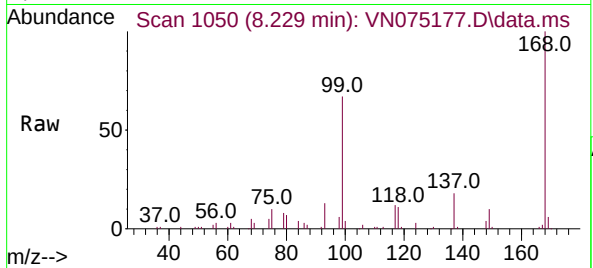




#36
1,1-Dichloropropene
Concen: 5.161 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

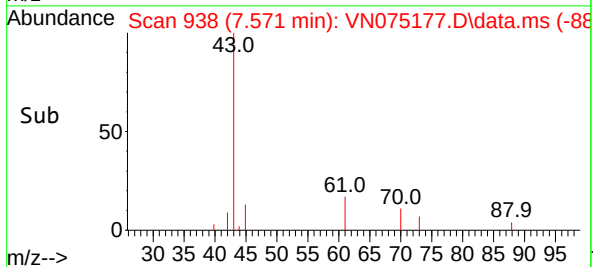
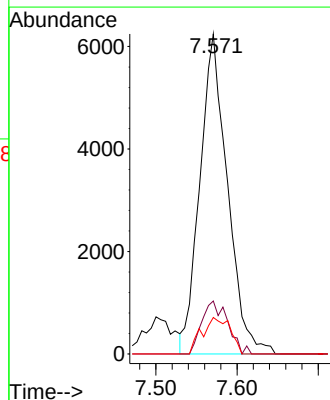
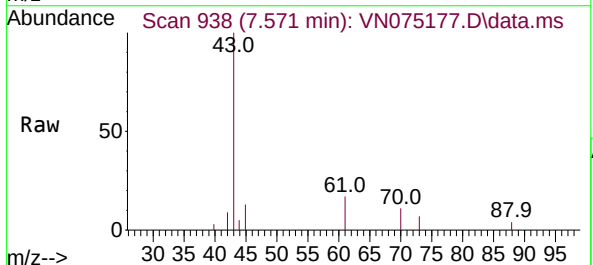
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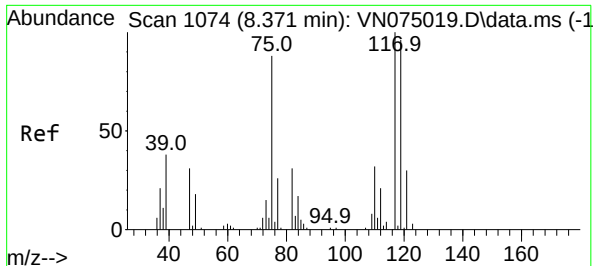
Tgt Ion: 75 Resp: 8649
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.016 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

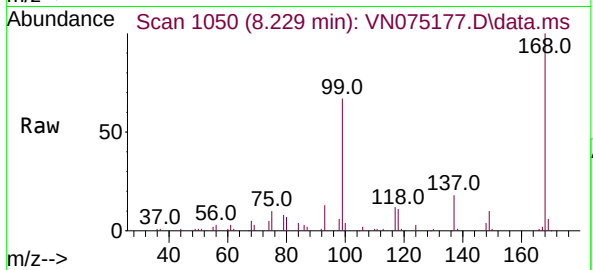
Tgt Ion: 43 Resp: 14733
Ion Ratio Lower Upper
43 100
61 15.6 12.2 18.4
70 11.7 9.4 14.2



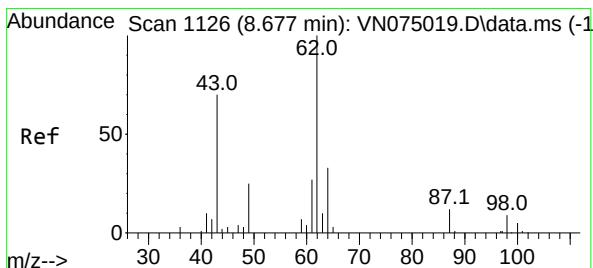
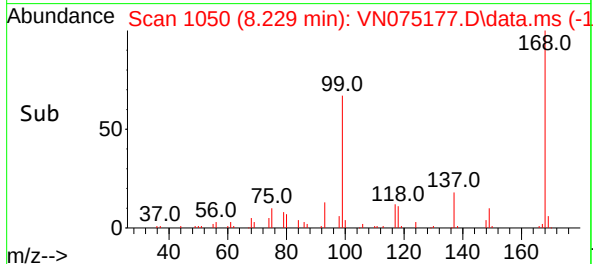
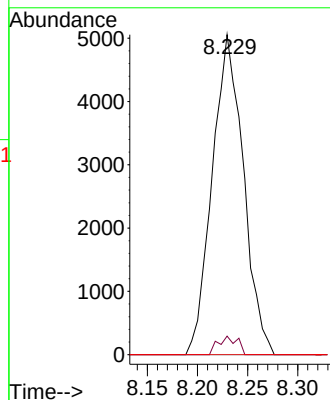


#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Instrument :
MSVOA_N
ClientSampleId :
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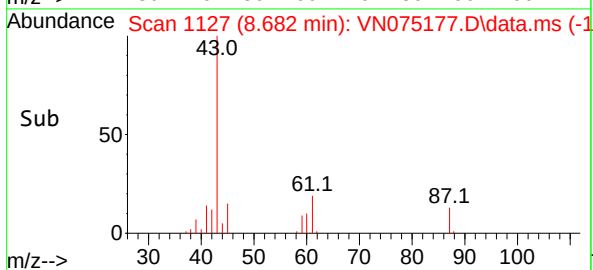
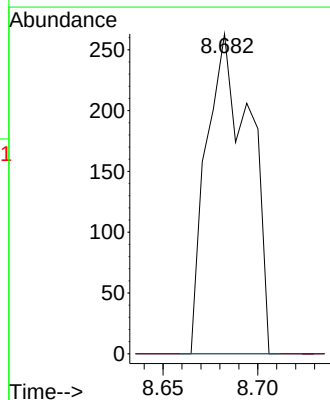
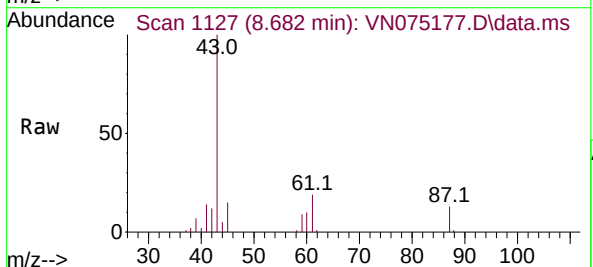


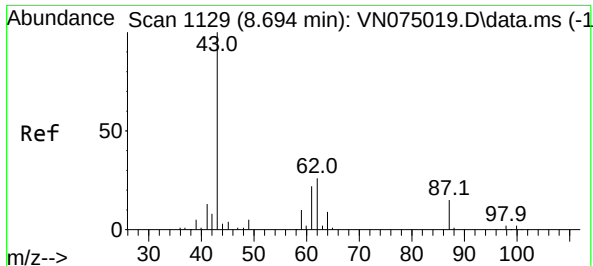
Tgt Ion:117 Resp: 10955
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 62 Resp: 419
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 29.857 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

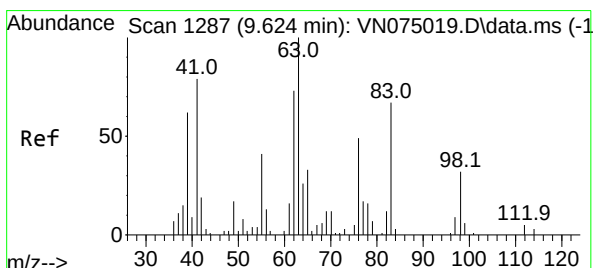
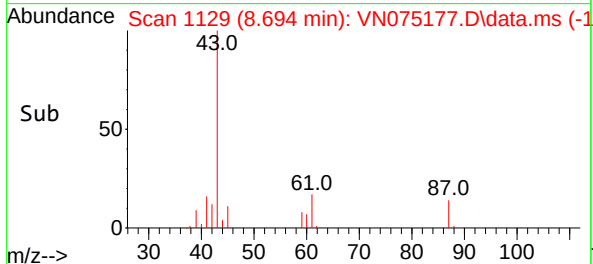
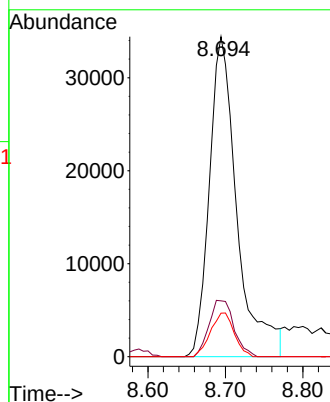
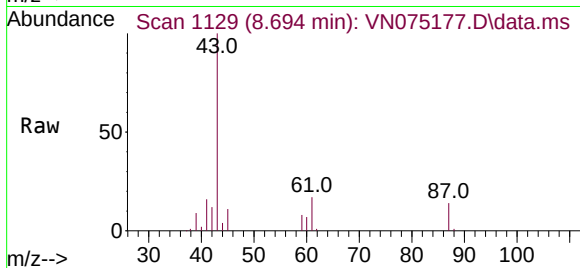
Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:	43	Resp:	85122
Ion	Ratio	Lower	Upper
43	100		
61	15.9	22.4	33.6#
87	11.7	12.5	18.7#



#45

1,2-Dichloropropane

Concen: 0.540 ug/l

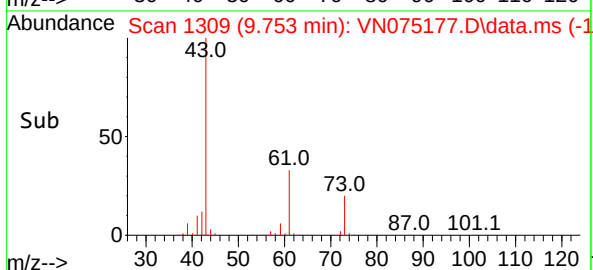
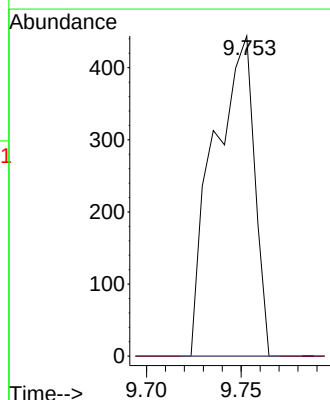
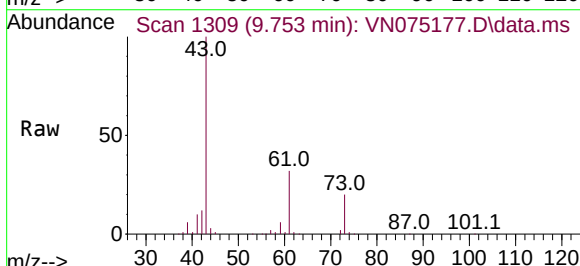
RT: 9.753 min Scan# 1309

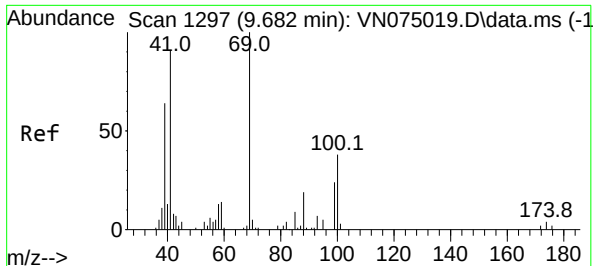
Delta R.T. 0.129 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

Tgt Ion:	63	Resp:	659
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.1	39.1#





#48

Methyl methacrylate

Concen: 1.499 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

PTS-SOIL-PILE-1103

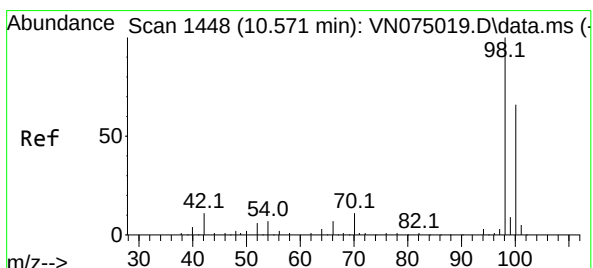
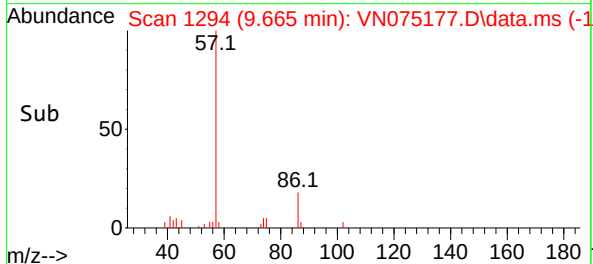
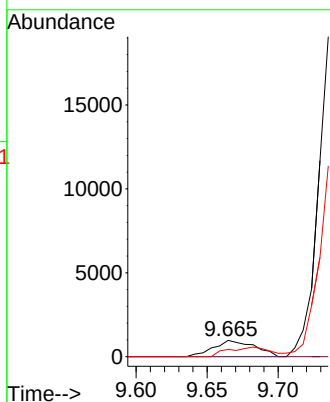
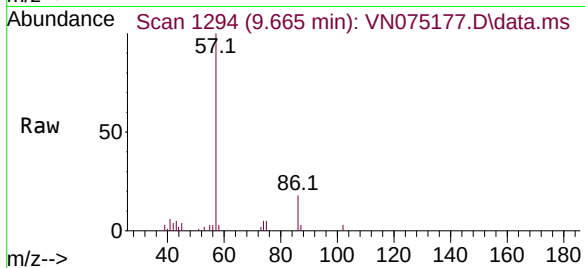
Tgt Ion: 41 Resp: 1960

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 58.4 56.2 84.2



#50

Toluene-d8

Concen: 53.154 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075177.D

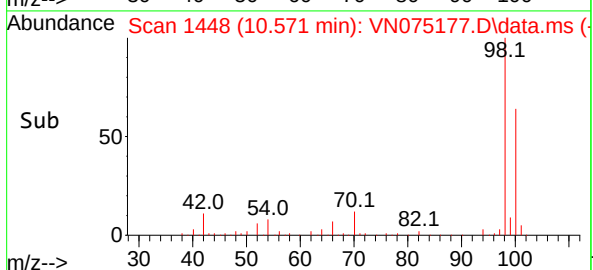
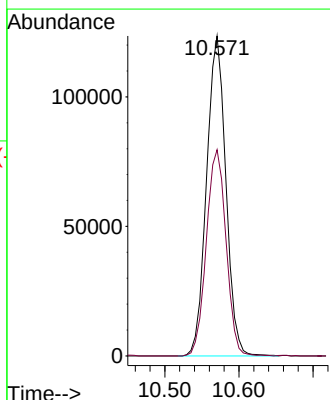
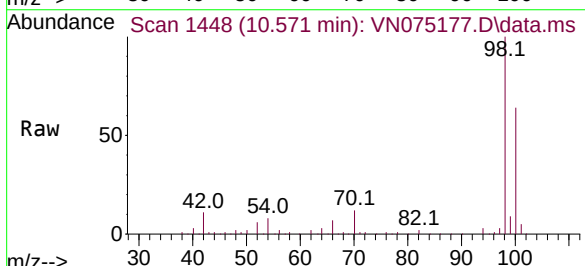
Acq: 04 Nov 2022 16:09

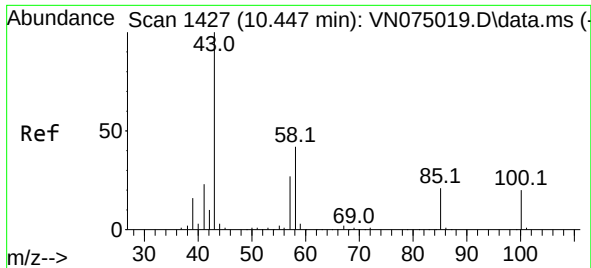
Tgt Ion: 98 Resp: 223250

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6

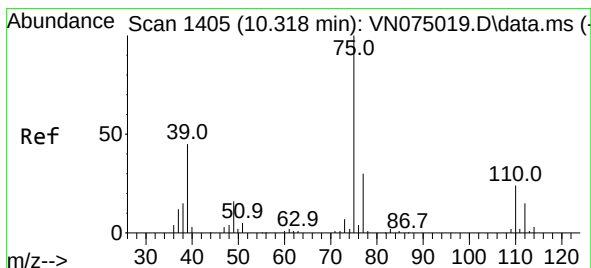
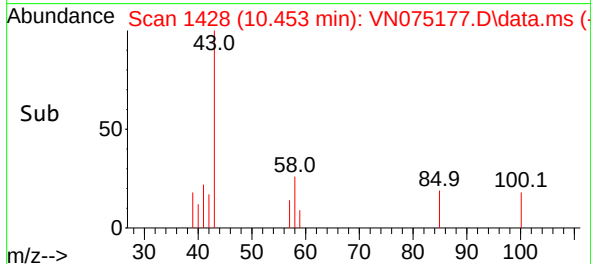
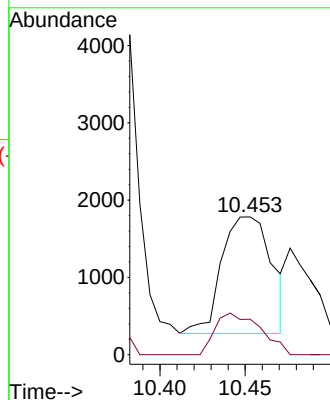
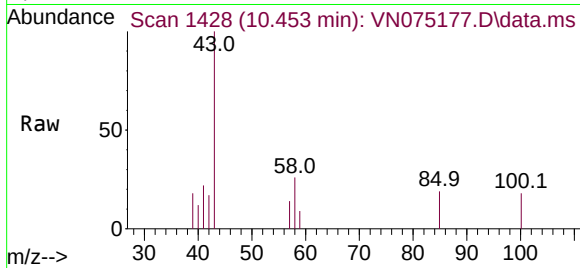




#51
4-Methyl-2-Pentanone
Concen: 1.668 ug/l
RT: 10.453 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

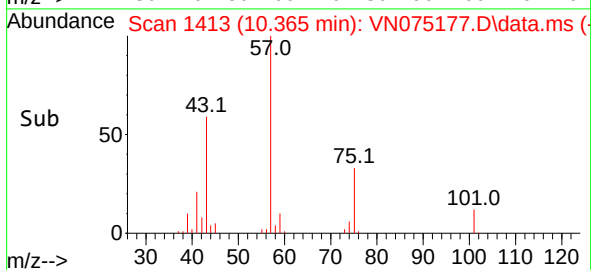
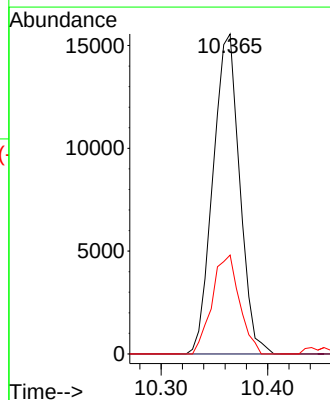
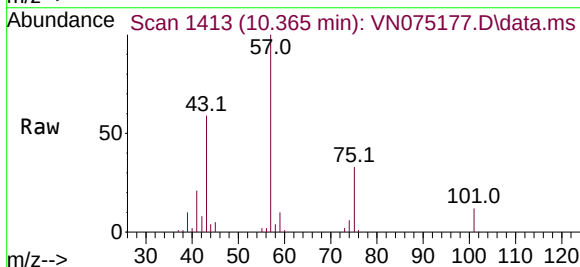
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

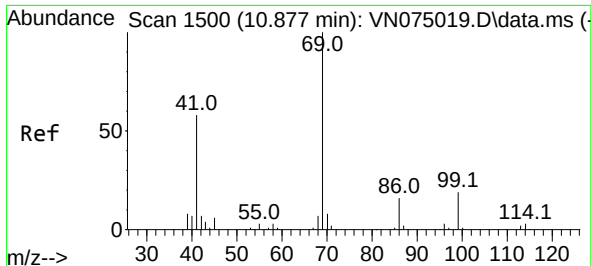
Tgt Ion: 43 Resp: 3069
Ion Ratio Lower Upper
43 100
58 32.7 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 13.101 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.047 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 75 Resp: 27024
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.9 35.8 53.6#

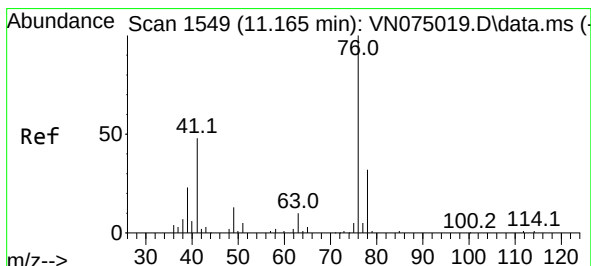
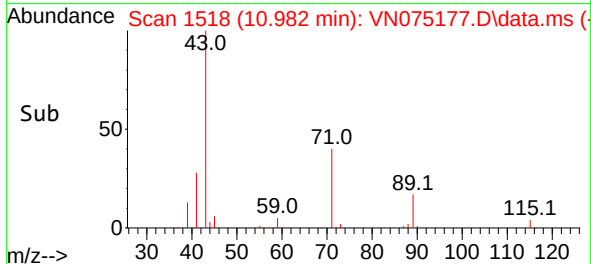
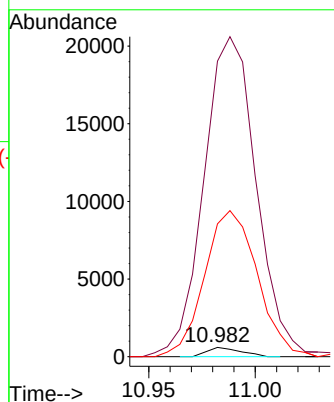
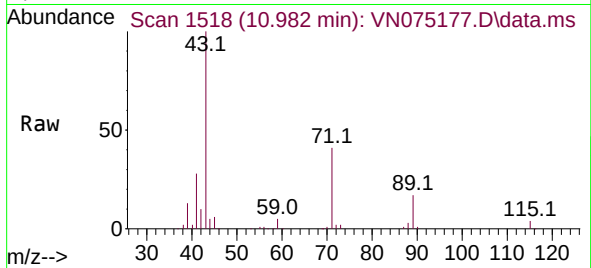




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

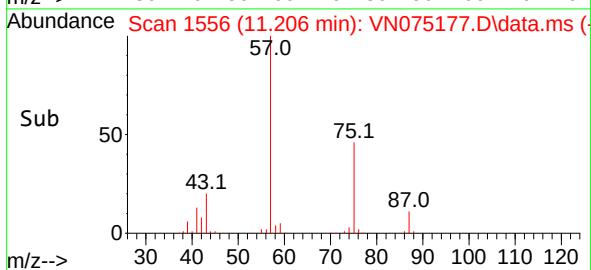
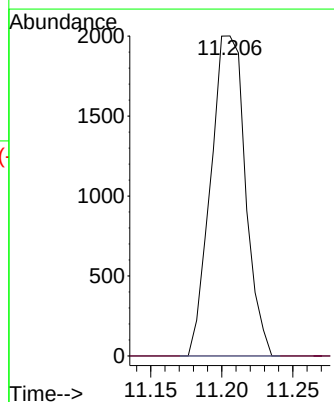
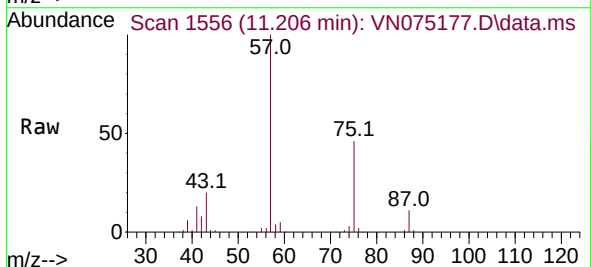
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

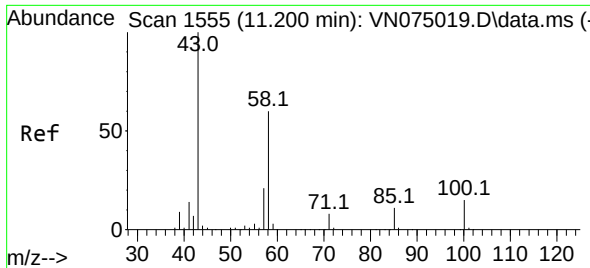
Tgt Ion: 69 Resp: 652
Ion Ratio Lower Upper
69 100
41 5451.8 45.6 68.4#
39 2497.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.497 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 76 Resp: 3390
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

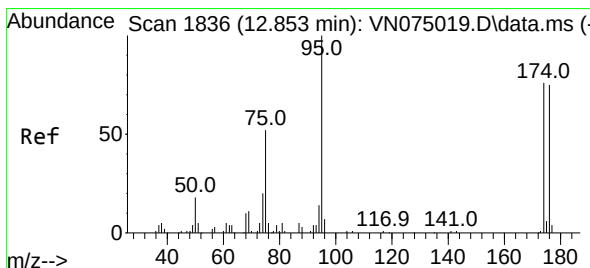
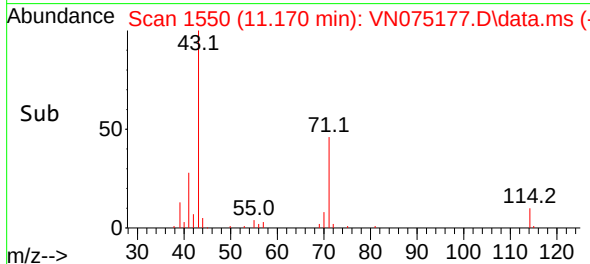
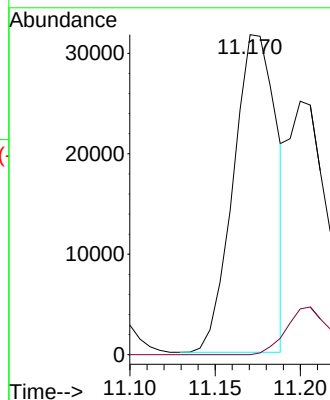
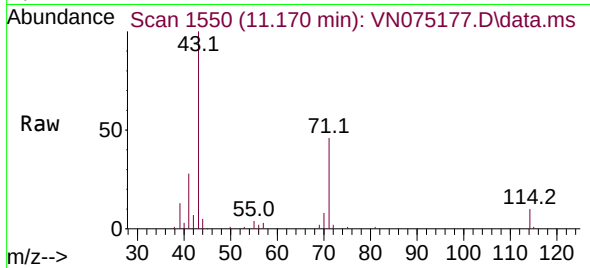




#59
2-Hexanone
Concen: 40.001 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.030 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

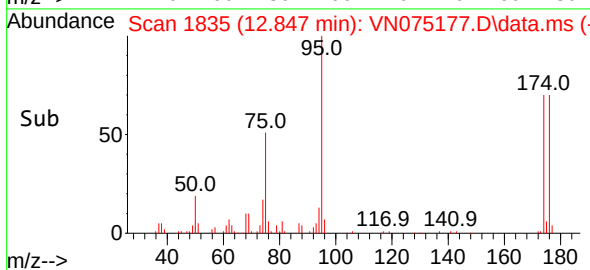
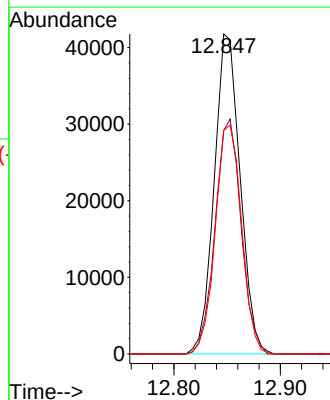
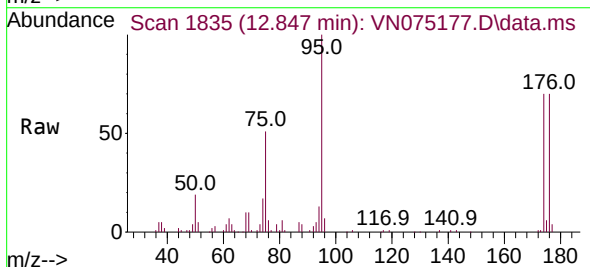
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

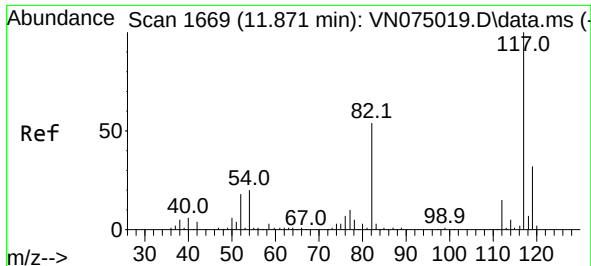
Tgt Ion: 43 Resp: 55854
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.782 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 95 Resp: 70498
Ion Ratio Lower Upper
95 100
174 73.8 0.0 147.4
176 72.5 0.0 142.2

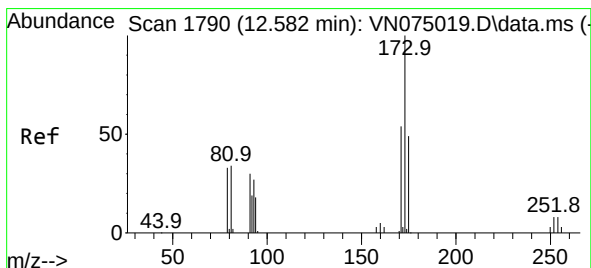
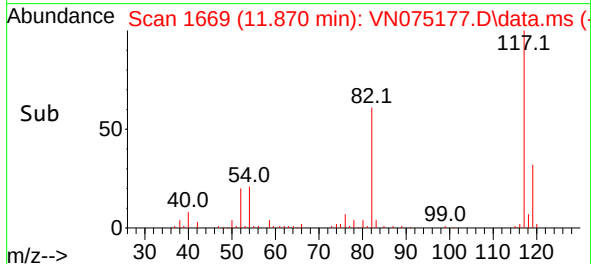
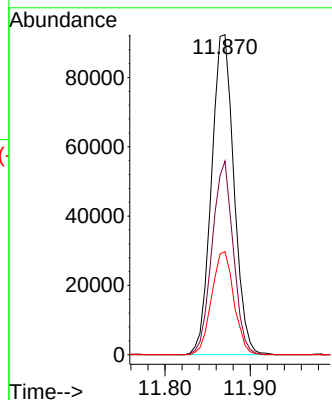
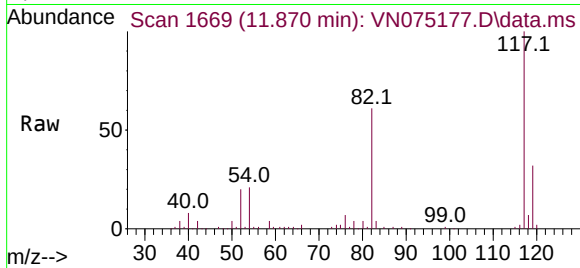




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

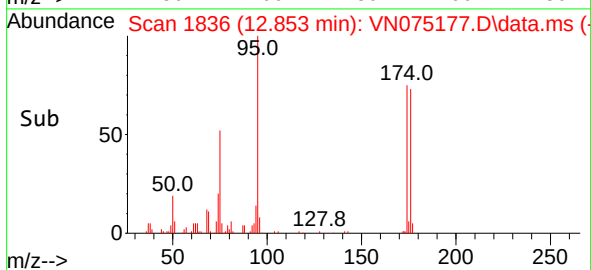
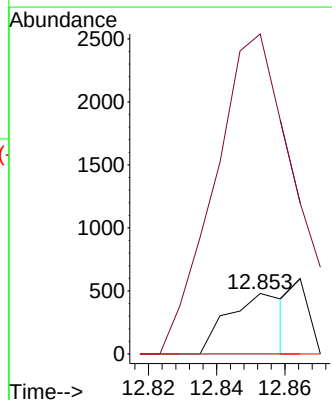
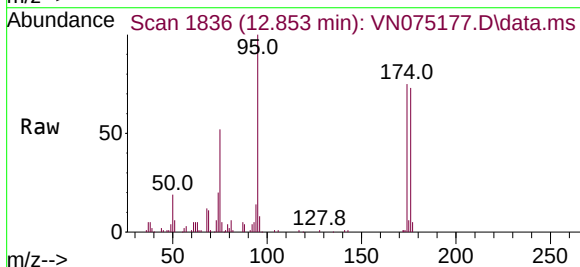
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

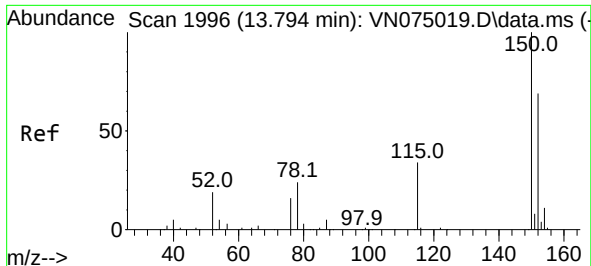
Tgt Ion:117 Resp: 169078
Ion Ratio Lower Upper
117 100
82 60.5 43.1 64.7
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.550 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion:173 Resp: 551
Ion Ratio Lower Upper
173 100
175 616.5 24.6 74.0#
254 0.0 0.0 0.0

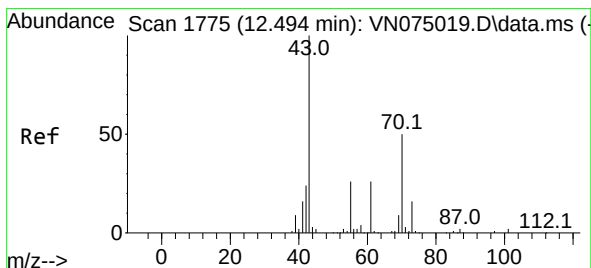
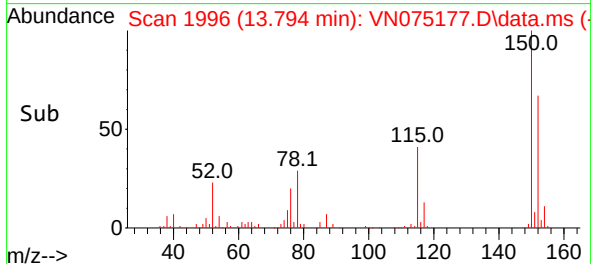
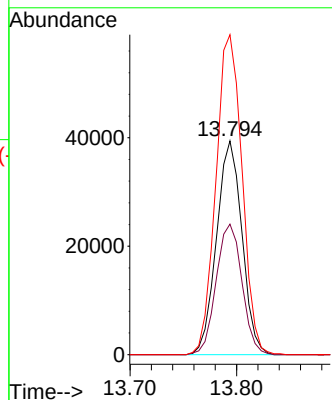
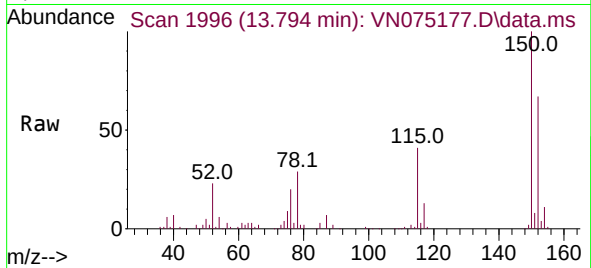




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

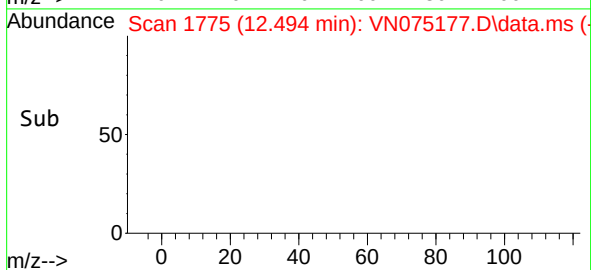
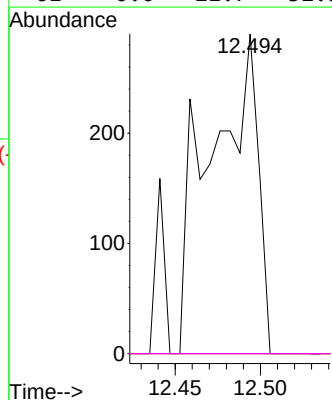
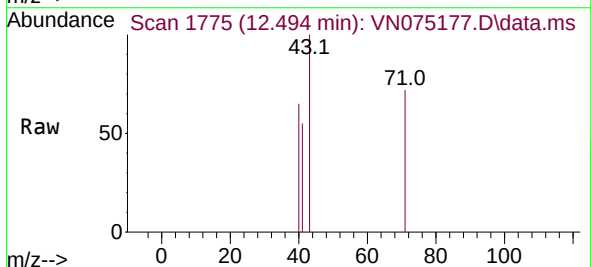
Instrument :
MSVOA_N
ClientSampleId :
PTS-SOIL-PILE-1103

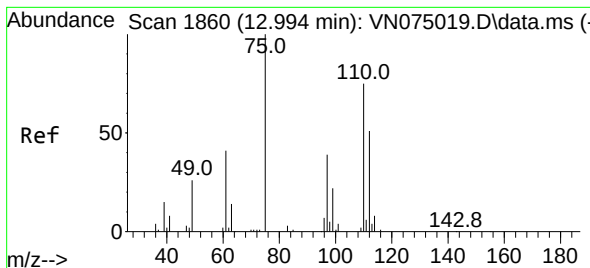
Tgt Ion:152 Resp: 65440
Ion Ratio Lower Upper
152 100
115 61.8 30.2 90.6
150 153.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.290 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN075177.D
Acq: 04 Nov 2022 16:09

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#





#76

1,2,3-Trichloropropane

Concen: 27.480 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

Instrument :

MSVOA_N

ClientSampleId :

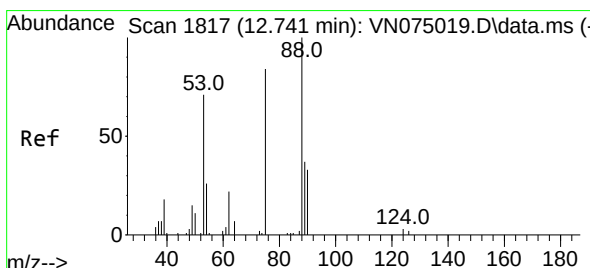
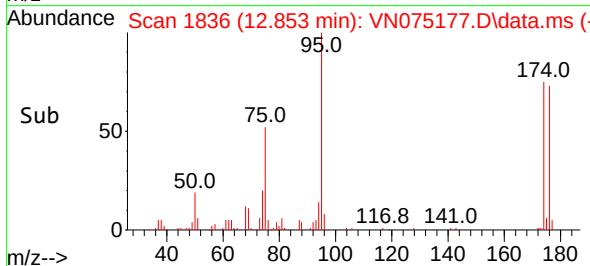
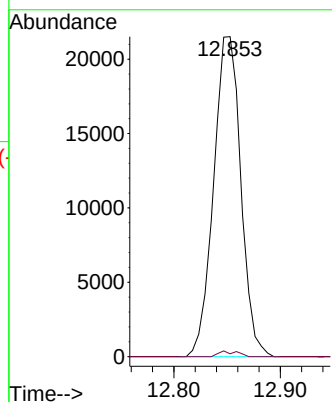
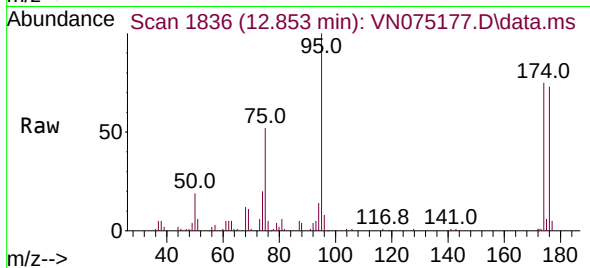
PTS-SOIL-PILE-1103

Tgt Ion: 75 Resp: 38182

Ion Ratio Lower Upper

75 100

77 1.2 75.6 226.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.540 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN075177.D

Acq: 04 Nov 2022 16:09

Tgt Ion: 75 Resp: 38182

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.7 56.5#

