

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071096.D
 Acq On : 28 Feb 2022 15:18
 Operator : JC\MD
 Sample : N1650-01ME
 Misc : 5.02g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)

Quant Time: Feb 28 16:10:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

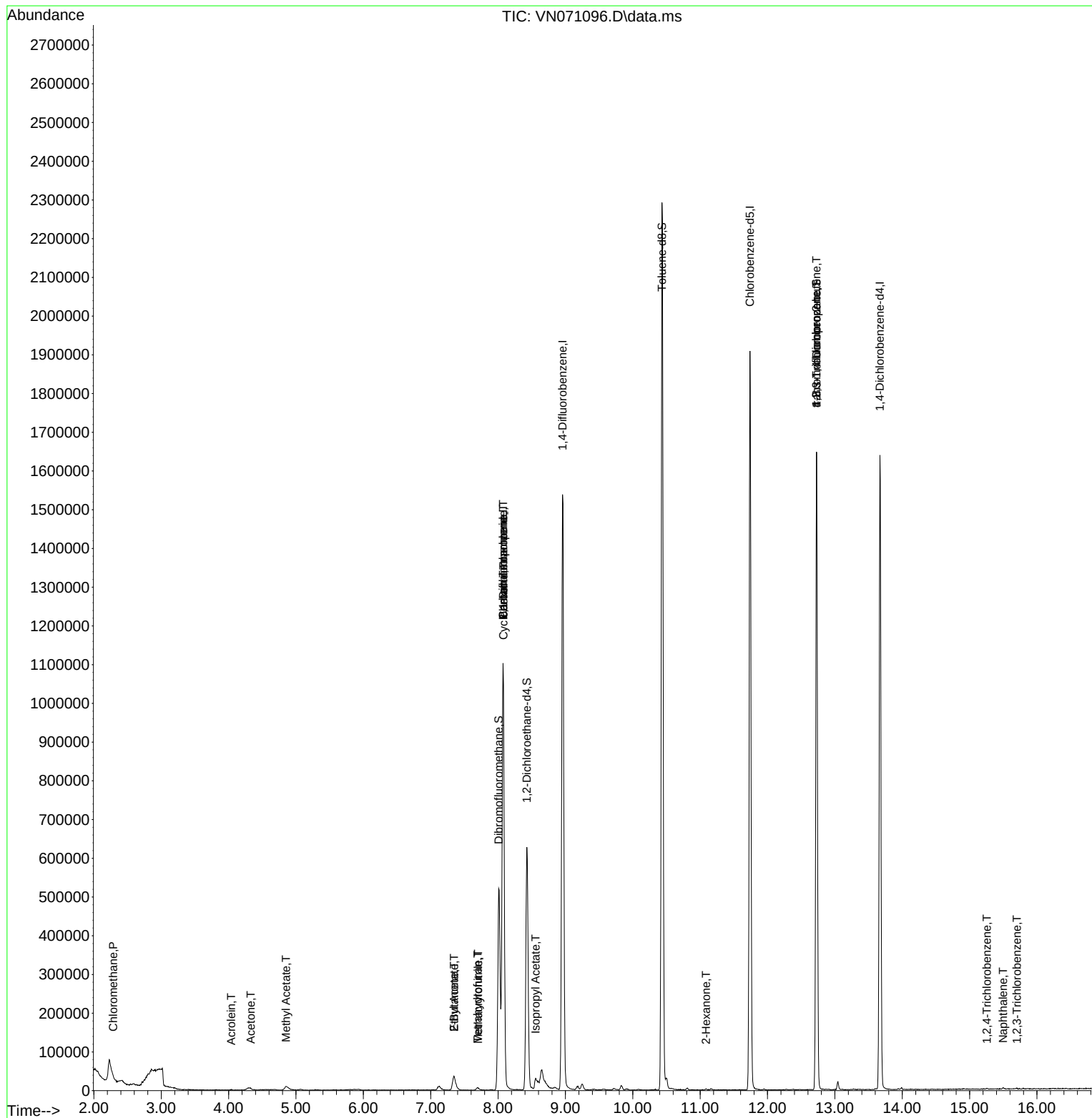
Internal Standards						
1) Pentafluorobenzene	8.075	168	875371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.957	114	1390485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1118767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	465951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	532968	53.299	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.600%			
35) Dibromofluoromethane	8.010	113	394533	47.703	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.400%			
50) Toluene-d8	10.433	98	1616240	48.661	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.727	95	578178	48.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.287	50	2614	0.229	ug/l	93
13) Acrolein	4.040	56	335	0.206	ug/l #	14
16) Acetone	4.328	43	7129	1.295	ug/l	97
18) Methyl Acetate	4.851	43	27156	1.670	ug/l #	86
25) 2-Butanone	7.345	43	79566	10.861	ug/l	98
29) Tetrahydrofuran	7.698	42	6174	1.301	ug/l #	69
31) Cyclohexane	8.081	56	17723	1.025	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	67270	4.965	ug/l #	48
37) Ethyl Acetate	7.345	43	79566	5.475	ug/l #	68
38) Carbon Tetrachloride	8.075	117	86583	6.485	ug/l #	17
41) Methacrylonitrile	7.704	41	3232	0.422	ug/l #	36
43) Isopropyl Acetate	8.557	43	34580	1.510	ug/l #	57
59) 2-Hexanone	11.086	43	2230	0.233	ug/l	66
76) 1,2,3-Trichloropropane	12.727	75	291091	26.533	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	291091	85.979	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	999	2.111	ug/l #	78
95) Naphthalene	15.498	128	3488	5.140	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.704	180	662	2.595	ug/l #	73

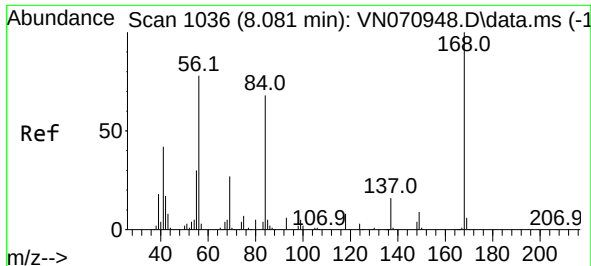
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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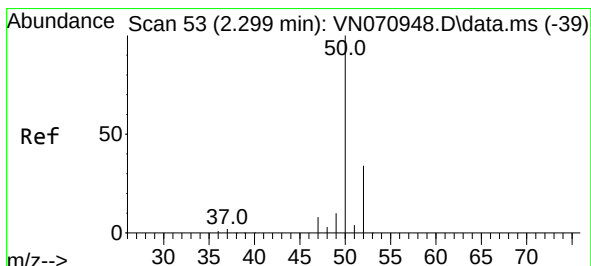
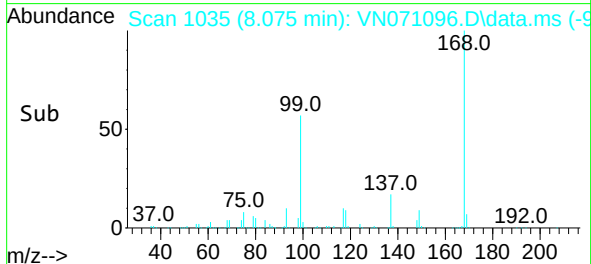
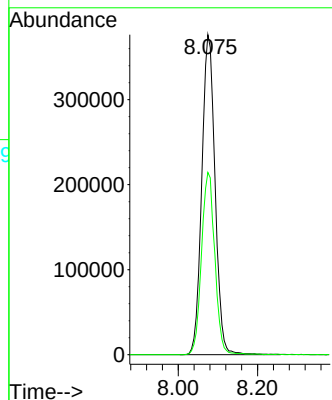
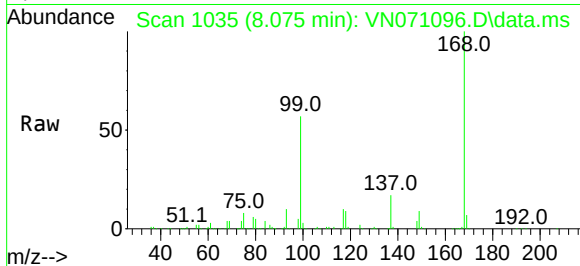




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

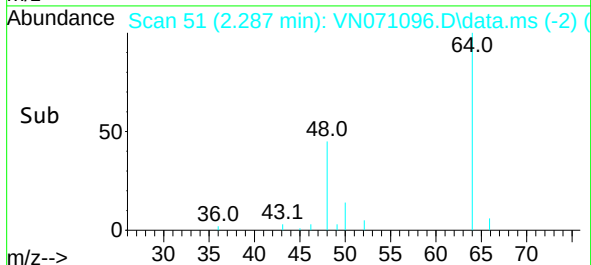
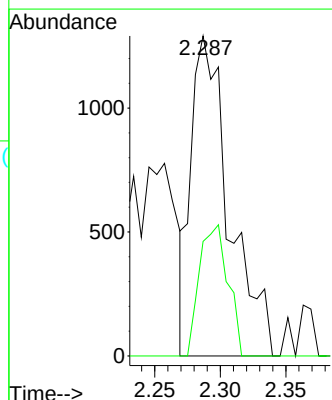
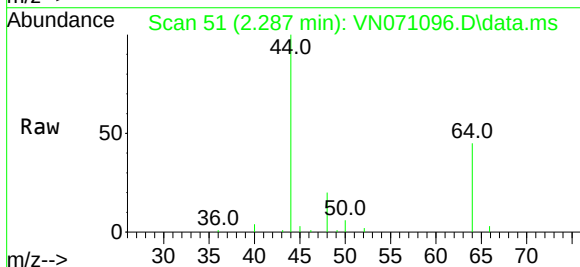
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

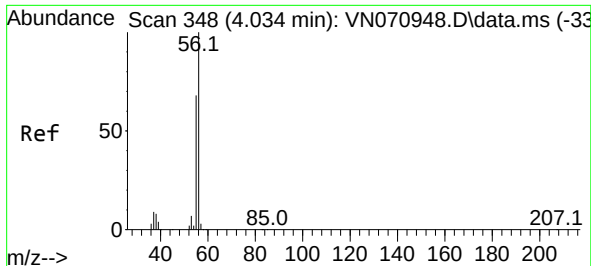
Tgt Ion:168 Resp: 875371
Ion Ratio Lower Upper
168 100
99 56.9 41.3 61.9



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 50 Resp: 2614
Ion Ratio Lower Upper
50 100
52 35.8 25.4 38.0

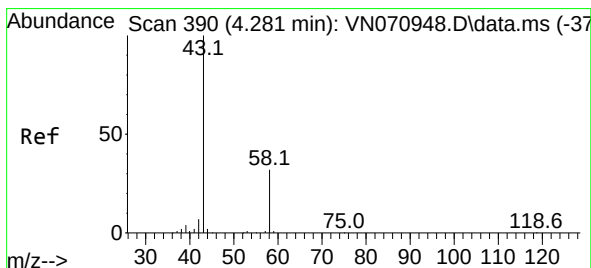
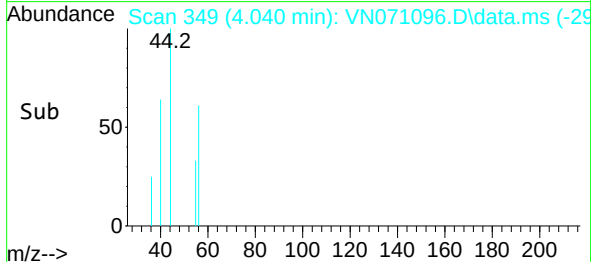
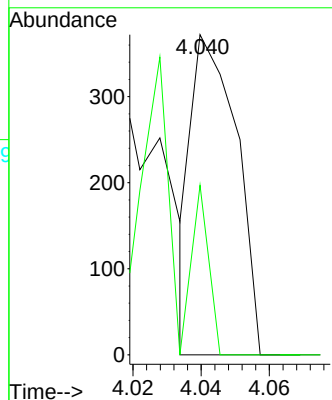
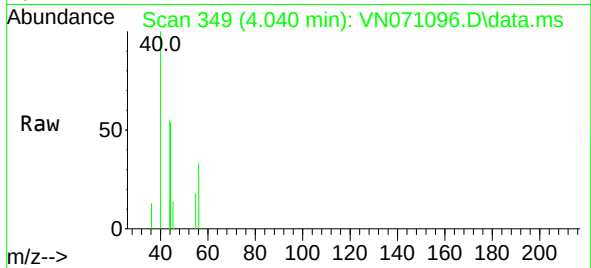




#13
Acrolein
Concen: 0.206 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

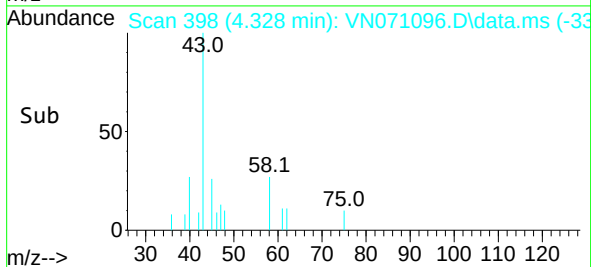
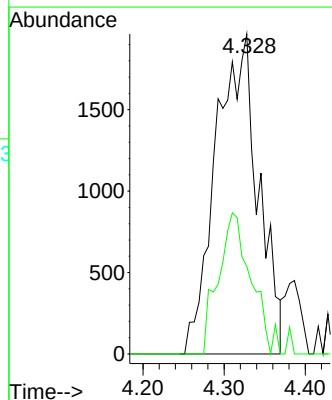
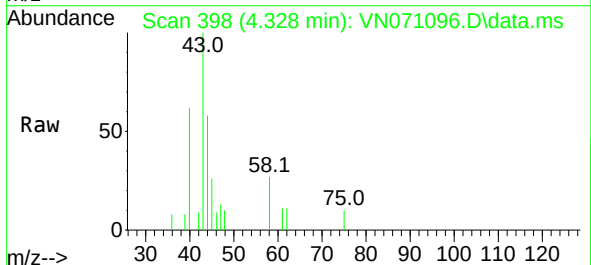
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

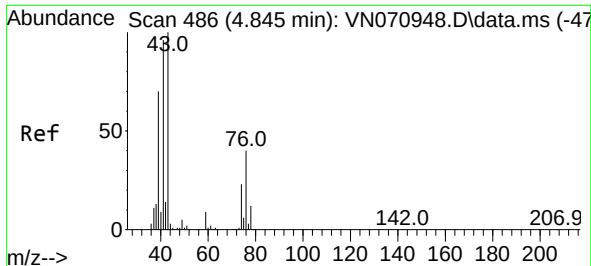
Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 1.295 ug/l
RT: 4.328 min Scan# 398
Delta R.T. 0.047 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 43 Resp: 7129
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7

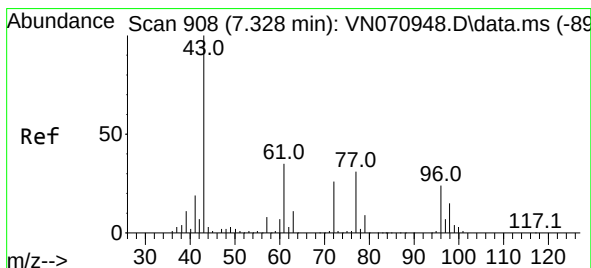
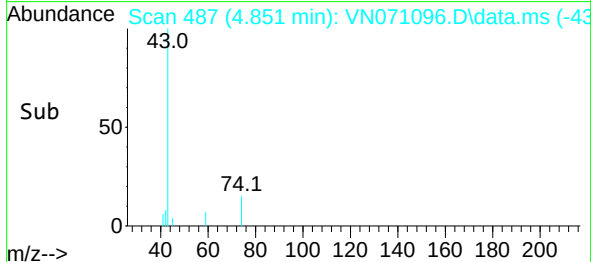
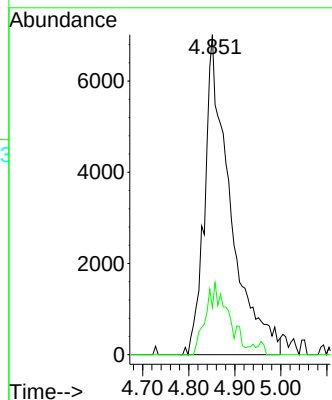
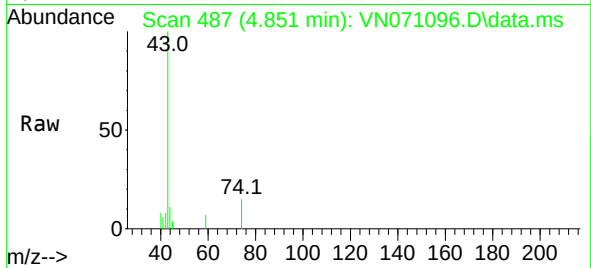




#18
Methyl Acetate
Concen: 1.670 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

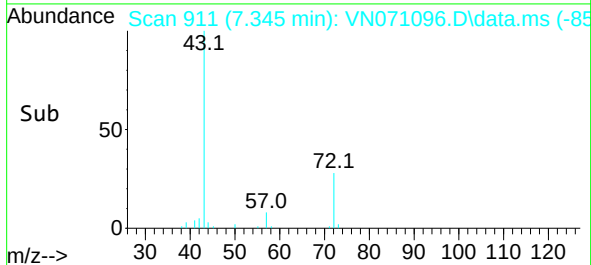
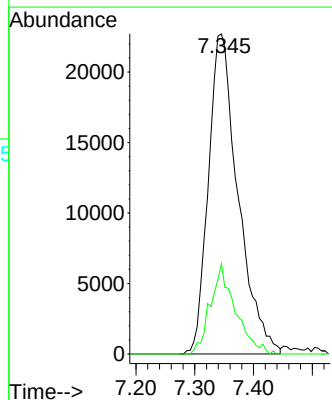
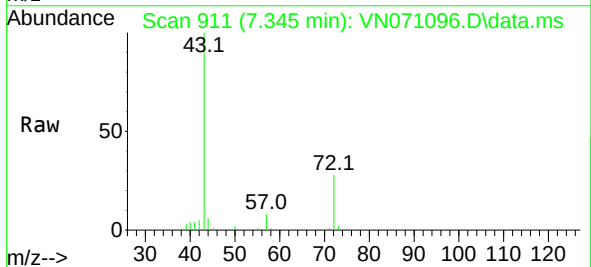
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

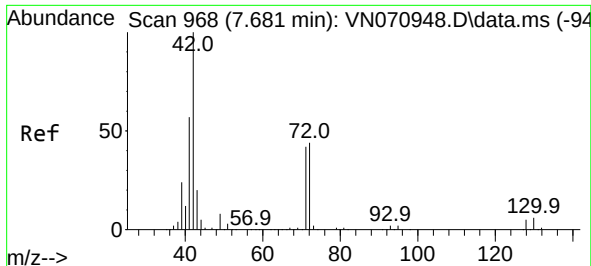
Tgt Ion: 43 Resp: 27156
Ion Ratio Lower Upper
43 100
74 17.5 19.4 29.2#



#25
2-Butanone
Concen: 10.861 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 43 Resp: 79566
Ion Ratio Lower Upper
43 100
72 28.2 21.7 32.5





#29

Tetrahydrofuran

Concen: 1.301 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

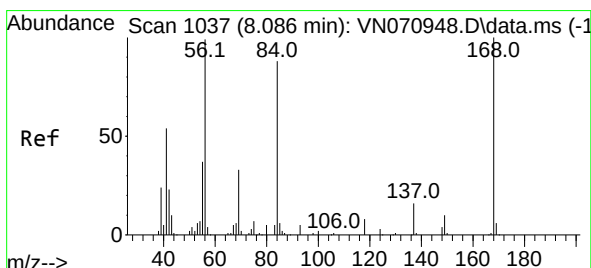
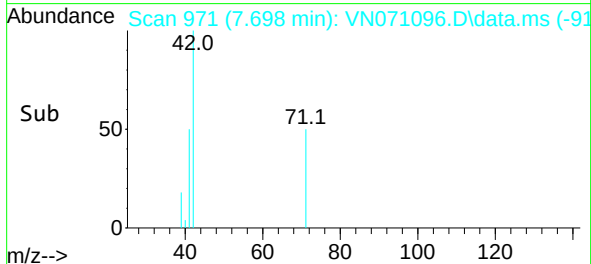
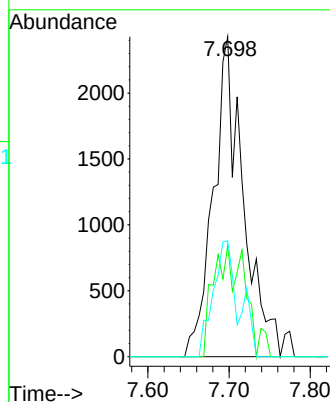
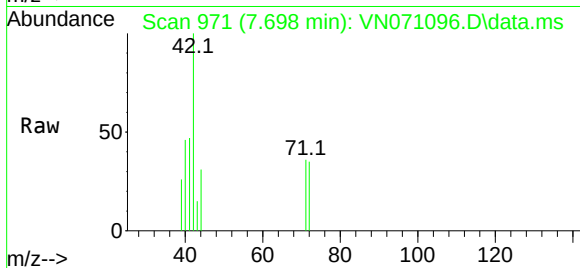
Tgt Ion: 42 Resp: 6174

Ion Ratio Lower Upper

42 100

72 21.7 36.3 54.5#

71 26.4 34.7 52.1#



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

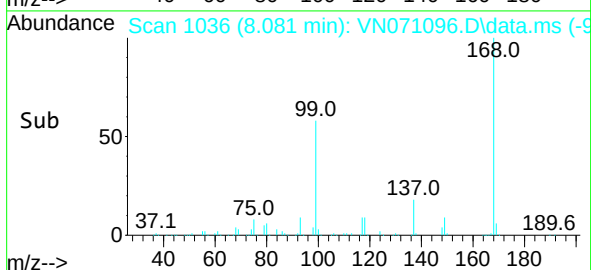
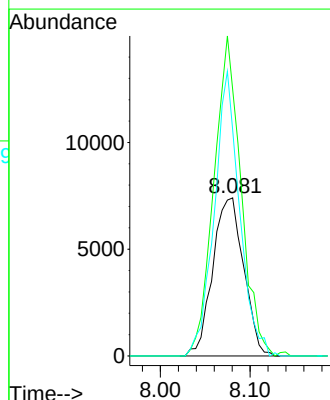
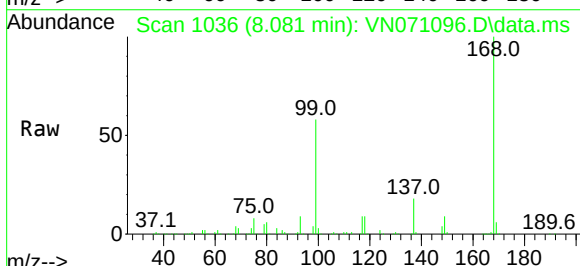
Tgt Ion: 56 Resp: 17723

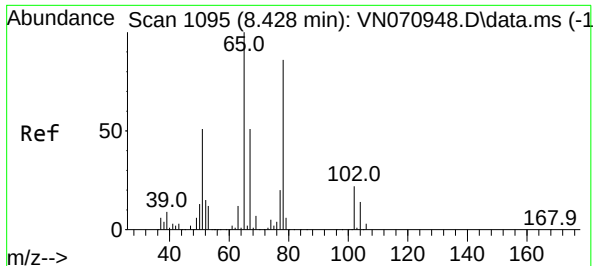
Ion Ratio Lower Upper

56 100

69 168.5 27.1 40.7#

84 143.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.299 ug/l

RT: 8.428 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

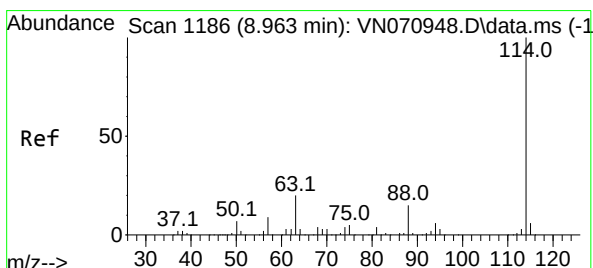
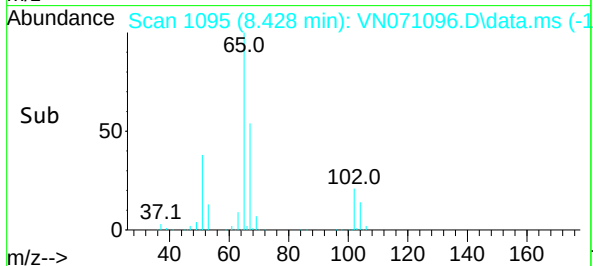
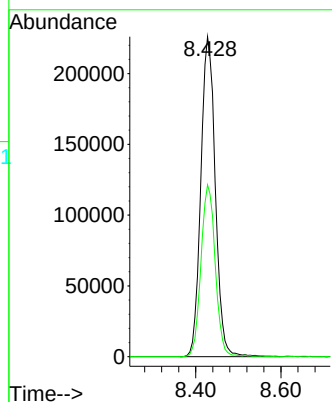
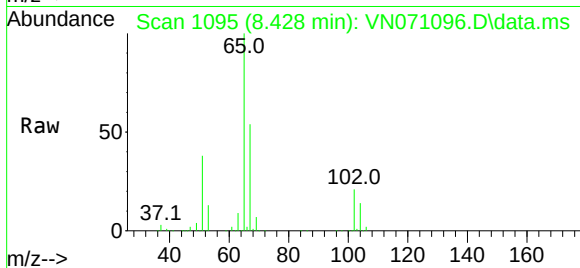
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion: 65 Resp: 532968

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.957 min Scan# 1185

Delta R.T. -0.006 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

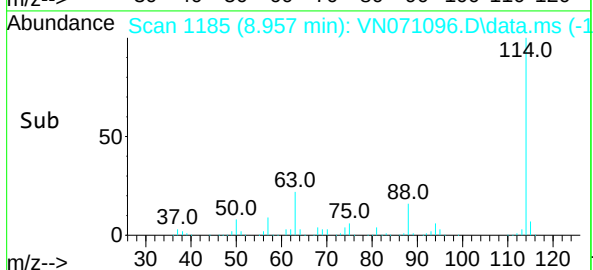
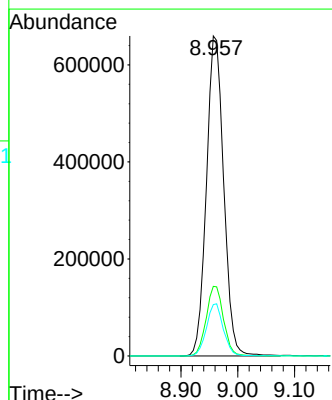
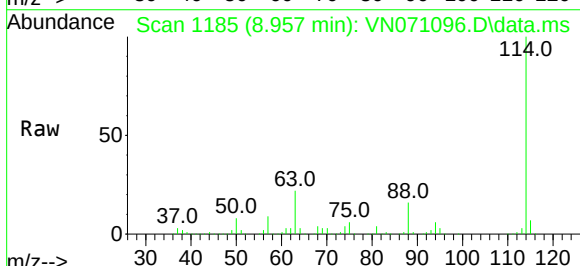
Tgt Ion: 114 Resp: 1390485

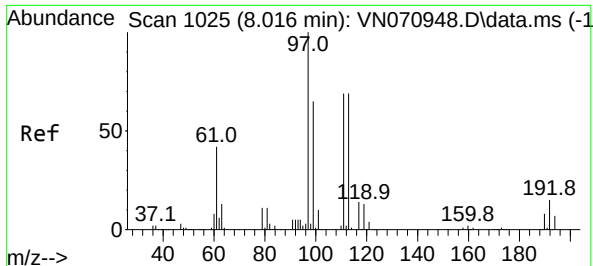
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.1 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.703 ug/l

RT: 8.010 min Scan# 1035

Delta R.T. -0.006 min

Lab File: VN071096.D

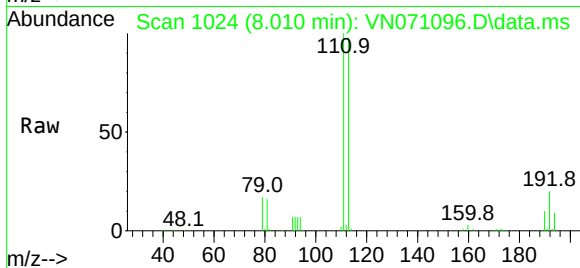
Acq: 28 Feb 2022 15:18

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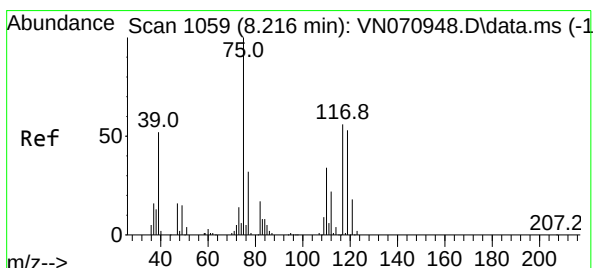
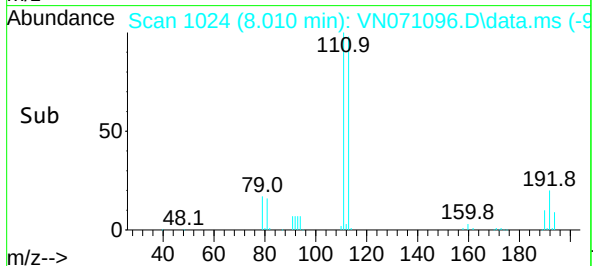
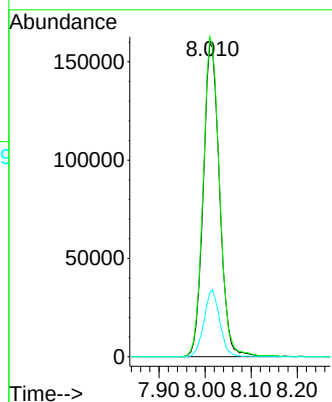
Tgt Ion:113 Resp: 394533

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

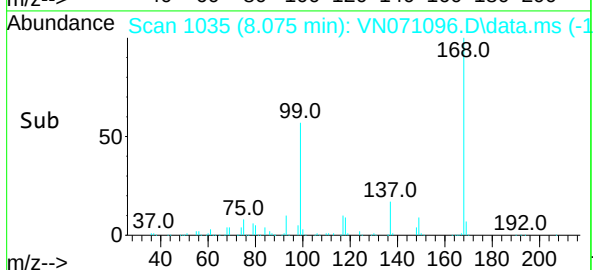
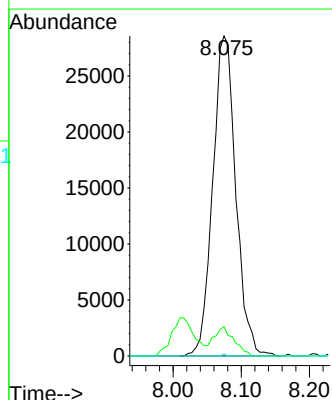
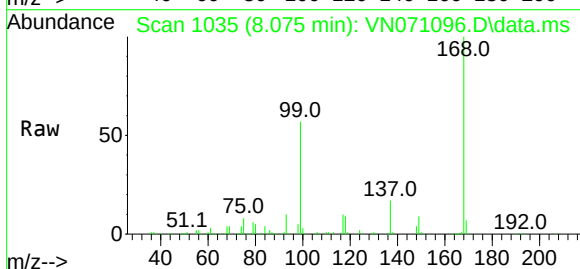
Tgt Ion: 75 Resp: 67270

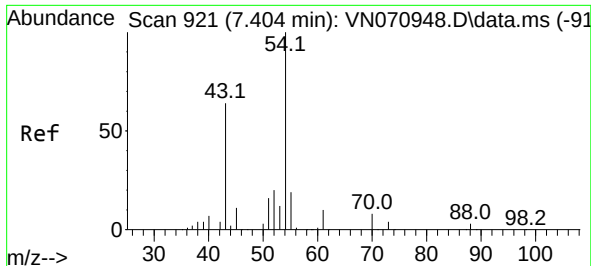
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.1 24.4 36.6#

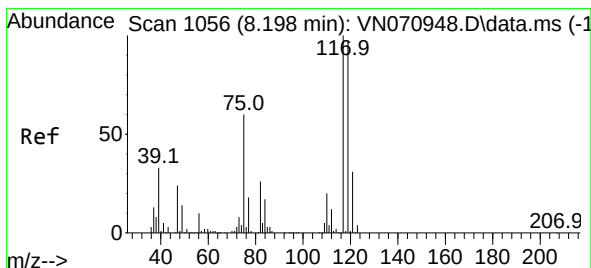
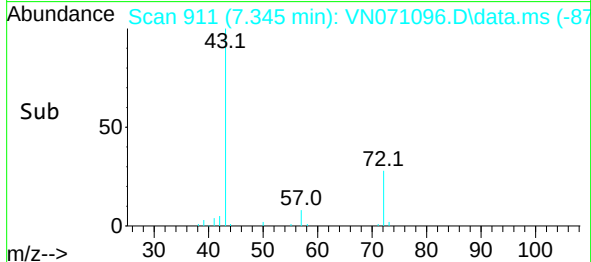
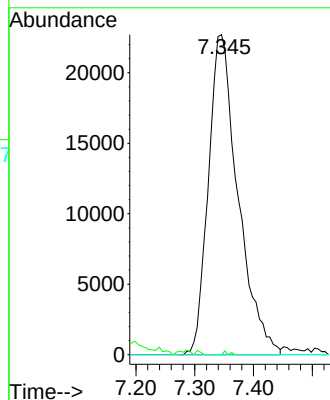
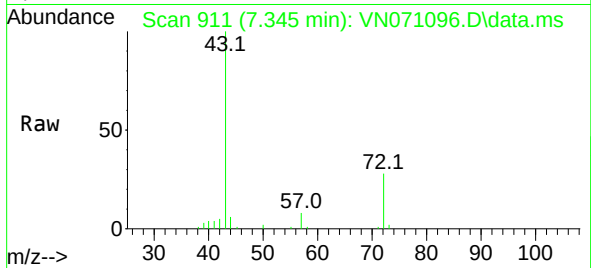




#37
Ethyl Acetate
Concen: 5.475 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

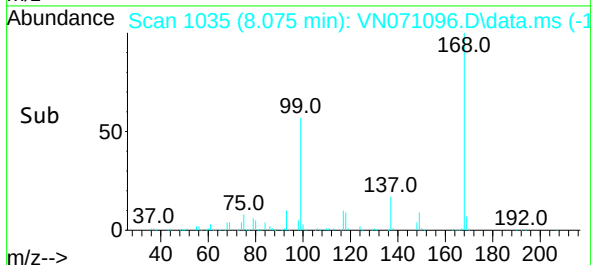
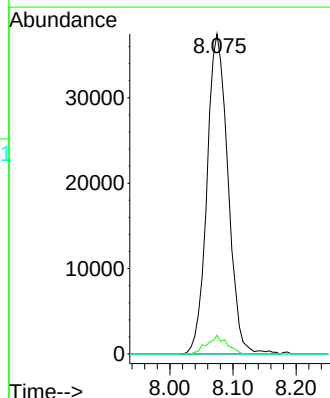
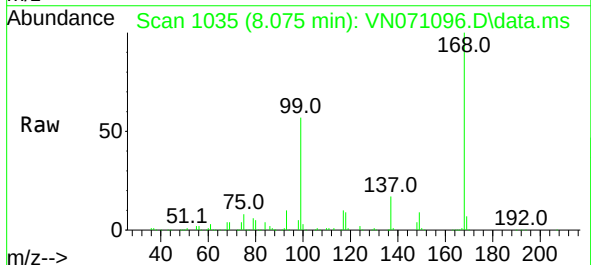
Instrument : MSVOA_N
ClientSampleId : SW-SURFICIAL-SOIL-(SW-SS)

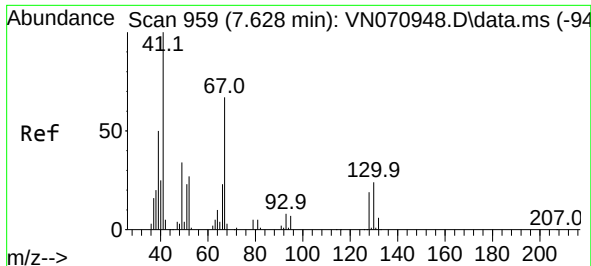
Tgt Ion: 43 Resp: 79566
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.124 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 117 Resp: 86583
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#

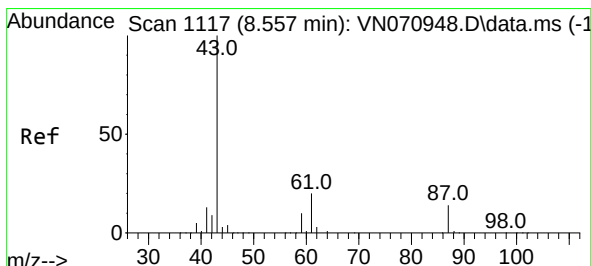
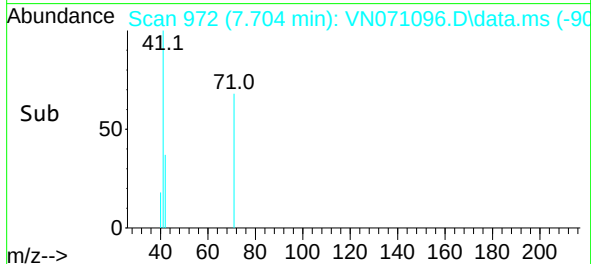
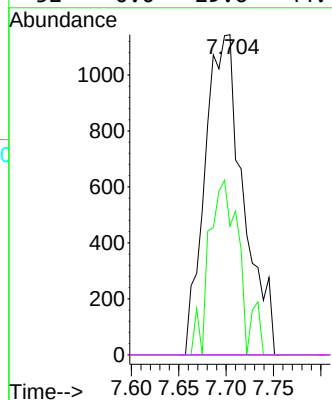
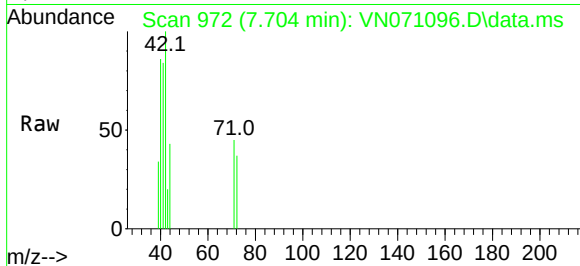




#41
Methacrylonitrile
Concen: 0.422 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.076 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

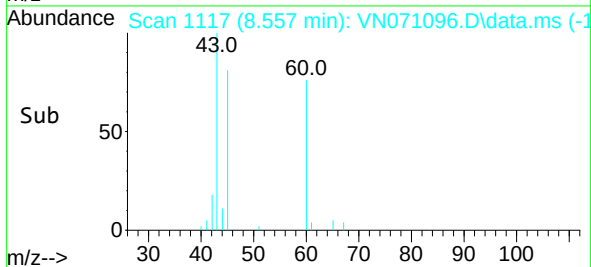
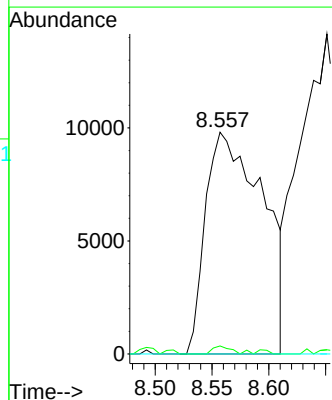
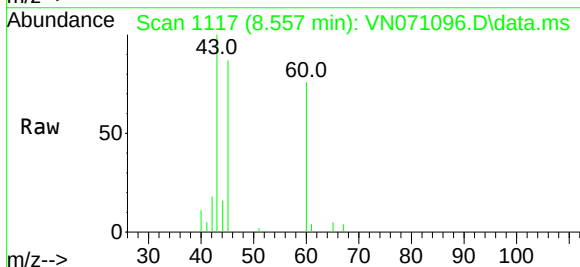
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

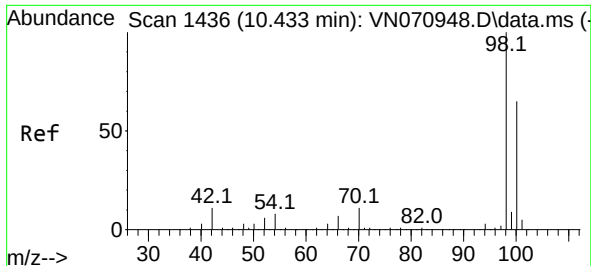
Tgt Ion: 41 Resp: 3232
Ion Ratio Lower Upper
41 100
39 43.3 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#43
Isopropyl Acetate
Concen: 1.510 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 43 Resp: 34580
Ion Ratio Lower Upper
43 100
61 1.1 20.4 30.6#
87 0.0 11.2 16.8#

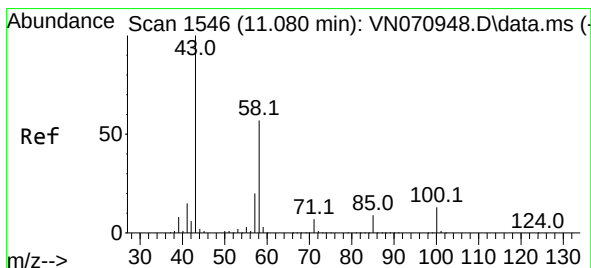
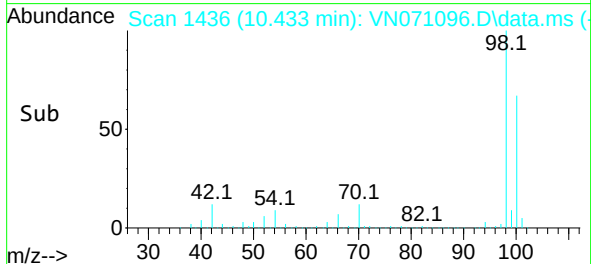
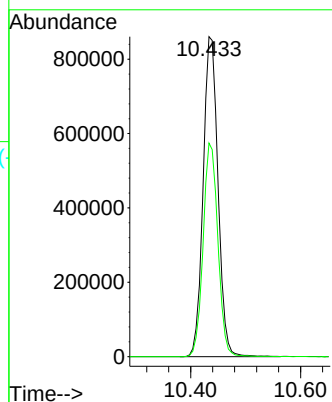
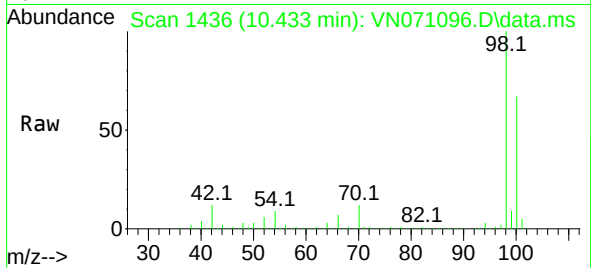




#50
Toluene-d8
Concen: 48.661 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.000 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

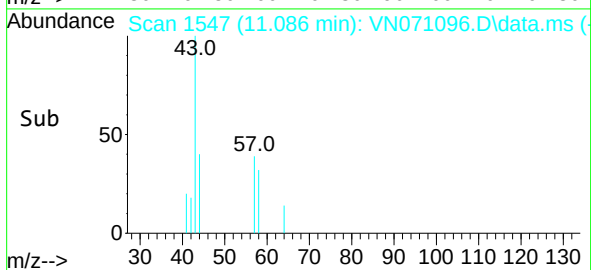
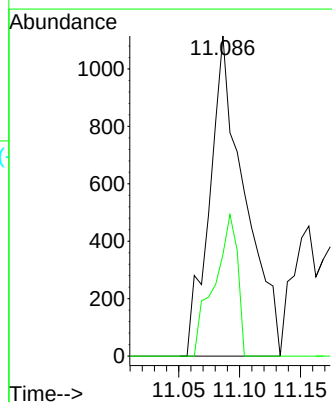
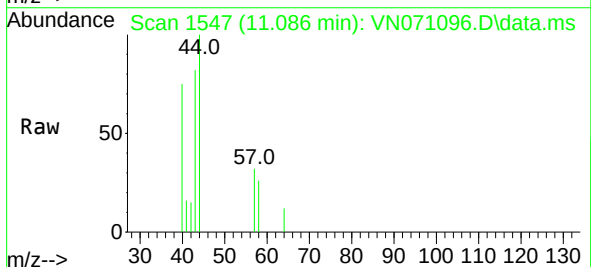
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

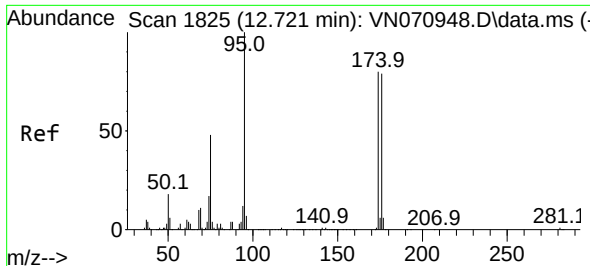
Tgt Ion: 98 Resp: 1616240
Ion Ratio Lower Upper
98 100
100 66.2 50.4 75.6



#59
2-Hexanone
Concen: 0.233 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
58 29.5 26.9 80.7

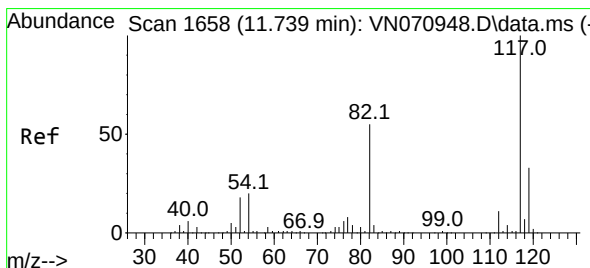
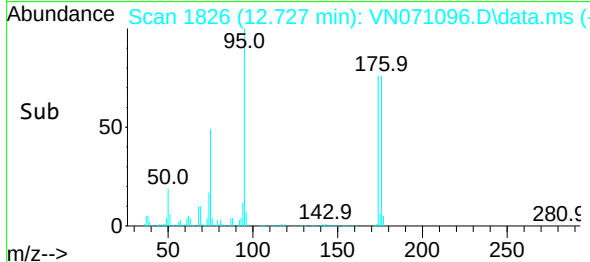
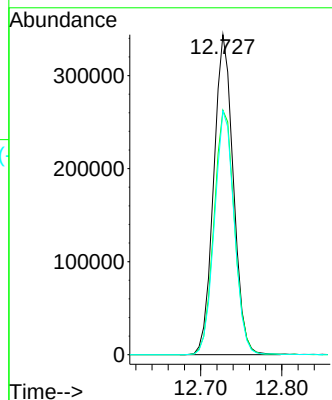
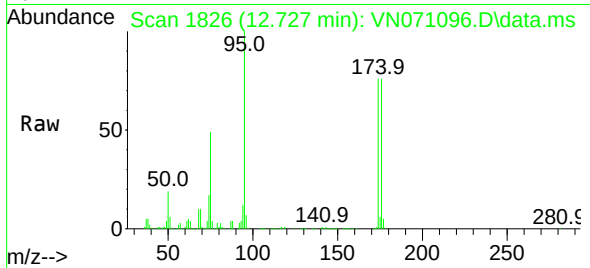




#62
4-Bromofluorobenzene
Concen: 48.700 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

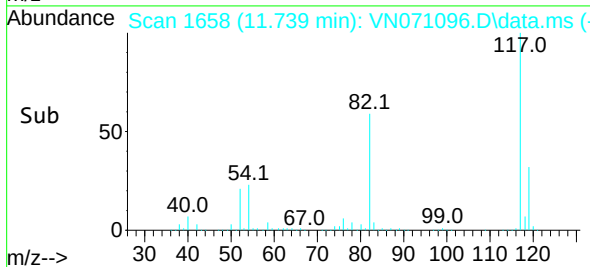
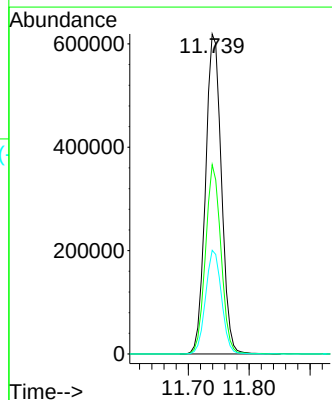
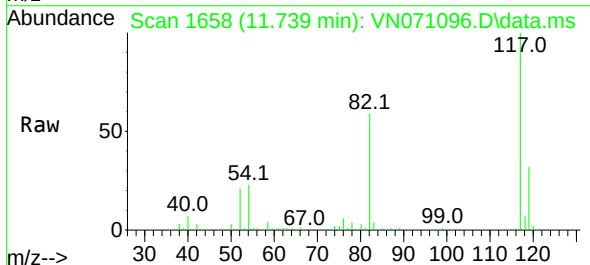
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

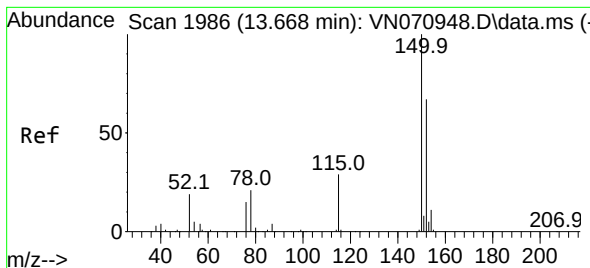
Tgt Ion: 95 Resp: 578178
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion: 117 Resp: 1118767
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

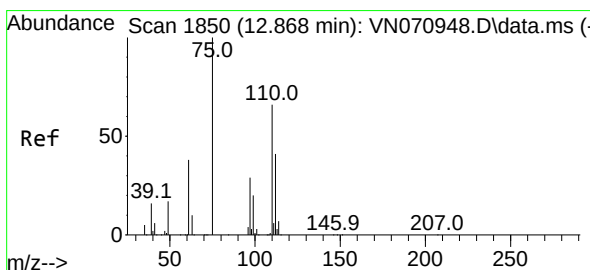
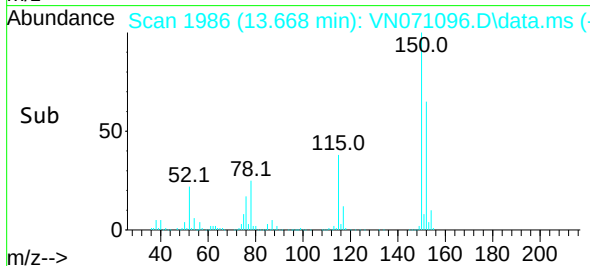
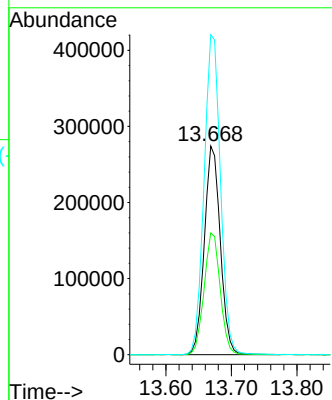
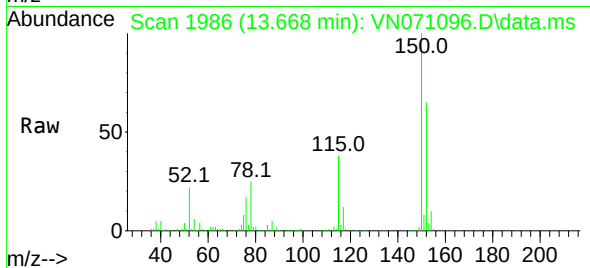
Tgt Ion:152 Resp: 465951

Ion Ratio Lower Upper

152 100

115 58.8 27.5 82.5

150 157.4 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 26.533 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.141 min

Lab File: VN071096.D

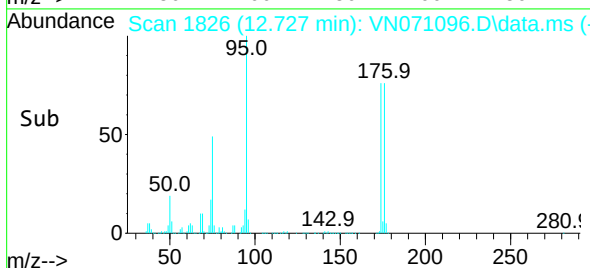
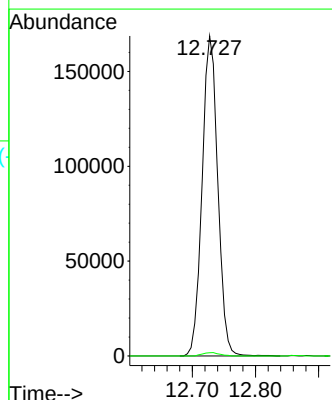
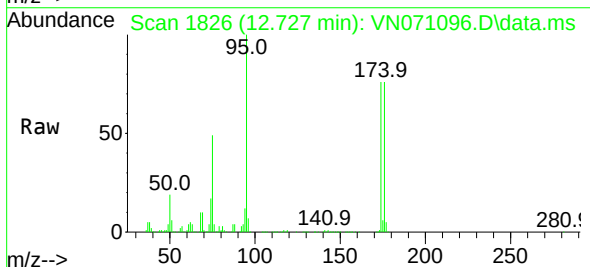
Acq: 28 Feb 2022 15:18

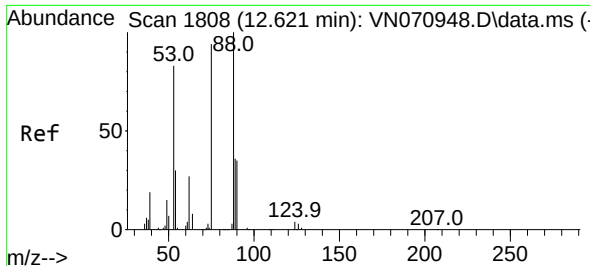
Tgt Ion: 75 Resp: 291091

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#

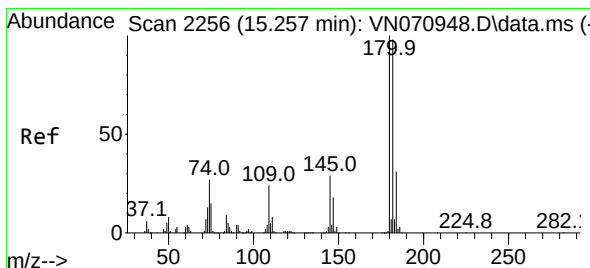
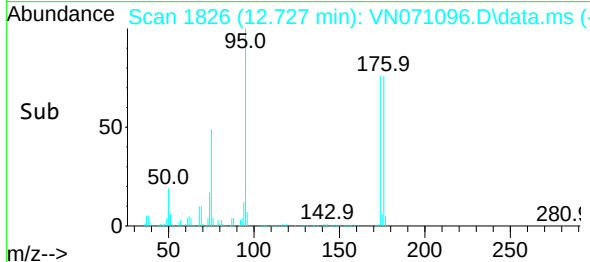
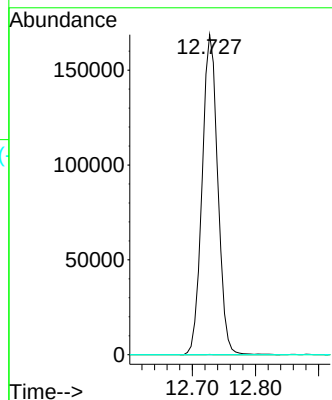
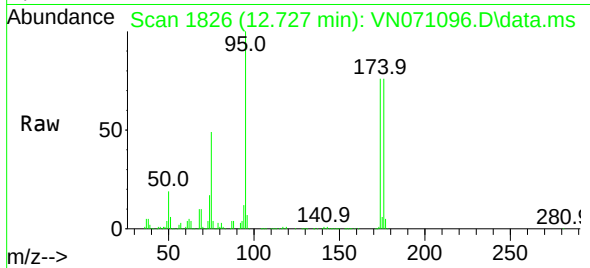




#81
trans-1,4-Dichloro-2-butene
Concen: 85.979 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

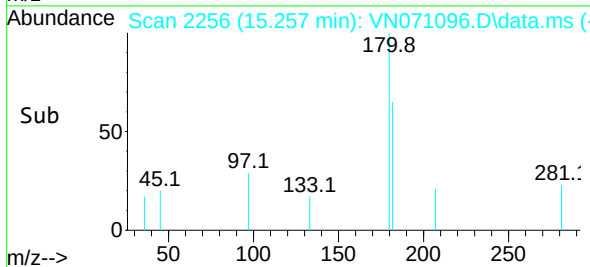
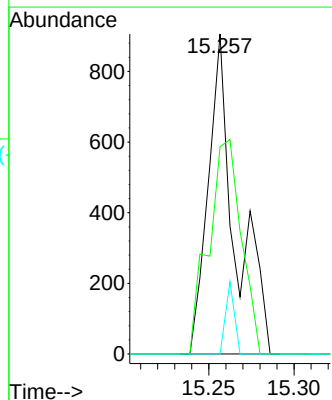
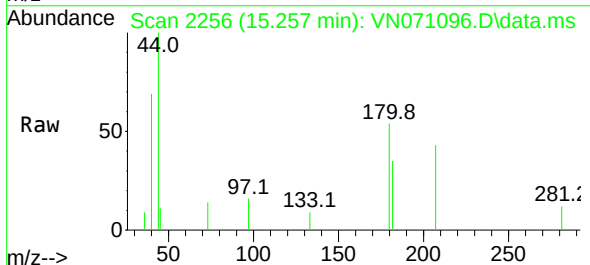
Instrument :
MSVOA_N
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

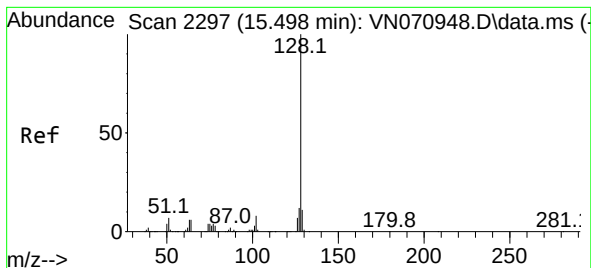
Tgt Ion: 75 Resp: 291091
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.111 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071096.D
Acq: 28 Feb 2022 15:18

Tgt Ion:180 Resp: 999
Ion Ratio Lower Upper
180 100
182 81.0 48.3 144.9
145 7.2 14.5 43.5#





#95

Naphthalene

Concen: 5.140 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

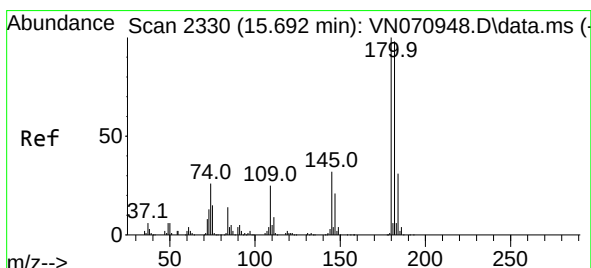
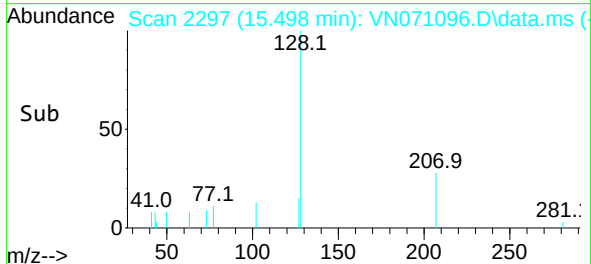
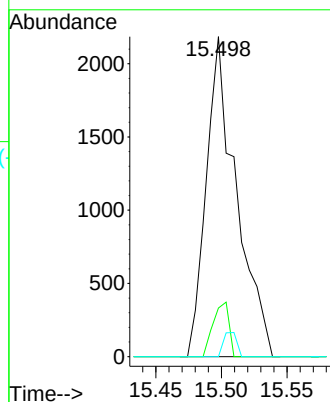
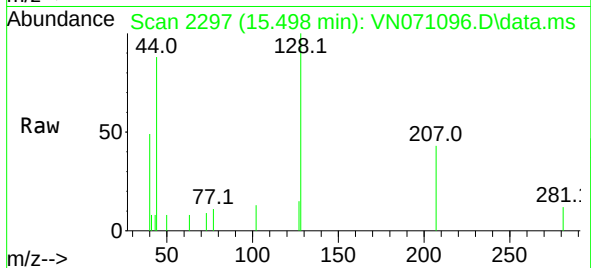
Instrument :

MSVOA_N

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:	128	Resp:	3488
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.5	15.7#
129	3.3	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.595 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN071096.D

Acq: 28 Feb 2022 15:18

Tgt Ion:	180	Resp:	662
Ion	Ratio	Lower	Upper
180	100		
182	117.5	47.4	142.2
145	8.9	15.0	45.1#

