

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022822\
 Data File : VD072118.D
 Acq On : 28 Feb 2022 13:06
 Operator : VA/SY
 Sample : N1650-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 28 16:29:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

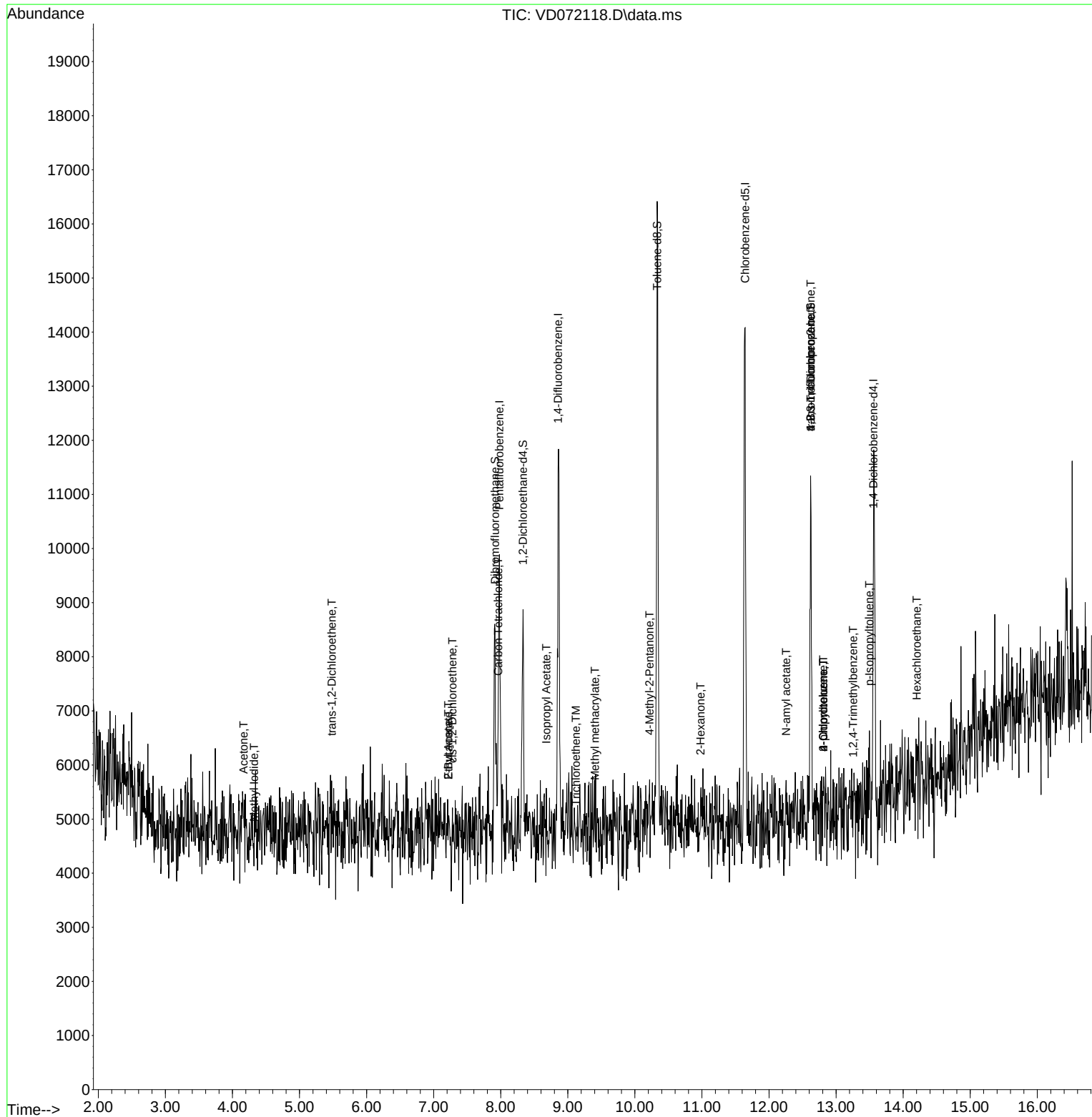
Internal Standards						
1) Pentafluorobenzene	7.979	168	4232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	7047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	5966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	2183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	2888	65.788	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.580%
35) Dibromofluoromethane	7.914	113	2637	61.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.520%
50) Toluene-d8	10.332	98	7345	46.389	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.780%
62) 4-Bromofluorobenzene	12.620	95	2567	44.137	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.280%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.321	142	60	4.100	ug/l #	40
16) Acetone	4.168	43	554	58.394	ug/l #	45
21) trans-1,2-Dichloroethene	5.479	96	61	1.404	ug/l #	1
25) 2-Butanone	7.220	43	113	8.618	ug/l #	50
27) cis-1,2-Dichloroethene	7.279	96	59	1.185	ug/l #	1
37) Ethyl Acetate	7.220	43	113	3.768	ug/l #	71
38) Carbon Tetrachloride	7.962	117	182	2.746	ug/l #	12
43) Isopropyl Acetate	8.679	43	57	1.021	ug/l #	51
44) Trichloroethene	9.120	130	54	1.086	ug/l	1
48) Methyl methacrylate	9.403	41	71	2.517	ug/l #	18
51) 4-Methyl-2-Pentanone	10.220	43	53	1.791	ug/l #	37
59) 2-Hexanone	10.979	43	69	3.418	ug/l #	25
74) N-amyl acetate	12.255	43	74	2.045	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	1266	61.225	ug/l #	100
78) n-propylbenzene	12.808	91	267	1.449	ug/l #	53
79) 2-Chlorotoluene	12.808	91	267	2.504	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.620	75	1266	153.320	ug/l #	10
82) 4-Chlorotoluene	12.808	91	267	2.406	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.255	105	131	1.065	ug/l #	31
86) p-Isopropyltoluene	13.496	119	137	1.017	ug/l #	50
90) Hexachloroethane	14.202	117	76	2.810	ug/l #	14

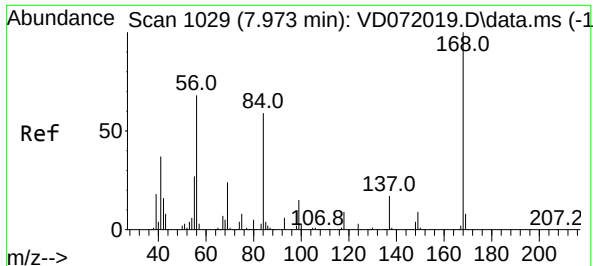
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 28 16:29:28 2022
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Response via : Initial Calibration

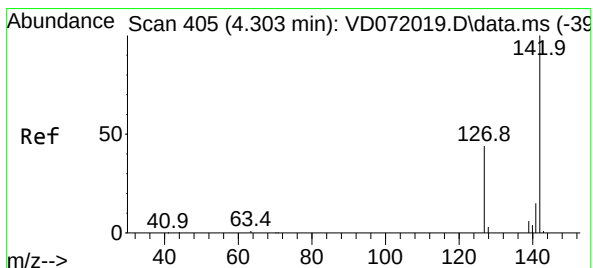
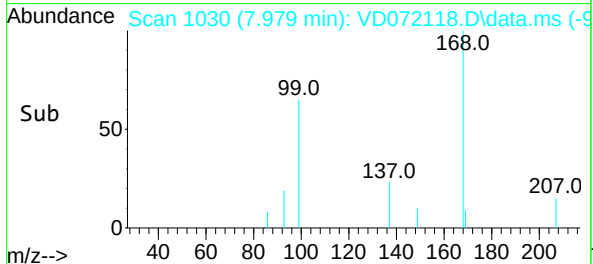
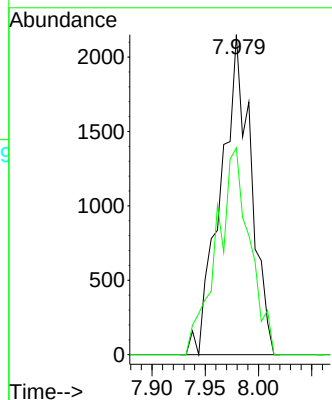
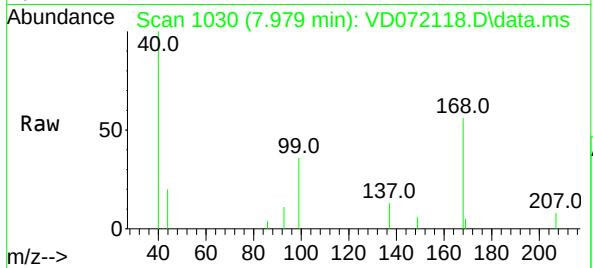




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

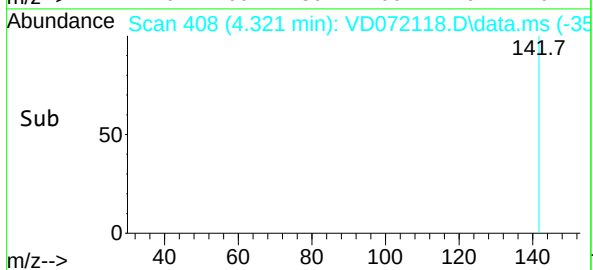
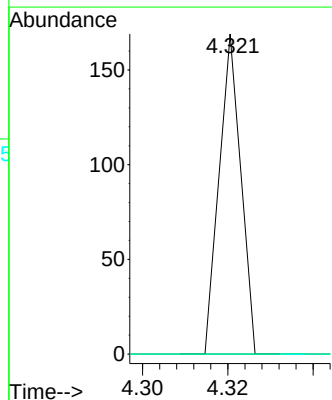
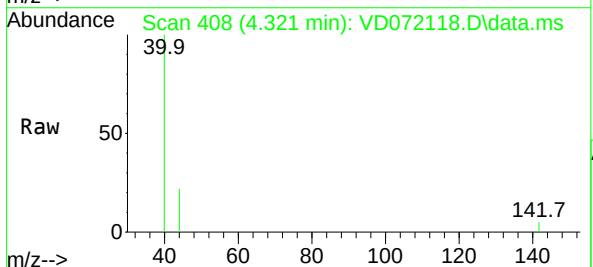
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

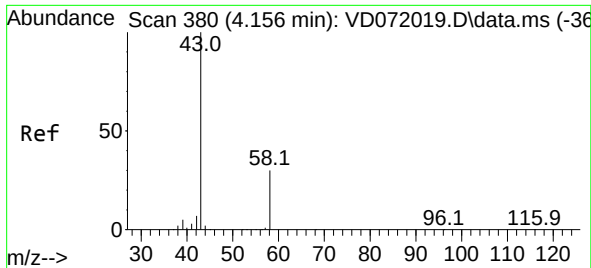
Tgt Ion:168 Resp: 4232
Ion Ratio Lower Upper
168 100
99 64.6 47.1 70.7



#10
Methyl Iodide
Concen: 4.100 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.018 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#

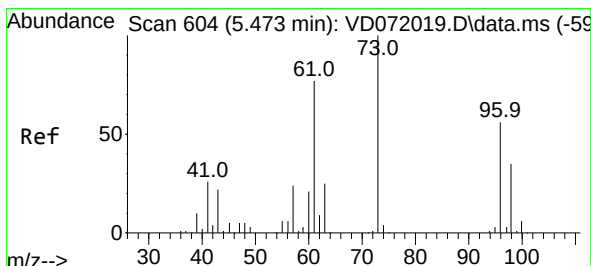
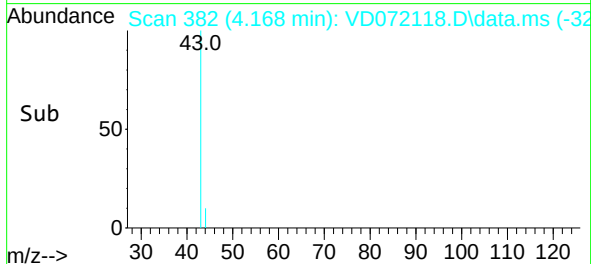
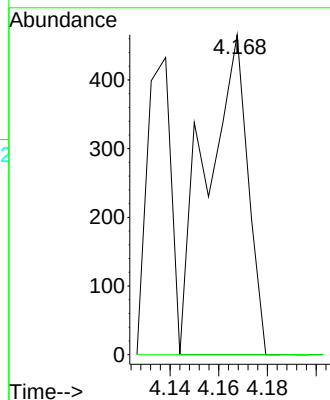
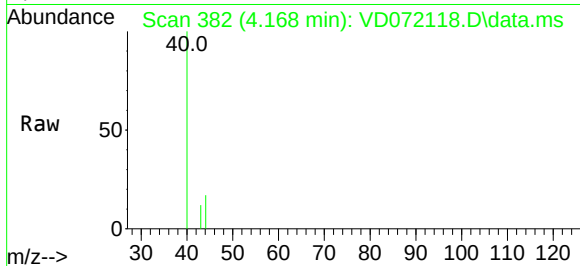




#16
Acetone
Concen: 58.394 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

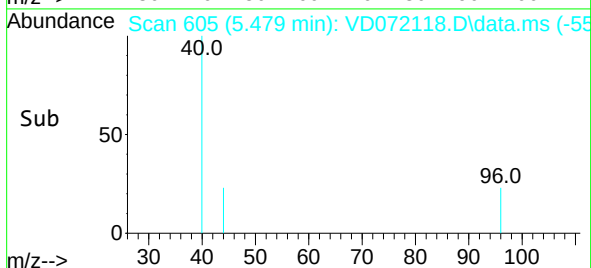
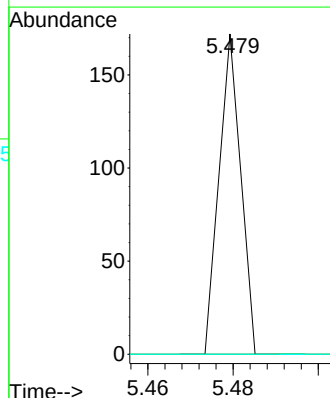
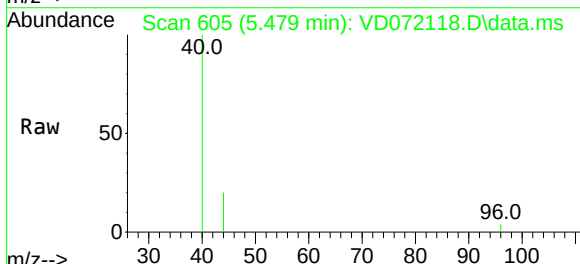
Instrument :
MSVOA_D
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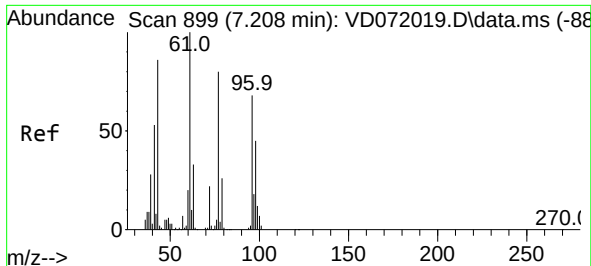
Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#21
trans-1,2-Dichloroethene
Concen: 1.404 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 109.4 164.0#
98 0.0 49.6 74.4#

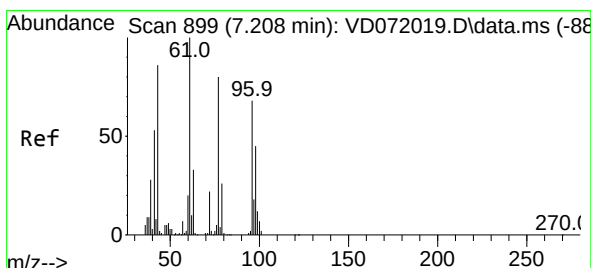
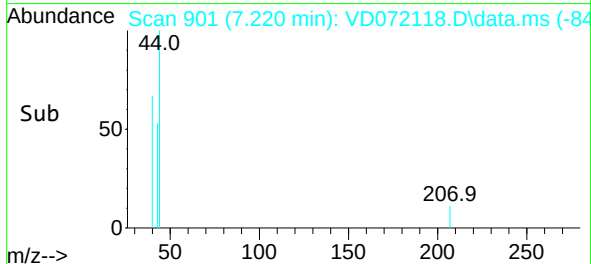
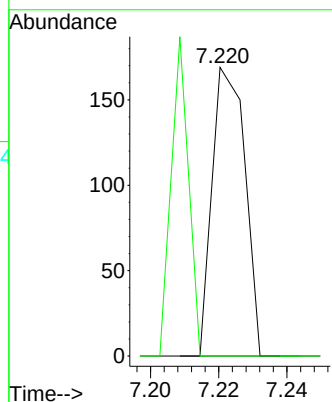
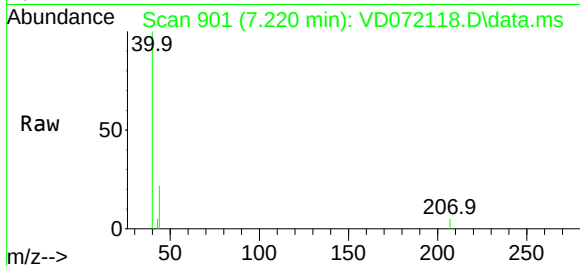




#25
2-Butanone
Concen: 8.618 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

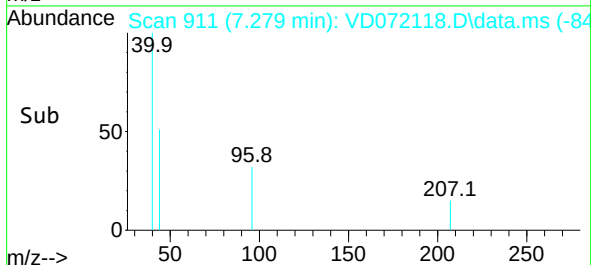
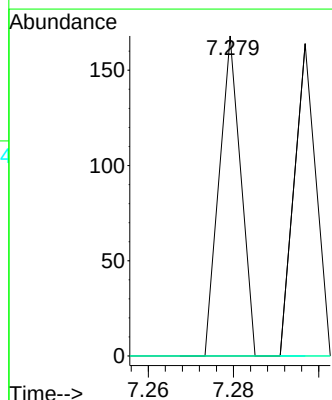
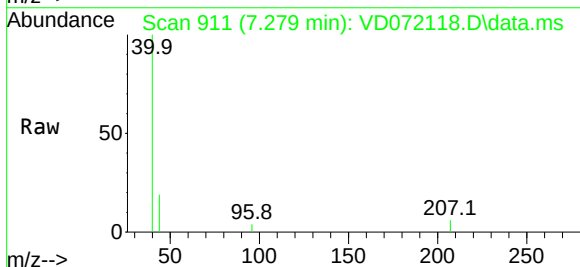
Instrument :
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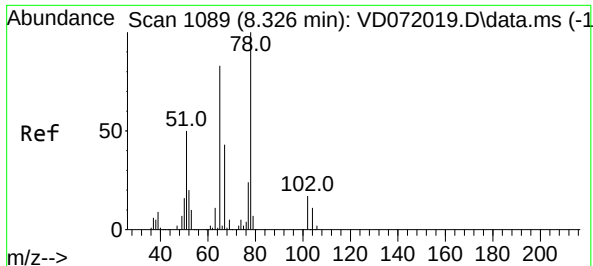
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



#27
cis-1,2-Dichloroethene
Concen: 1.185 ug/l
RT: 7.279 min Scan# 911
Delta R.T. 0.071 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 96 Resp: 59
Ion Ratio Lower Upper
96 100
61 0.0 0.0 295.6
98 0.0 0.0 129.8





#33

1,2-Dichloroethane-d4

Concen: 65.788 ug/l

RT: 8.332 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

Instrument :

MSVOA_D

ClientSampleId :

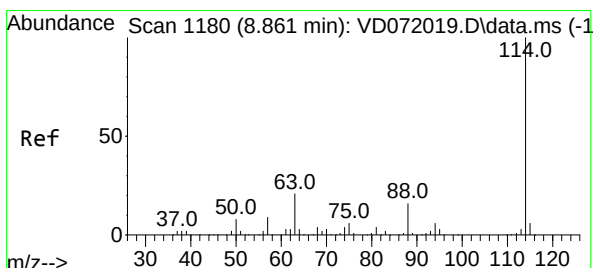
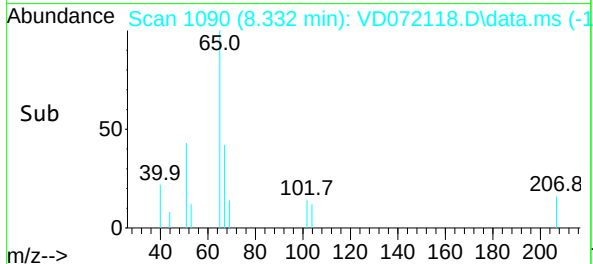
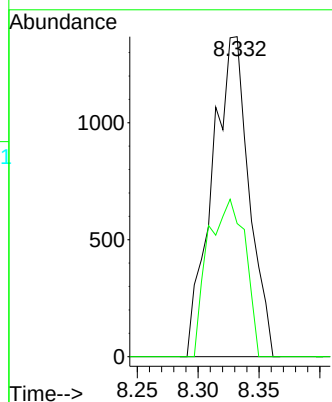
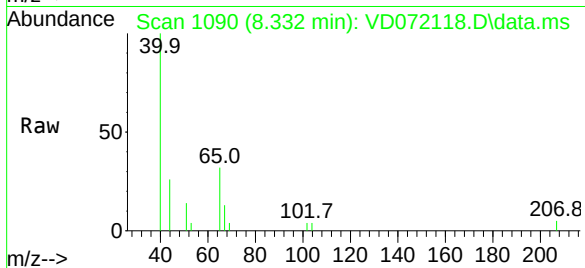
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion: 65 Resp: 2888

Ion Ratio Lower Upper

65 100

67 49.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

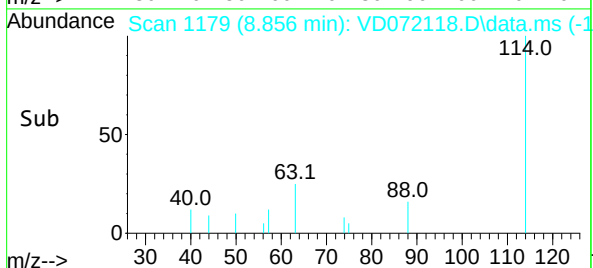
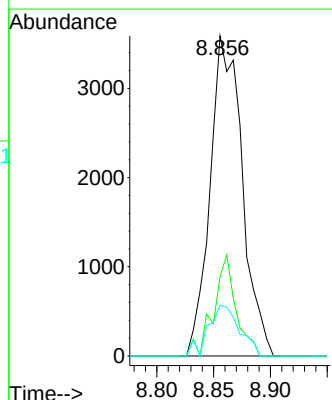
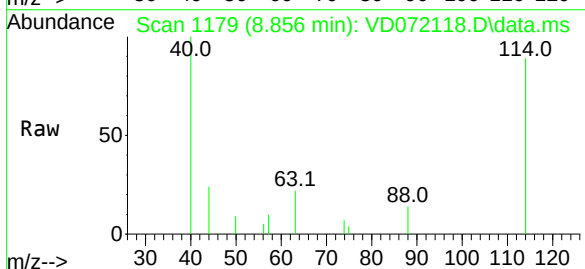
Tgt Ion: 114 Resp: 7047

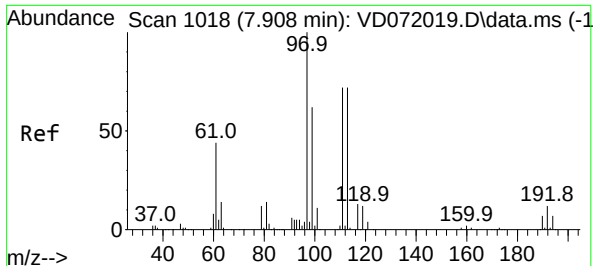
Ion Ratio Lower Upper

114 100

63 24.8 0.0 42.2

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 61.763 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD072118.D

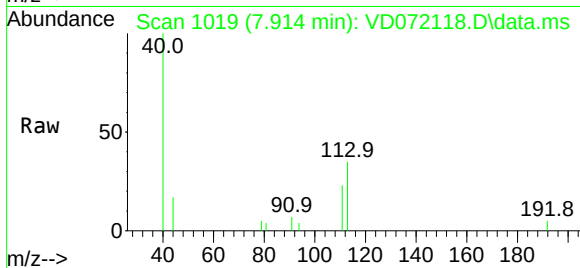
Acq: 28 Feb 2022 13:06

Instrument :

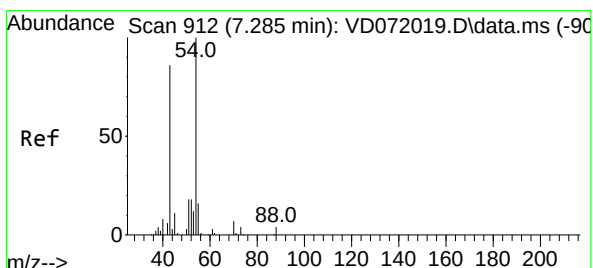
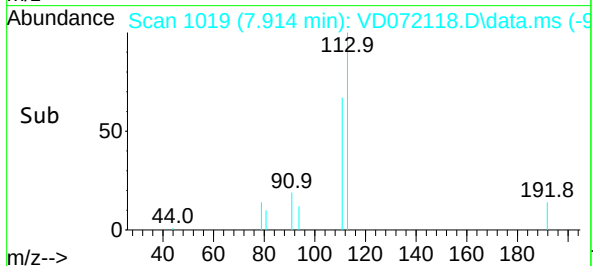
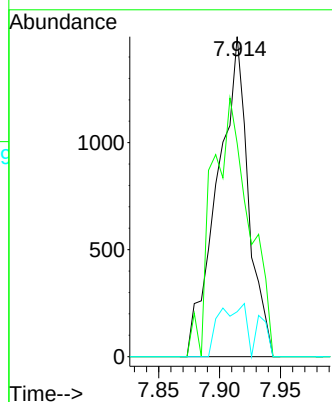
MSVOA_D

ClientSampleId :

SW-SURFICIAL-SOIL-(SW-SS)



Tgt Ion:	113	Resp:	2637
Ion	Ratio	Lower	Upper
113	100		
111	97.0	83.0	124.4
192	14.1	15.3	22.9#



#37

Ethyl Acetate

Concen: 3.768 ug/l

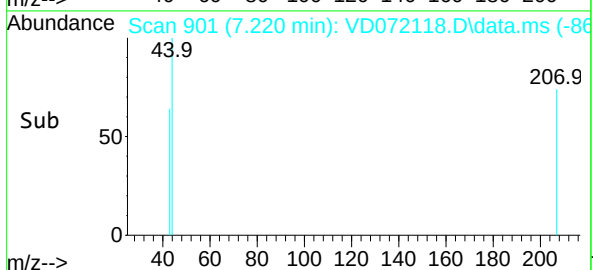
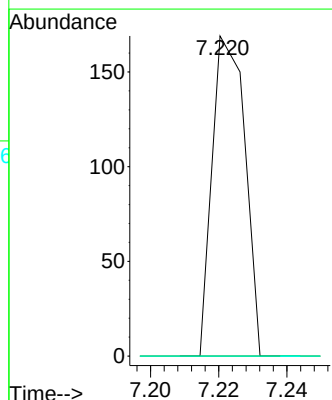
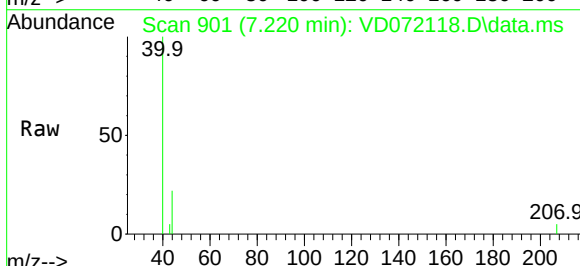
RT: 7.220 min Scan# 901

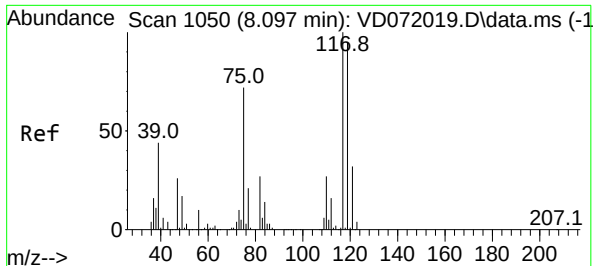
Delta R.T. -0.064 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

Tgt Ion:	43	Resp:	113
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	7.4	11.2#

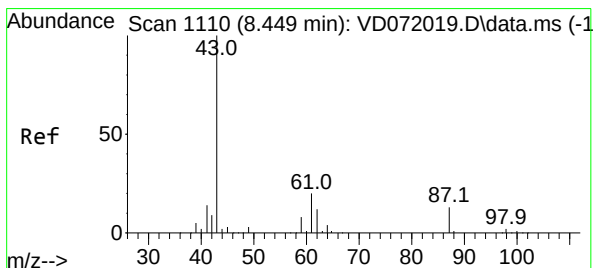
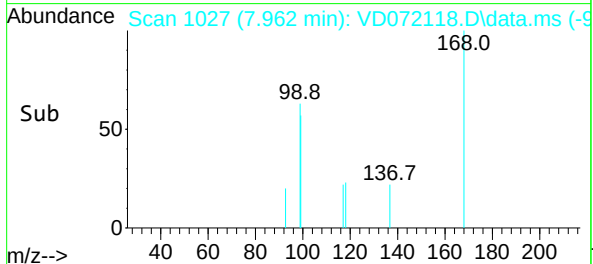
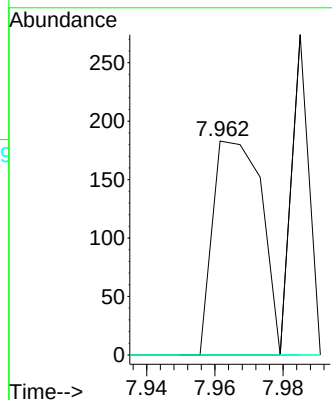
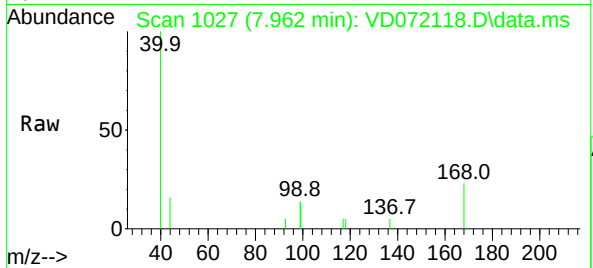




#38
Carbon Tetrachloride
Concen: 2.746 ug/l
RT: 7.962 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

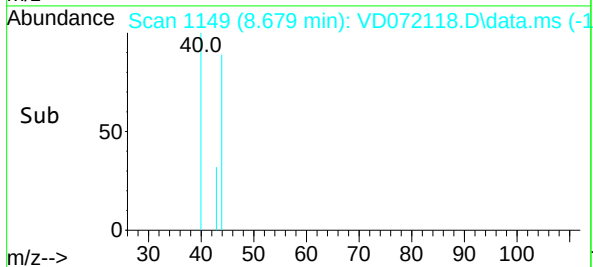
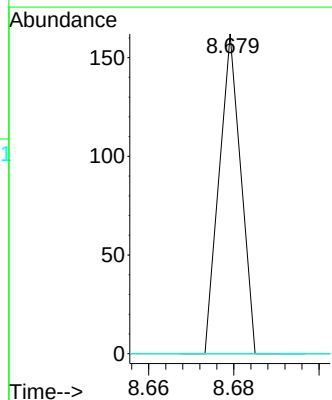
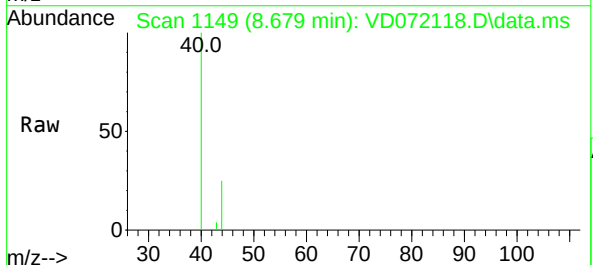
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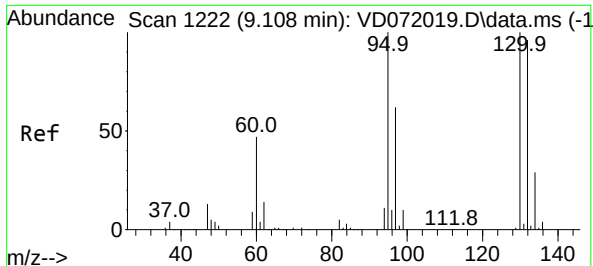
Tgt Ion:117 Resp: 182
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 1.021 ug/l
RT: 8.679 min Scan# 1149
Delta R.T. 0.230 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 0.0 24.6 37.0#
87 0.0 10.1 15.1#

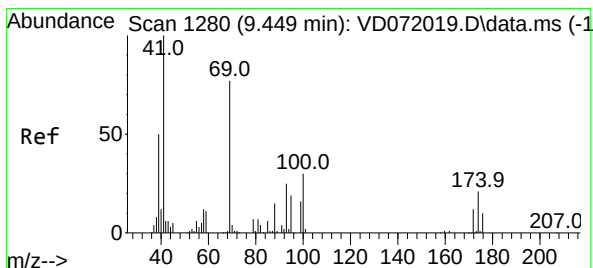
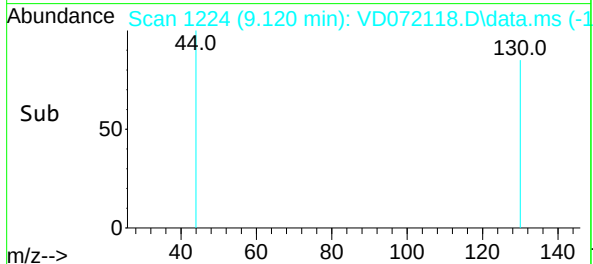
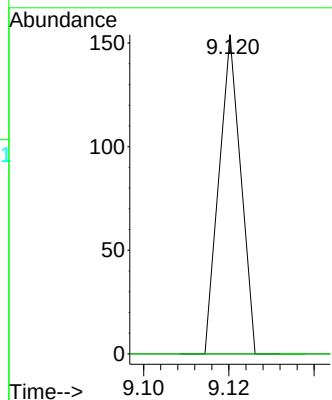
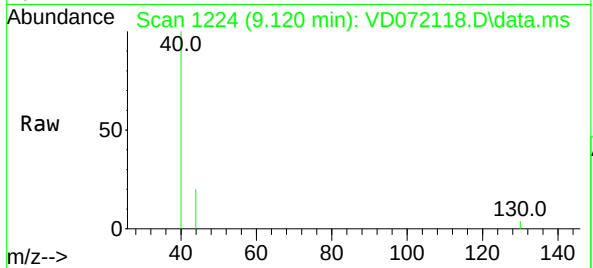




#44
Trichloroethene
Concen: 1.086 ug/l
RT: 9.120 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

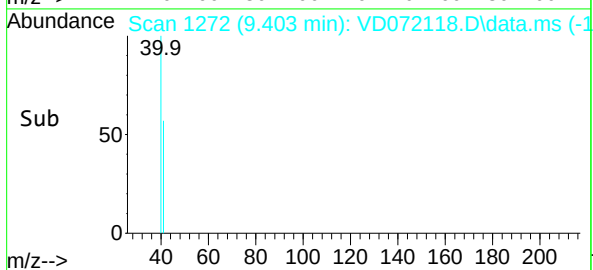
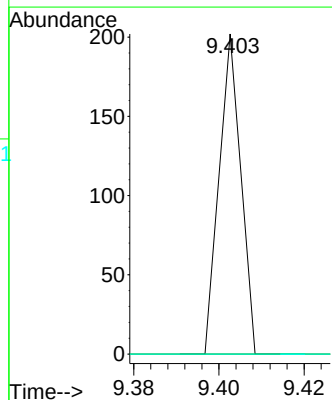
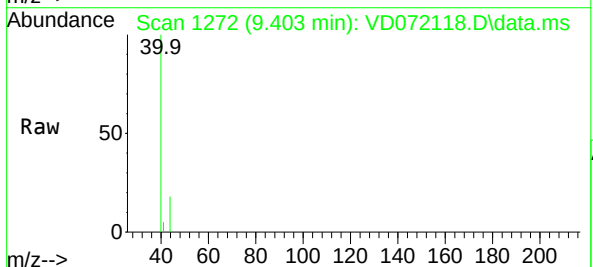
Instrument :
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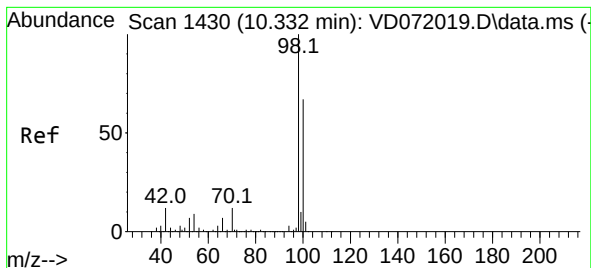
Tgt Ion:130 Resp: 54
Ion Ratio Lower Upper
130 100
95 0.0 0.0 199.4



#48
Methyl methacrylate
Concen: 2.517 ug/l
RT: 9.403 min Scan# 1272
Delta R.T. -0.047 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
69 0.0 61.6 92.4#
39 0.0 38.6 57.8#





#50

Toluene-d8

Concen: 46.389 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

Instrument :

MSVOA_D

ClientSampleId :

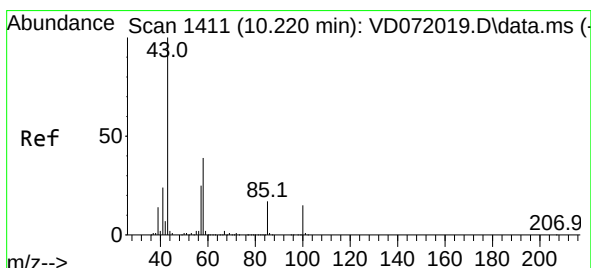
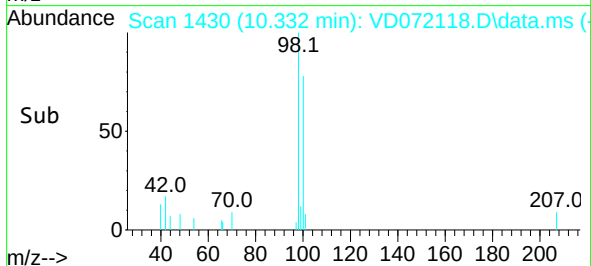
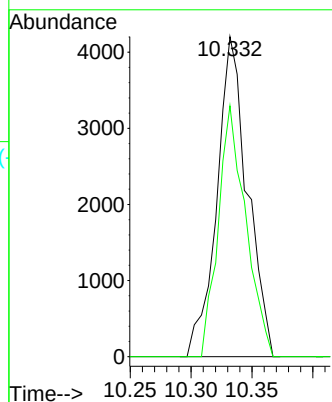
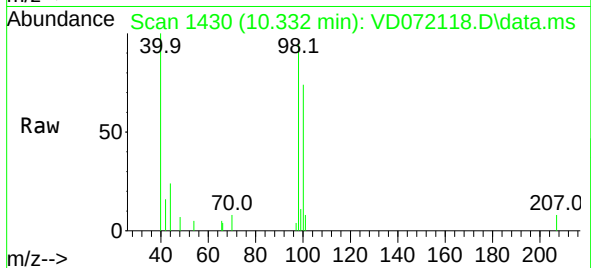
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion: 98 Resp: 7345

Ion Ratio Lower Upper

98 100

100 70.4 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 1.791 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD072118.D

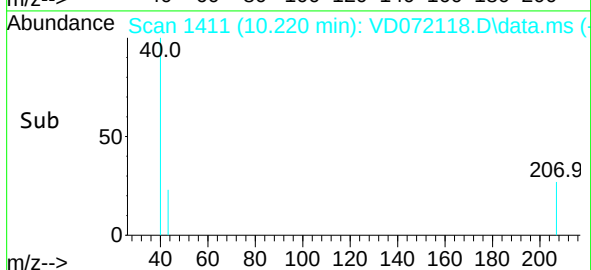
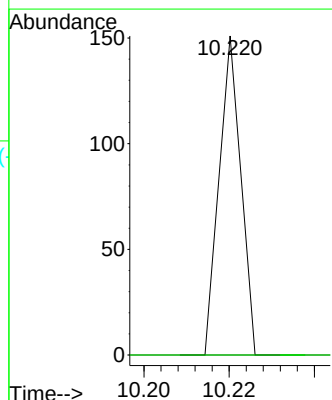
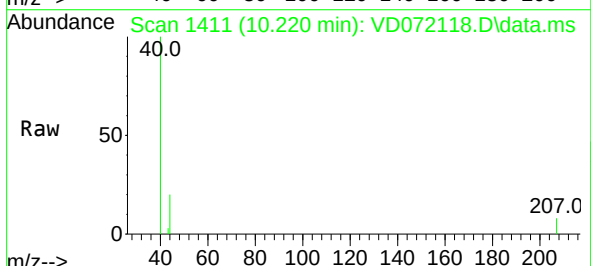
Acq: 28 Feb 2022 13:06

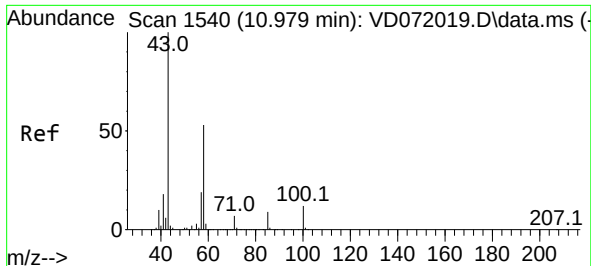
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#

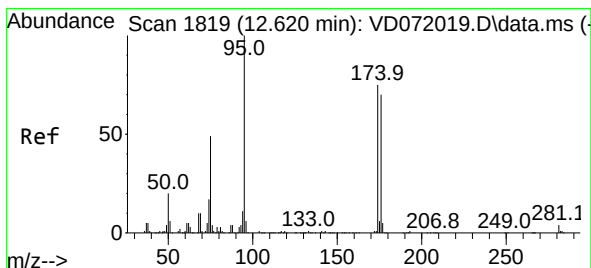
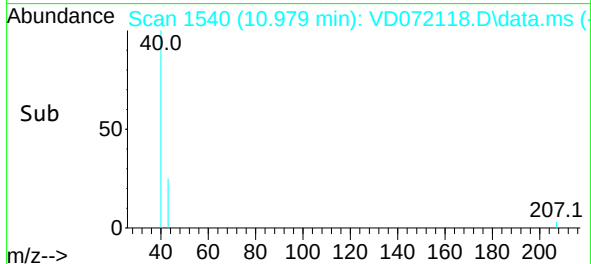
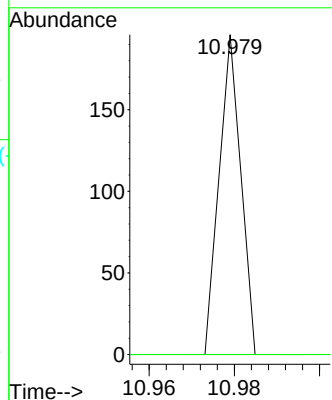
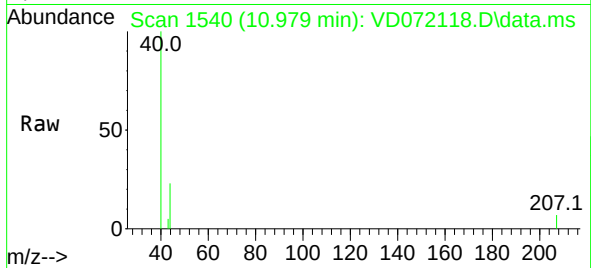




#59
2-Hexanone
Concen: 3.418 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

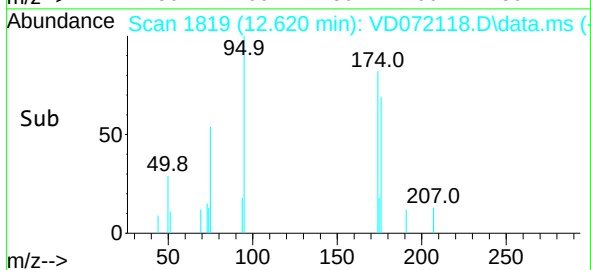
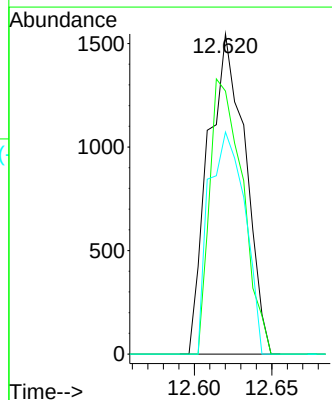
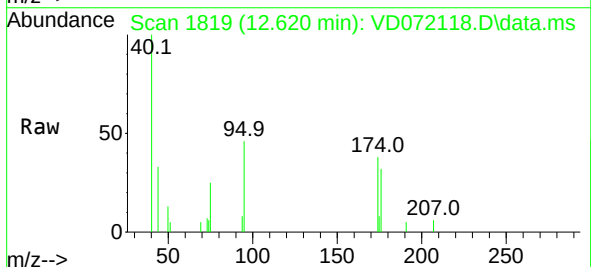
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

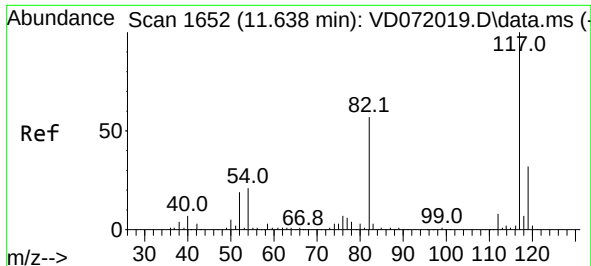
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 27.0 80.8#



#62
4-Bromofluorobenzene
Concen: 44.137 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 95 Resp: 2567
Ion Ratio Lower Upper
95 100
174 76.3 0.0 155.0
176 67.4 0.0 148.8

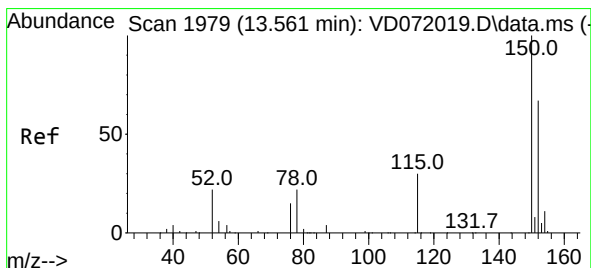
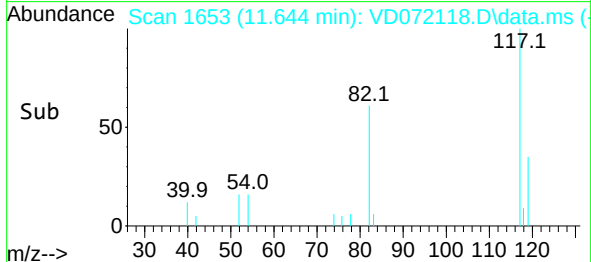
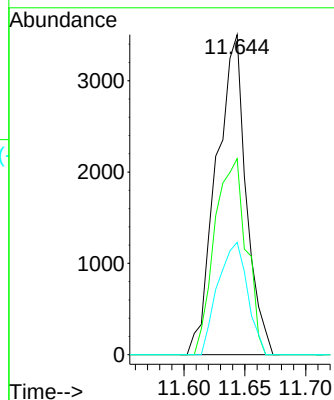
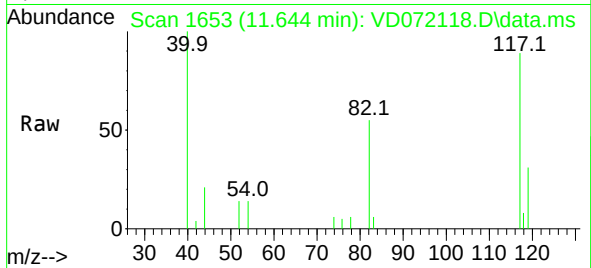




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

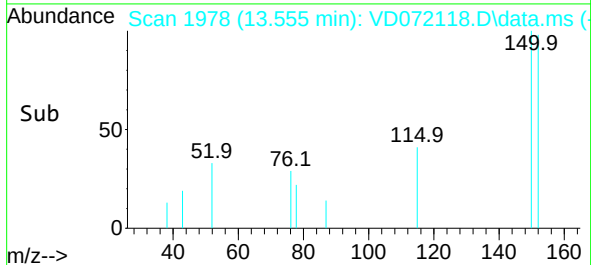
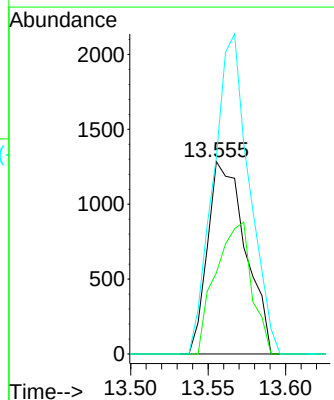
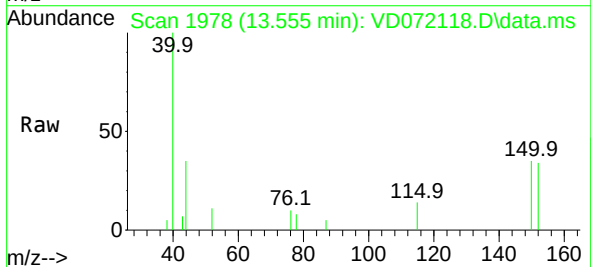
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

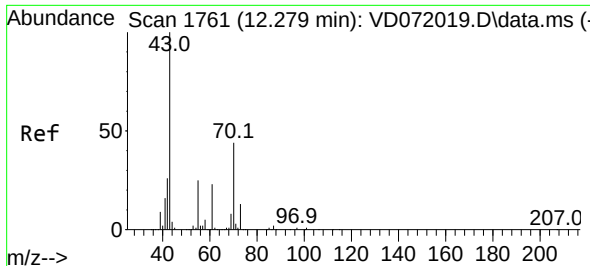
Tgt Ion:117 Resp: 5966
Ion Ratio Lower Upper
117 100
82 61.3 45.4 68.0
119 35.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

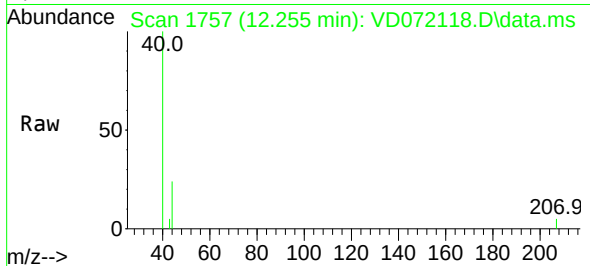
Tgt Ion:152 Resp: 2183
Ion Ratio Lower Upper
152 100
115 64.8 29.9 89.7
150 156.9 0.0 347.6



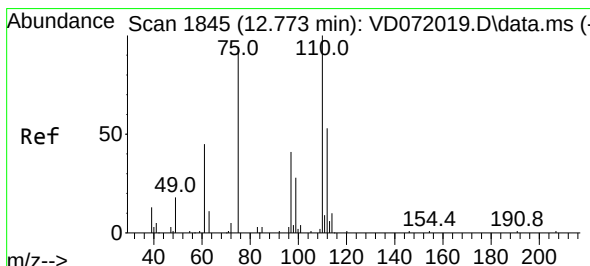
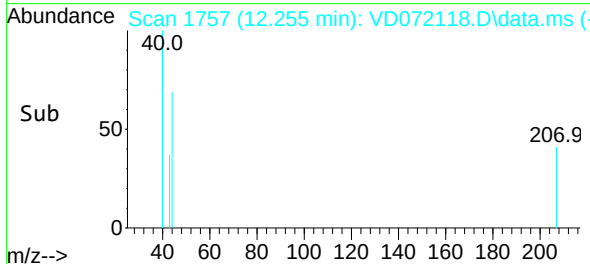
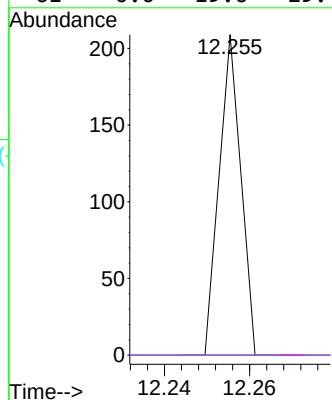


#74
N-amy1 acetate
Concen: 2.045 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

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

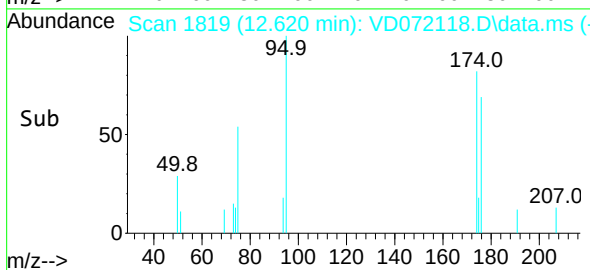
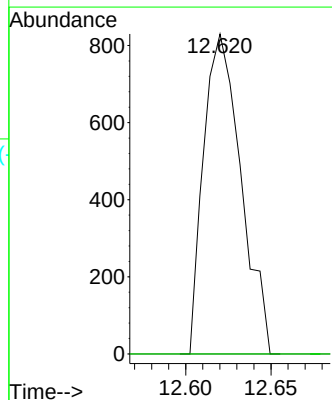
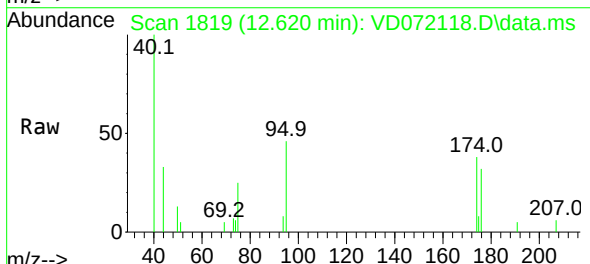


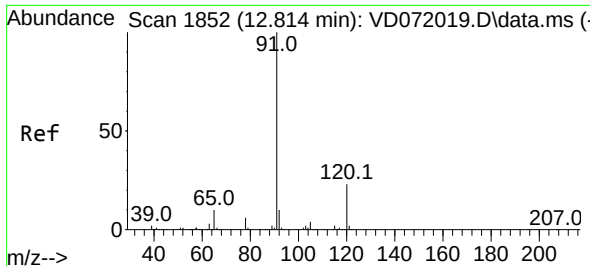
Tgt Ion: 43	Resp: 74
Ion Ratio	Lower Upper
43 100	
70 0.0	33.2 49.8#
55 0.0	20.6 30.8#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 61.225 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 75	Resp: 1266
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

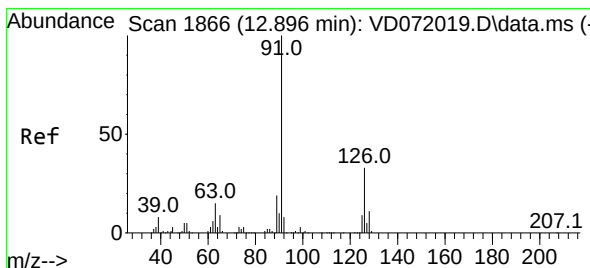
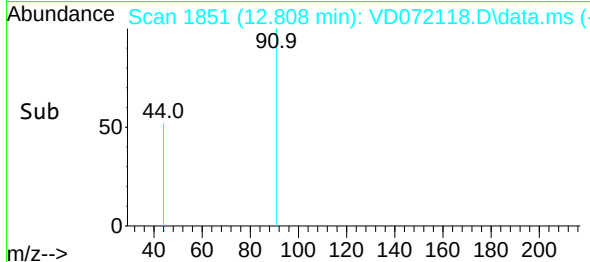
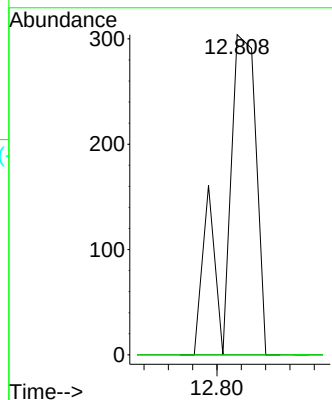
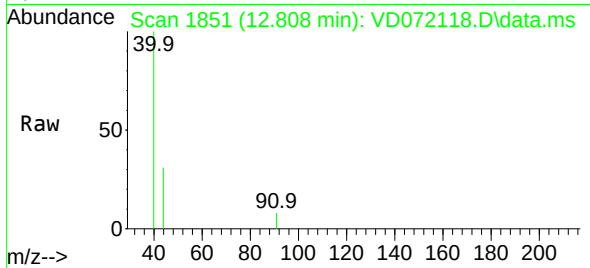




#78
n-propylbenzene
Concen: 1.449 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

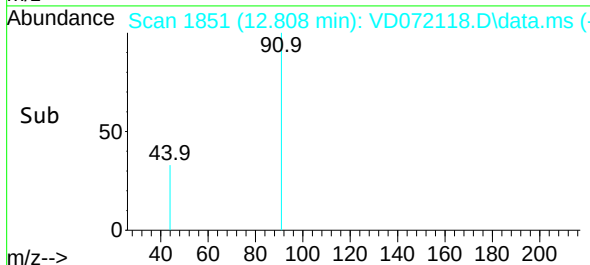
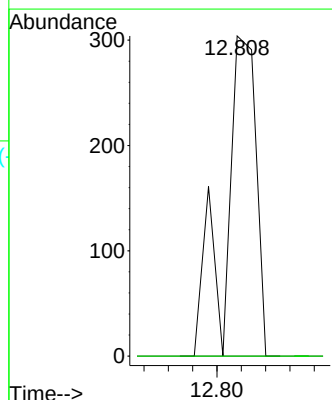
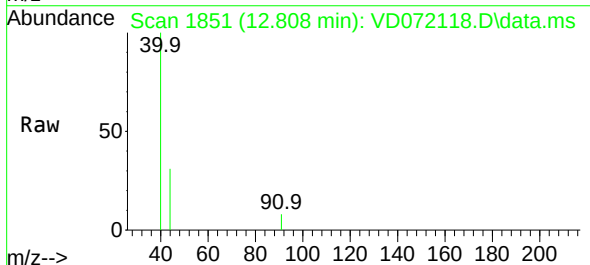
Instrument :
MSVOA_D
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)

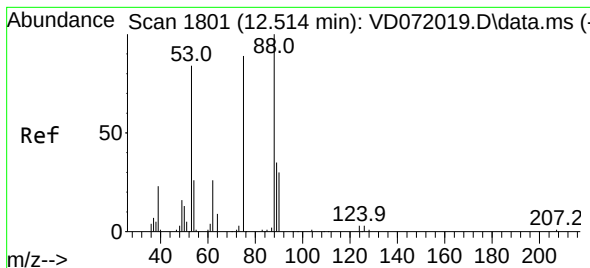
Tgt Ion: 91 Resp: 267
Ion Ratio Lower Upper
91 100
120 0.0 11.2 33.5#



#79
2-Chlorotoluene
Concen: 2.504 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.088 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

Tgt Ion: 91 Resp: 267
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

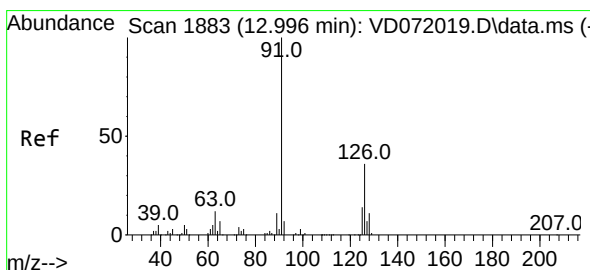
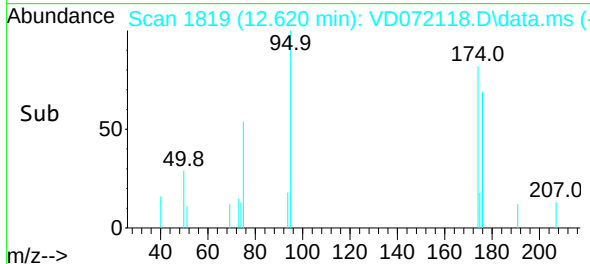
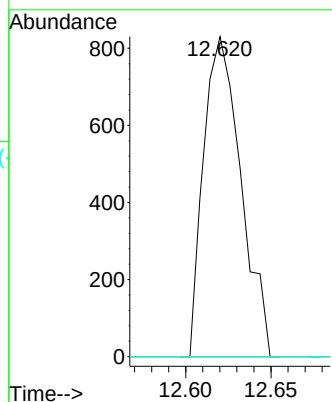
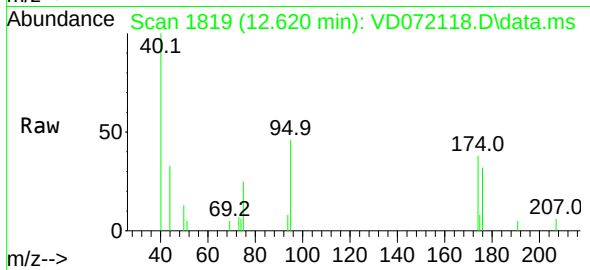




#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.320 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072118.D
 Acq: 28 Feb 2022 13:06

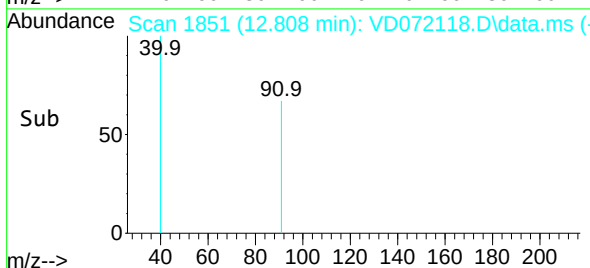
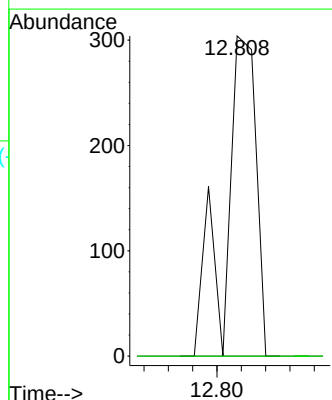
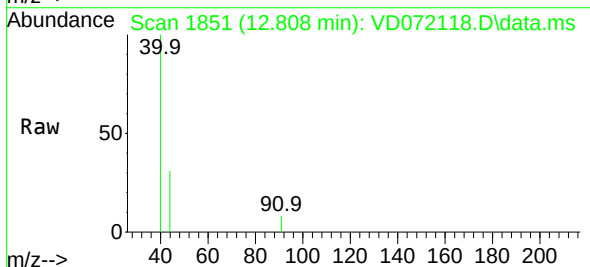
Instrument :
 MSVOA_D
 ClientSampleId :
 SW-SURFICIAL-SOIL-(SW-SS)

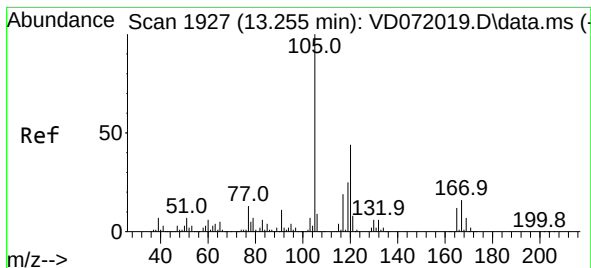
Tgt Ion: 75 Resp: 1266
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.4#
 89 0.0 36.4 54.6#



#82
 4-Chlorotoluene
 Concen: 2.406 ug/l
 RT: 12.808 min Scan# 1851
 Delta R.T. -0.188 min
 Lab File: VD072118.D
 Acq: 28 Feb 2022 13:06

Tgt Ion: 91 Resp: 267
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.065 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

Instrument :

MSVOA_D

ClientSampleId :

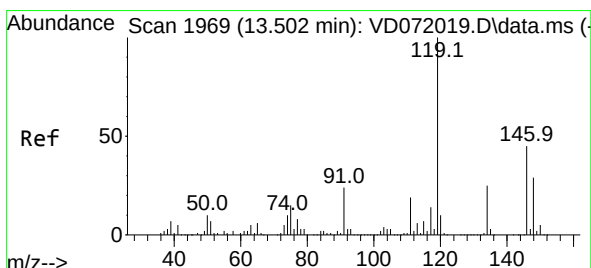
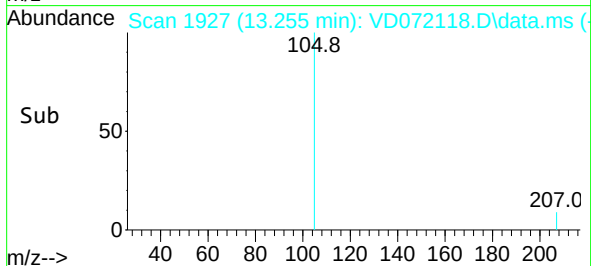
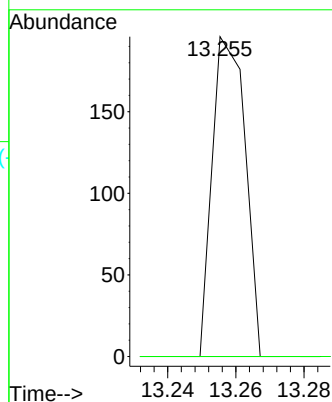
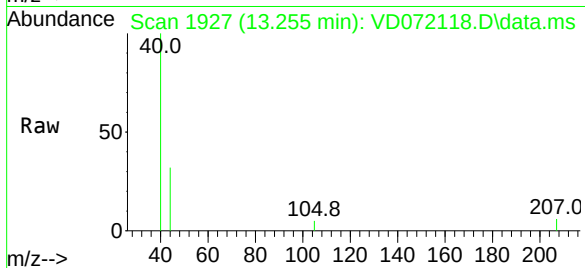
SW-SURFICIAL-SOIL-(SW-SS)

Tgt Ion:105 Resp: 131

Ion Ratio Lower Upper

105 100

120 0.0 22.4 67.3#



#86

p-Isopropyltoluene

Concen: 1.017 ug/l

RT: 13.496 min Scan# 1968

Delta R.T. -0.006 min

Lab File: VD072118.D

Acq: 28 Feb 2022 13:06

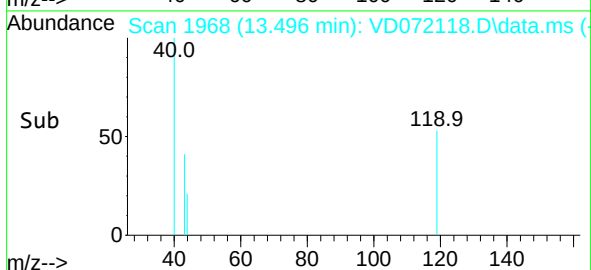
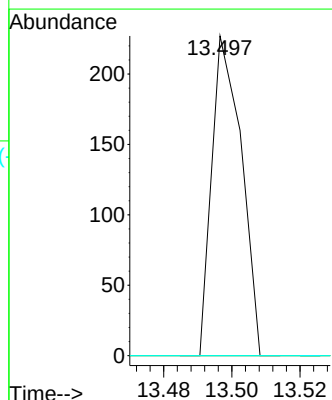
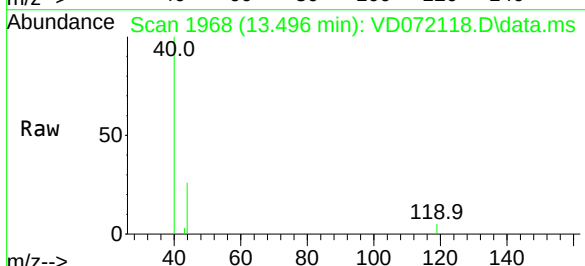
Tgt Ion:119 Resp: 137

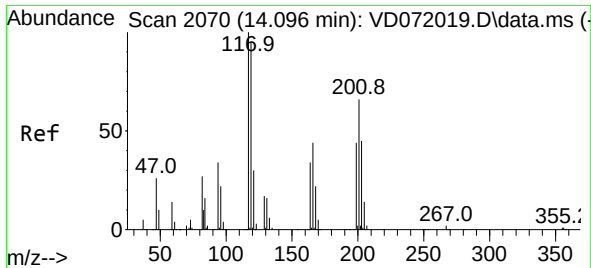
Ion Ratio Lower Upper

119 100

134 0.0 13.0 38.9#

91 0.0 11.9 35.5#





#90
Hexachloroethane
Concen: 2.810 ug/l
RT: 14.202 min Scan# 2070
Delta R.T. 0.106 min
Lab File: VD072118.D
Acq: 28 Feb 2022 13:06

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

Tgt Ion:117 Resp: 76
Ion Ratio Lower Upper
117 100
201 0.0 35.2 105.6#

