

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067234.D
 Acq On : 5 Jun 2021 16:49
 Operator : JC/MD
 Sample : M2589-37
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FOUNDATION-EXCAVATION-SAMP

Quant Time: Jun 07 01:16:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

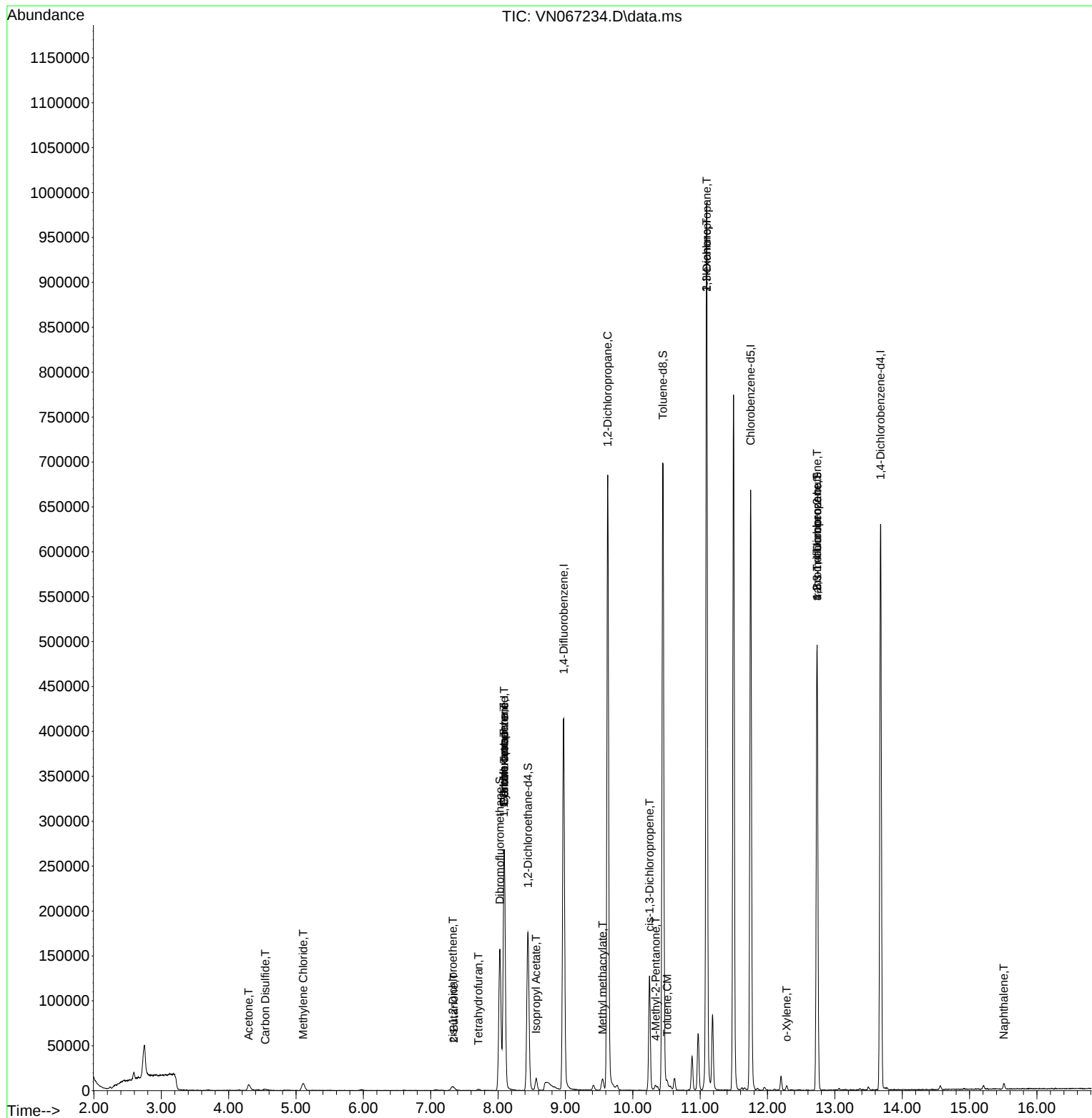
Internal Standards						
1) Pentafluorobenzene	8.091	168	212456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	376032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	377981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	163573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	140390	48.476	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.960%		
35) Dibromofluoromethane	8.027	113	112221	48.140	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.280%		
50) Toluene-d8	10.448	98	499881	52.652	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.300%		
62) 4-Bromofluorobenzene	12.736	95	161114	44.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.120%		
Target Compounds					Qvalue	
16) Acetone	4.296	43	12011	12.020	ug/l #	85
17) Carbon Disulfide	4.543	76	2832	0.479	ug/l #	74
20) Methylene Chloride	5.106	84	6600	2.623	ug/l	97
25) 2-Butanone	7.343	43	2209	1.380	ug/l #	86
27) cis-1,2-Dichloroethene	7.329	96	577	0.212	ug/l	87
29) Tetrahydrofuran	7.707	42	523	0.550	ug/l #	64
31) Cyclohexane	8.088	56	5237	1.347	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	16730	4.817	ug/l #	42
38) Carbon Tetrachloride	8.091	117	21010	5.539	ug/l #	15
43) Isopropyl Acetate	8.566	43	15901	2.498	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	786	0.293	ug/l #	45
48) Methyl methacrylate	9.553	41	4027	1.460	ug/l #	9
51) 4-Methyl-2-Pentanone	10.341	43	3118	0.836	ug/l	96
52) Toluene	10.513	92	2653	0.373	ug/l	98
54) cis-1,3-Dichloropropene	10.247	75	23175	5.039	ug/l #	68
57) 1,3-Dichloropropane	11.097	76	10244	2.304	ug/l #	42
59) 2-Hexanone	11.095	43	154986	57.164	ug/l #	44
69) o-Xylene	12.283	106	1342	0.236	ug/l	74
76) 1,2,3-Trichloropropane	12.736	75	91700	29.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	91700	71.326	ug/l #	15
95) Naphthalene	15.507	128	6354	5.221	ug/l	98

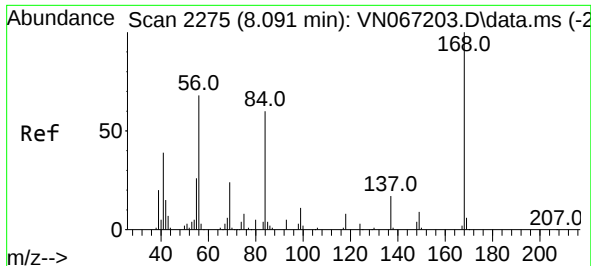
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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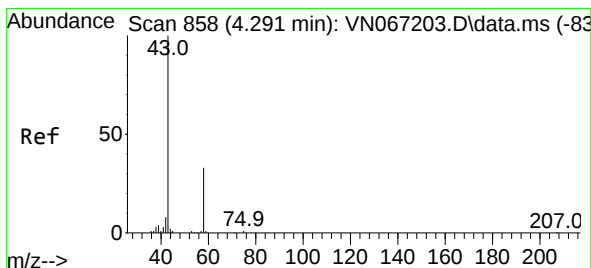
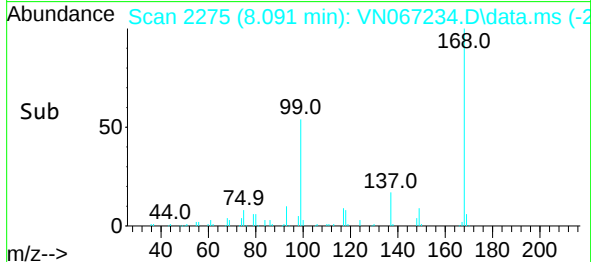
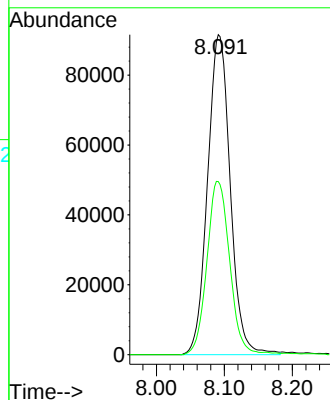
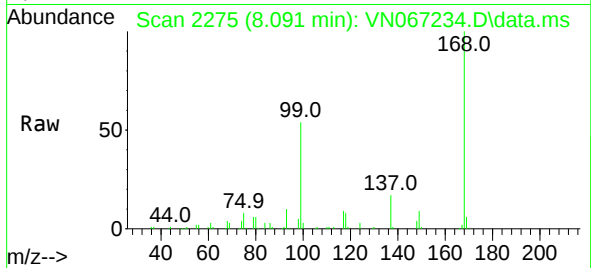




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

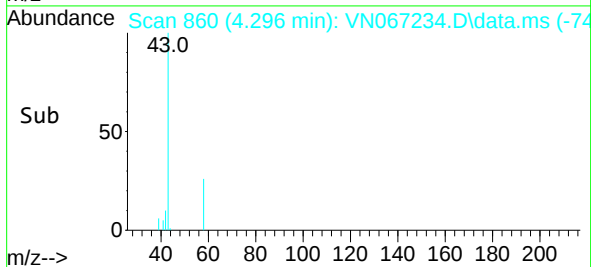
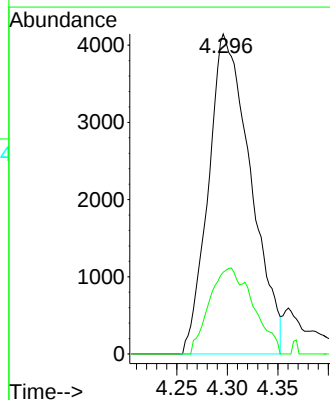
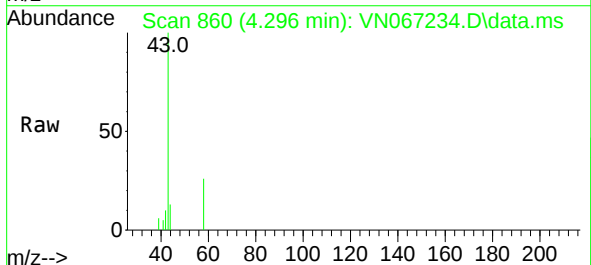
Instrument :
MSVOA_N
ClientSampleId :
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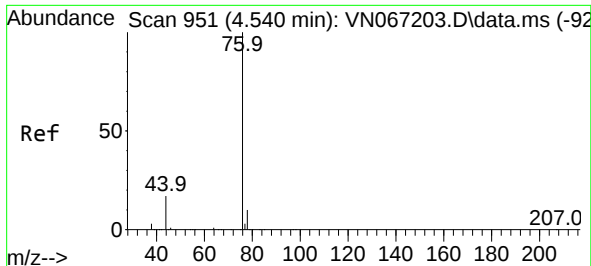
Tgt Ion:168 Resp: 212456
Ion Ratio Lower Upper
168 100
99 54.1 38.5 57.7



#16
Acetone
Concen: 12.020 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 43 Resp: 12011
Ion Ratio Lower Upper
43 100
58 25.6 27.2 40.8#

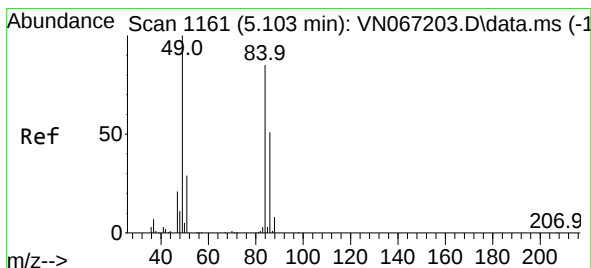
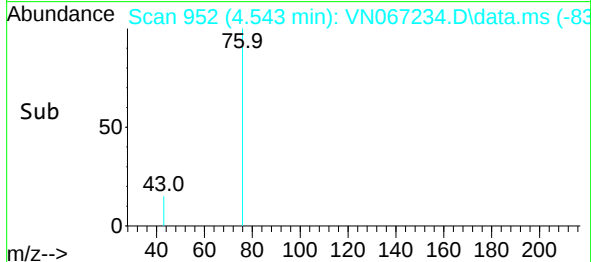
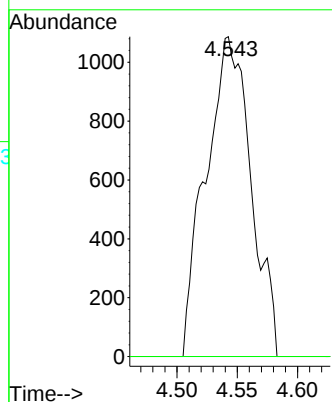
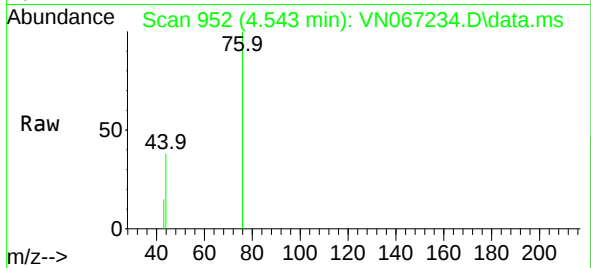




#17
Carbon Disulfide
Concen: 0.479 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

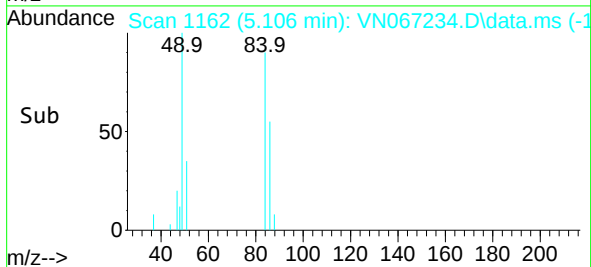
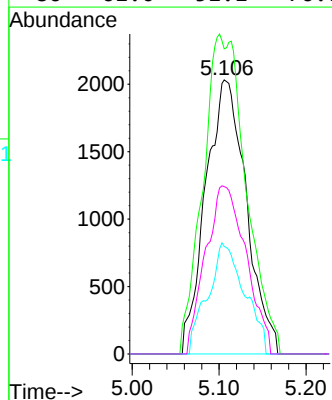
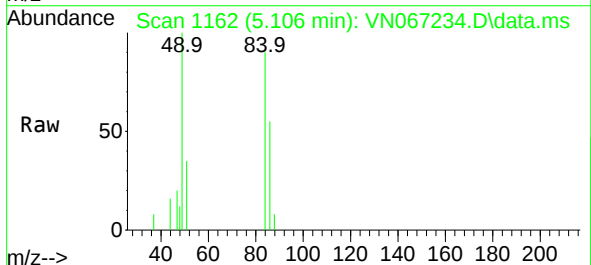
Instrument :
MSVOA_N
ClientSampleId :
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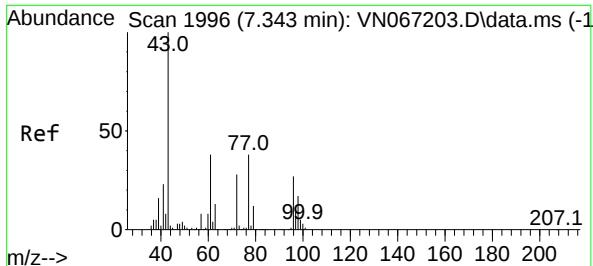
Tgt Ion: 76 Resp: 2832
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 2.623 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 84 Resp: 6600
Ion Ratio Lower Upper
84 100
49 111.3 88.3 132.5
51 39.3 26.7 40.1
86 61.0 51.1 76.7

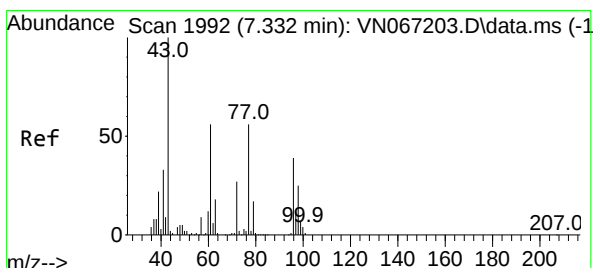
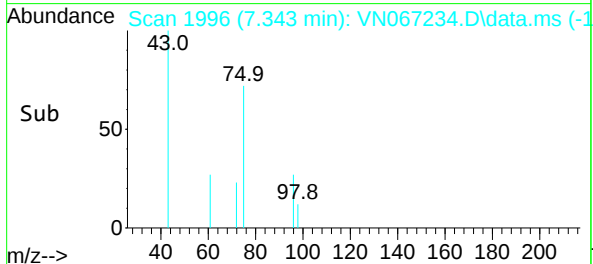
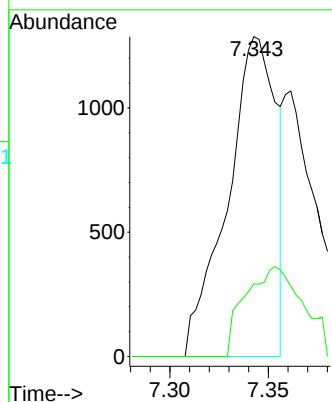
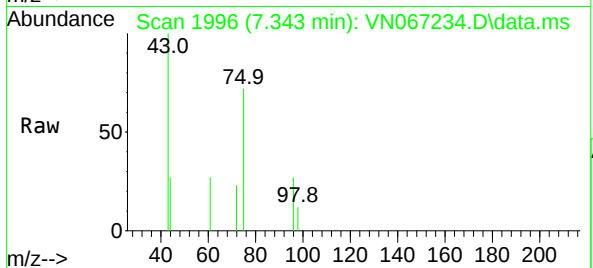




#25
2-Butanone
Concen: 1.380 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

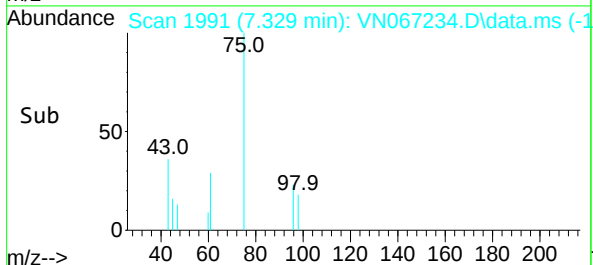
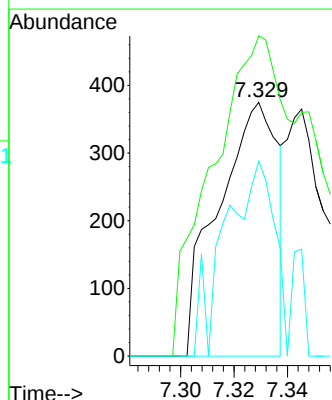
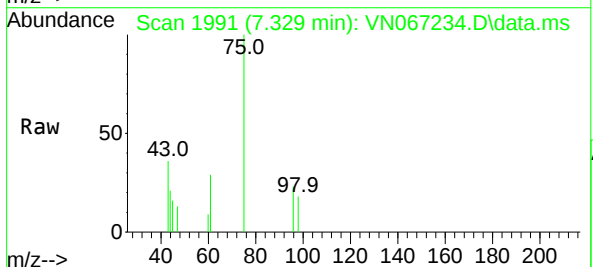
Instrument :
MSVOA_N
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FOUNDATION-EXCAVATION-SAMP

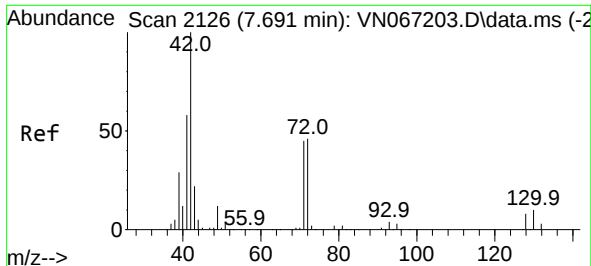
Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
72 22.7 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 96 Resp: 577
Ion Ratio Lower Upper
96 100
61 159.4 0.0 272.4
98 64.3 0.0 130.4





#29

Tetrahydrofuran

Concen: 0.550 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.016 min

Lab File: VN067234.D

Acq: 5 Jun 2021 16:49

Tgt Ion: 42 Resp: 523

Ion Ratio Lower Upper

42 100

72 25.4 40.1 60.1#

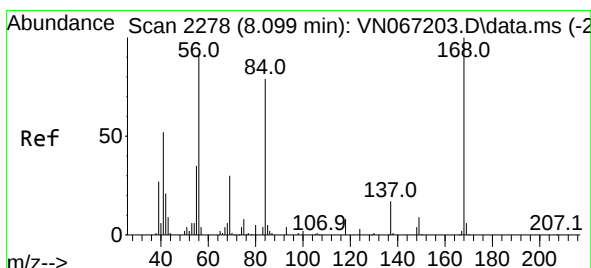
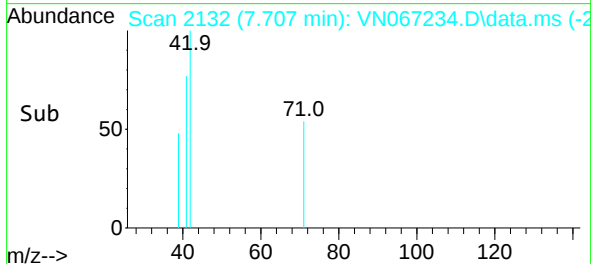
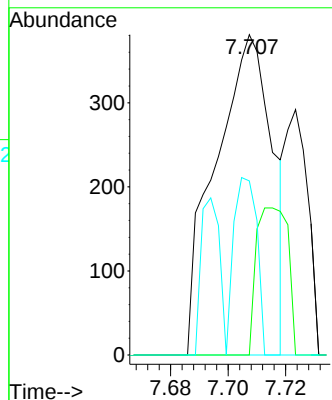
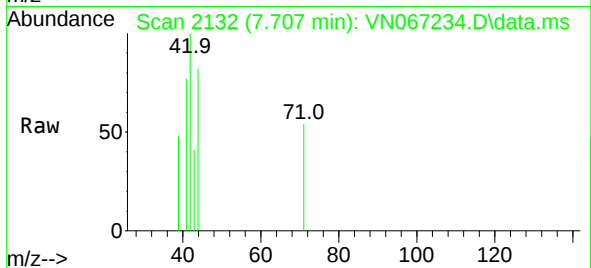
71 22.8 37.9 56.9#

Instrument :

MSVOA_N

ClientSampleId :

FOUNDATION-EXCAVATION-SAMP



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN067234.D

Acq: 5 Jun 2021 16:49

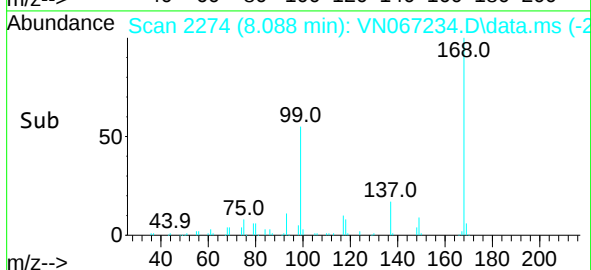
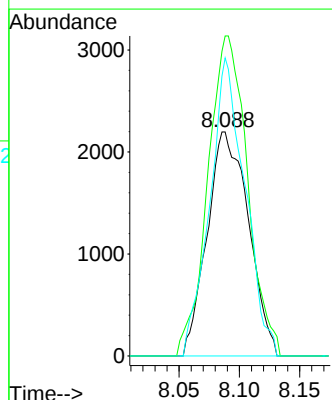
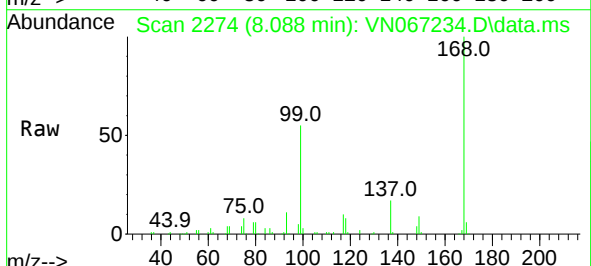
Tgt Ion: 56 Resp: 5237

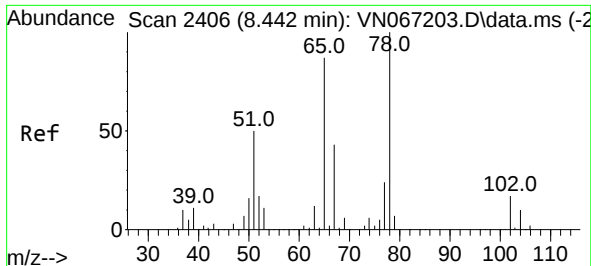
Ion Ratio Lower Upper

56 100

69 142.8 28.0 42.0#

84 133.0 74.2 111.2#

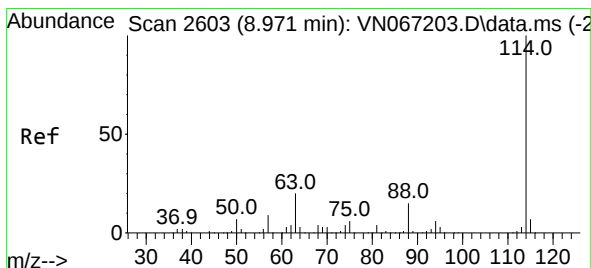
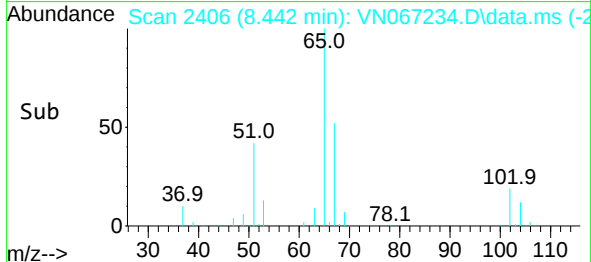
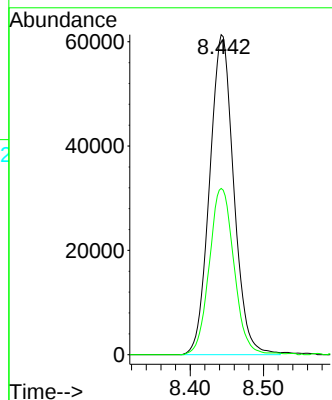
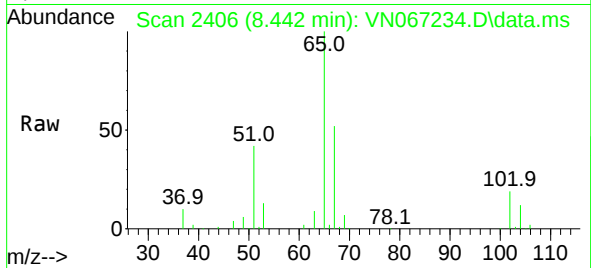




#33
 1,2-Dichloroethane-d4
 Concen: 48.476 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. -0.000 min
 Lab File: VN067234.D
 Acq: 5 Jun 2021 16:49

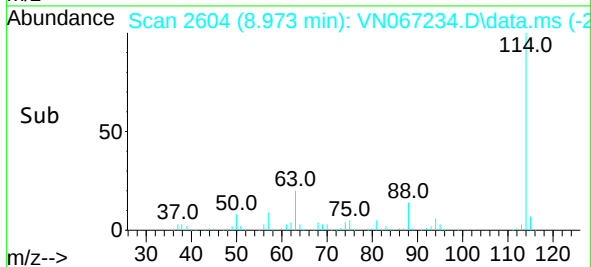
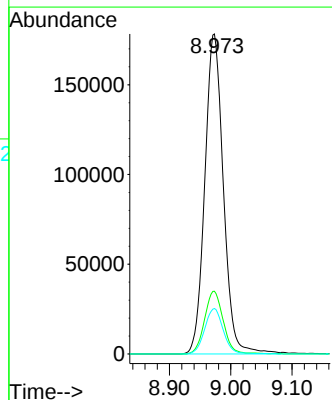
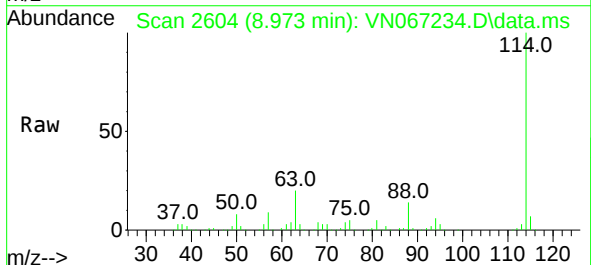
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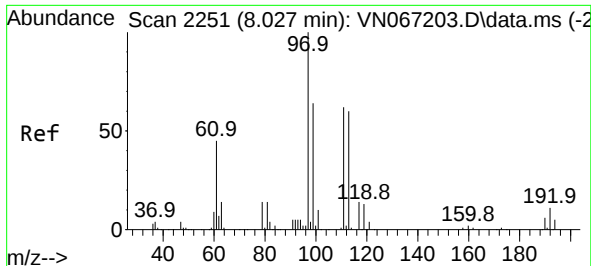
Tgt Ion: 65 Resp: 140390
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067234.D
 Acq: 5 Jun 2021 16:49

Tgt Ion: 114 Resp: 376032
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 35.8
 88 14.2 0.0 30.4

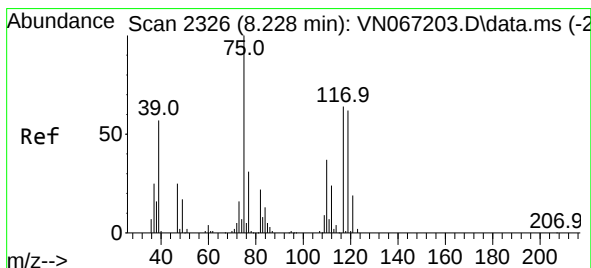
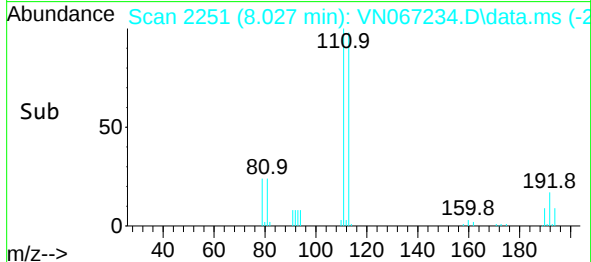
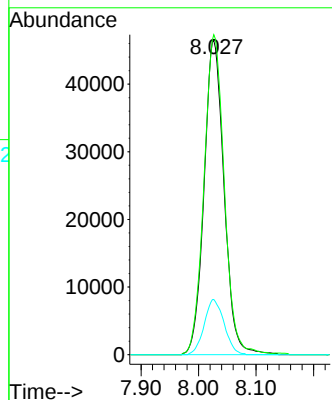
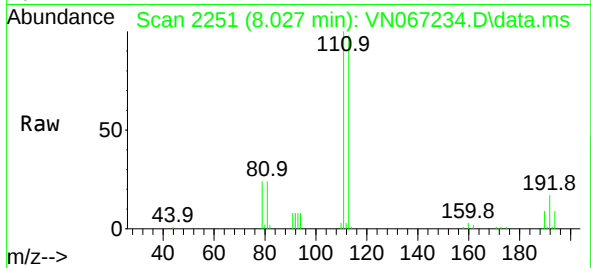




#35
Dibromofluoromethane
Concen: 48.140 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

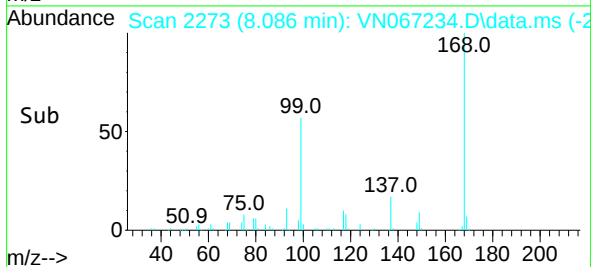
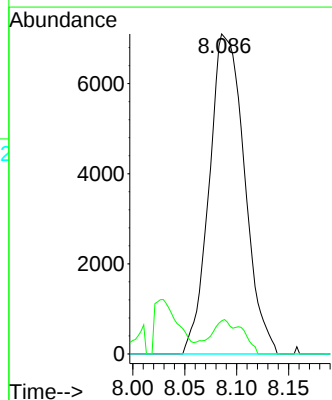
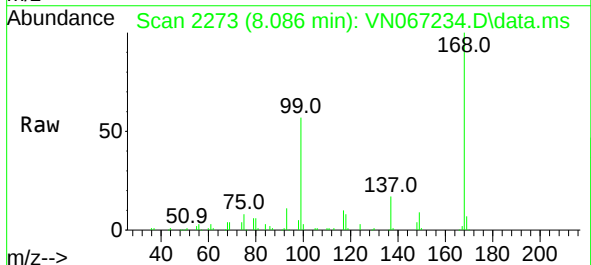
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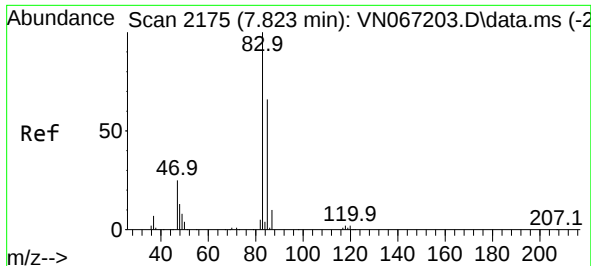
Tgt Ion:113 Resp: 112221
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 17.5 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.142 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 75 Resp: 16730
Ion Ratio Lower Upper
75 100
110 2.8 19.1 57.3#
77 0.0 24.8 37.2#

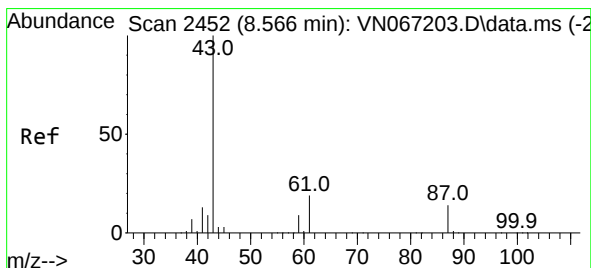
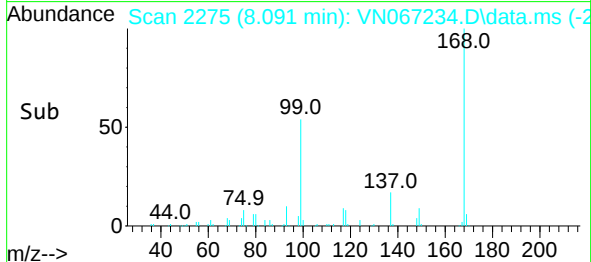
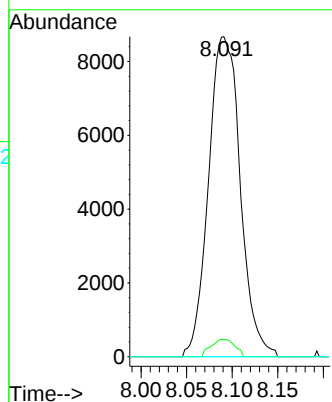
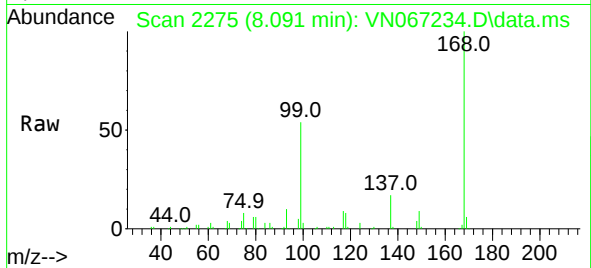




#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.121 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

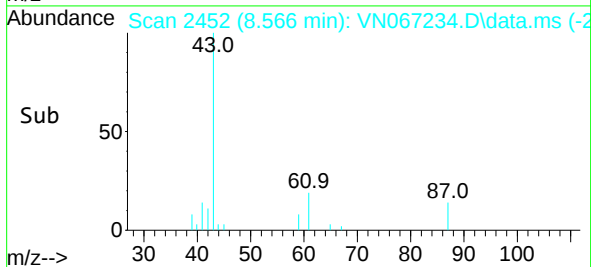
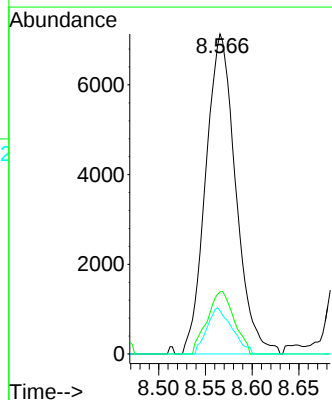
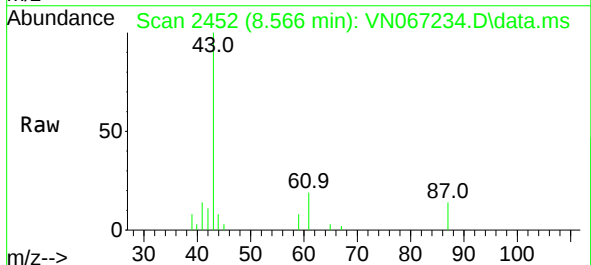
Instrument :
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FOUNDATION-EXCAVATION-SAMP

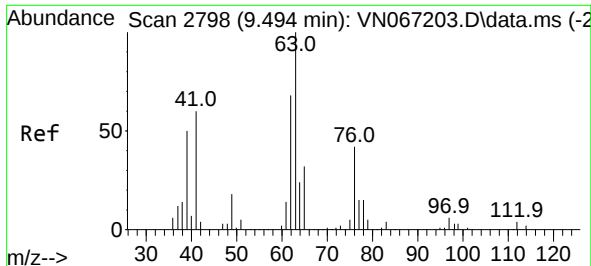
Tgt Ion:117 Resp: 21010
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 2.498 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 43 Resp: 15901
Ion Ratio Lower Upper
43 100
61 17.6 23.4 35.0#
87 12.1 12.2 18.2#

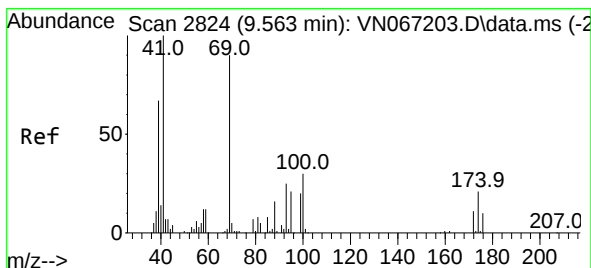
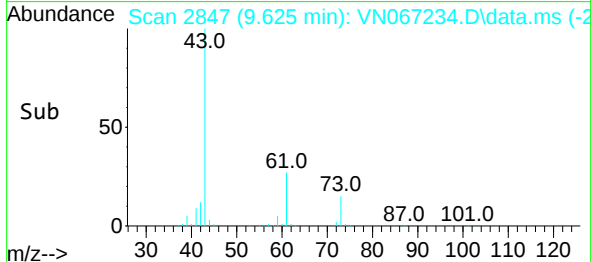
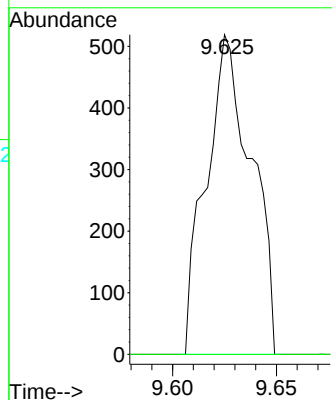
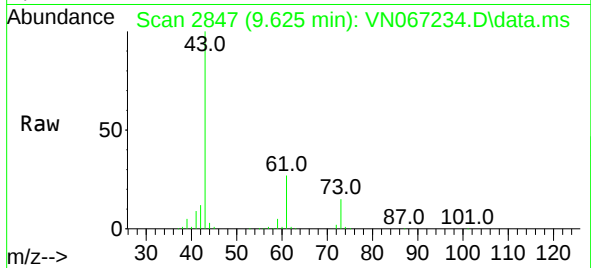




#45
1,2-Dichloropropane
Concen: 0.293 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

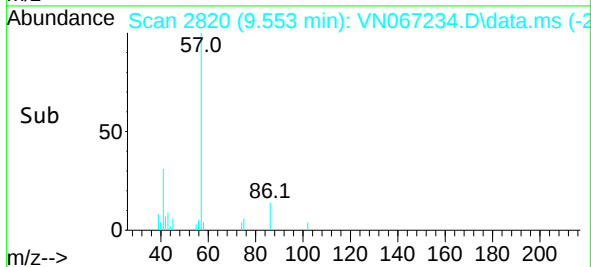
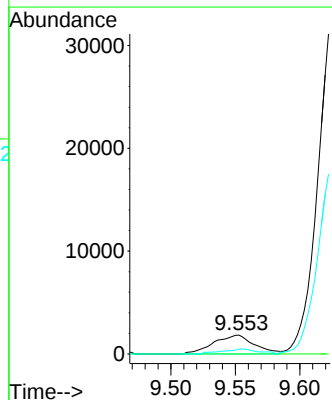
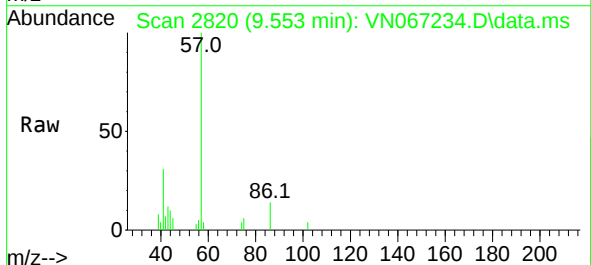
Instrument :
MSVOA_N
ClientSampleId :
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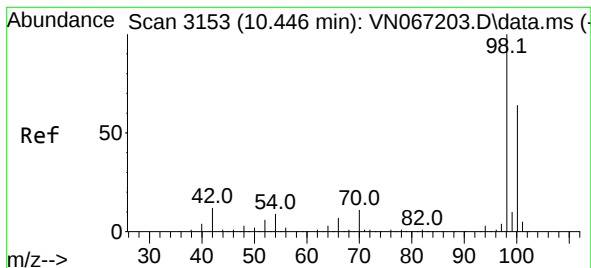
Tgt Ion: 63 Resp: 786
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.460 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.011 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 41 Resp: 4027
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

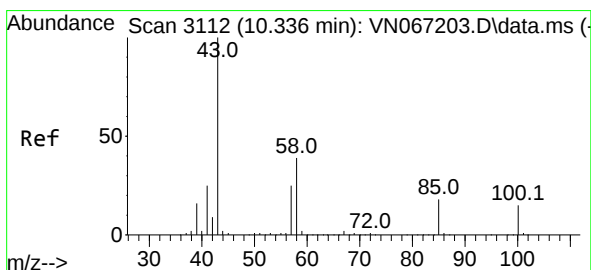
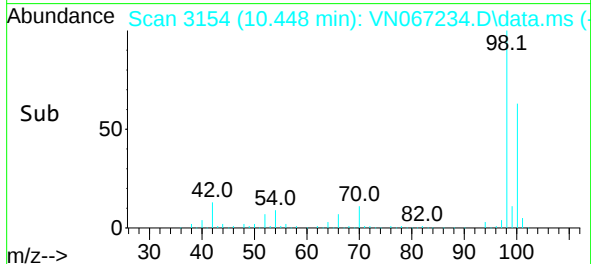
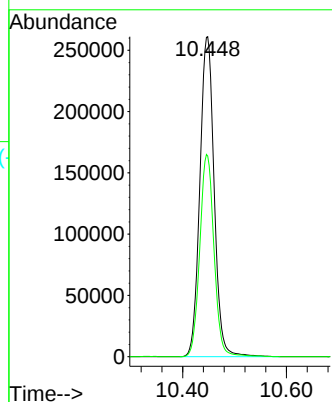
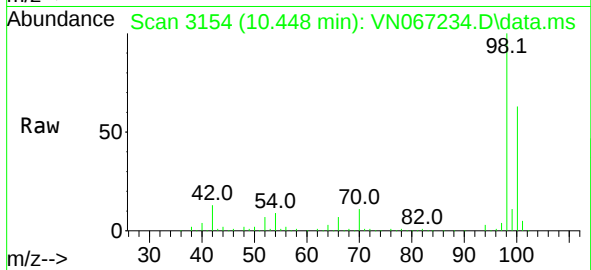




#50
Toluene-d8
Concen: 52.652 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

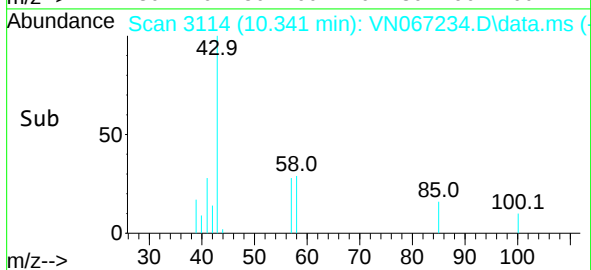
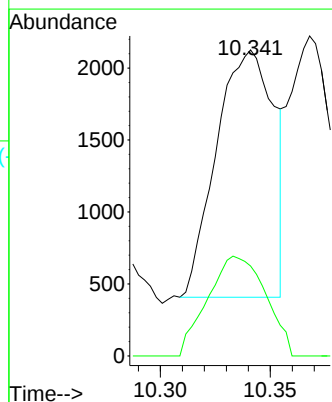
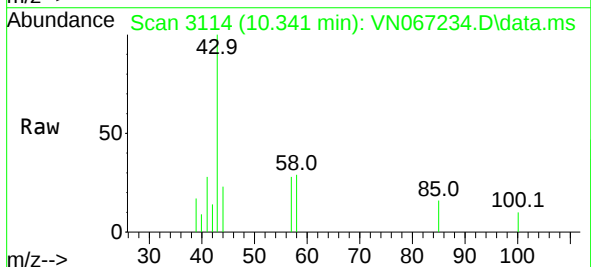
Instrument :
MSVOA_N
ClientSampleId :
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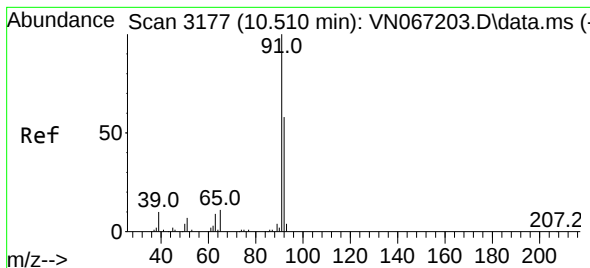
Tgt Ion: 98 Resp: 499881
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.836 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.005 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
58 40.7 34.5 51.7





#52

Toluene

Concen: 0.373 ug/l

RT: 10.513 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VN067234.D

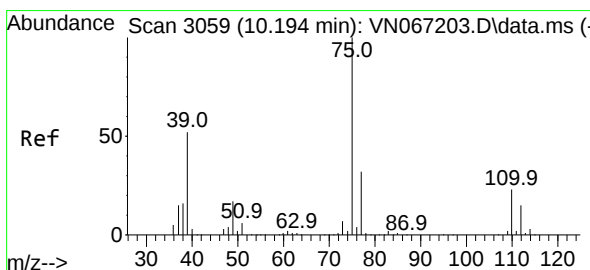
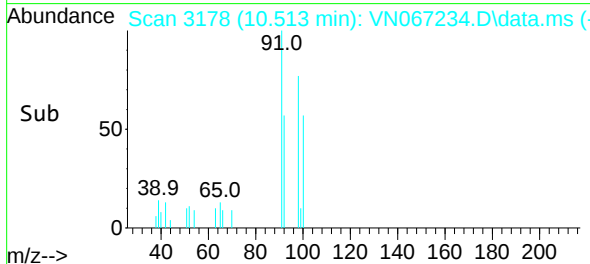
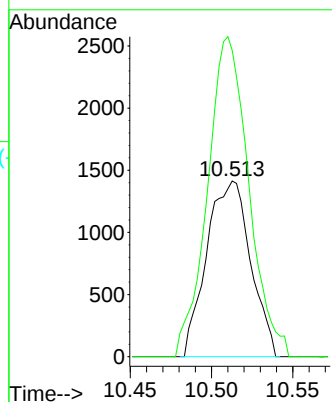
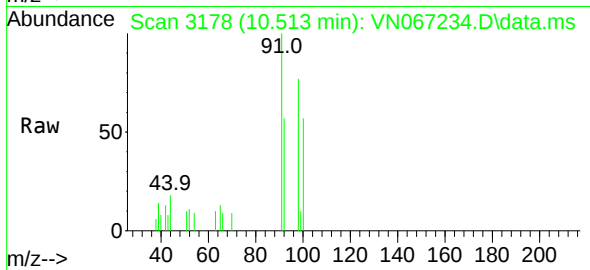
Acq: 5 Jun 2021 16:49

Tgt Ion: 92 Resp: 2653

Ion Ratio Lower Upper

92 100

91 171.2 138.7 208.1



#54

cis-1,3-Dichloropropene

Concen: 5.039 ug/l

RT: 10.247 min Scan# 3079

Delta R.T. 0.054 min

Lab File: VN067234.D

Acq: 5 Jun 2021 16:49

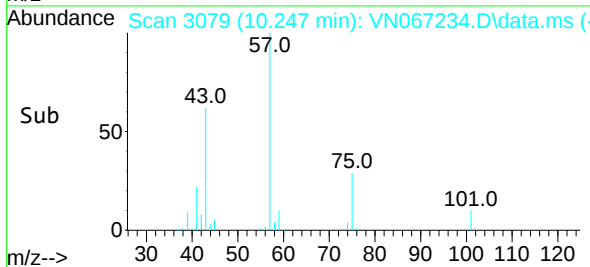
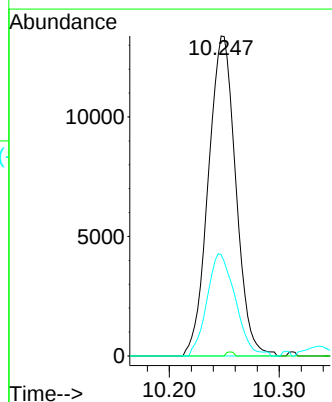
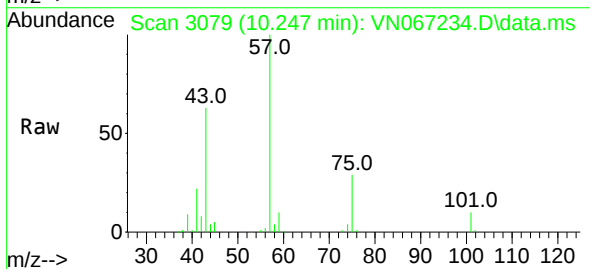
Tgt Ion: 75 Resp: 23175

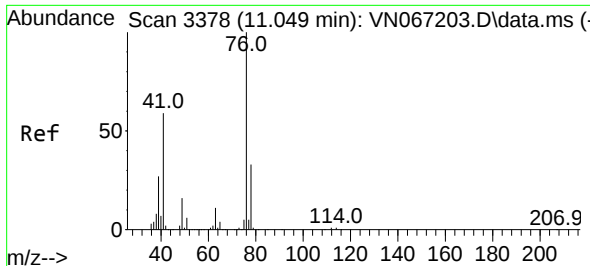
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 31.7 30.9 46.3

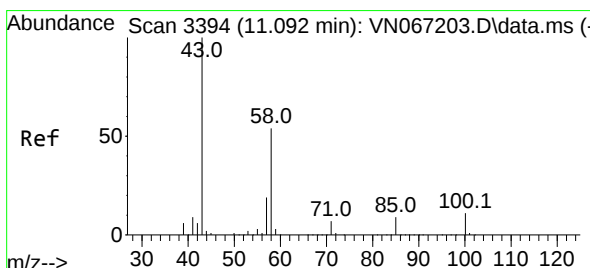
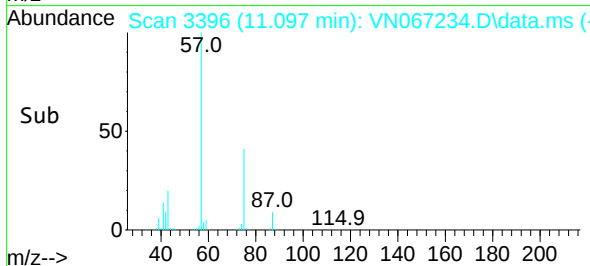
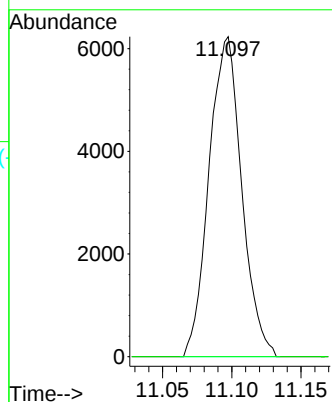
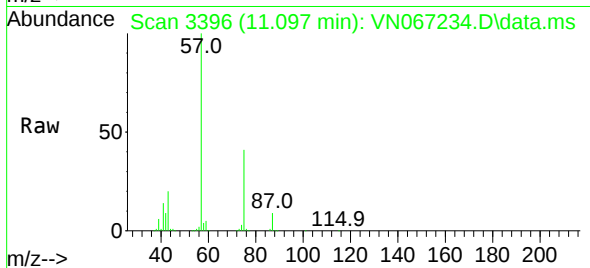




#57
1,3-Dichloropropane
Concen: 2.304 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.048 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

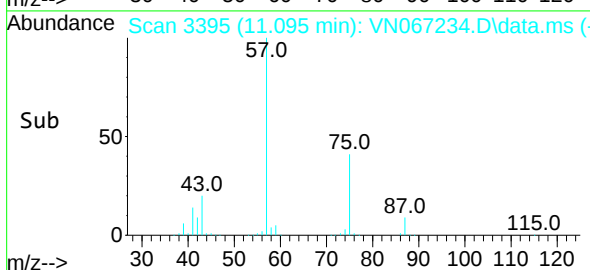
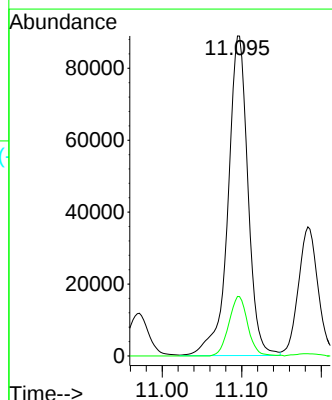
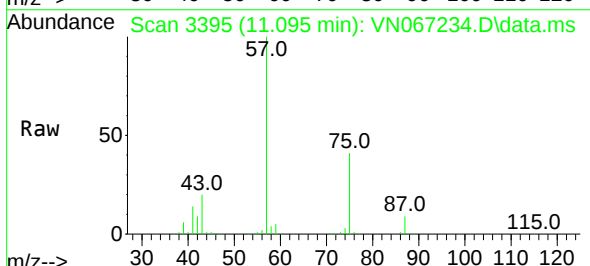
Instrument :
MSVOA_N
ClientSampleId :
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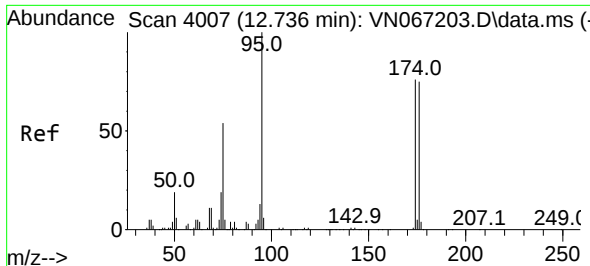
Tgt Ion: 76 Resp: 10244
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 57.164 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 43 Resp: 154986
Ion Ratio Lower Upper
43 100
58 17.6 29.8 89.5#

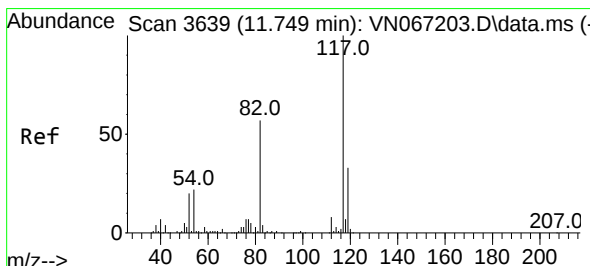
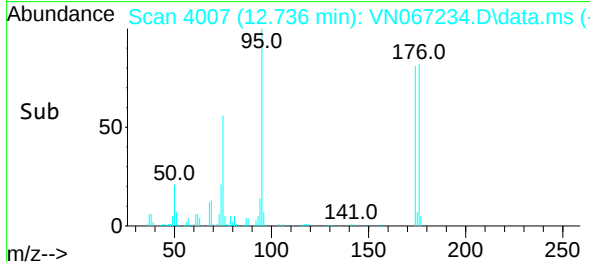
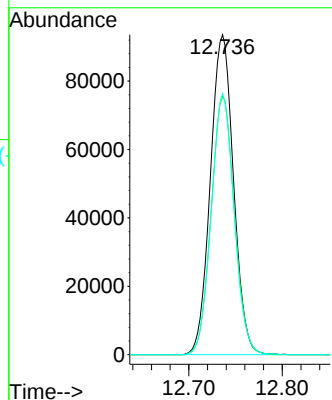
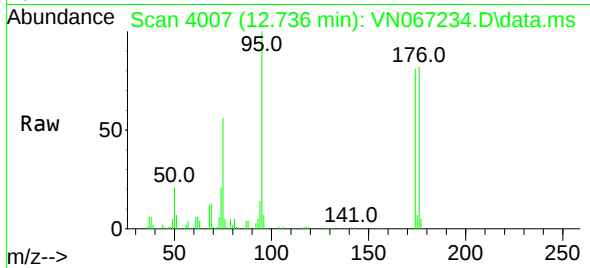




#62
4-Bromofluorobenzene
Concen: 44.062 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

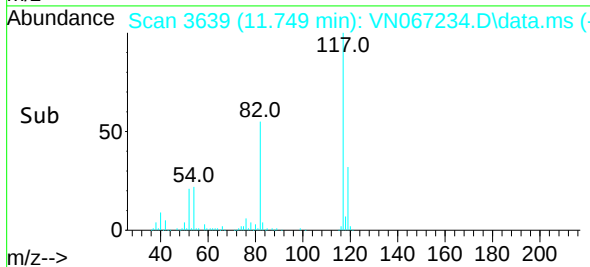
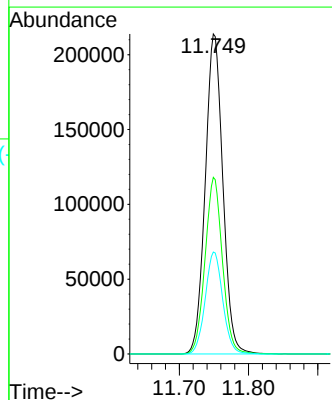
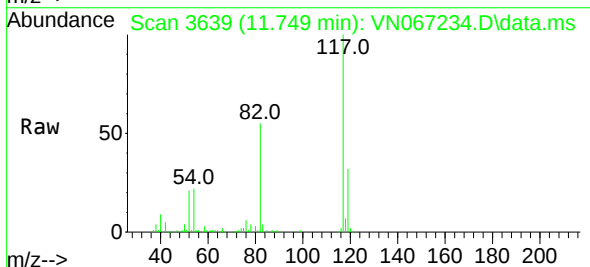
Instrument :
MSVOA_N
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

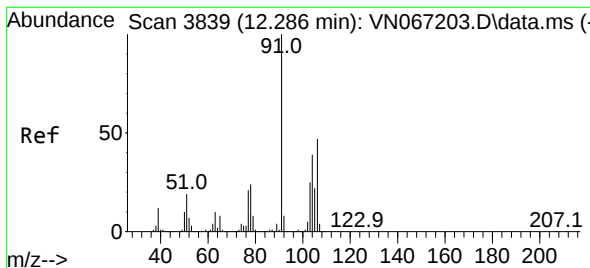
Tgt Ion: 95 Resp: 161114
Ion Ratio Lower Upper
95 100
174 81.2 0.0 182.8
176 80.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion: 117 Resp: 377981
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.2
119 31.8 25.8 38.6

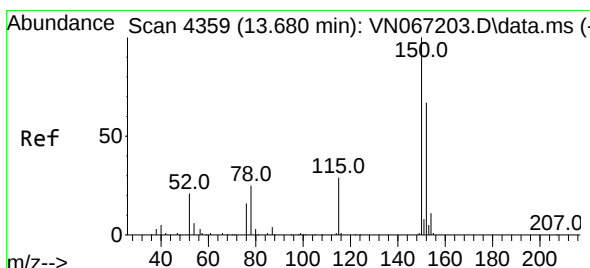
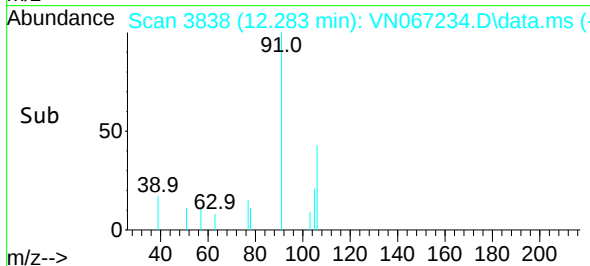
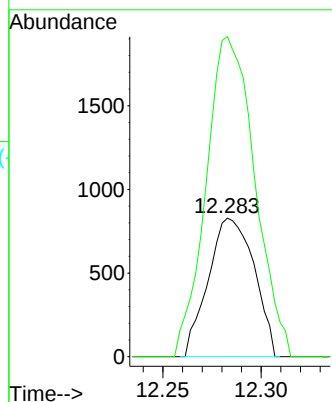
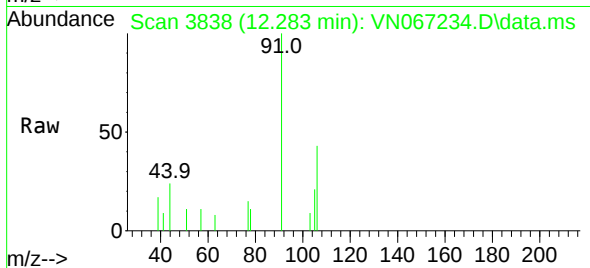




#69
o-Xylene
Concen: 0.236 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

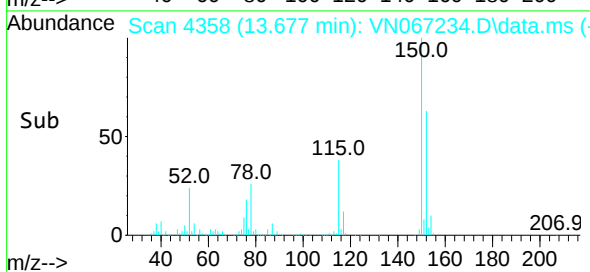
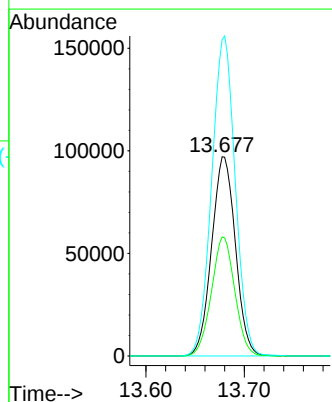
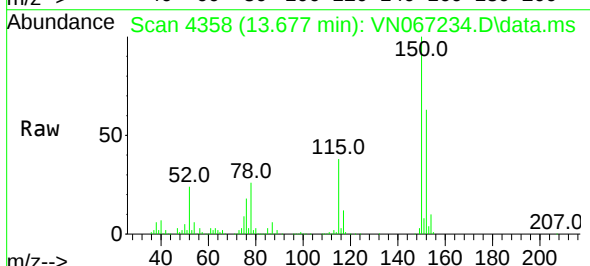
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MSVOA_N
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

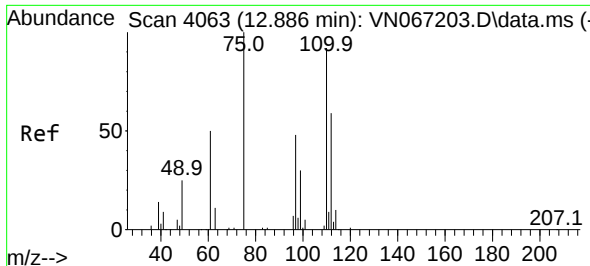
Tgt Ion:106 Resp: 1342
Ion Ratio Lower Upper
106 100
91 244.9 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

Tgt Ion:152 Resp: 163573
Ion Ratio Lower Upper
152 100
115 58.7 27.0 80.8
150 158.7 0.0 350.2

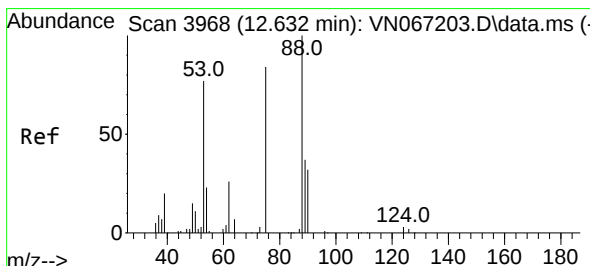
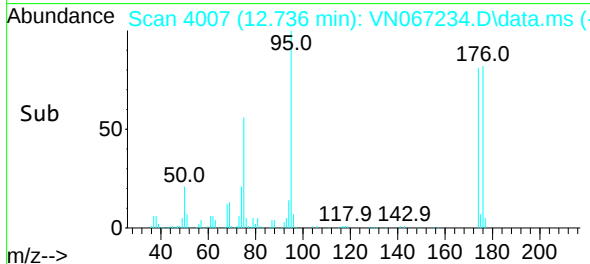
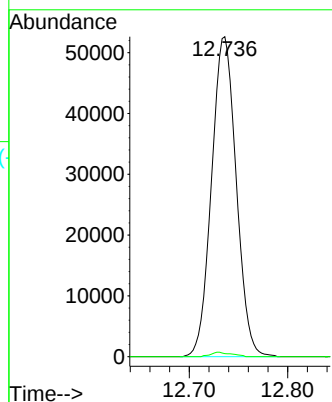
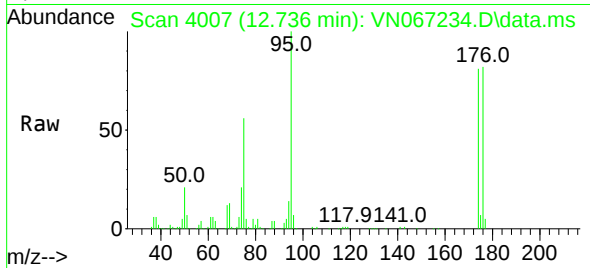




#76
1,2,3-Trichloropropane
Concen: 29.152 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

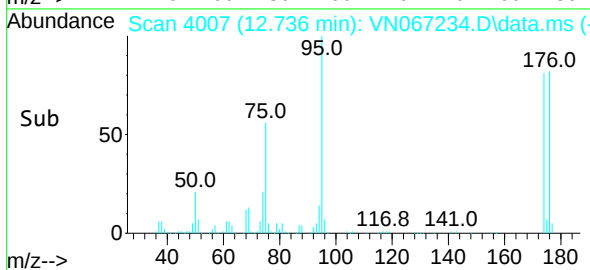
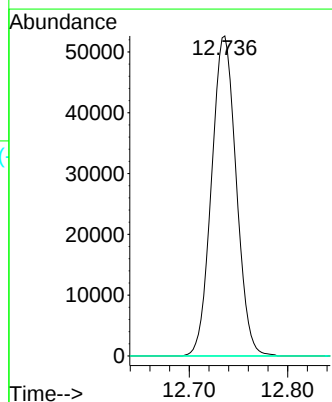
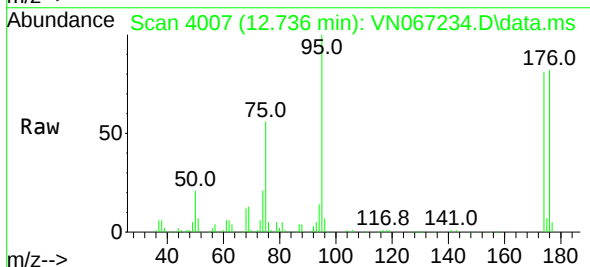
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MSVOA_N
ClientSampleId :
FOUNDATION-EXCAVATION-SAMP

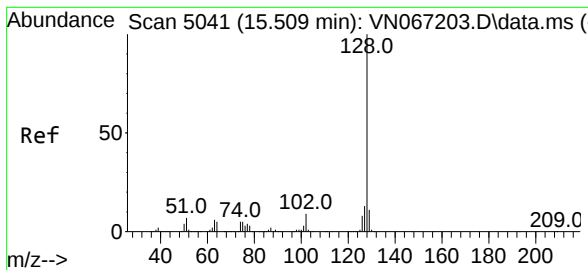
Tgt Ion: 75 Resp: 91700
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.326 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067234.D
Acq: 5 Jun 2021 16:49

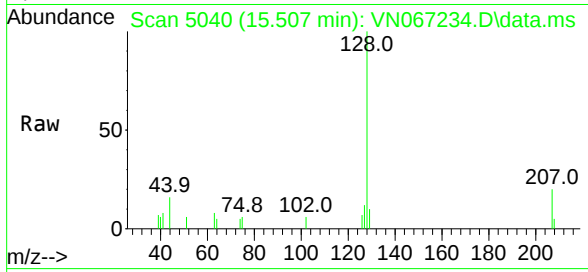
Tgt Ion: 75 Resp: 91700
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#





#95
 Naphthalene
 Concen: 5.221 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.002 min
 Lab File: VN067234.D
 Acq: 5 Jun 2021 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 FOUNDATION-EXCAVATION-SAMP



Tgt Ion:	128	Resp:	6354
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	9.4	8.6	13.0

