

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070421.D
 Acq On : 31 Dec 2021 2:12
 Operator : JC/MD
 Sample : M5179-05
 Misc : 3.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1ME

Quant Time: Dec 31 06:34:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

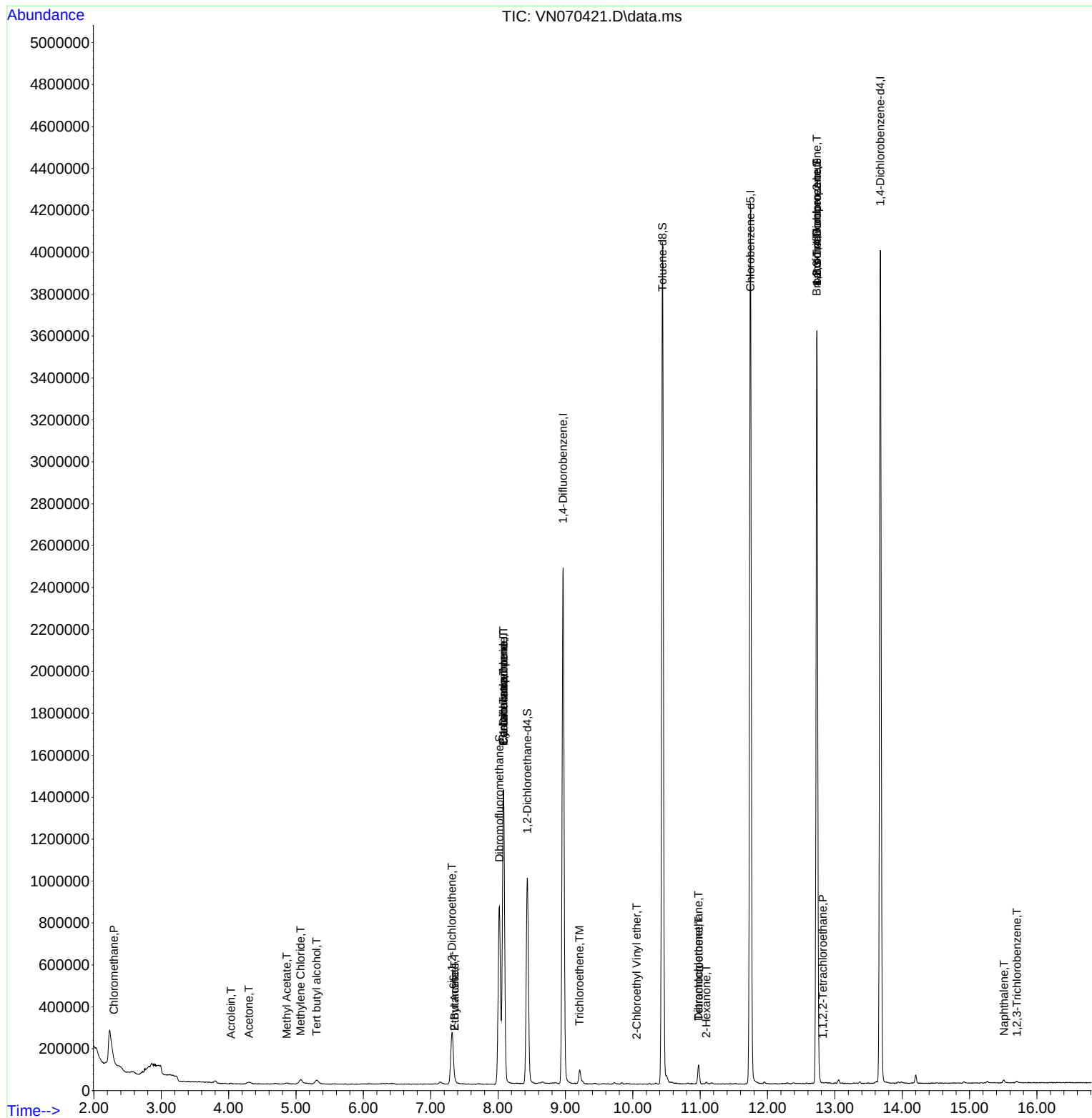
Internal Standards						
1) Pentafluorobenzene	8.080	168	1089311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2116873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2328775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1075182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	824123	52.619	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.240%			
35) Dibromofluoromethane	8.018	113	631061	49.270	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.540%			
50) Toluene-d8	10.440	98	2759984	52.749	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.500%			
62) 4-Bromofluorobenzene	12.733	95	1208347	63.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 127.880%			
Target Compounds						Qvalue
3) Chloromethane	2.298	50	4390	0.261	ug/l #	84
11) Tert butyl alcohol	5.304	59	19515	7.483	ug/l #	72
13) Acrolein	4.033	56	688	0.325	ug/l	92
16) Acetone	4.299	43	4051	0.398	ug/l #	85
18) Methyl Acetate	4.862	43	10679	0.363	ug/l #	80
20) Methylene Chloride	5.066	84	14748	1.048	ug/l	95
25) 2-Butanone	7.353	43	22389	1.749	ug/l	94
27) cis-1,2-Dichloroethene	7.313	96	144650	10.320	ug/l	97
31) Cyclohexane	8.080	56	25151	1.018	ug/l #	10
36) 1,1-Dichloropropene	8.080	75	86045	4.061	ug/l #	49
37) Ethyl Acetate	7.353	43	22389	0.815	ug/l #	68
38) Carbon Tetrachloride	8.080	117	107314	5.304	ug/l #	17
44) Trichloroethene	9.209	130	23297	1.509	ug/l	85
58) 2-Chloroethyl Vinyl ether	10.057	63	85	18.525	ug/l #	45
59) 2-Hexanone	11.092	43	5366	0.270	ug/l	89
60) Dibromochloromethane	10.974	129	20047	1.321	ug/l #	11
64) Tetrachloroethene	10.977	164	20301	1.204	ug/l	97
71) Bromoform	12.731	173	5117	0.391	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.822	83	402	0.458	ug/l #	79
76) 1,2,3-Trichloropropane	12.733	75	635316	21.602	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	635316	72.193	ug/l #	5
95) Naphthalene	15.512	128	12706	2.047	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.702	180	3026	1.002	ug/l	91

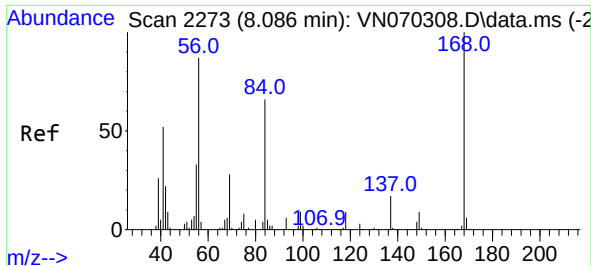
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070421.D
Acq On : 31 Dec 2021 2:12
Operator : JC/MD
Sample : M5179-05
Misc : 3.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

Quant Time: Dec 31 06:34:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

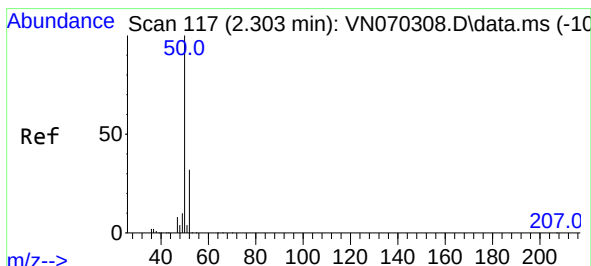
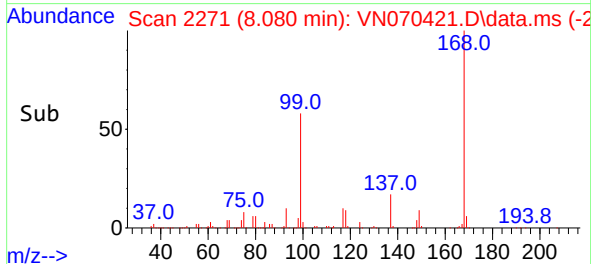
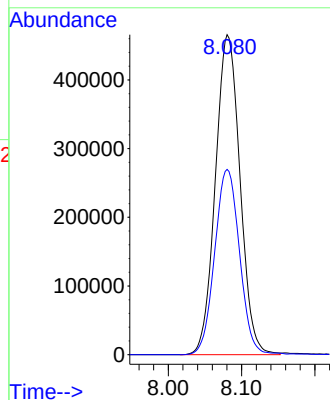
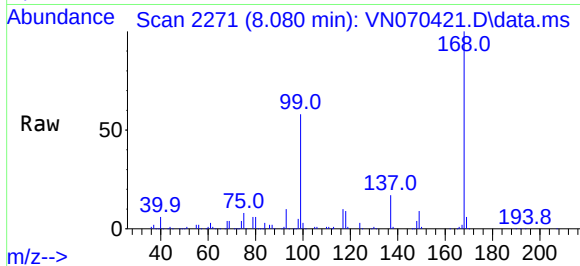




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

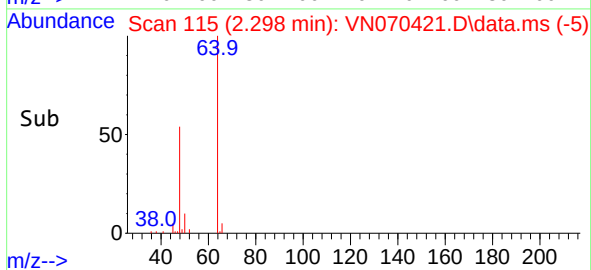
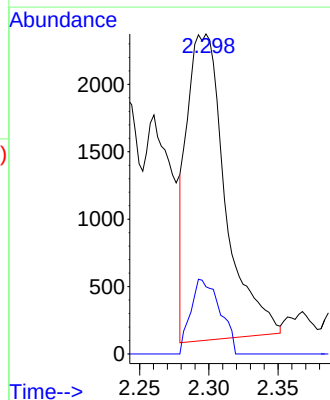
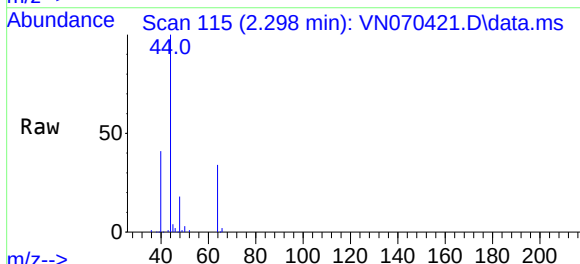
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

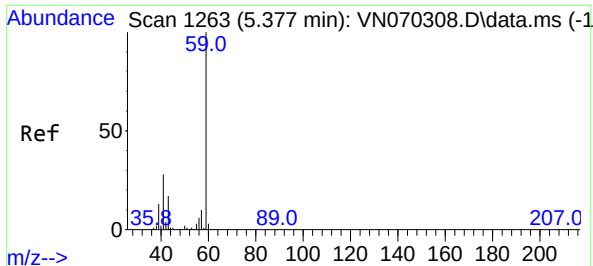
Tgt Ion:168 Resp: 1089311
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 50 Resp: 4390
Ion Ratio Lower Upper
50 100
52 23.0 25.4 38.0#

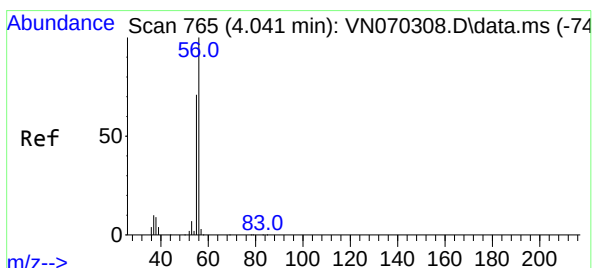
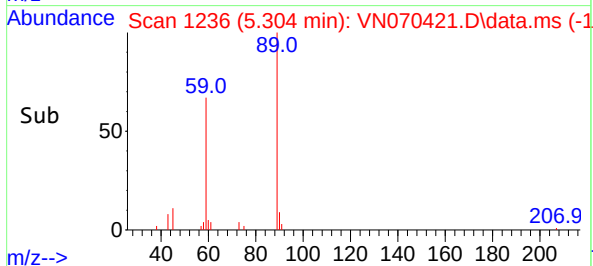
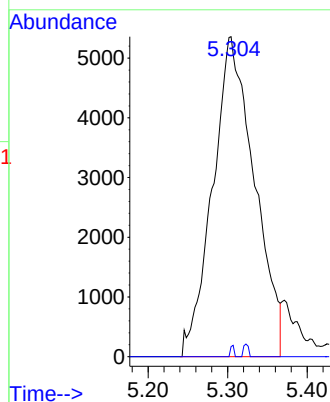
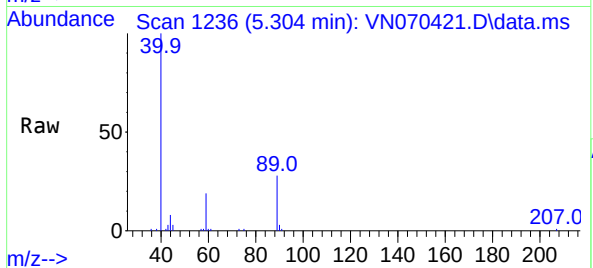




#11
Tert butyl alcohol
Concen: 7.483 ug/l
RT: 5.304 min Scan# 11
Delta R.T. -0.073 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

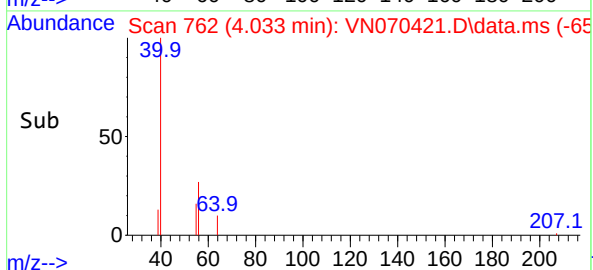
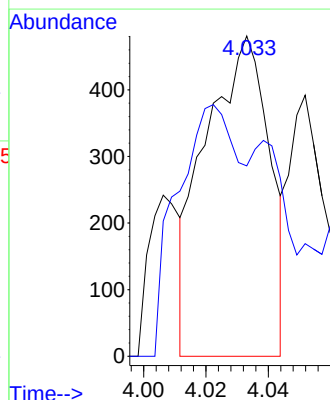
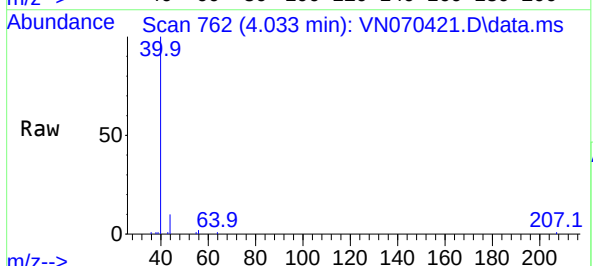
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

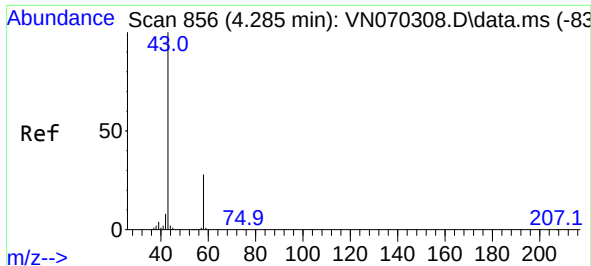
Tgt Ion: 59 Resp: 19515
Ion Ratio Lower Upper
59 100
57 0.3 8.7 13.1#



#13
Acrolein
Concen: 0.325 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 77.5 56.6 85.0

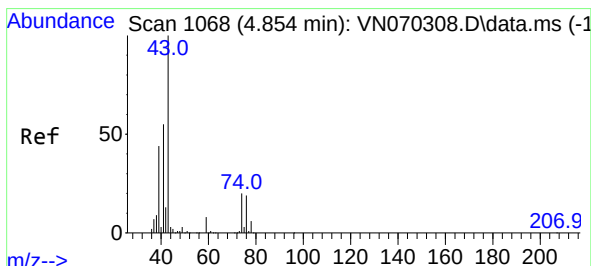
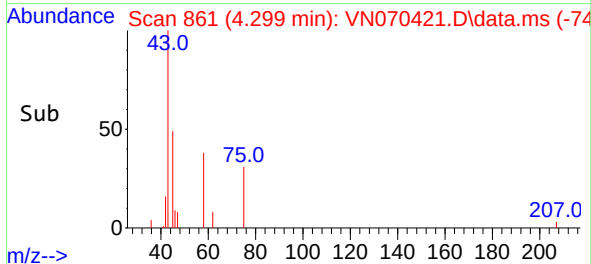
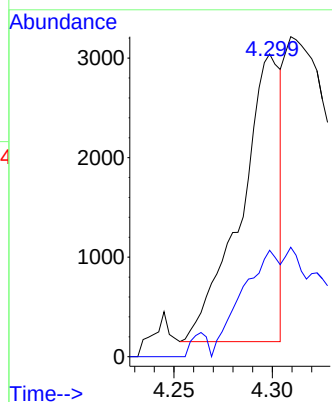
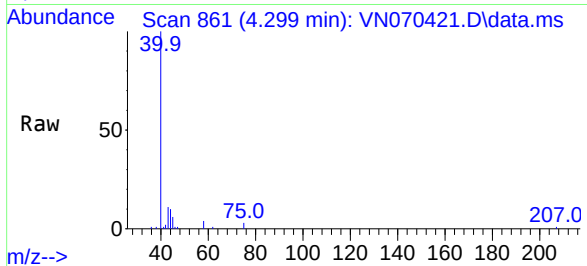




#16
Acetone
Concen: 0.398 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

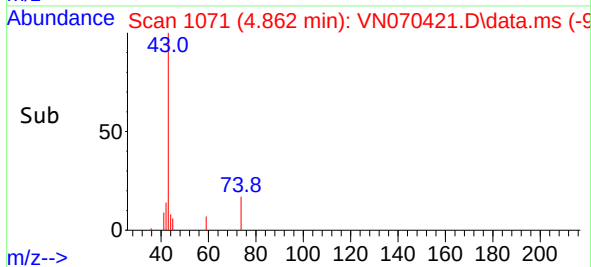
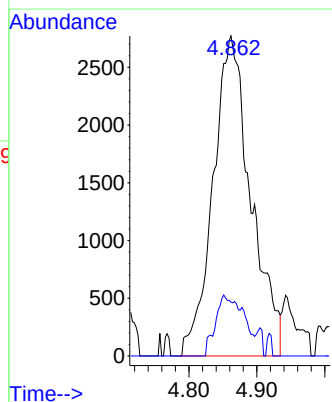
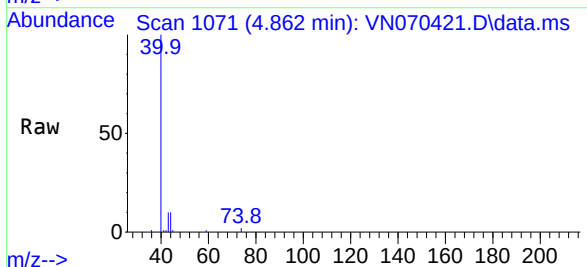
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

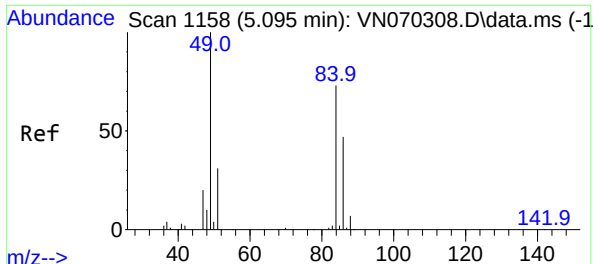
Tgt Ion: 43 Resp: 4051
Ion Ratio Lower Upper
43 100
58 37.0 23.1 34.7#



#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 43 Resp: 10679
Ion Ratio Lower Upper
43 100
74 14.2 19.4 29.2#

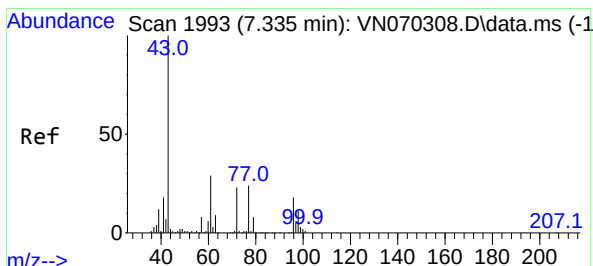
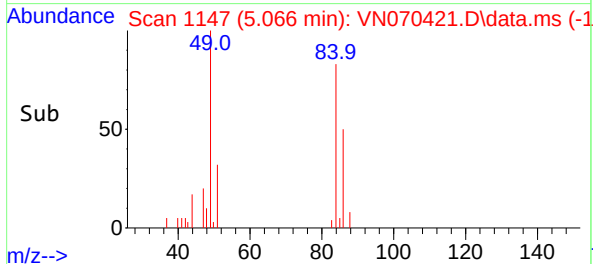
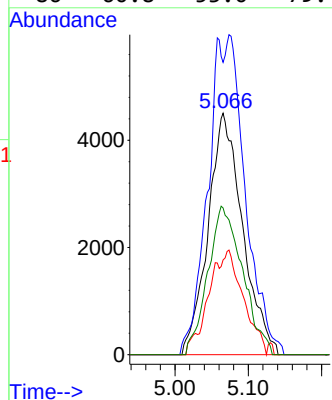
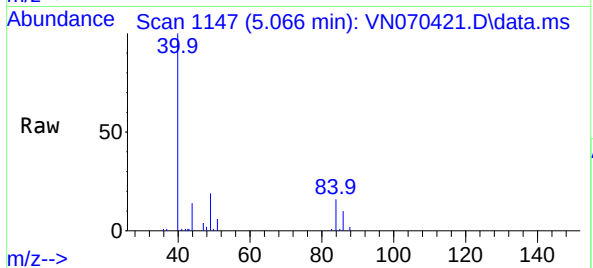




#20
Methylene Chloride
Concen: 1.048 ug/l
RT: 5.066 min Scan# 1158
Delta R.T. -0.029 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

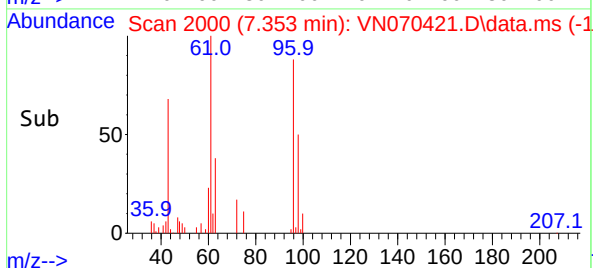
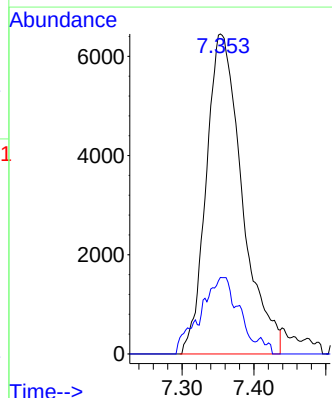
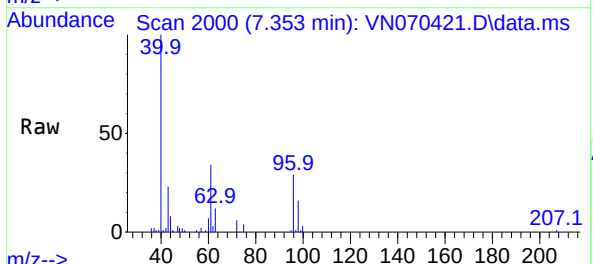
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

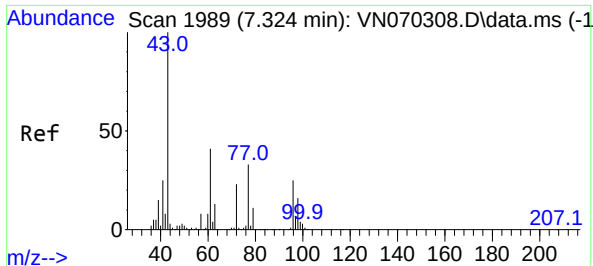
Tgt Ion:	84	Resp:	14748
Ion	Ratio	Lower	Upper
84	100		
49	121.0	93.5	140.3
51	39.2	29.4	44.2
86	60.8	53.0	79.4



#25
2-Butanone
Concen: 1.749 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion:	43	Resp:	22389
Ion	Ratio	Lower	Upper
43	100		
72	23.9	21.7	32.5

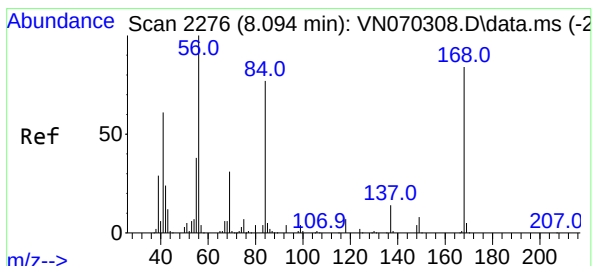
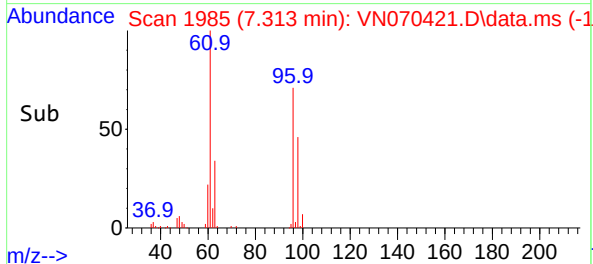
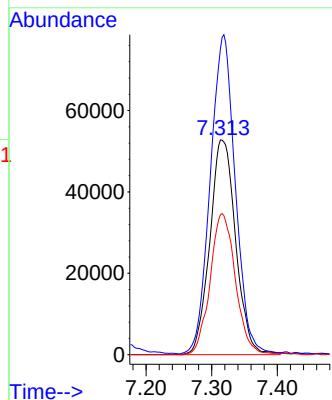
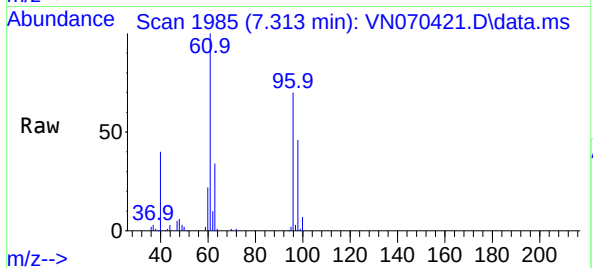




#27
 cis-1,2-Dichloroethene
 Concen: 10.320 ug/l
 RT: 7.313 min Scan# 1985
 Delta R.T. -0.011 min
 Lab File: VN070421.D
 Acq: 31 Dec 2021 2:12

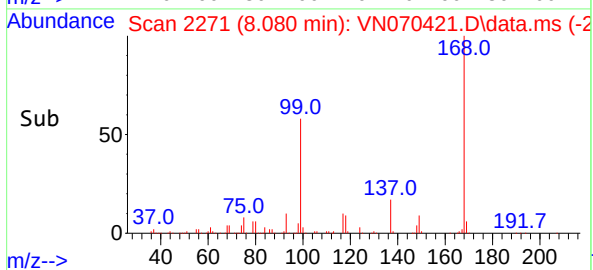
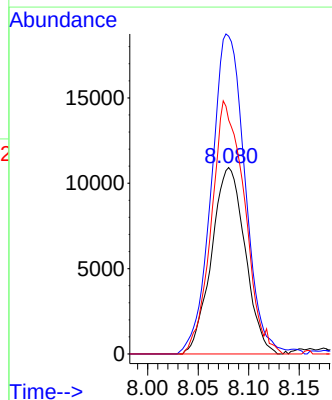
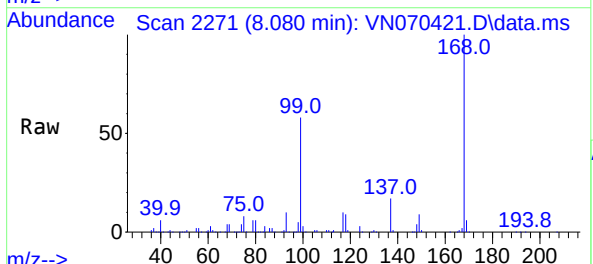
Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

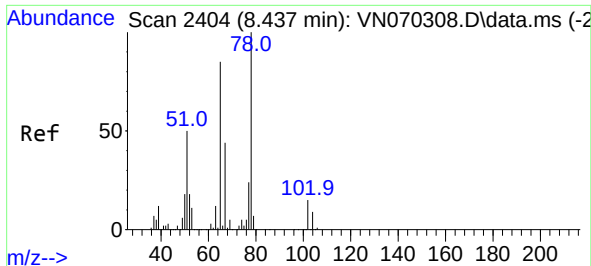
Tgt Ion: 96 Resp: 144650
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 275.0
 98 64.2 0.0 129.6



#31
 Cyclohexane
 Concen: 1.018 ug/l
 RT: 8.080 min Scan# 2271
 Delta R.T. -0.014 min
 Lab File: VN070421.D
 Acq: 31 Dec 2021 2:12

Tgt Ion: 56 Resp: 25151
 Ion Ratio Lower Upper
 56 100
 69 169.1 27.1 40.7#
 84 125.5 73.4 110.0#

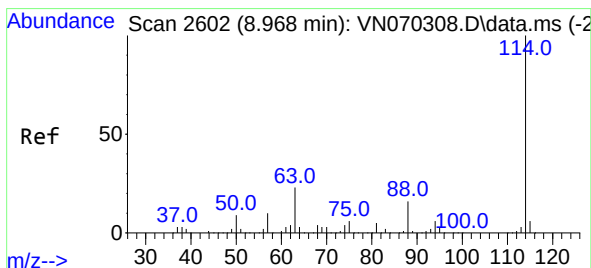
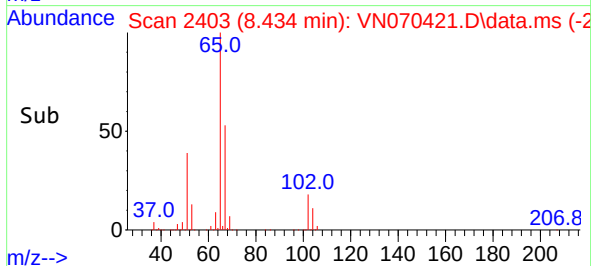
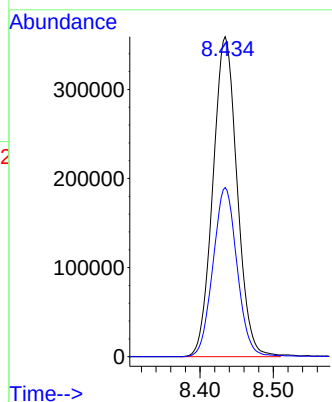
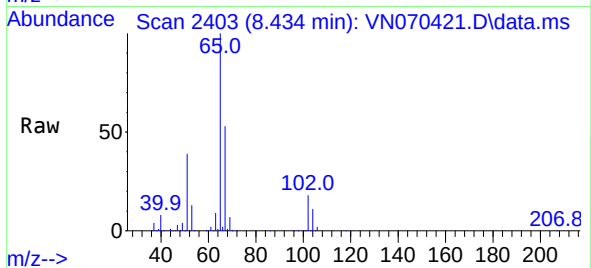




#33
 1,2-Dichloroethane-d4
 Concen: 52.619 ug/l
 RT: 8.434 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: VN070421.D
 Acq: 31 Dec 2021 2:12

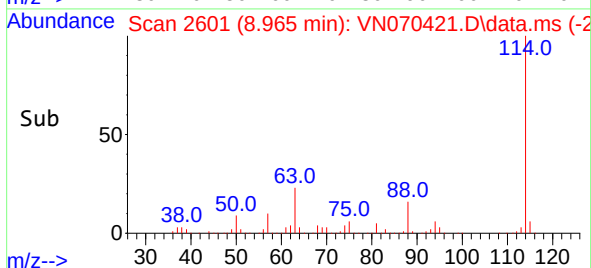
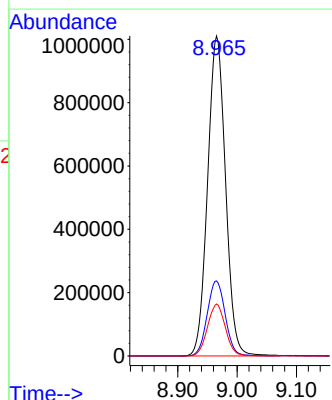
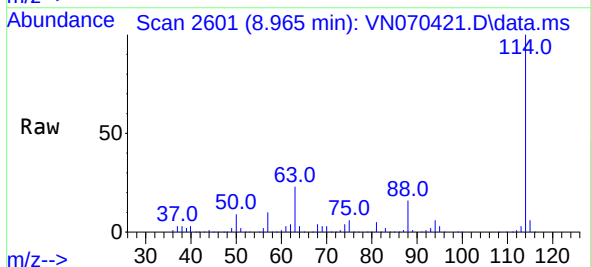
Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

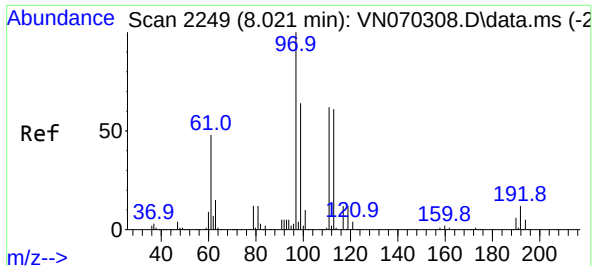
Tgt Ion: 65 Resp: 824123
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN070421.D
 Acq: 31 Dec 2021 2:12

Tgt Ion: 114 Resp: 2116873
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 37.8
 88 16.3 0.0 27.4

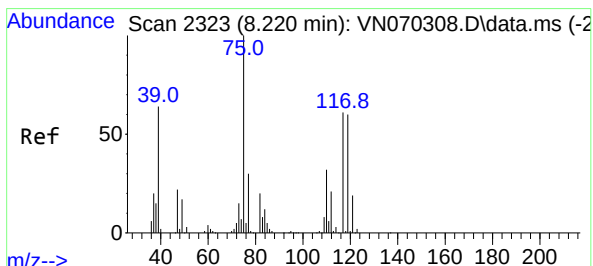
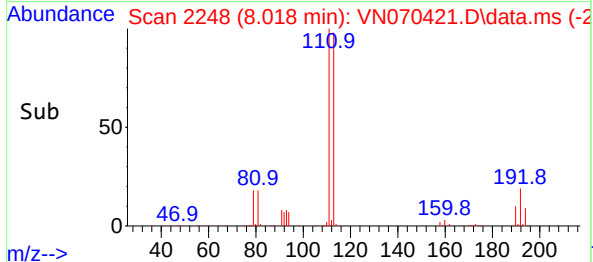
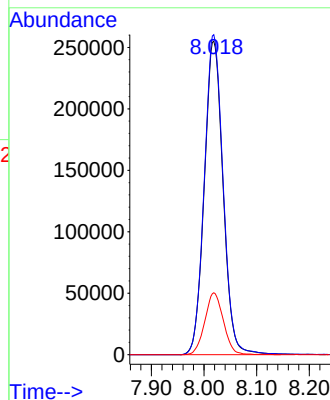
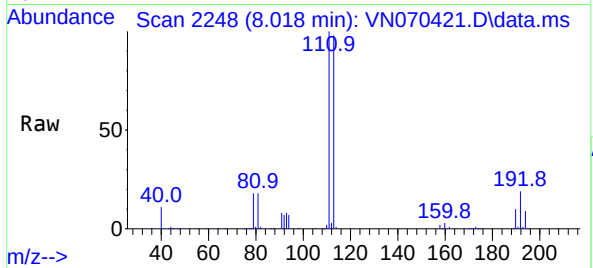




#35
Dibromofluoromethane
Concen: 49.270 ug/l
RT: 8.018 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

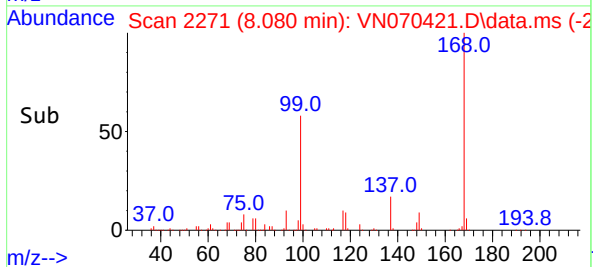
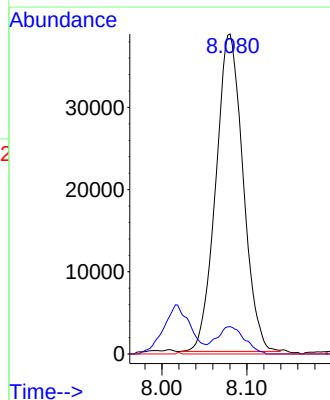
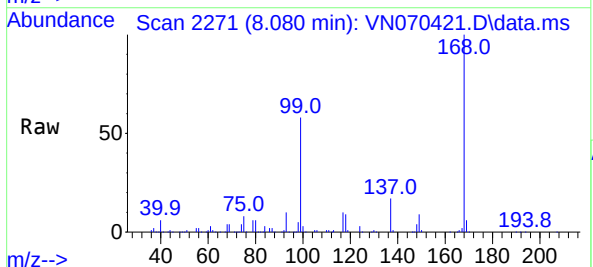
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

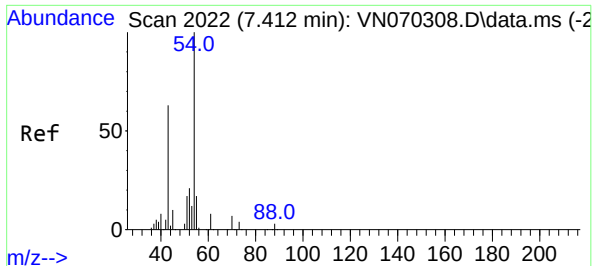
Tgt Ion:113 Resp: 631061
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.061 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.140 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 75 Resp: 86045
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.815 ug/l

RT: 7.353 min Scan# 20

Delta R.T. -0.059 min

Lab File: VN070421.D

Acq: 31 Dec 2021 2:12

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-1ME

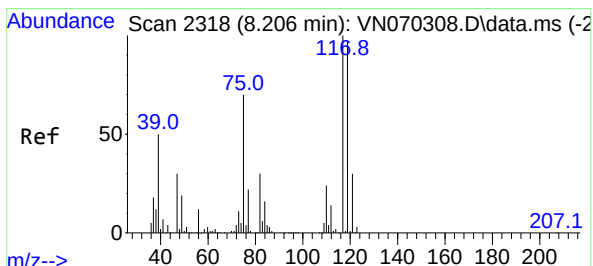
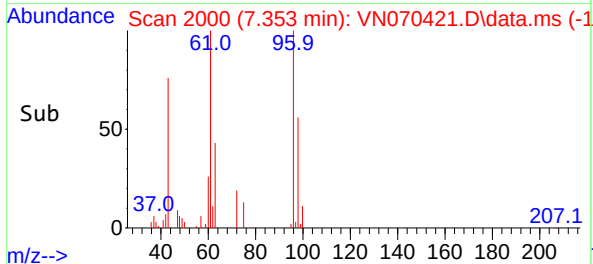
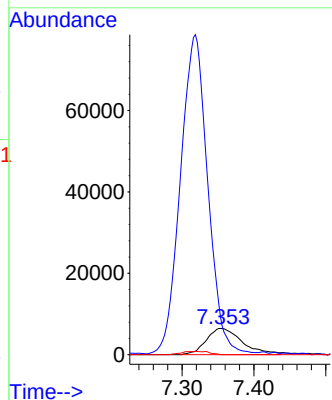
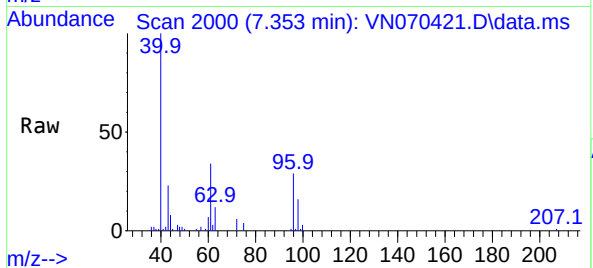
Tgt Ion: 43 Resp: 22389

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.304 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.126 min

Lab File: VN070421.D

Acq: 31 Dec 2021 2:12

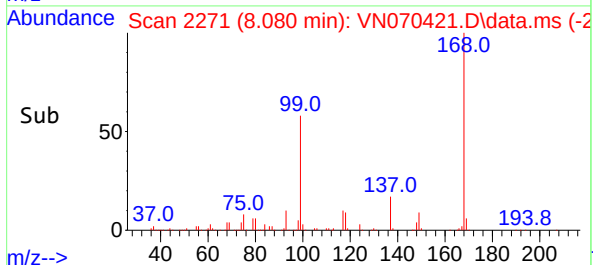
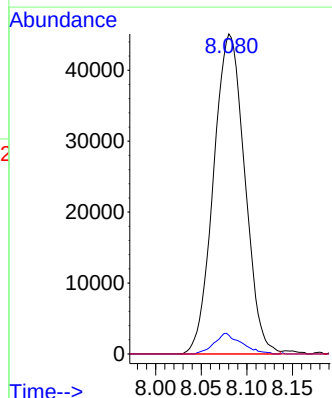
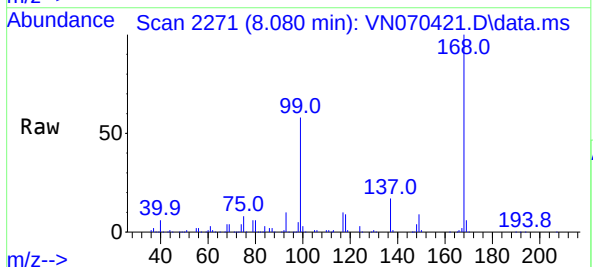
Tgt Ion: 117 Resp: 107314

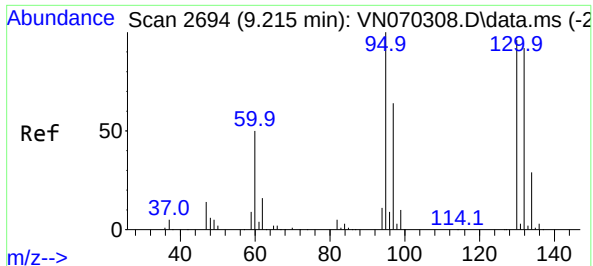
Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

121 0.0 24.2 36.2#

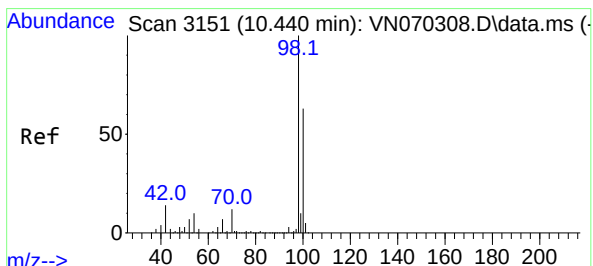
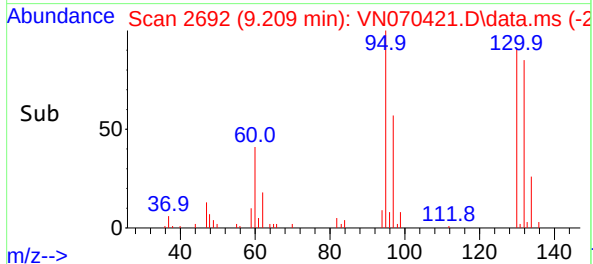
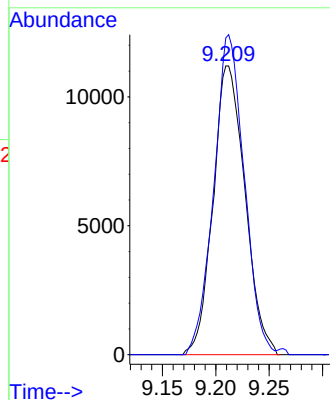
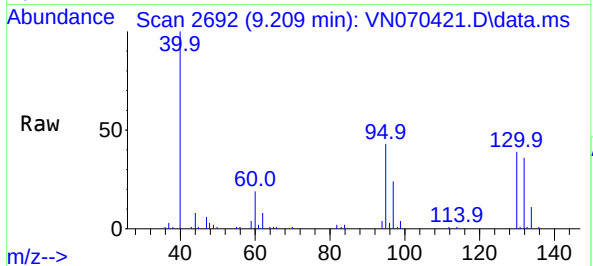




#44
Trichloroethene
Concen: 1.509 ug/l
RT: 9.209 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

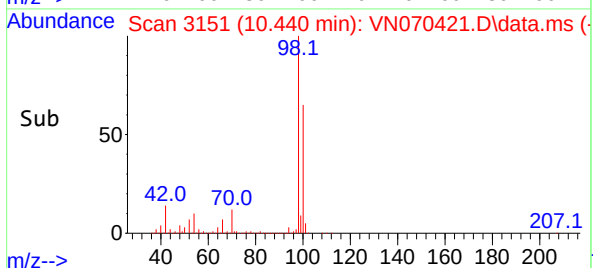
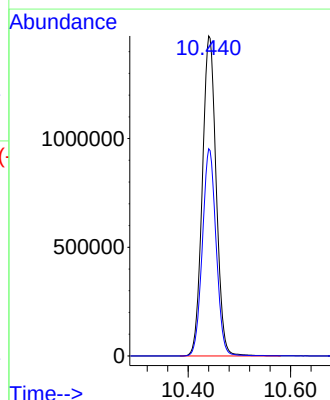
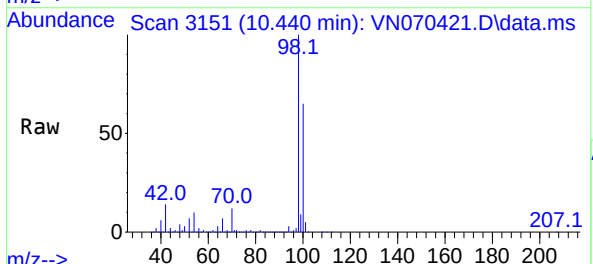
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

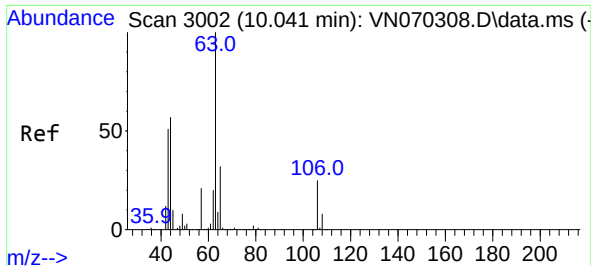
Tgt Ion:130 Resp: 23297
Ion Ratio Lower Upper
130 100
95 109.8 0.0 191.2



#50
Toluene-d8
Concen: 52.749 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 98 Resp: 2759984
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

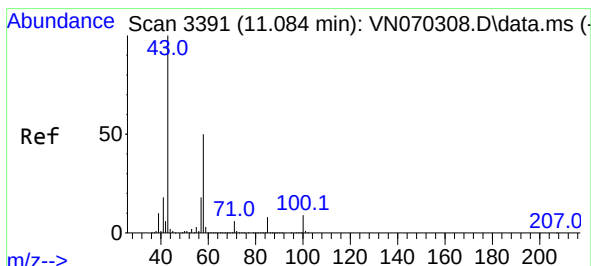
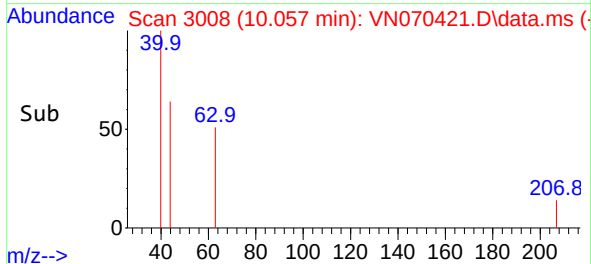
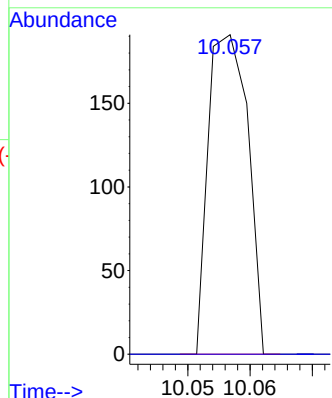
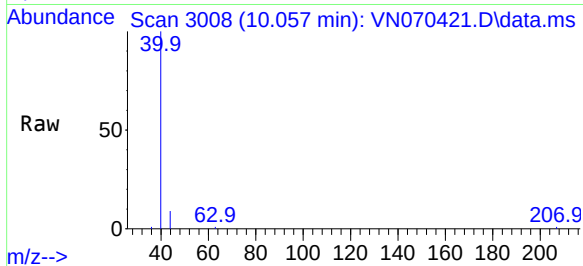




#58
2-Chloroethyl Vinyl ether
Concen: 18.525 ug/l
RT: 10.057 min Scan# 3002
Delta R.T. 0.016 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

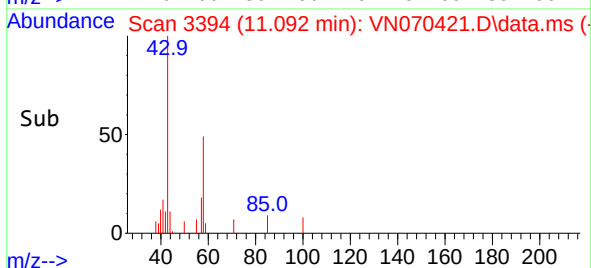
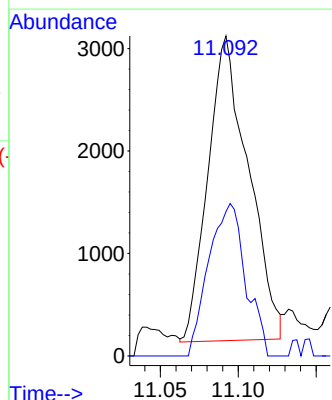
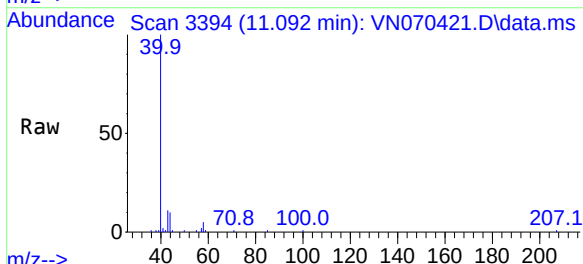
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

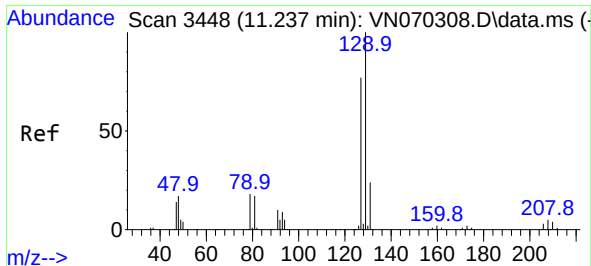
Tgt Ion: 63 Resp: 85
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.270 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 43 Resp: 5366
Ion Ratio Lower Upper
43 100
58 45.7 26.9 80.7

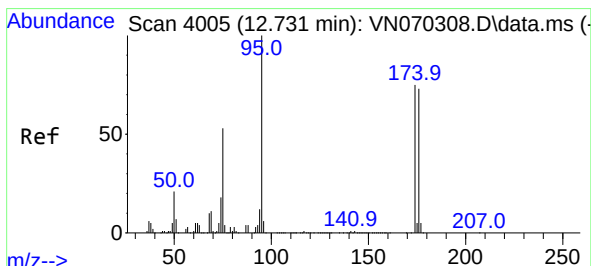
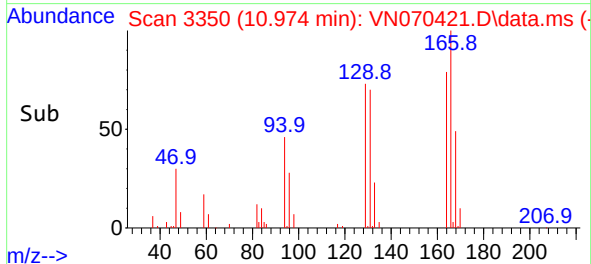
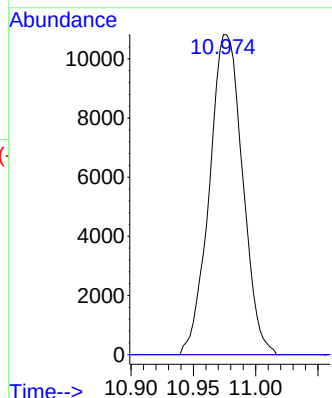
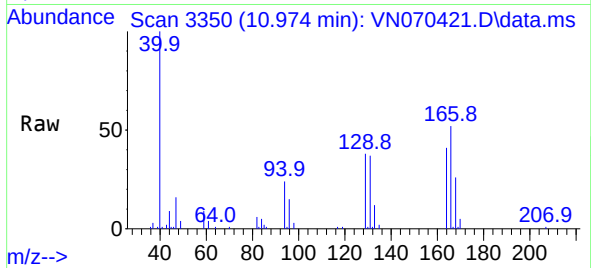




#60
Dibromochloromethane
Concen: 1.321 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

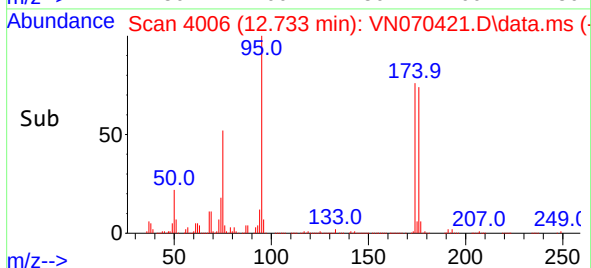
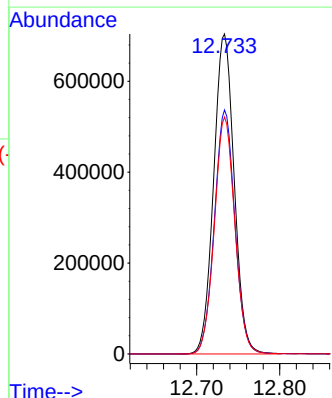
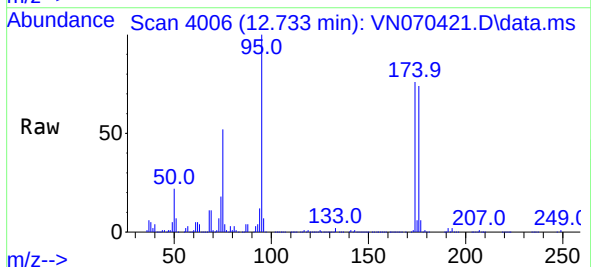
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

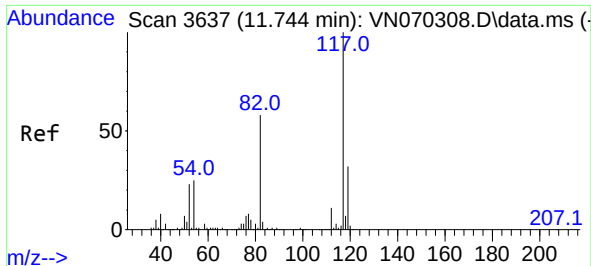
Tgt Ion:129 Resp: 20047
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 63.941 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 95 Resp: 1208347
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 74.0 0.0 181.4

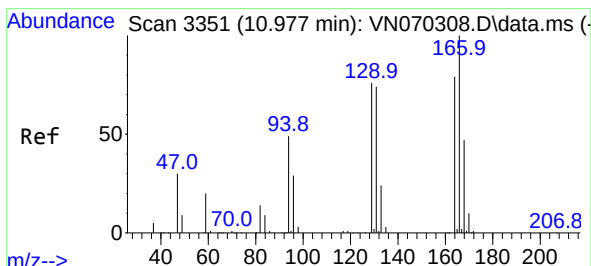
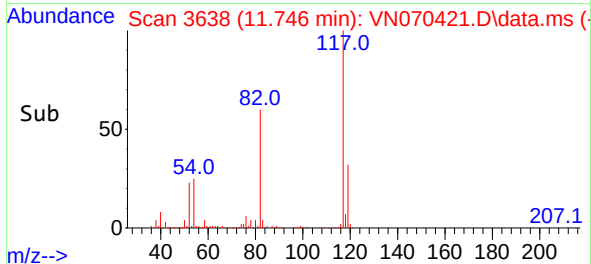
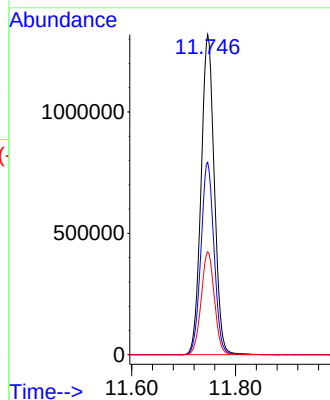
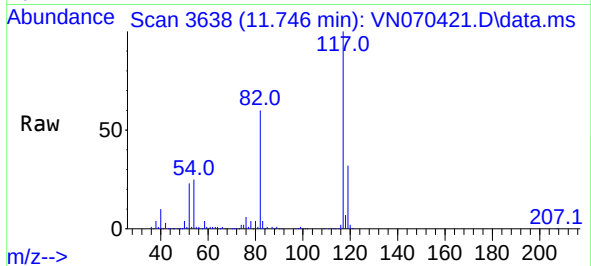




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3637
Delta R.T. 0.002 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

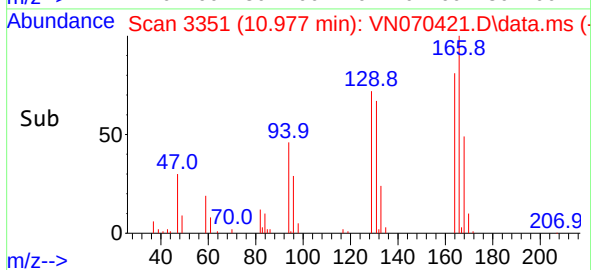
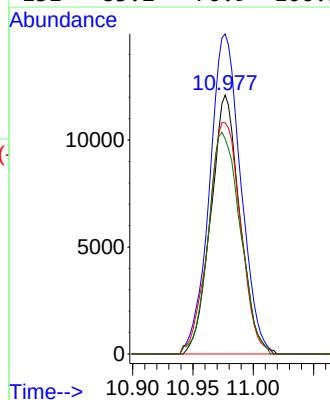
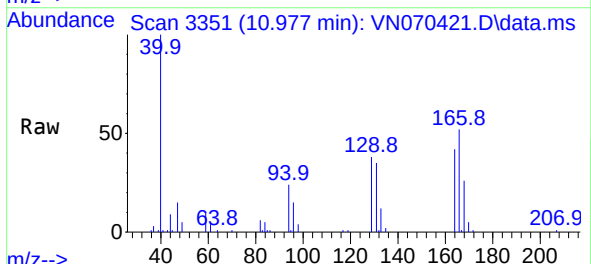
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

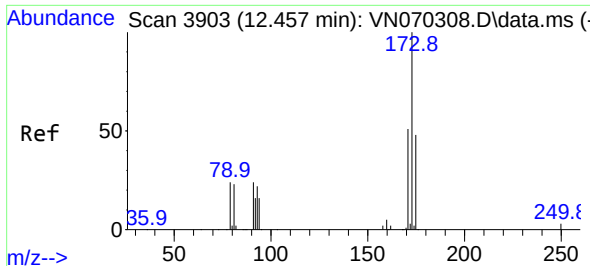
Tgt Ion:117 Resp: 2328775
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 1.204 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion:164 Resp: 20301
Ion Ratio Lower Upper
164 100
166 123.6 101.9 152.9
129 89.3 72.0 108.0
131 83.2 70.9 106.3

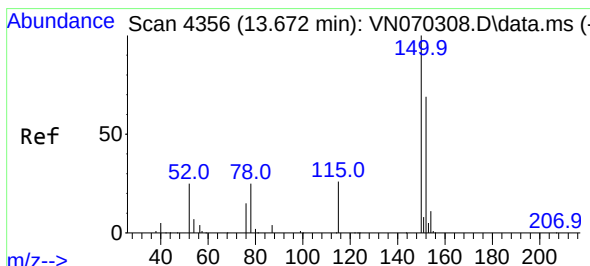
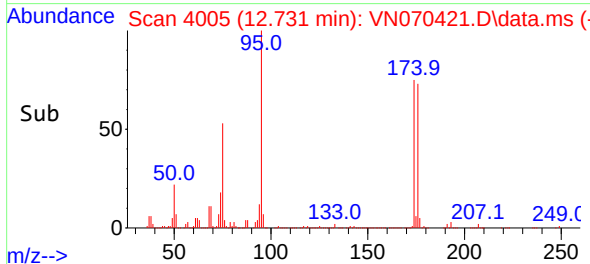
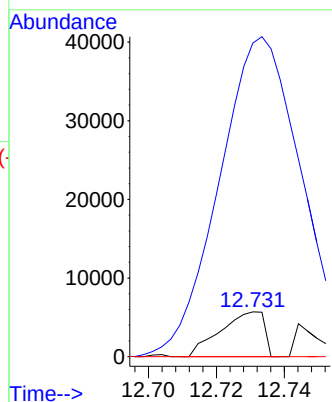
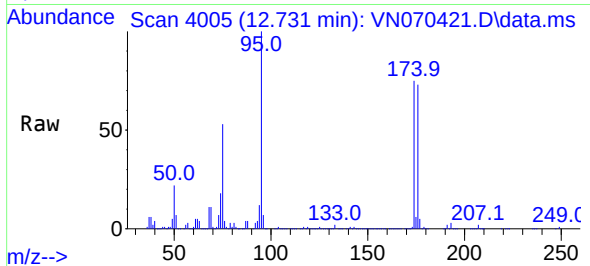




#71
Bromoform
Concen: 0.391 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.274 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

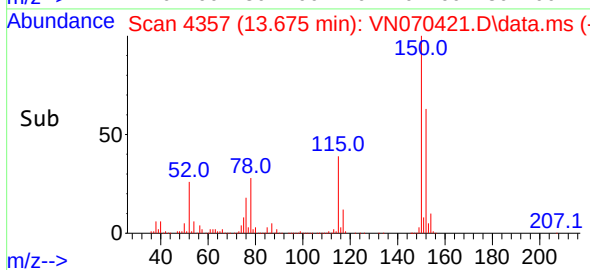
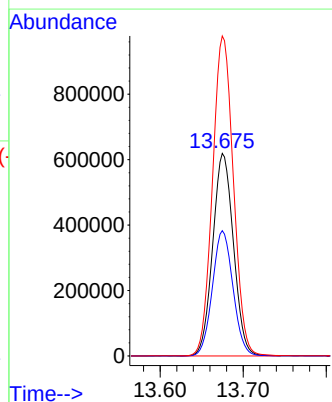
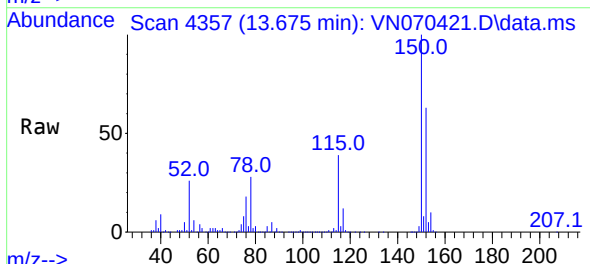
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1ME

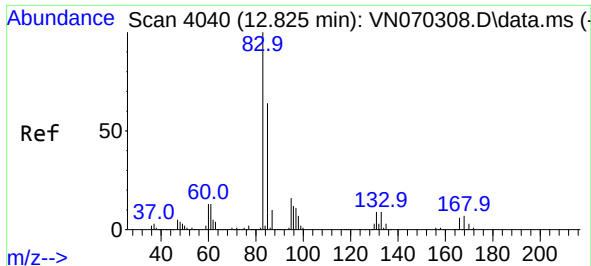
Tgt Ion:173 Resp: 5117
Ion Ratio Lower Upper
173 100
175 1217.6 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion:152 Resp: 1075182
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 158.8 0.0 344.4

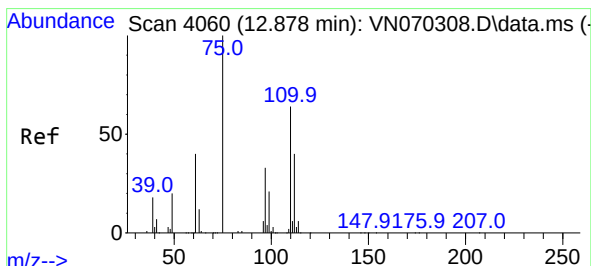
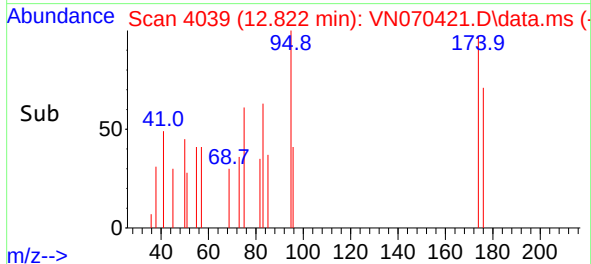
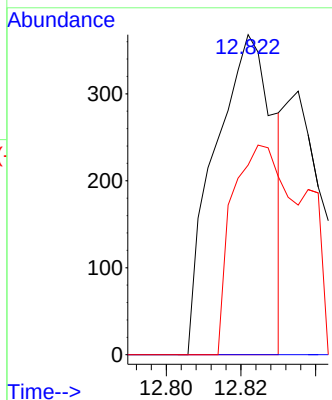
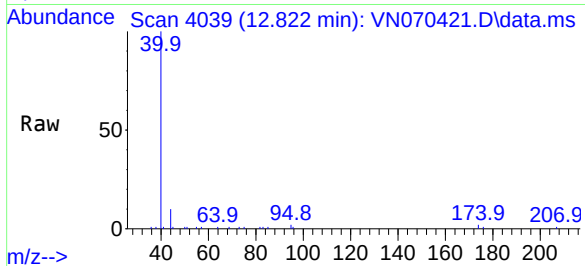




#75
1,1,2,2-Tetrachloroethane
Concen: 0.458 ug/l
RT: 12.822 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

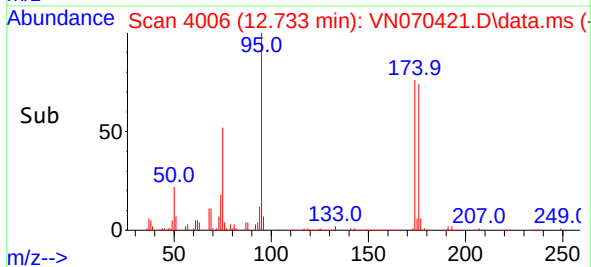
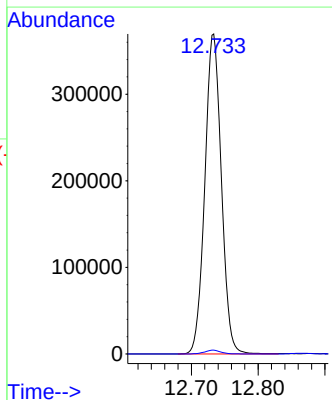
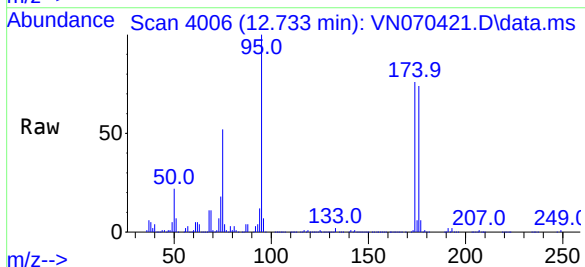
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

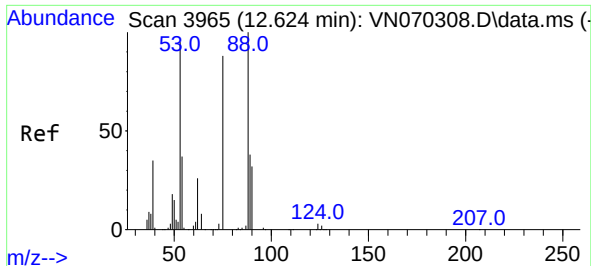
Tgt Ion: 83 Resp: 402
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 80.3 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 21.602 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

Tgt Ion: 75 Resp: 635316
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

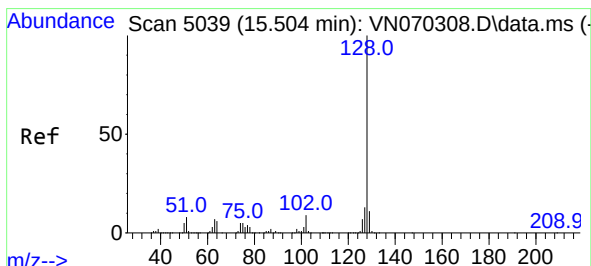
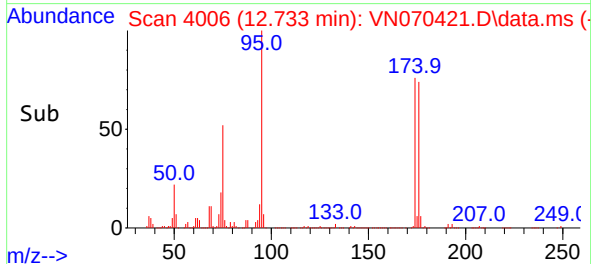
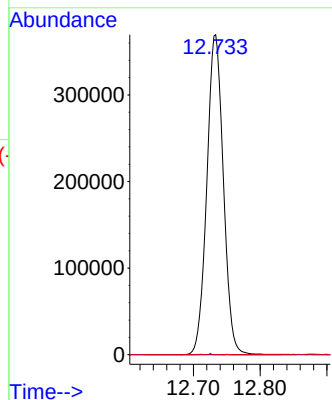
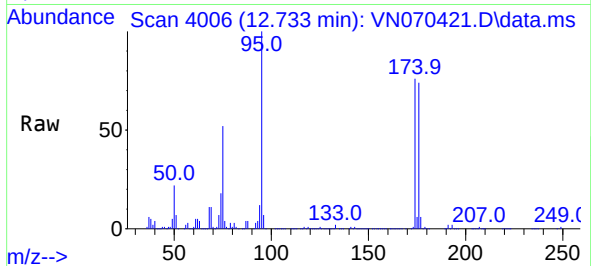




#81
trans-1,4-Dichloro-2-butene
Concen: 72.193 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

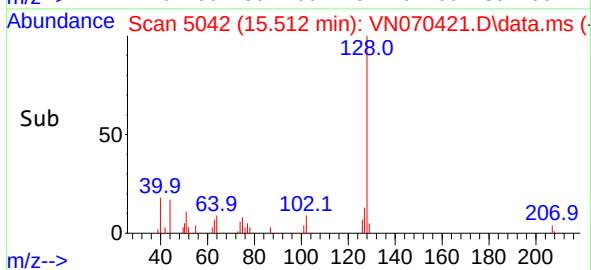
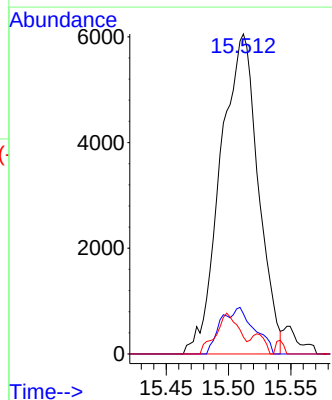
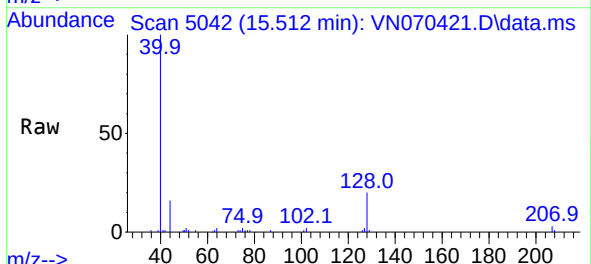
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1ME

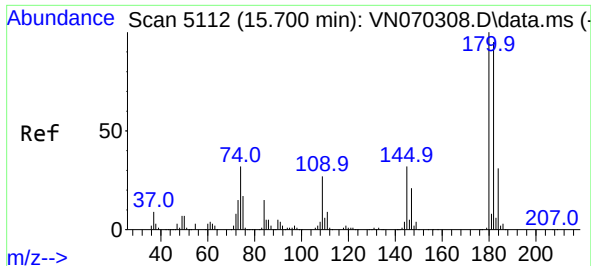
Tgt Ion: 75 Resp: 635316
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.047 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.008 min
Lab File: VN070421.D
Acq: 31 Dec 2021 2:12

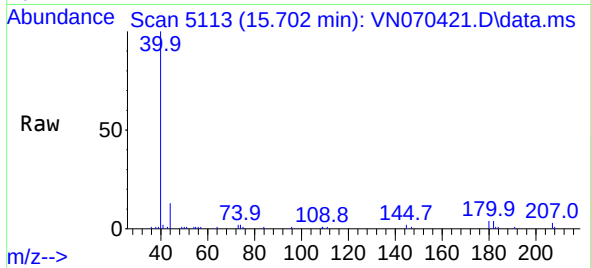
Tgt Ion:128 Resp: 12706
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 2.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.002 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.002 min
 Lab File: VN070421.D
 Acq: 31 Dec 2021 2:12

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1ME



Tgt Ion:	180	Resp:	3026
Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.4	142.2
145	18.1	15.0	45.1

