

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070423.D
 Acq On : 31 Dec 2021 3:04
 Operator : JC/MD
 Sample : M5179-03MS
 Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMS

Quant Time: Dec 31 06:35:24 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	8.083	168	916632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1517031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1335267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	635783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	632034	47.956	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.920%
35) Dibromofluoromethane	8.019	113	461463	50.275	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.540%
50) Toluene-d8	10.443	98	1738820	46.373	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.740%
62) 4-Bromofluorobenzene	12.734	95	634275	46.835	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.067	85	427637	41.138	ug/l	100
3) Chloromethane	2.298	50	656796	46.448	ug/l	98
4) Vinyl Chloride	2.448	62	627121	48.711	ug/l	100
5) Bromomethane	2.810	94	200906	30.234	ug/l	100
6) Chloroethane	2.923	64	181306	23.385	ug/l	97
7) Trichlorofluoromethane	3.277	101	671217	43.316	ug/l	97
8) Diethyl Ether	3.803	74	350905	51.369	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.146	101	424469	44.785	ug/l	96
10) Methyl Iodide	4.374	142	594331	46.336	ug/l	98
11) Tert butyl alcohol	5.304	59	35475	16.166	ug/l #	71
12) 1,1-Dichloroethene	4.124	96	455383	48.780	ug/l	90
13) Acrolein	4.028	56	402416	226.008	ug/l	99
14) Allyl chloride	4.803	41	1077690	50.917	ug/l	85
15) Acrylonitrile	5.559	53	1903584	277.983	ug/l	98
16) Acetone	4.304	43	1701281	198.852	ug/l	100
17) Carbon Disulfide	4.473	76	1240691	48.688	ug/l	99
18) Methyl Acetate	4.854	43	1445952	58.426	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	1764236	50.888	ug/l	95
20) Methylene Chloride	5.068	84	569040	48.073	ug/l #	86
21) trans-1,2-Dichloroethene	5.570	96	500379	50.623	ug/l	85
22) Diisopropyl ether	6.498	45	2179308	52.863	ug/l	92
23) Vinyl Acetate	6.428	43	7440627	232.624	ug/l #	94
24) 1,1-Dichloroethane	6.372	63	1076377	50.354	ug/l	98
25) 2-Butanone	7.348	43	2680211	248.803	ug/l	90
26) 2,2-Dichloropropane	7.316	77	608626	36.092	ug/l	96
27) cis-1,2-Dichloroethene	7.319	96	965454	81.858	ug/l	92
28) Bromochloromethane	7.654	49	511551	48.934	ug/l #	75
29) Tetrahydrofuran	7.691	42	1869000	290.795	ug/l #	86
30) Chloroform	7.815	83	1020802	49.501	ug/l	100
31) Cyclohexane	8.086	56	973517	46.809	ug/l	86
32) 1,1,1-Trichloroethane	8.008	97	842364	48.446	ug/l	95
36) 1,1-Dichloropropene	8.214	75	755258	49.740	ug/l	96
37) Ethyl Acetate	7.348	43	2680211	136.177	ug/l #	68
38) Carbon Tetrachloride	8.198	117	704121	48.563	ug/l	99
39) Methylcyclohexane	9.456	83	833389	45.335	ug/l	89
40) Benzene	8.453	78	2357088	50.634	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070423.D
 Acq On : 31 Dec 2021 3:04
 Operator : JC/MD
 Sample : M5179-03MS
 Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMS

Quant Time: Dec 31 06:35:24 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)
41) Methacrylonitrile	7.640	41	464843	47.219	ug/l	96
42) 1,2-Dichloroethane	8.528	62	848942	48.518	ug/l	99
43) Isopropyl Acetate	8.566	43	1556240	50.151	ug/l #	87
44) Trichloroethene	9.212	130	657647	59.456	ug/l	92
45) 1,2-Dichloropropane	9.488	63	644180	51.396	ug/l	100
46) Dibromomethane	9.577	93	384984	49.397	ug/l	94
47) Bromodichloromethane	9.762	83	778446	50.302	ug/l	99
48) Methyl methacrylate	9.566	41	731867	49.446	ug/l #	81
49) 1,4-Dioxane	9.582	88	233658	1078.424	ug/l #	83
51) 4-Methyl-2-Pentanone	10.339	43	5101685	261.644	ug/l	96
52) Toluene	10.505	92	1336552	47.434	ug/l	97
53) t-1,3-Dichloropropene	10.722	75	771107	46.027	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	880342	48.576	ug/l	95
55) 1,1,2-Trichloroethane	10.902	97	522191	46.839	ug/l	97
56) Ethyl methacrylate	10.765	69	891010	48.369	ug/l #	88
57) 1,3-Dichloropropane	11.047	76	942825	47.814	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	1396870	293.399	ug/l	89
59) 2-Hexanone	11.092	43	3680244	258.821	ug/l	94
60) Dibromochloromethane	11.242	129	534704	49.157	ug/l	100
61) 1,2-Dibromoethane	11.347	107	530865	46.896	ug/l	99
64) Tetrachloroethene	10.977	164	633821	65.550	ug/l	96
65) Chlorobenzene	11.773	112	1301690	45.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	489541	48.401	ug/l	99
67) Ethyl Benzene	11.846	91	2468466	47.553	ug/l	96
68) m/p-Xylenes	11.953	106	1823165	96.487	ug/l	94
69) o-Xylene	12.280	106	901326	47.957	ug/l	93
70) Styrene	12.296	104	1517799	51.025	ug/l	96
71) Bromoform	12.460	173	408901	54.474	ug/l #	99
73) Isopropylbenzene	12.581	105	2347998	39.768	ug/l	98
74) N-amyl acetate	12.390	43	1180205	47.541	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.830	83	843379	42.969	ug/l	98
76) 1,2,3-Trichloropropane	12.884	75	1028377	54.383	ug/l #	1
77) Bromobenzene	12.862	156	551147	40.660	ug/l	75
78) n-propylbenzene	12.921	91	2780749	42.508	ug/l	96
79) 2-Chlorotoluene	13.010	91	1695038	40.383	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	2015602	42.601	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.629	75	238816	45.893	ug/l	96
82) 4-Chlorotoluene	13.106	91	1657296	42.152	ug/l	93
83) tert-Butylbenzene	13.324	119	1722884	41.355	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	2018259	44.300	ug/l	98
85) sec-Butylbenzene	13.501	105	2468236	43.638	ug/l	97
86) p-Isopropyltoluene	13.616	119	1988297	44.750	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1006809	44.369	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	983038	43.918	ug/l	98
89) n-Butylbenzene	13.943	91	1688656	45.565	ug/l	97
90) Hexachloroethane	14.211	117	358870	46.493	ug/l	91
91) 1,2-Dichlorobenzene	13.989	146	1014632	45.611	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	177876	52.007	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	521507	49.755	ug/l	99
94) Hexachlorobutadiene	15.370	225	305397	50.133	ug/l	98
95) Naphthalene	15.507	128	1480662	51.074	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	523458	52.174	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070423.D
Acq On : 31 Dec 2021 3:04
Operator : JC/MD
Sample : M5179-03MS
Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

Quant Time: Dec 31 06:35:24 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

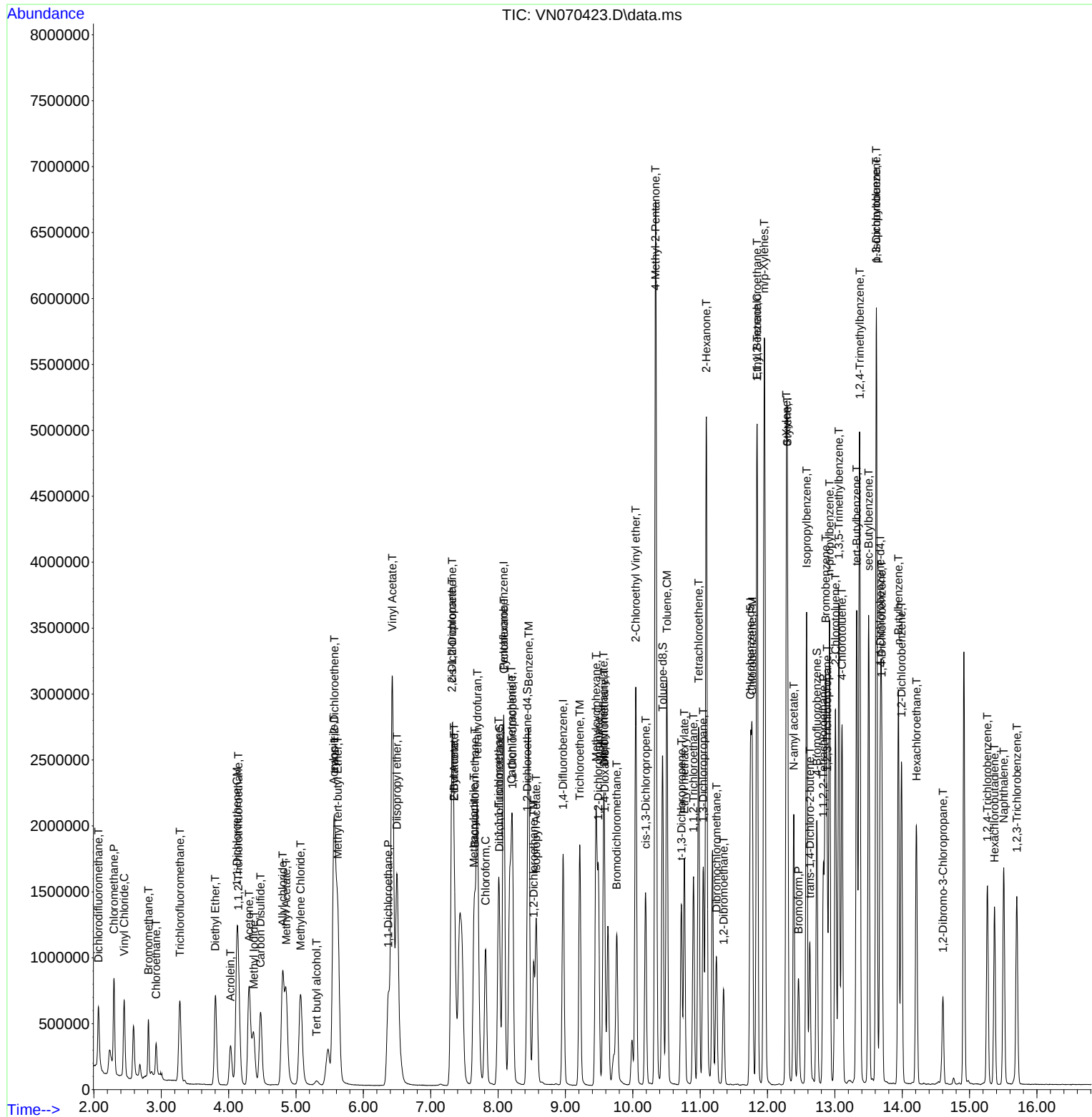
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

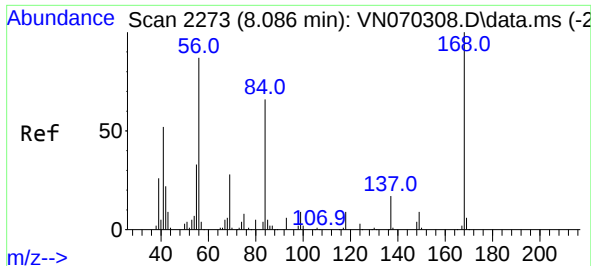
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070423.D
 Acq On : 31 Dec 2021 3:04
 Operator : JC/MD
 Sample : M5179-03MS
 Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMS

Quant Time: Dec 31 06:35:24 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

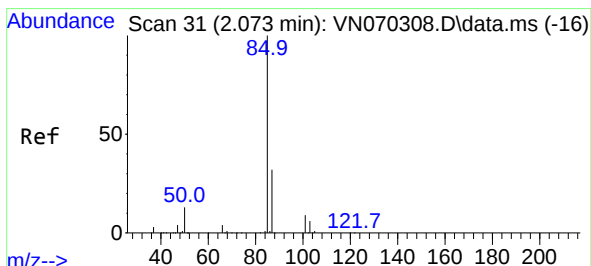
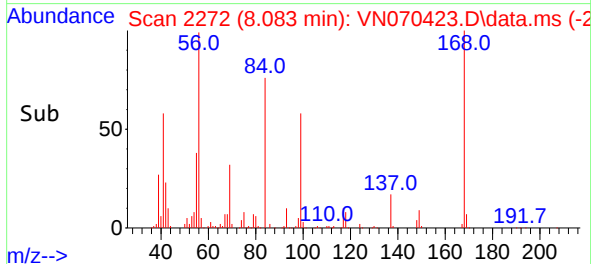
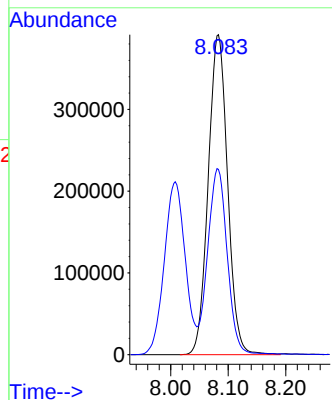
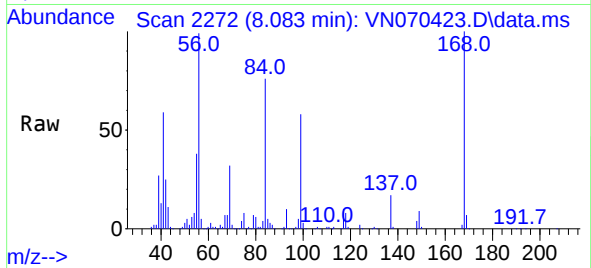




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

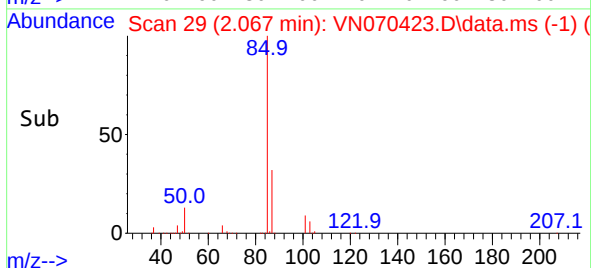
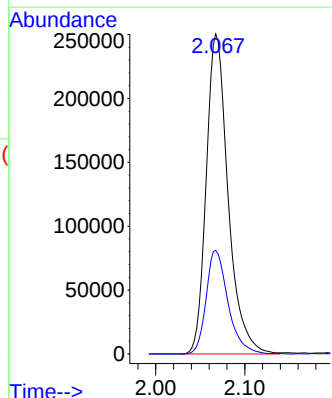
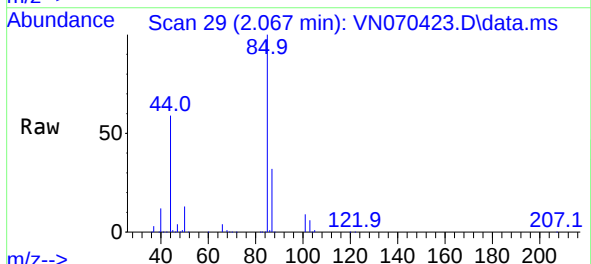
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

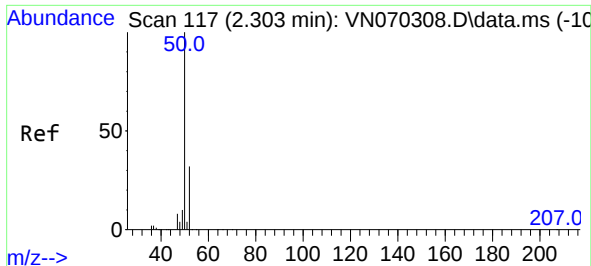
Tgt Ion:168 Resp: 916632
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 41.138 ug/l
RT: 2.067 min Scan# 29
Delta R.T. -0.006 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 85 Resp: 427637
Ion Ratio Lower Upper
85 100
87 32.4 16.3 48.9

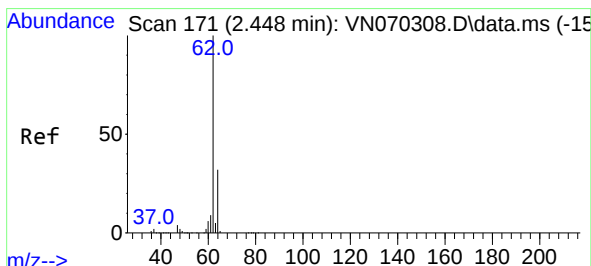
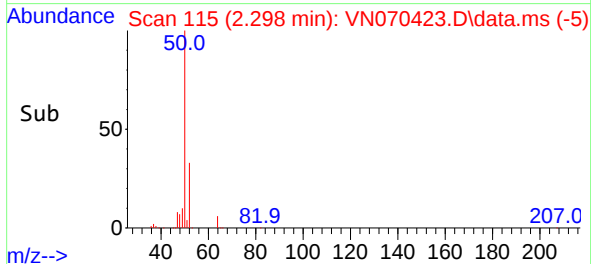
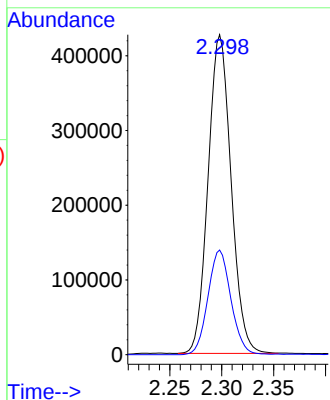
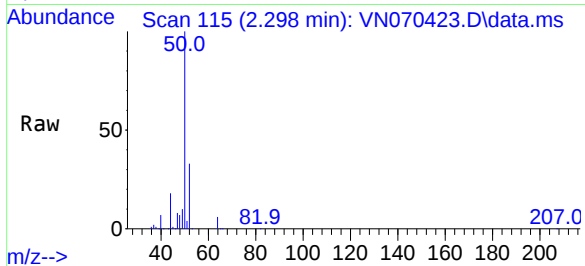




#3
Chloromethane
Concen: 46.448 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

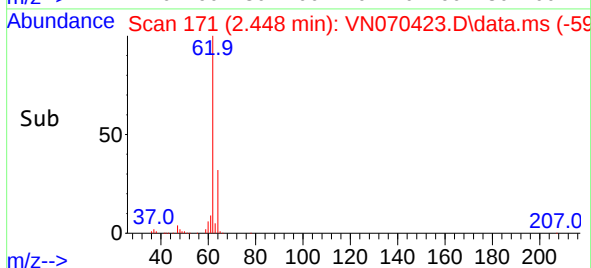
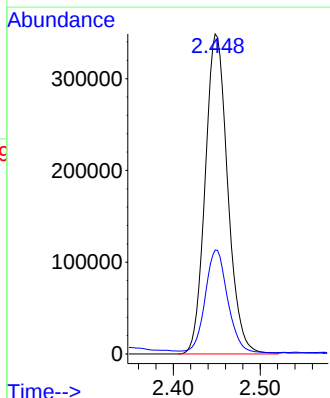
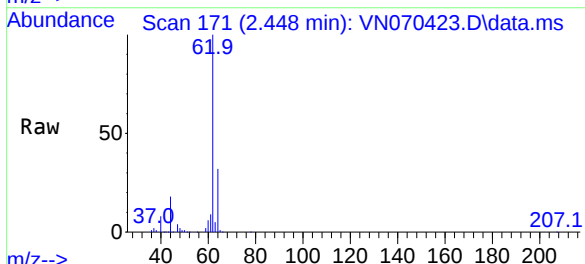
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

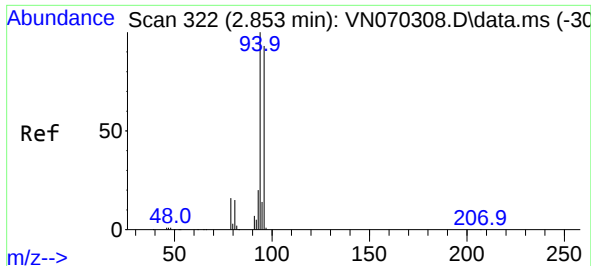
Tgt Ion: 50 Resp: 656796
Ion Ratio Lower Upper
50 100
52 32.8 25.4 38.0



#4
Vinyl Chloride
Concen: 48.711 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 62 Resp: 627121
Ion Ratio Lower Upper
62 100
64 32.0 25.8 38.6

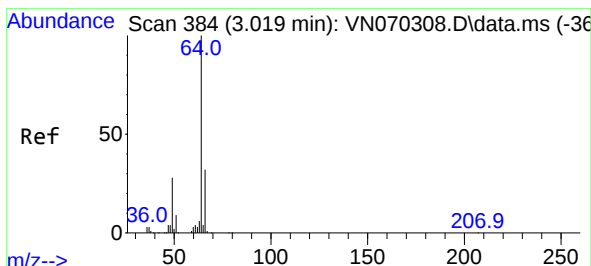
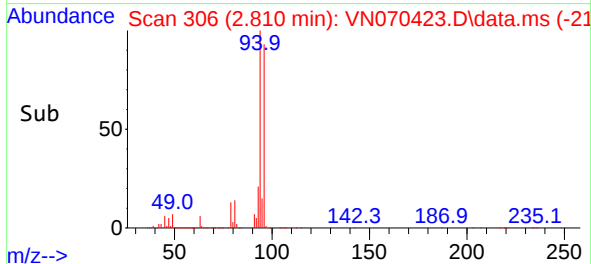
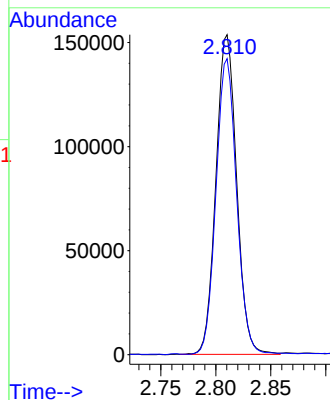
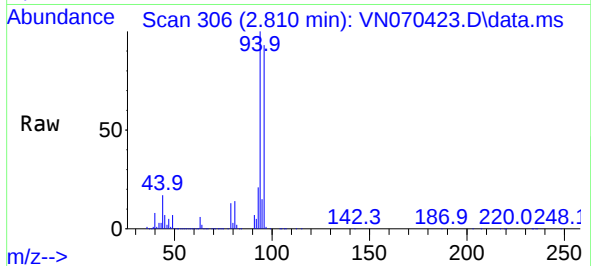




#5
Bromomethane
Concen: 30.234 ug/l
RT: 2.810 min Scan# 306
Delta R.T. -0.043 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

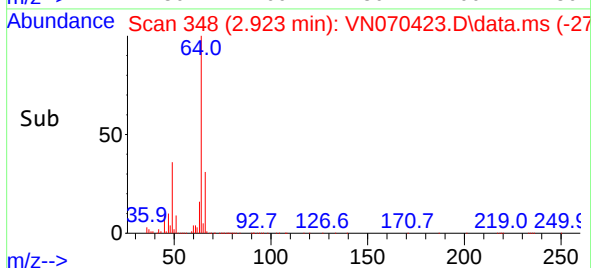
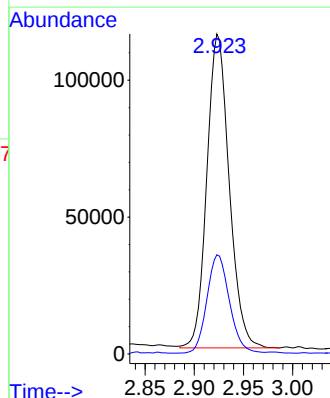
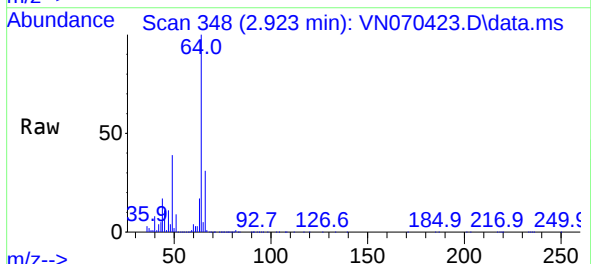
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

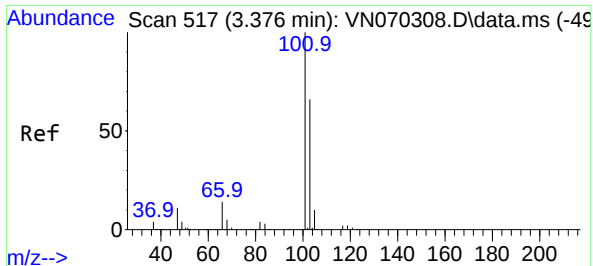
Tgt Ion: 94 Resp: 200906
Ion Ratio Lower Upper
94 100
96 92.5 73.8 110.8



#6
Chloroethane
Concen: 23.385 ug/l
RT: 2.923 min Scan# 348
Delta R.T. -0.096 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 64 Resp: 181306
Ion Ratio Lower Upper
64 100
66 31.3 26.3 39.5

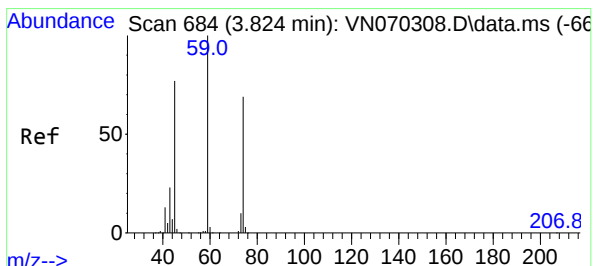
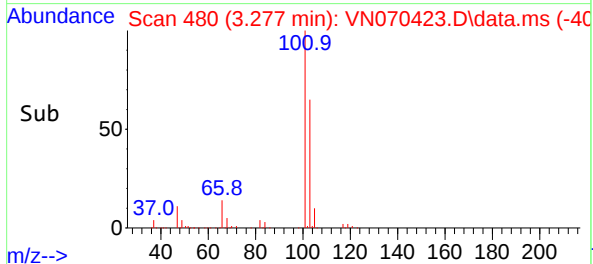
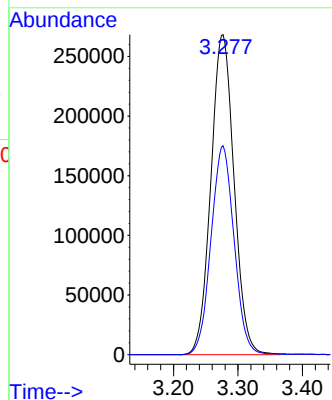
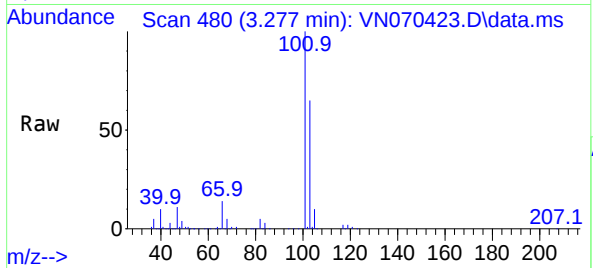




#7
Trichlorofluoromethane
Concen: 43.316 ug/l
RT: 3.277 min Scan# 41
Delta R.T. -0.099 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

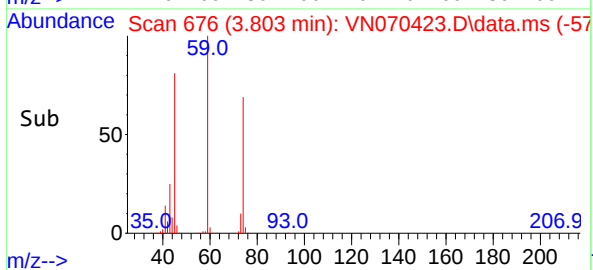
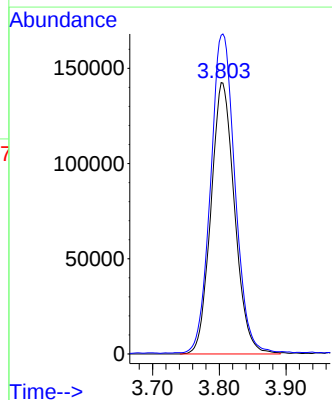
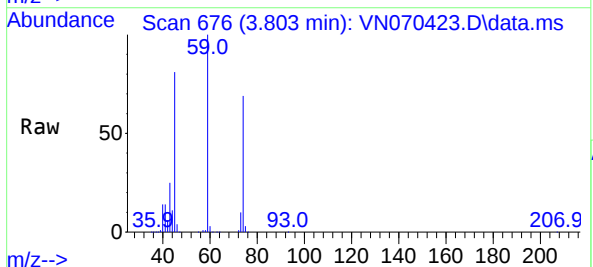
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

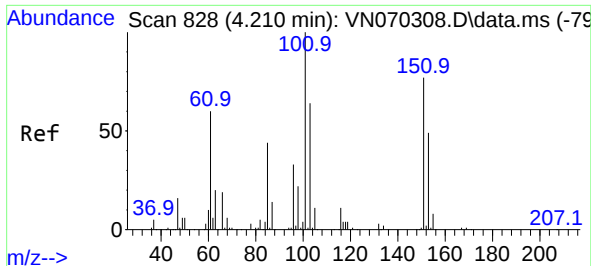
Tgt Ion:101 Resp: 671217
Ion Ratio Lower Upper
101 100
103 65.3 50.1 75.1



#8
Diethyl Ether
Concen: 51.369 ug/l
RT: 3.803 min Scan# 676
Delta R.T. -0.021 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 74 Resp: 350905
Ion Ratio Lower Upper
74 100
45 120.7 47.0 141.2

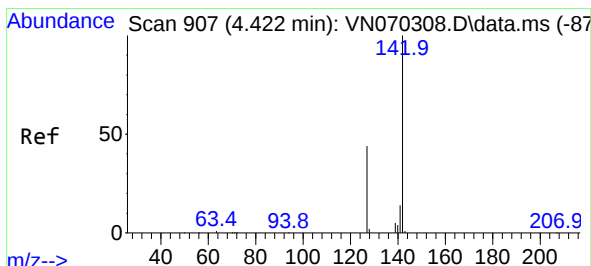
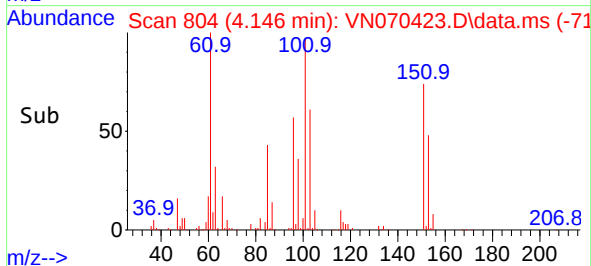
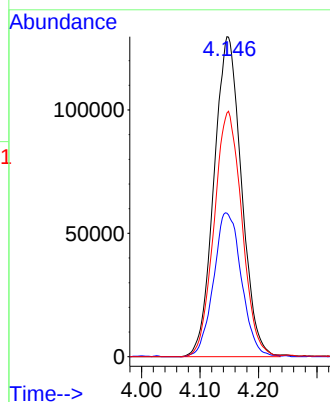
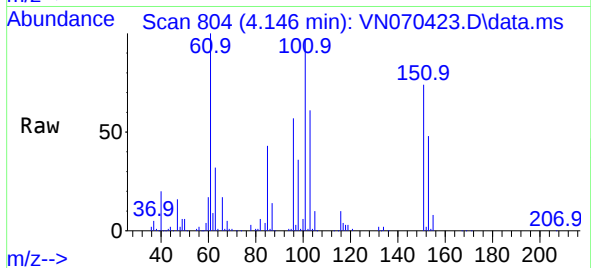




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.785 ug/l
RT: 4.146 min Scan# 80
Delta R.T. -0.064 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

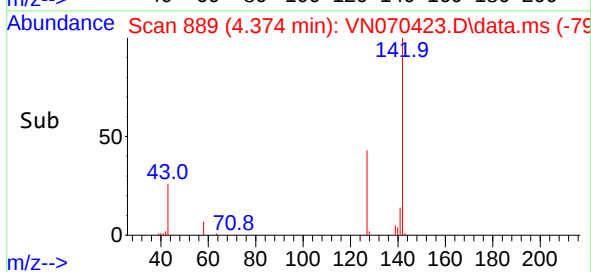
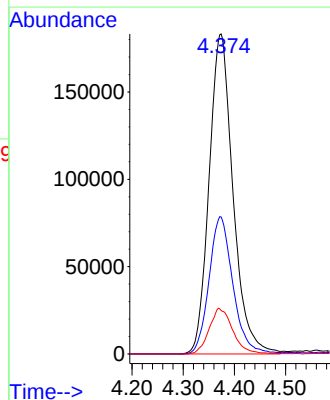
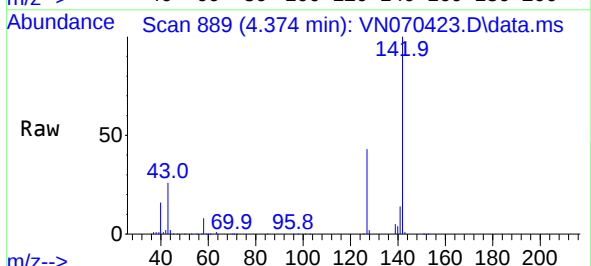
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

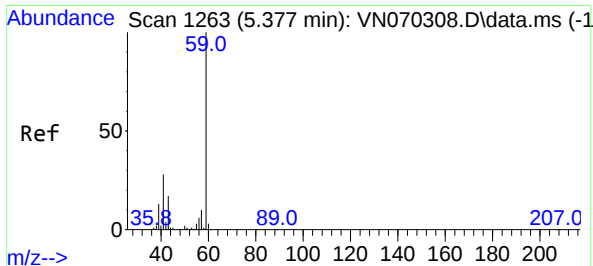
Tgt Ion:101 Resp: 424469
Ion Ratio Lower Upper
101 100
85 45.6 37.2 55.8
151 77.6 65.9 98.9



#10
Methyl Iodide
Concen: 46.336 ug/l
RT: 4.374 min Scan# 889
Delta R.T. -0.048 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:142 Resp: 594331
Ion Ratio Lower Upper
142 100
127 42.8 35.4 53.0
141 14.1 11.6 17.4

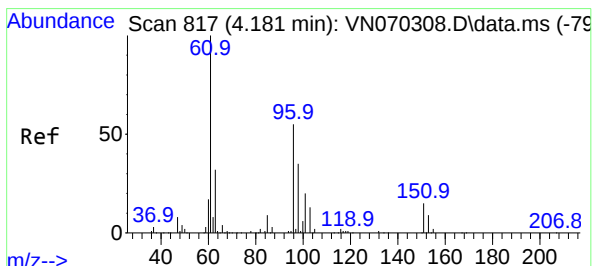
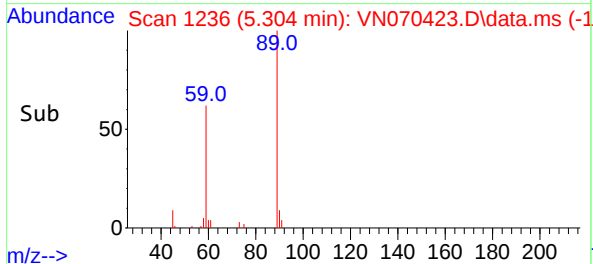
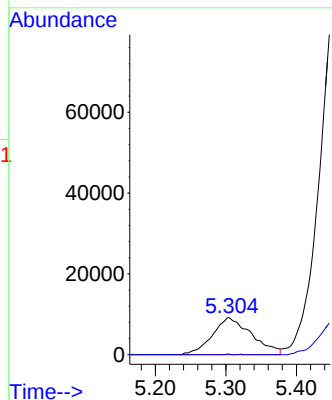
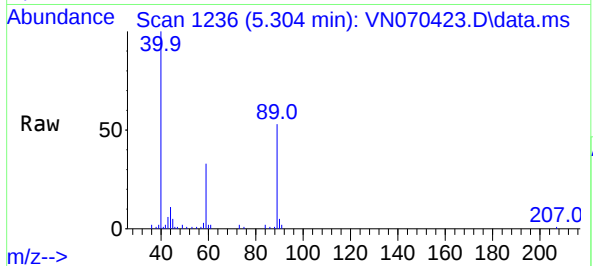




#11
Tert butyl alcohol
Concen: 16.166 ug/l
RT: 5.304 min Scan# 11
Delta R.T. -0.073 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

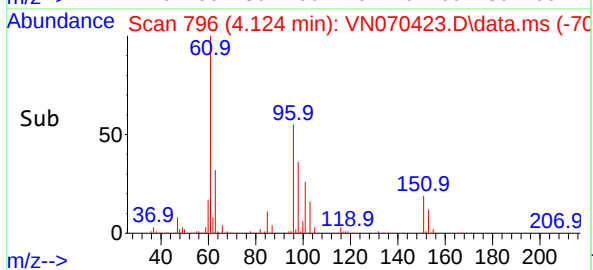
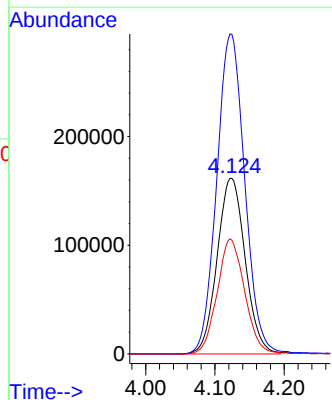
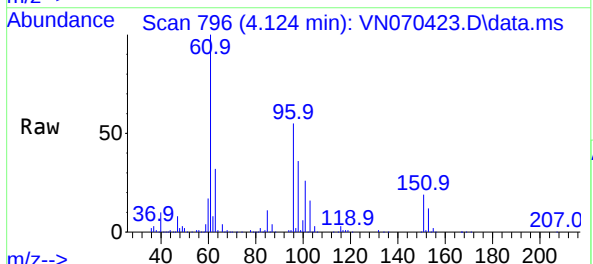
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

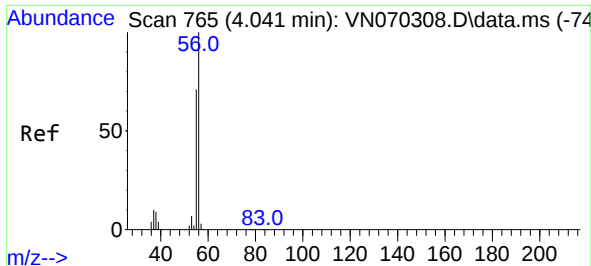
Tgt Ion: 59 Resp: 35475
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 48.780 ug/l
RT: 4.124 min Scan# 796
Delta R.T. -0.057 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 96 Resp: 455383
Ion Ratio Lower Upper
96 100
61 181.9 131.0 196.6
98 64.8 52.4 78.6

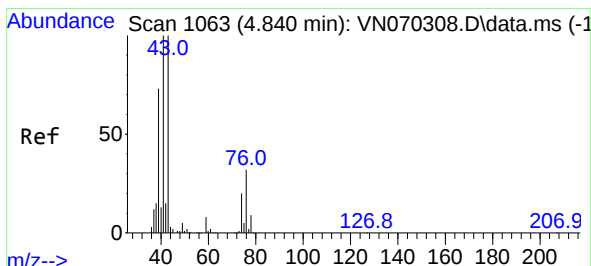
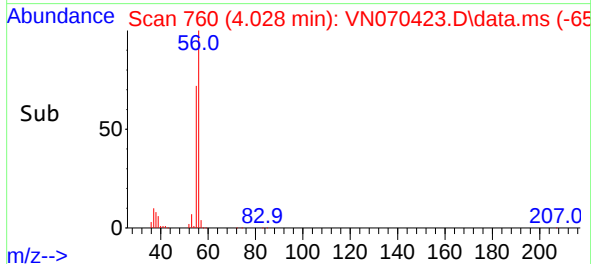
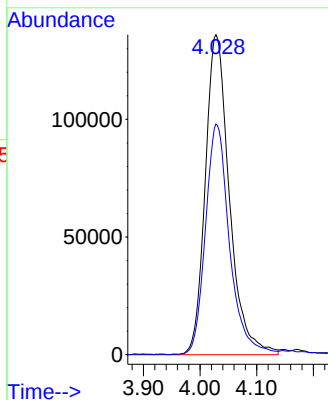
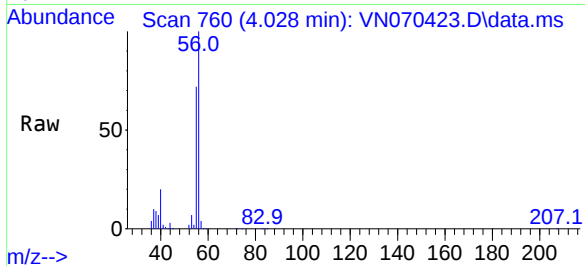




#13
Acrolein
Concen: 226.008 ug/l
RT: 4.028 min Scan# 70
Delta R.T. -0.013 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

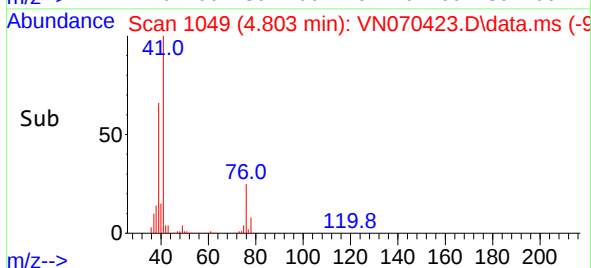
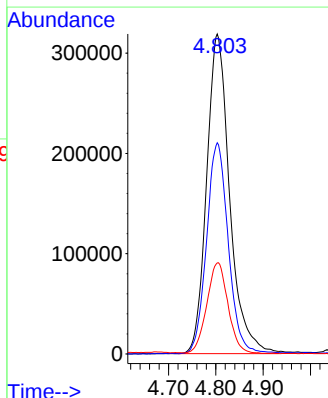
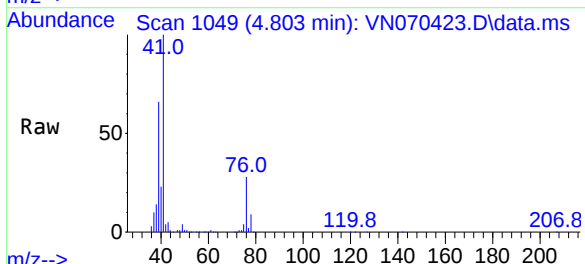
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

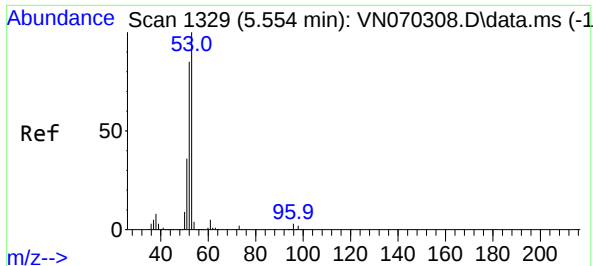
Tgt Ion: 56 Resp: 402416
Ion Ratio Lower Upper
56 100
55 71.4 56.6 85.0



#14
Allyl chloride
Concen: 50.917 ug/l
RT: 4.803 min Scan# 1049
Delta R.T. -0.037 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 41 Resp: 1077690
Ion Ratio Lower Upper
41 100
39 62.3 61.2 91.8
76 26.2 26.0 39.0





#15

Acrylonitrile

Concen: 277.983 ug/l

RT: 5.559 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

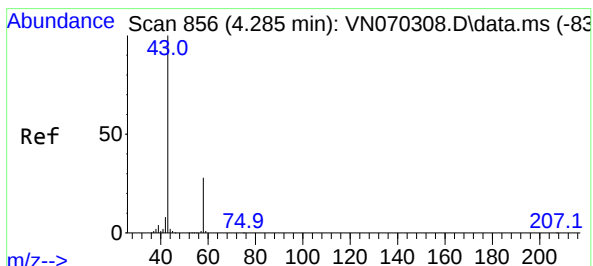
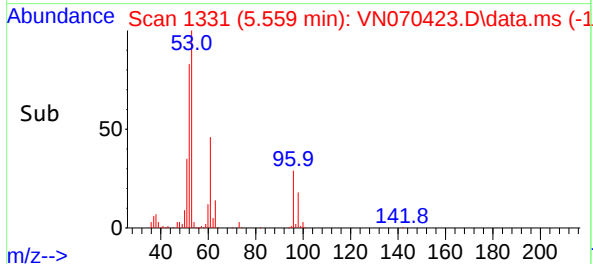
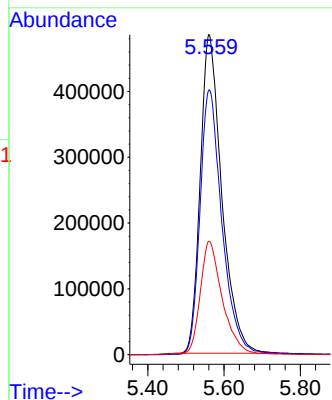
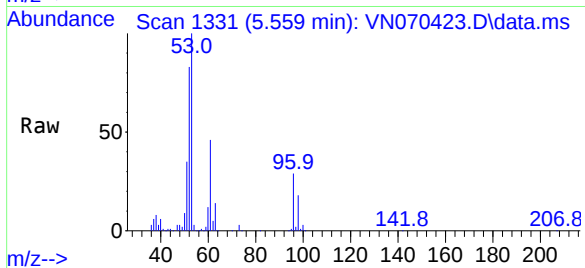
MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 53 Resp: 1903584

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	35.6	29.6	44.4



#16

Acetone

Concen: 198.852 ug/l

RT: 4.304 min Scan# 863

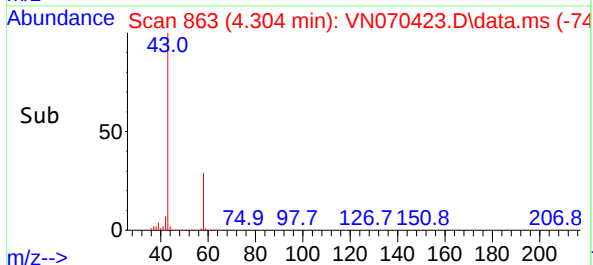
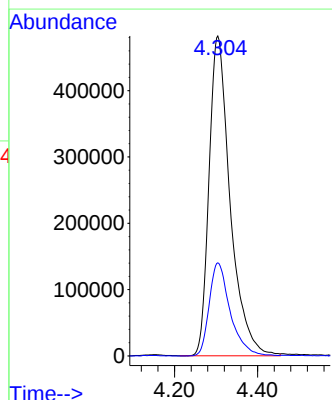
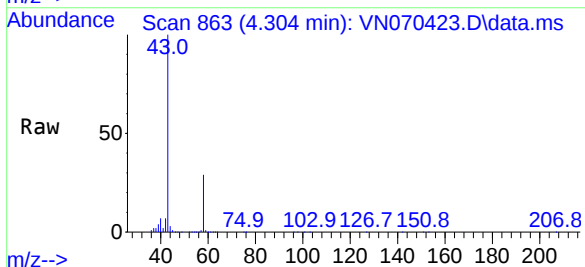
Delta R.T. 0.019 min

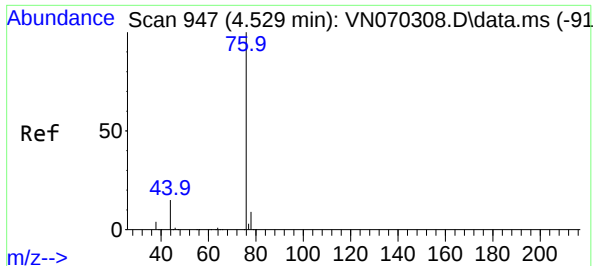
Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Tgt Ion: 43 Resp: 1701281

Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.1	34.7

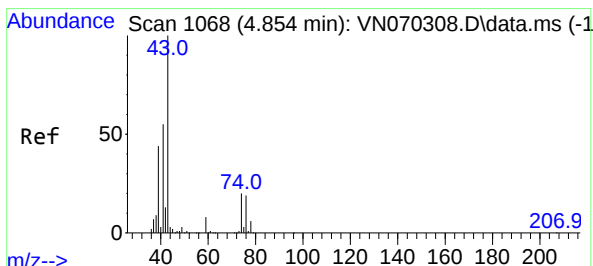
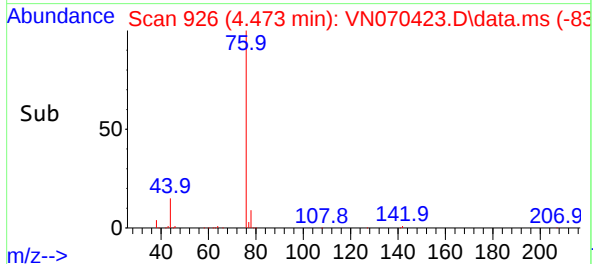
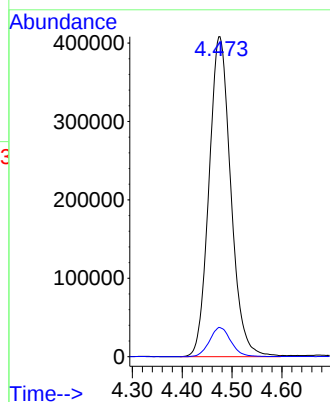
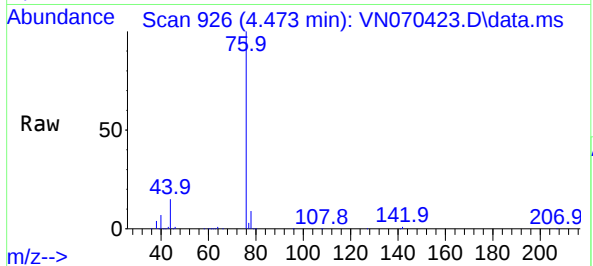




#17
Carbon Disulfide
Concen: 48.688 ug/l
RT: 4.473 min Scan# 91
Delta R.T. -0.056 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

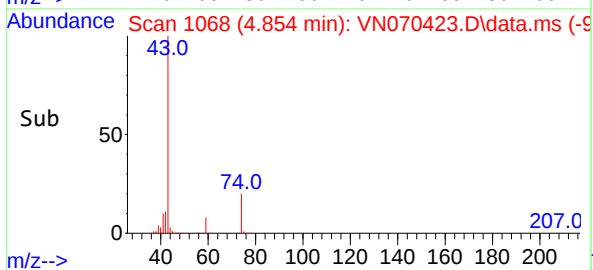
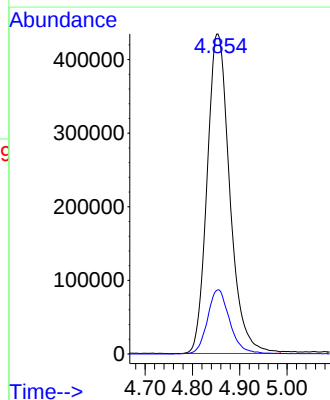
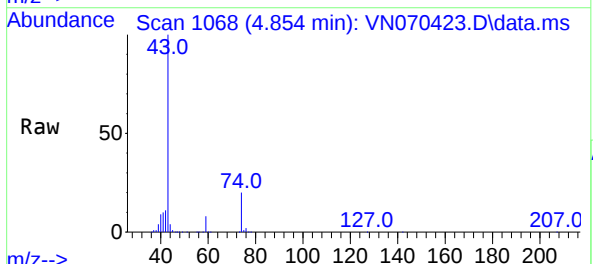
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

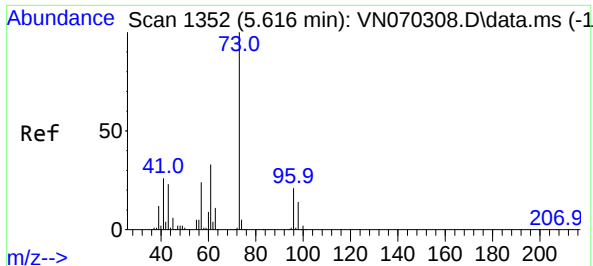
Tgt Ion: 76 Resp: 1240691
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 58.426 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 43 Resp: 1445952
Ion Ratio Lower Upper
43 100
74 19.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 50.888 ug/l

RT: 5.621 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

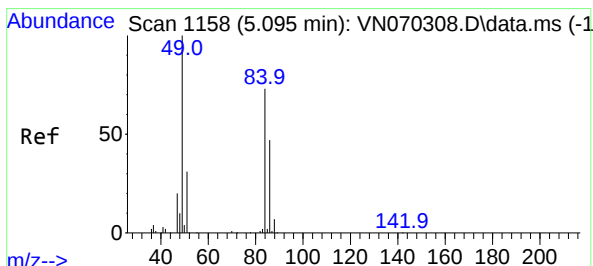
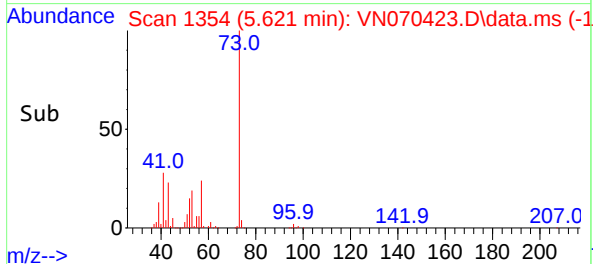
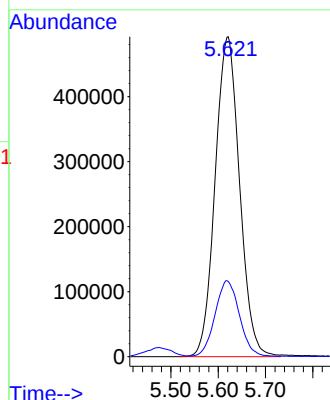
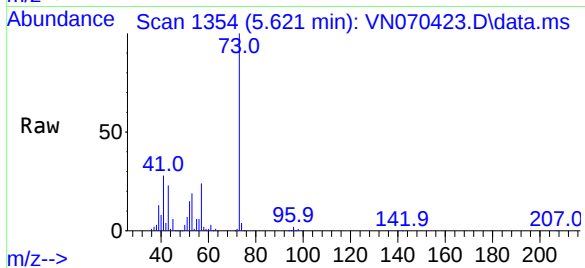
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 73 Resp: 1764236

Ion Ratio Lower Upper

73 100

57 23.4 16.8 25.2



#20

Methylene Chloride

Concen: 48.073 ug/l

RT: 5.068 min Scan# 1148

Delta R.T. -0.027 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Tgt Ion: 84 Resp: 569040

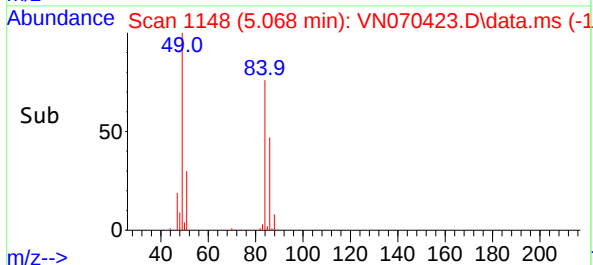
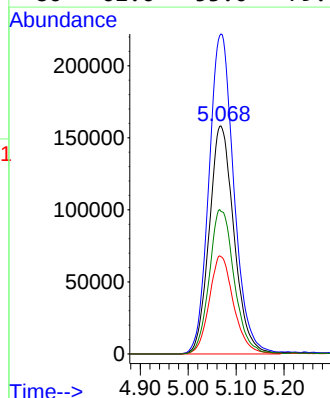
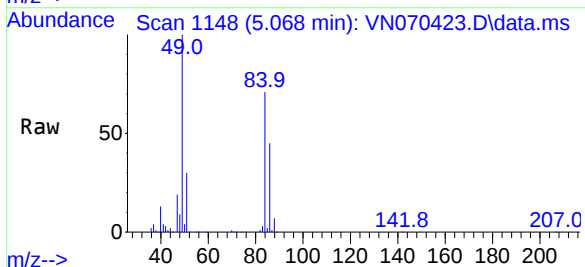
Ion Ratio Lower Upper

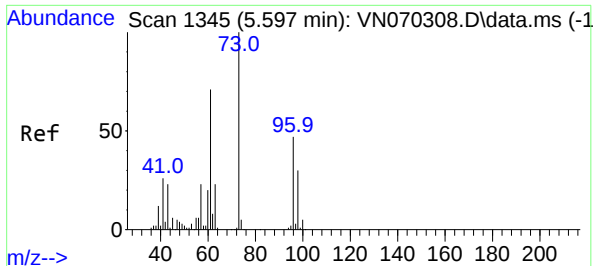
84 100

49 140.4 93.5 140.3#

51 42.7 29.4 44.2

86 62.6 53.0 79.4

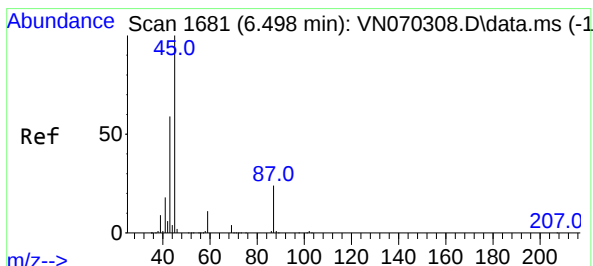
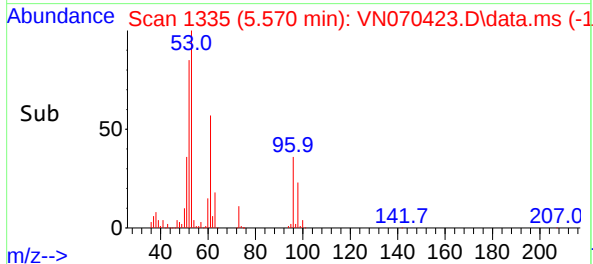
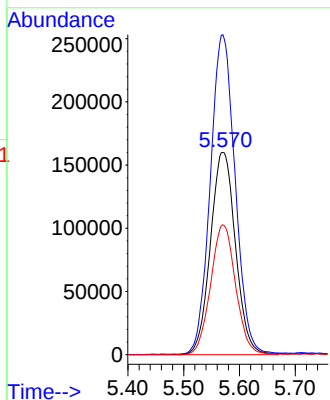
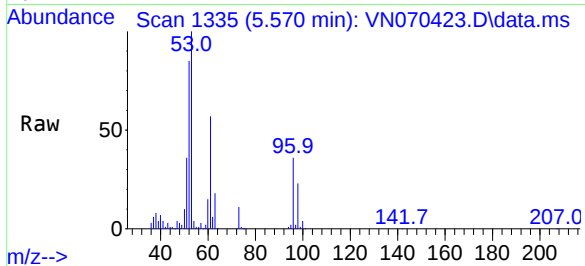




#21
trans-1,2-Dichloroethene
Concen: 50.623 ug/l
RT: 5.570 min Scan# 11
Delta R.T. -0.027 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

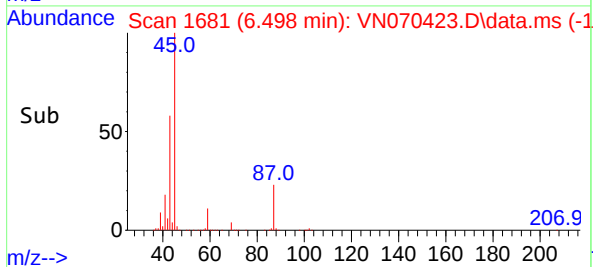
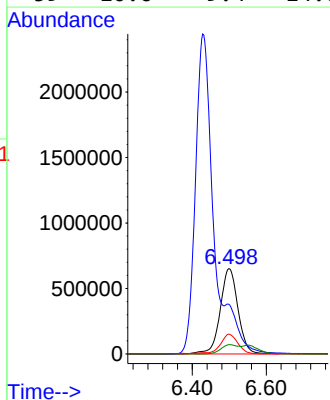
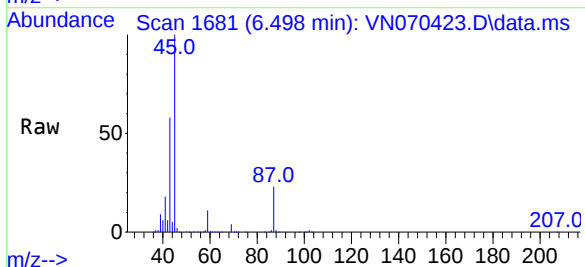
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

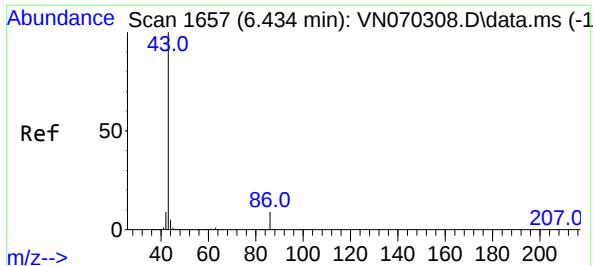
Tgt Ion: 96 Resp: 500379
Ion Ratio Lower Upper
96 100
61 157.9 105.8 158.6
98 64.2 52.0 78.0



#22
Diisopropyl ether
Concen: 52.863 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 45 Resp: 2179308
Ion Ratio Lower Upper
45 100
43 58.0 51.7 77.5
87 23.2 23.2 34.8
59 10.6 9.4 14.0

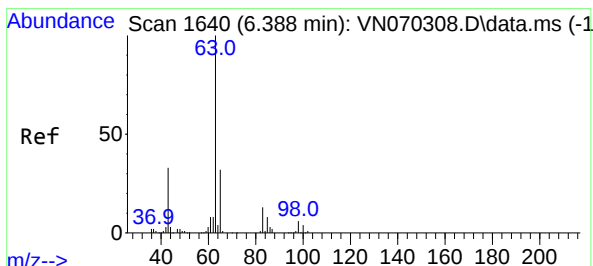
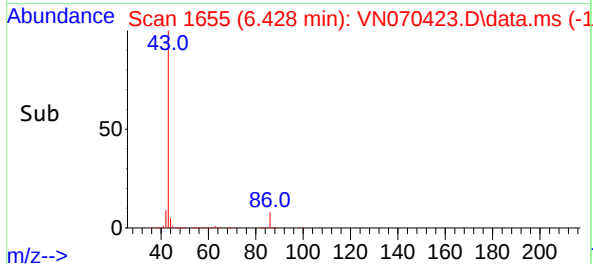
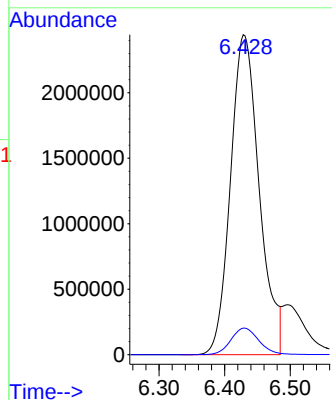
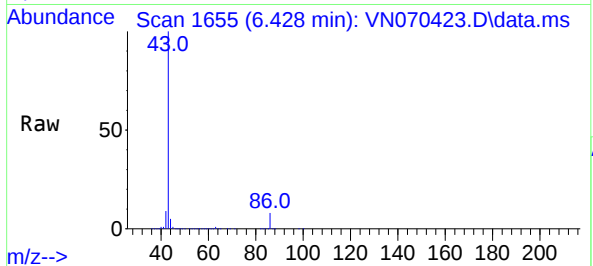




#23
 Vinyl Acetate
 Concen: 232.624 ug/l
 RT: 6.428 min Scan# 1655
 Delta R.T. -0.006 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

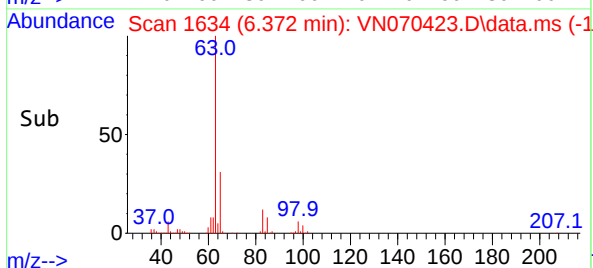
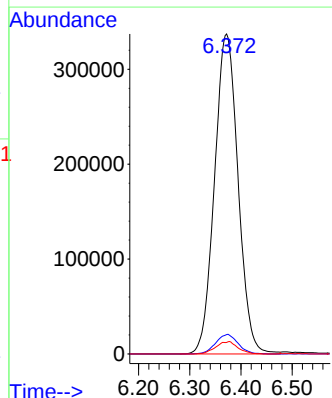
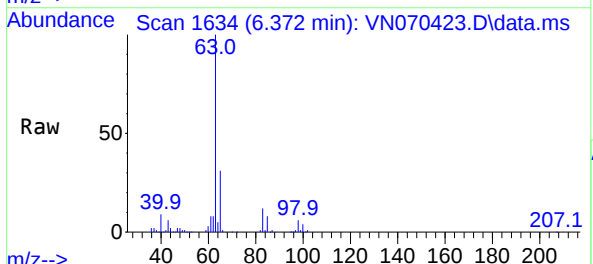
Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 43 Resp: 7440627
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7#



#24
 1,1-Dichloroethane
 Concen: 50.354 ug/l
 RT: 6.372 min Scan# 1634
 Delta R.T. -0.016 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

Tgt Ion: 63 Resp: 1076377
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 3.6 2.1 6.5





#25

2-Butanone

Concen: 248.803 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.013 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

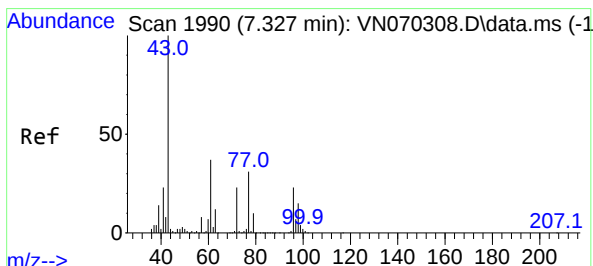
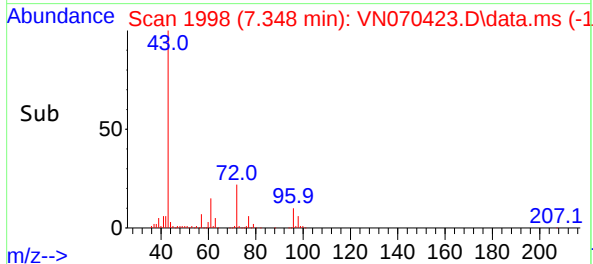
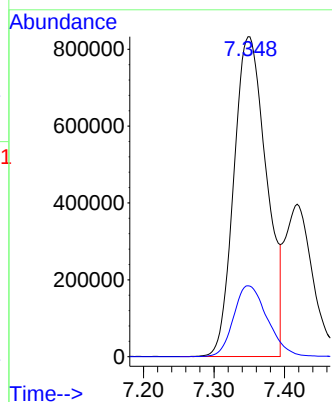
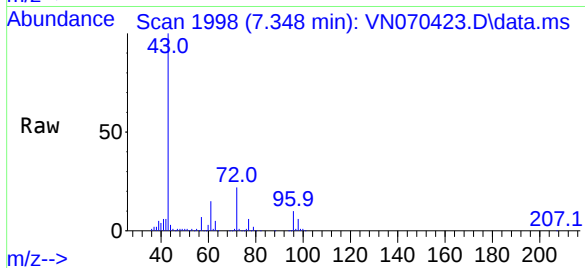
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 43 Resp: 2680211

Ion Ratio Lower Upper

43 100

72 22.2 21.7 32.5



#26

2,2-Dichloropropane

Concen: 36.092 ug/l

RT: 7.316 min Scan# 1986

Delta R.T. -0.011 min

Lab File: VN070423.D

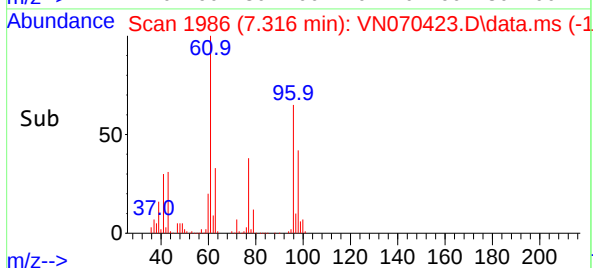
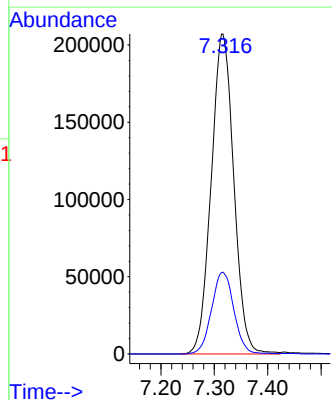
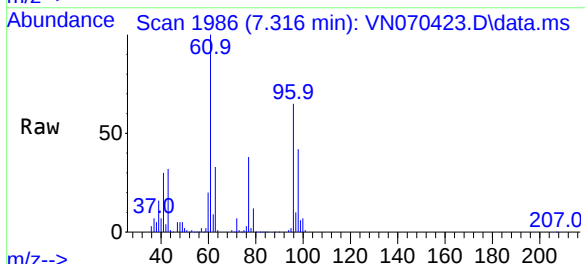
Acq: 31 Dec 2021 3:04

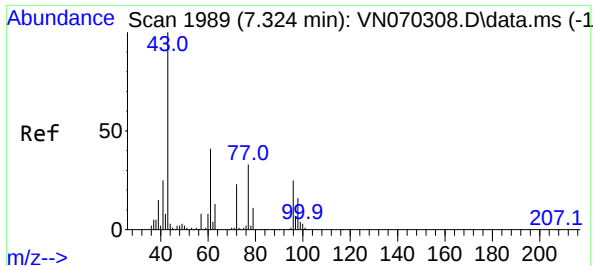
Tgt Ion: 77 Resp: 608626

Ion Ratio Lower Upper

77 100

97 25.2 11.6 34.8

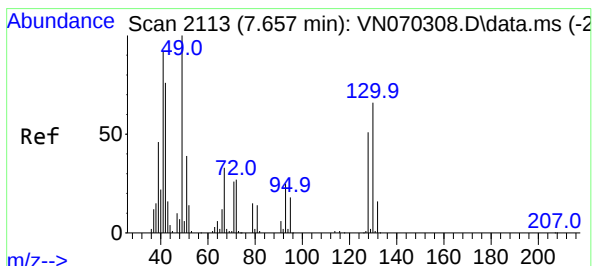
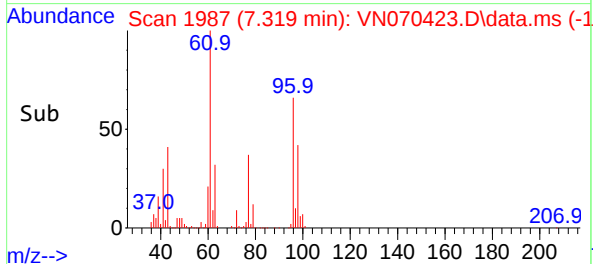
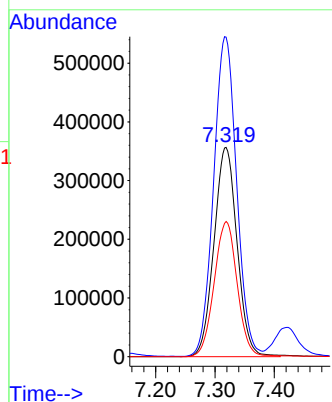
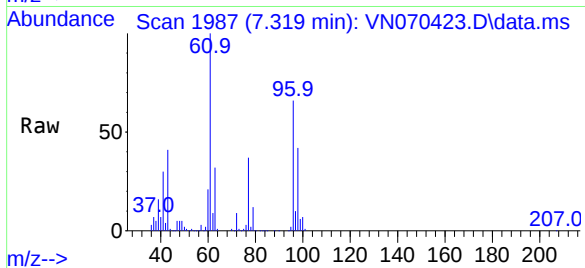




#27
 cis-1,2-Dichloroethene
 Concen: 81.858 ug/l
 RT: 7.319 min Scan# 1987
 Delta R.T. -0.005 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

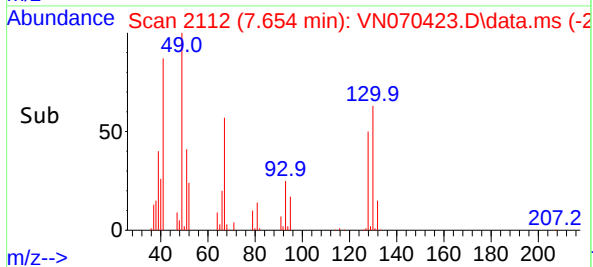
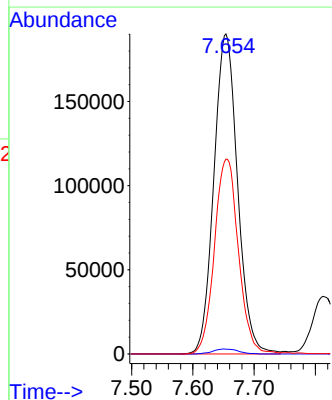
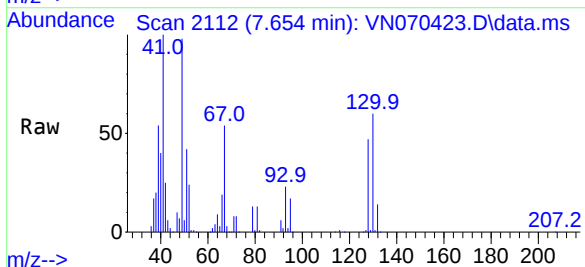
Instrument : MSVOA_N
 ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

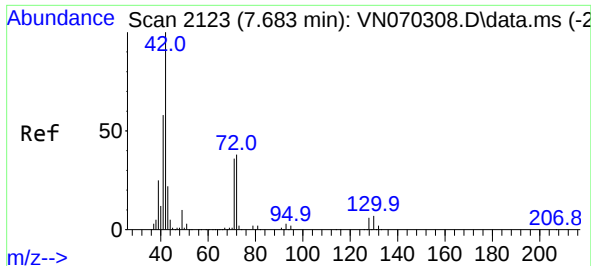
Tgt Ion: 96 Resp: 965454
 Ion Ratio Lower Upper
 96 100
 61 152.1 0.0 275.0
 98 64.4 0.0 129.6



#28
 Bromochloromethane
 Concen: 48.934 ug/l
 RT: 7.654 min Scan# 2112
 Delta R.T. -0.003 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

Tgt Ion: 49 Resp: 511551
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.0
 130 61.5 67.8 101.8#





#29

Tetrahydrofuran

Concen: 290.795 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

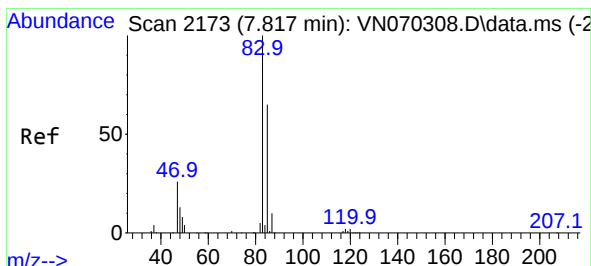
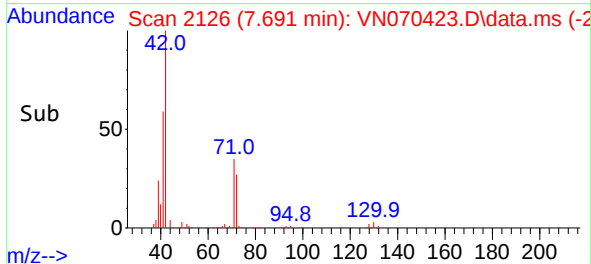
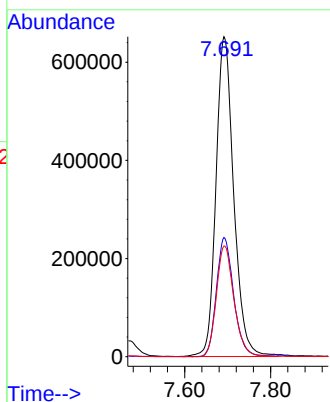
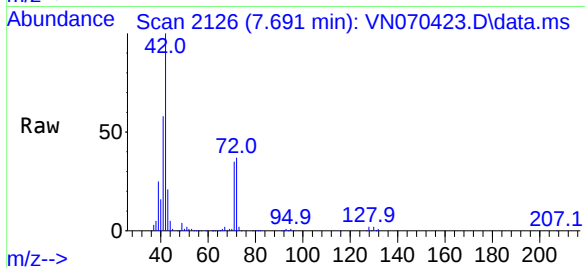
Tgt Ion: 42 Resp: 1869000

Ion Ratio Lower Upper

42 100

72 36.2 36.3 54.5#

71 34.3 34.7 52.1#



#30

Chloroform

Concen: 49.501 ug/l

RT: 7.815 min Scan# 2172

Delta R.T. -0.002 min

Lab File: VN070423.D

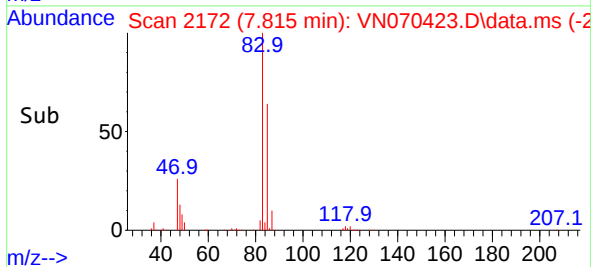
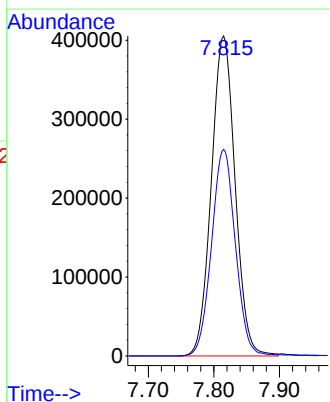
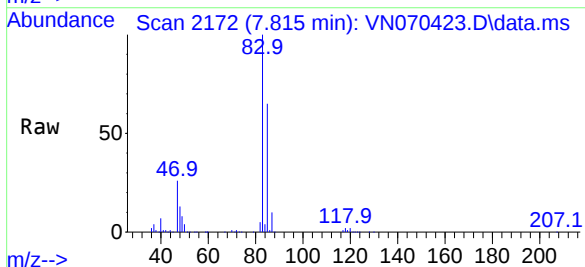
Acq: 31 Dec 2021 3:04

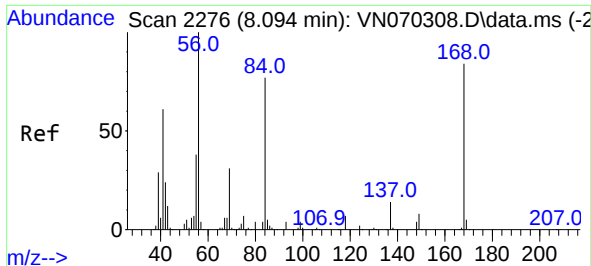
Tgt Ion: 83 Resp: 1020802

Ion Ratio Lower Upper

83 100

85 64.6 51.9 77.9

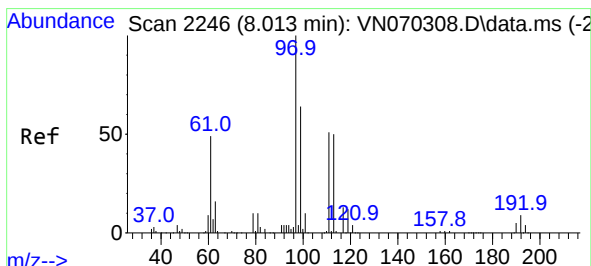
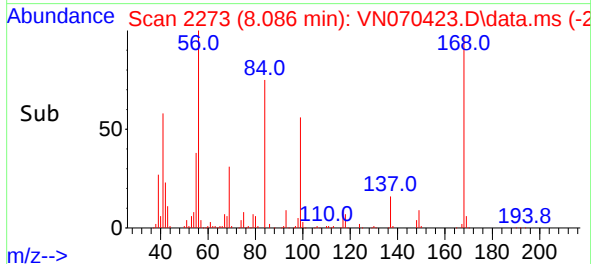
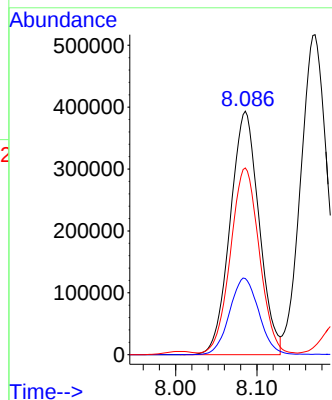
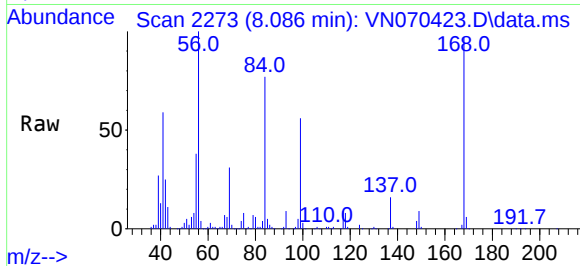




#31
Cyclohexane
Concen: 46.809 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

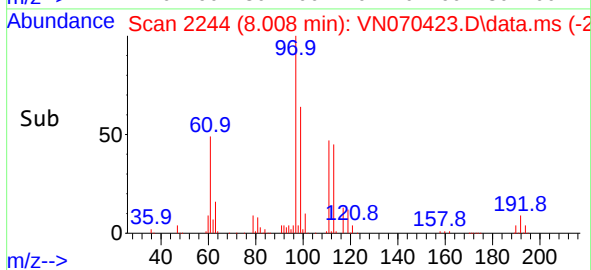
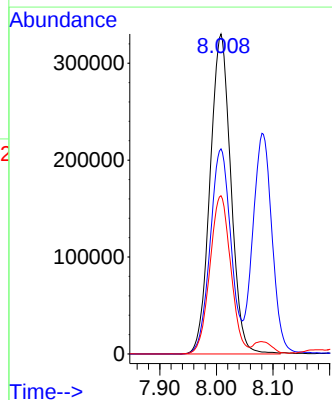
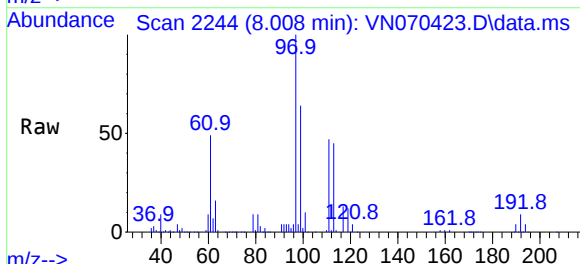
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

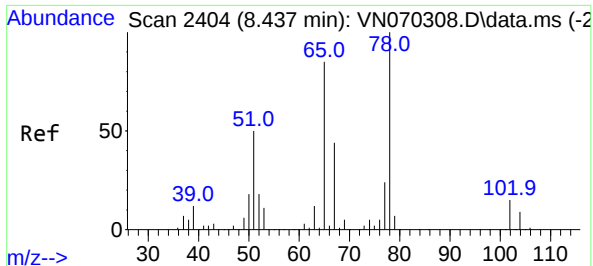
Tgt Ion: 56 Resp: 973517
Ion Ratio Lower Upper
56 100
69 31.3 27.1 40.7
84 75.4 73.4 110.0



#32
1,1,1-Trichloroethane
Concen: 48.446 ug/l
RT: 8.008 min Scan# 2244
Delta R.T. -0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 97 Resp: 842364
Ion Ratio Lower Upper
97 100
99 63.8 50.1 75.1
61 49.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 47.956 ug/l

RT: 8.434 min Scan# 24

Delta R.T. -0.003 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

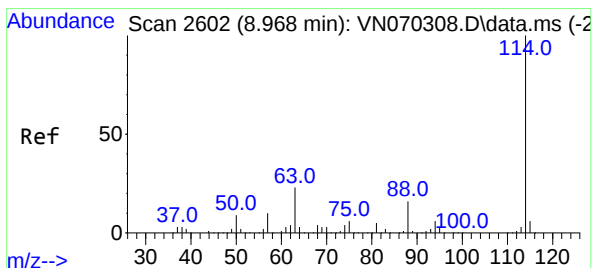
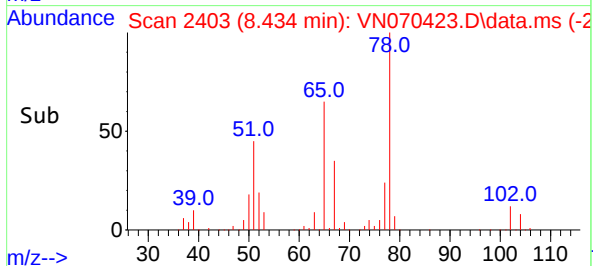
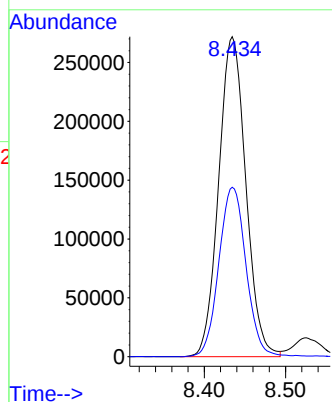
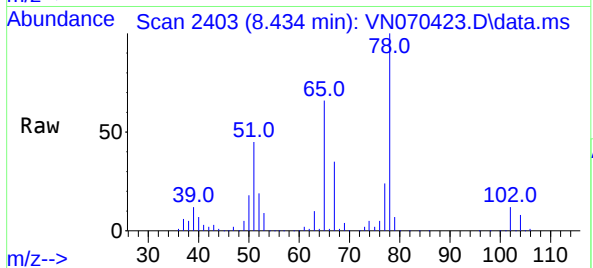
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 65 Resp: 632034

Ion Ratio Lower Upper

65 100

67 53.0 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: VN070423.D

Acq: 31 Dec 2021 3:04

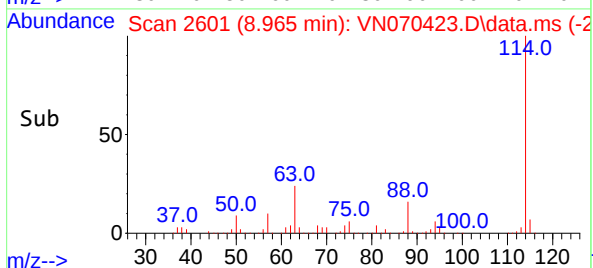
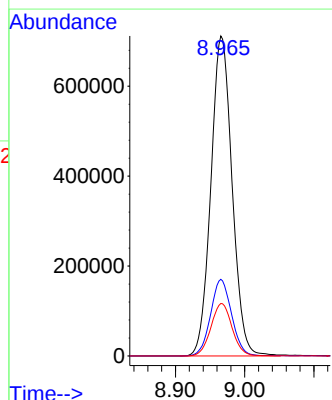
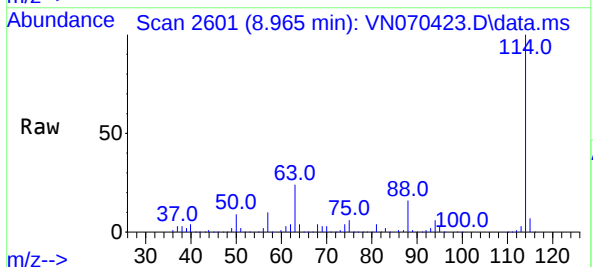
Tgt Ion: 114 Resp: 1517031

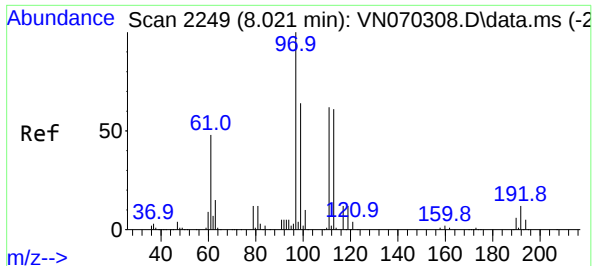
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.4 0.0 27.4





#35

Dibromofluoromethane

Concen: 50.275 ug/l

RT: 8.019 min Scan# 21

Delta R.T. -0.002 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

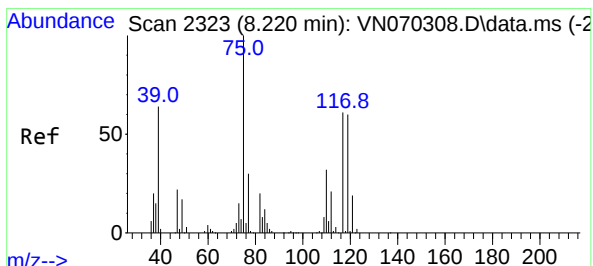
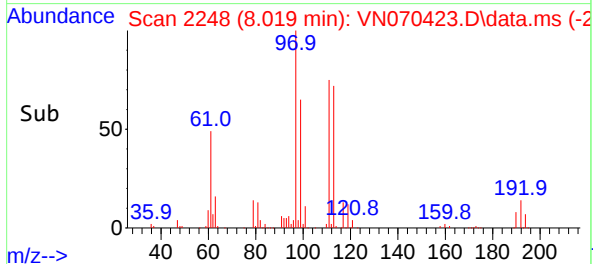
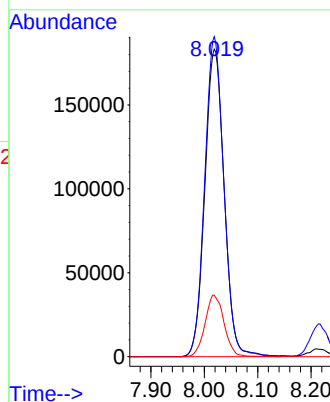
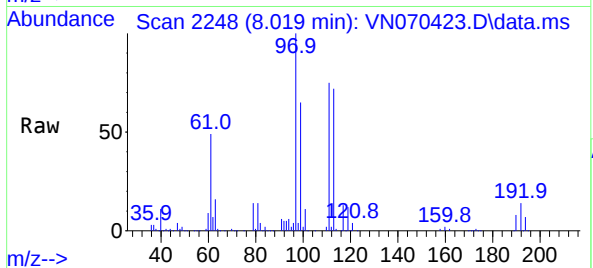
Tgt Ion:113 Resp: 461463

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 49.740 ug/l

RT: 8.214 min Scan# 2321

Delta R.T. -0.006 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

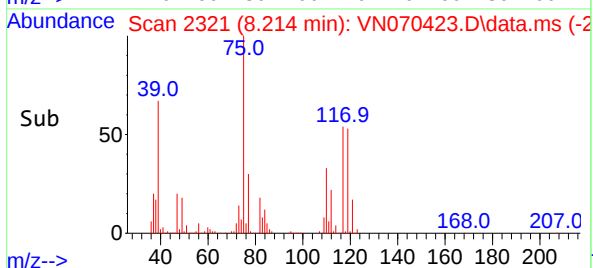
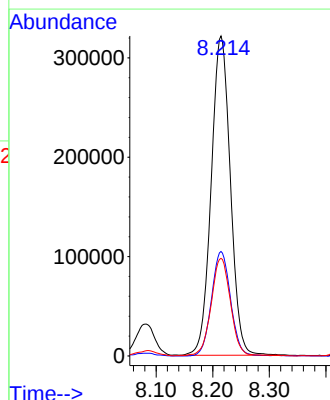
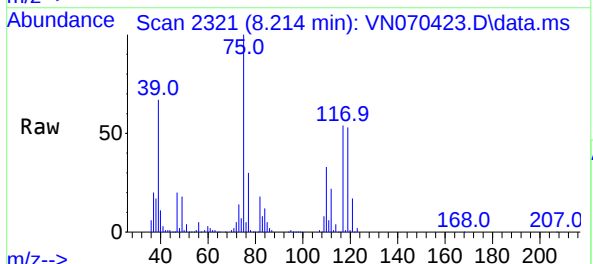
Tgt Ion: 75 Resp: 755258

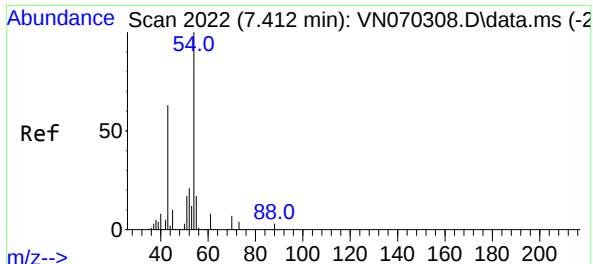
Ion Ratio Lower Upper

75 100

110 32.5 18.4 55.2

77 30.5 24.4 36.6





#37

Ethyl Acetate

Concen: 136.177 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.064 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

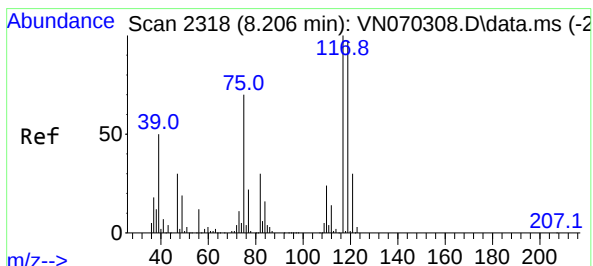
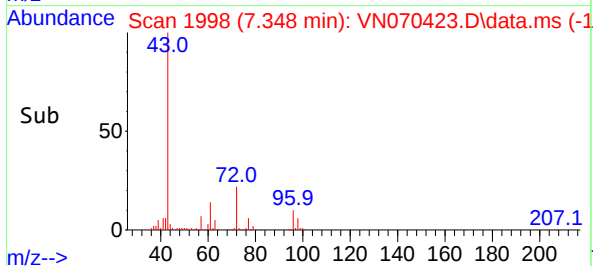
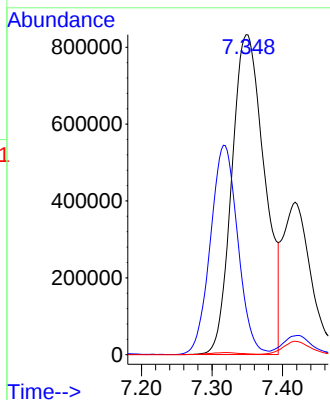
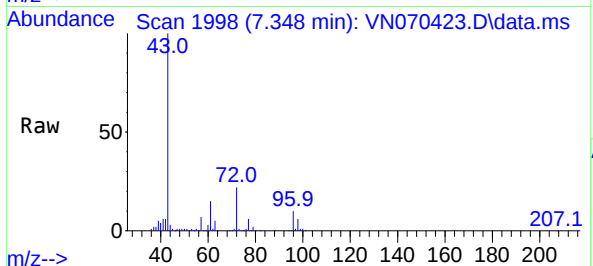
Tgt Ion: 43 Resp: 2680211

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 48.563 ug/l

RT: 8.198 min Scan# 2315

Delta R.T. -0.008 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

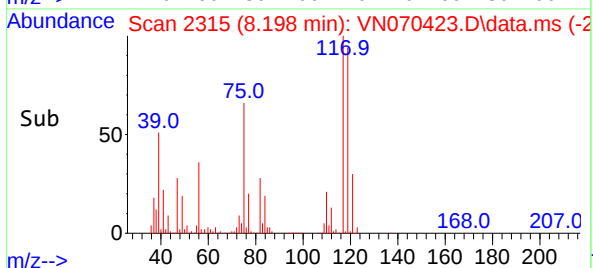
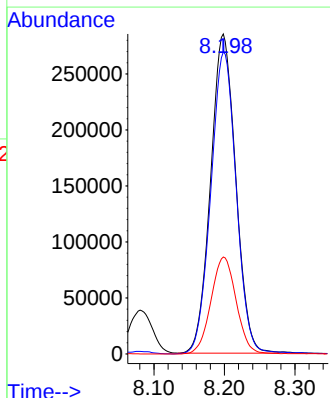
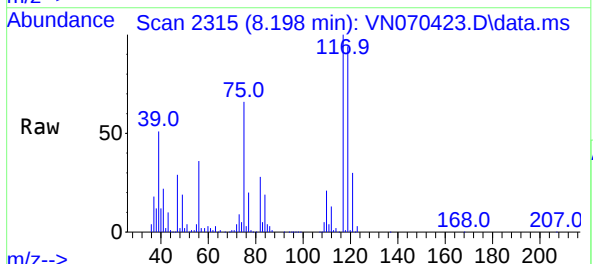
Tgt Ion: 117 Resp: 704121

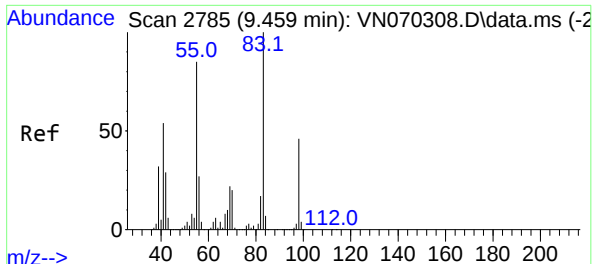
Ion Ratio Lower Upper

117 100

119 94.5 76.1 114.1

121 30.4 24.2 36.2





#39

Methylcyclohexane

Concen: 45.335 ug/l

RT: 9.456 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

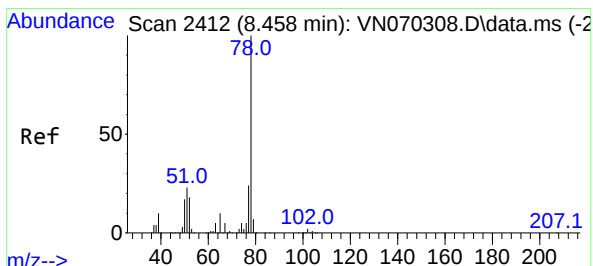
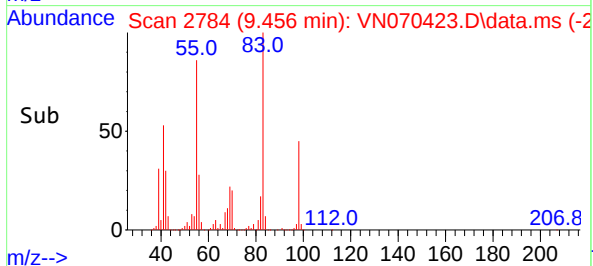
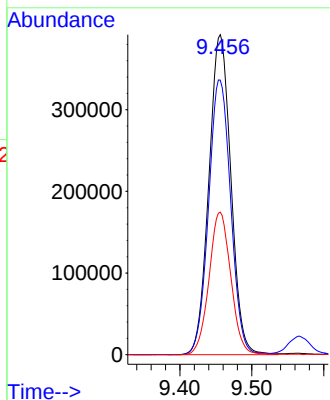
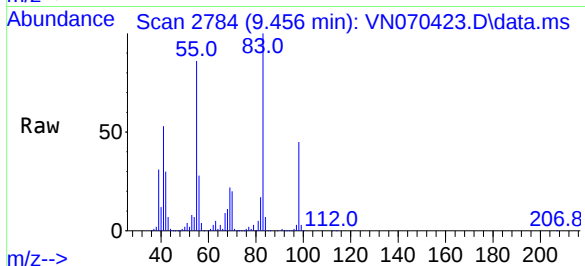
Tgt Ion: 83 Resp: 833389

Ion Ratio Lower Upper

83 100

55 85.7 58.1 87.1

98 44.6 38.4 57.6



#40

Benzene

Concen: 50.634 ug/l

RT: 8.453 min Scan# 2410

Delta R.T. -0.005 min

Lab File: VN070423.D

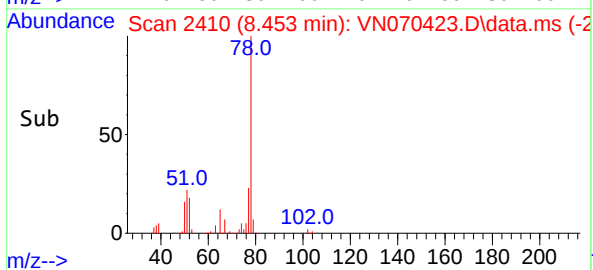
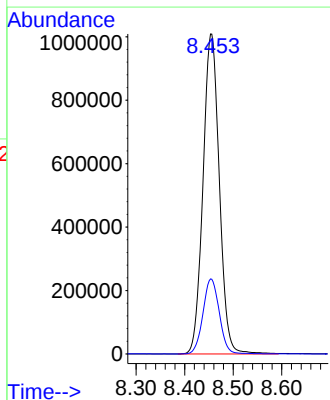
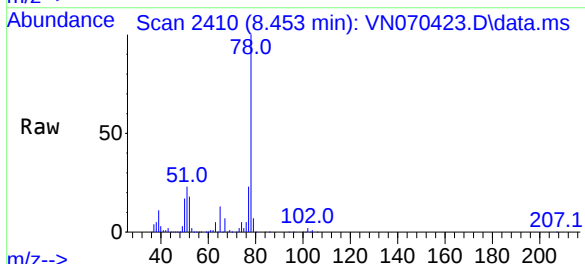
Acq: 31 Dec 2021 3:04

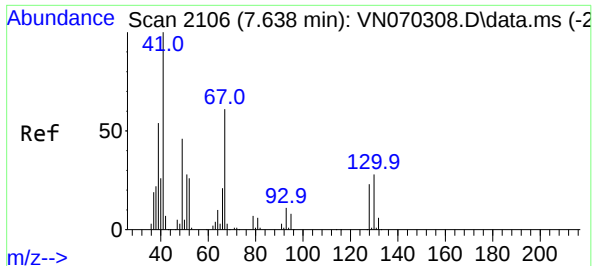
Tgt Ion: 78 Resp: 2357088

Ion Ratio Lower Upper

78 100

77 23.4 18.6 27.8

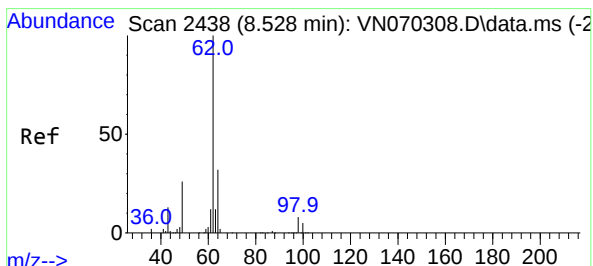
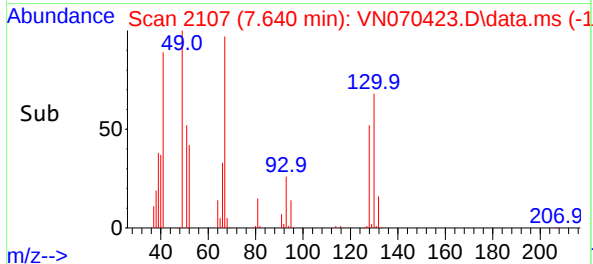
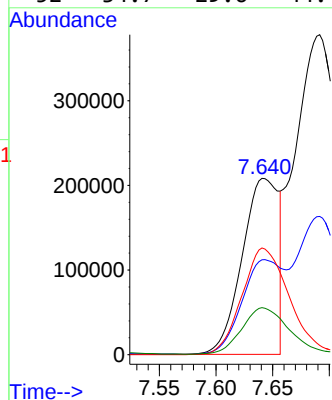
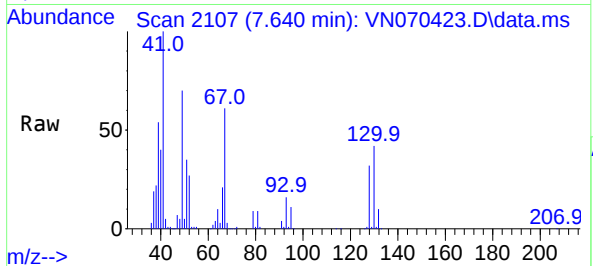




#41
Methacrylonitrile
Concen: 47.219 ug/l
RT: 7.640 min Scan# 2106
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

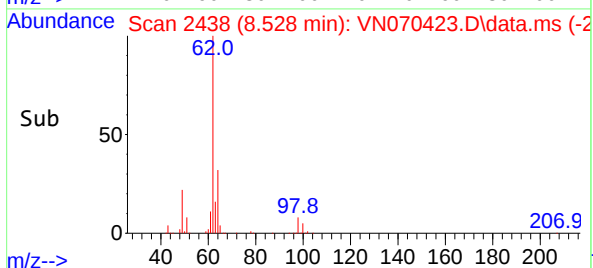
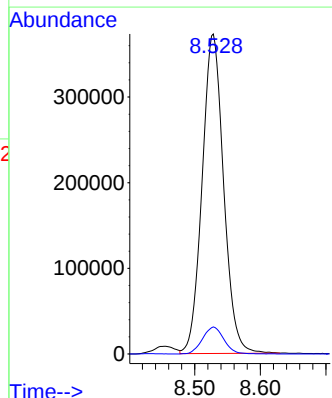
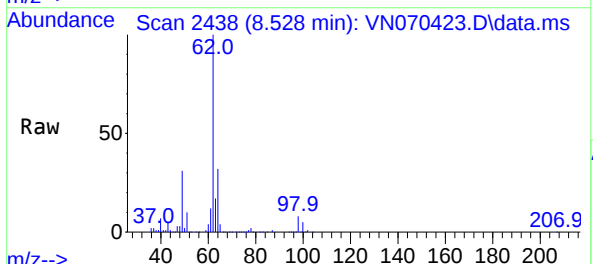
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

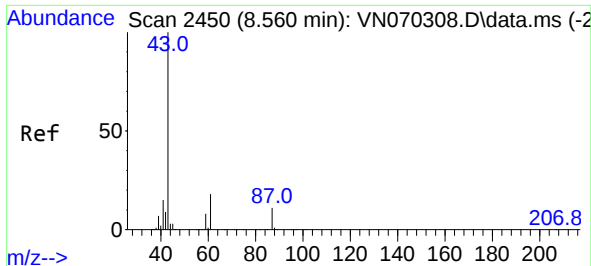
Tgt Ion: 41 Resp: 464843
Ion Ratio Lower Upper
41 100
39 61.0 48.1 72.1
67 79.4 68.3 102.5
52 34.7 29.6 44.4



#42
1,2-Dichloroethane
Concen: 48.518 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 62 Resp: 848942
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.6

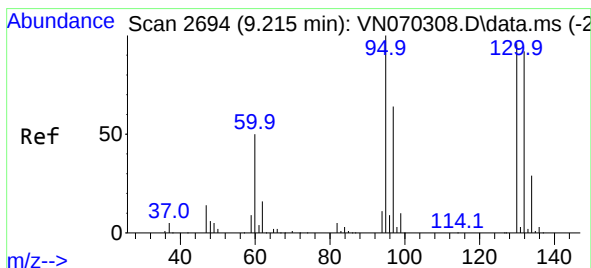
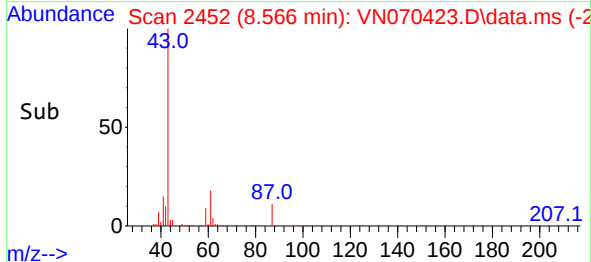
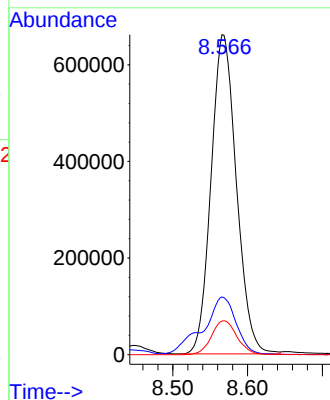
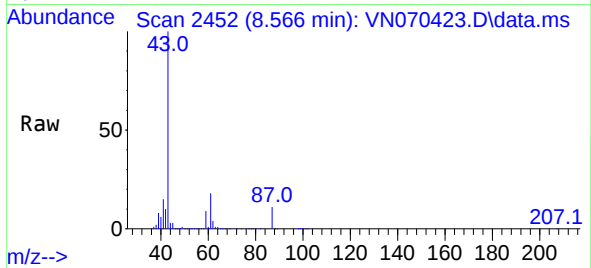




#43
Isopropyl Acetate
Concen: 50.151 ug/l
RT: 8.566 min Scan# 2450
Delta R.T. 0.006 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

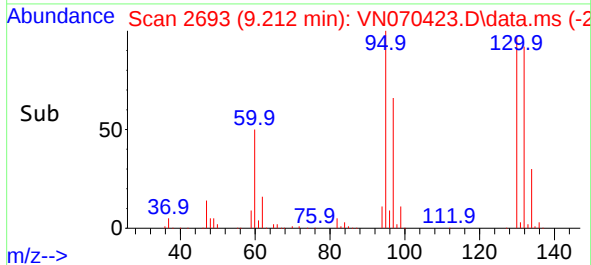
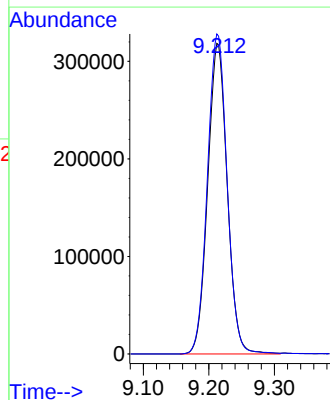
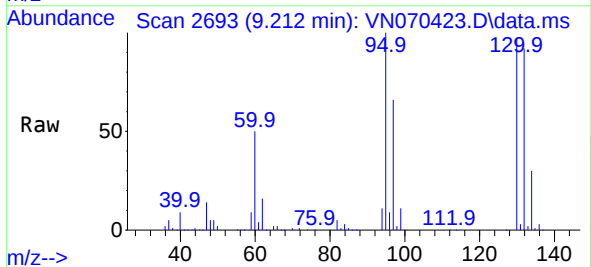
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

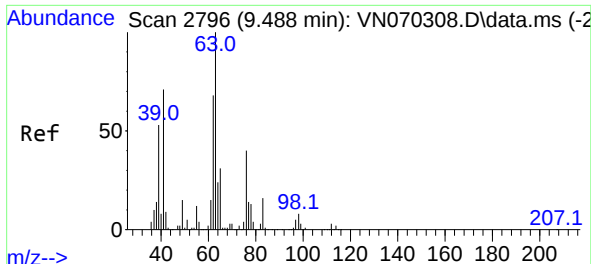
Tgt Ion: 43 Resp: 1556240
Ion Ratio Lower Upper
43 100
61 17.9 20.4 30.6#
87 10.8 11.2 16.8#



#44
Trichloroethene
Concen: 59.456 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:130 Resp: 657647
Ion Ratio Lower Upper
130 100
95 103.1 0.0 191.2





#45

1,2-Dichloropropane

Concen: 51.396 ug/l

RT: 9.488 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

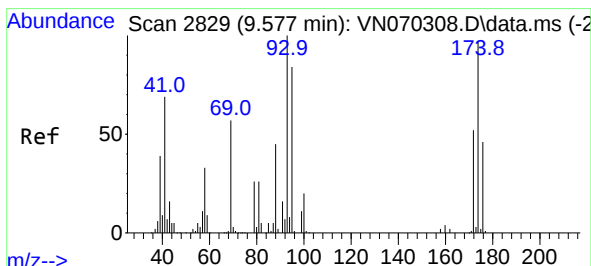
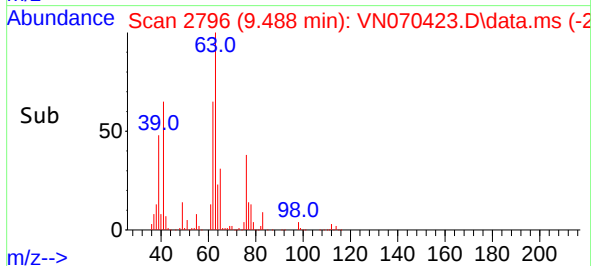
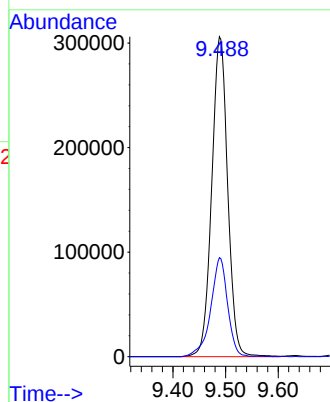
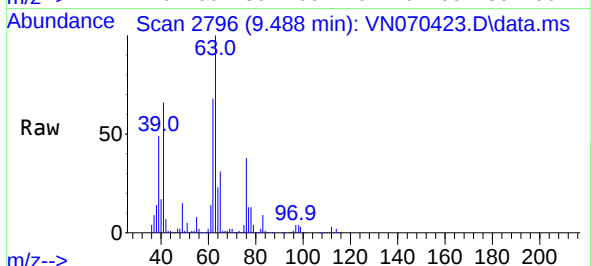
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 63 Resp: 644180

Ion Ratio Lower Upper

63 100

65 31.0 24.7 37.1



#46

Dibromomethane

Concen: 49.397 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. -0.000 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

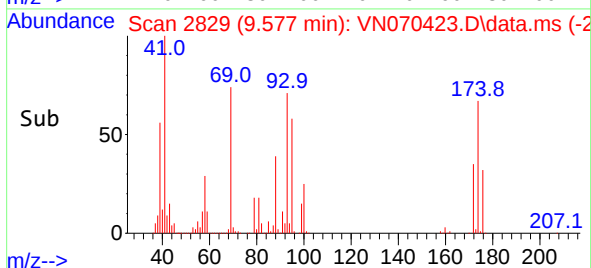
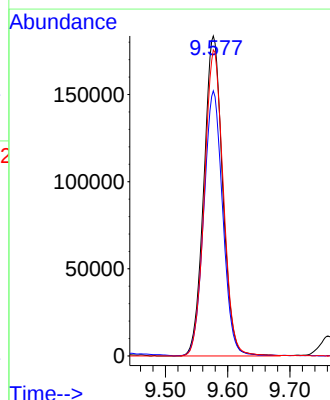
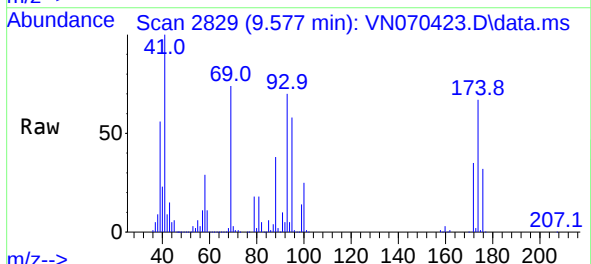
Tgt Ion: 93 Resp: 384984

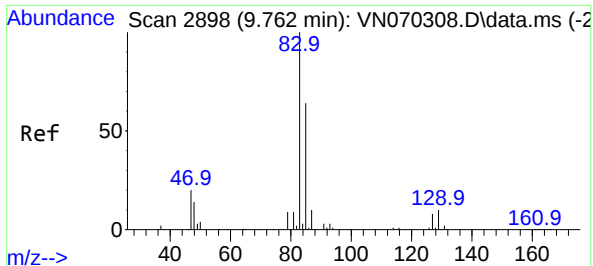
Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

174 95.8 84.6 127.0

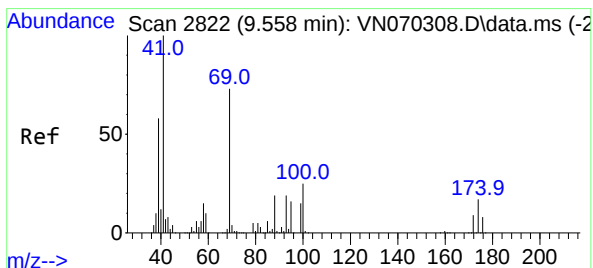
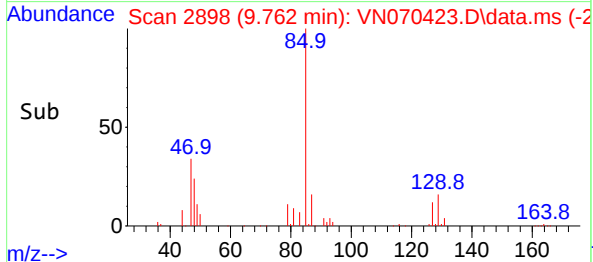
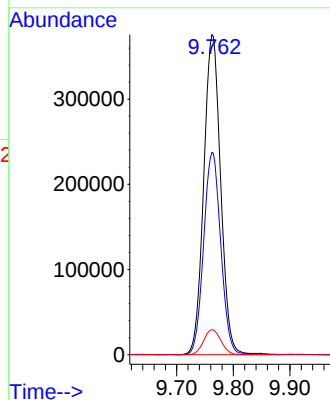
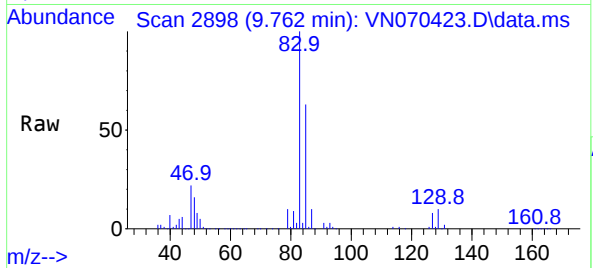




#47
Bromodichloromethane
Concen: 50.302 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. -0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

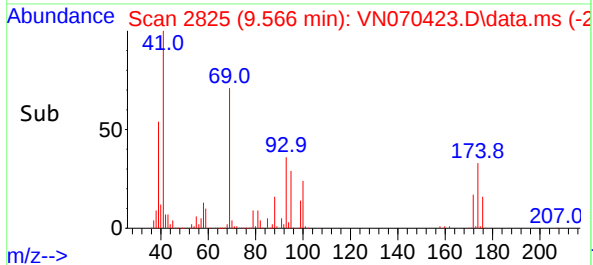
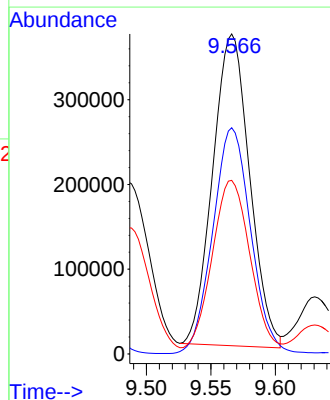
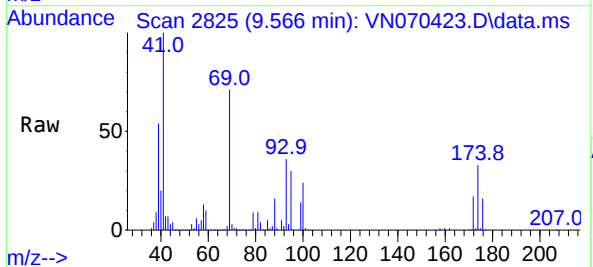
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

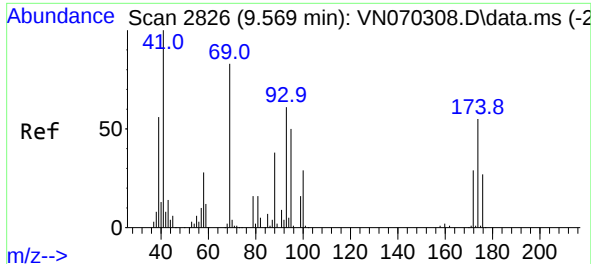
Tgt Ion: 83 Resp: 778446
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3
127 7.8 7.1 10.7



#48
Methyl methacrylate
Concen: 49.446 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. 0.008 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 41 Resp: 731867
Ion Ratio Lower Upper
41 100
69 74.6 72.4 108.6
39 55.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 1078.424 ug/l

RT: 9.582 min Scan# 2831

Delta R.T. 0.013 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

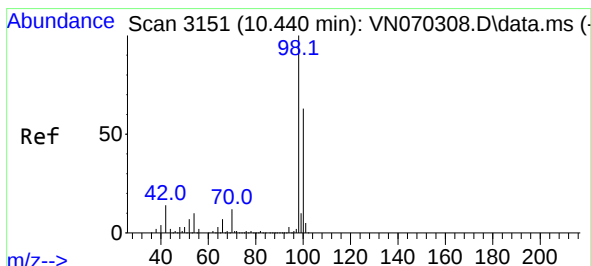
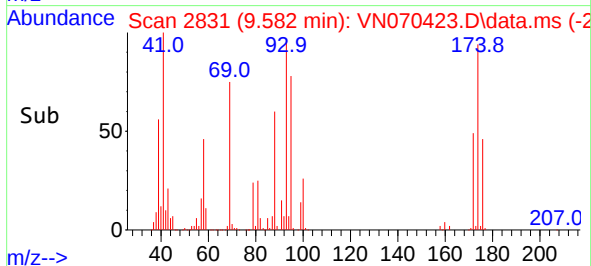
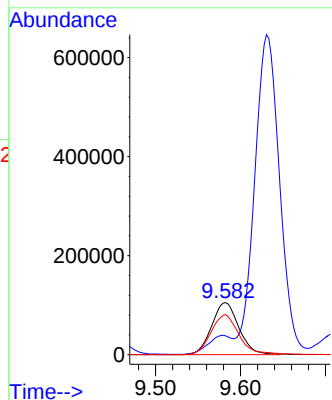
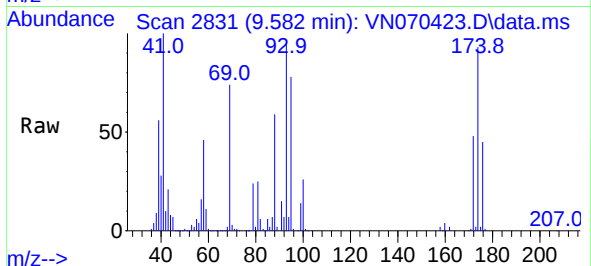
Tgt Ion: 88 Resp: 233658

Ion Ratio Lower Upper

88 100

43 32.9 23.4 35.2

58 80.5 50.6 75.8#



#50

Toluene-d8

Concen: 46.373 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VN070423.D

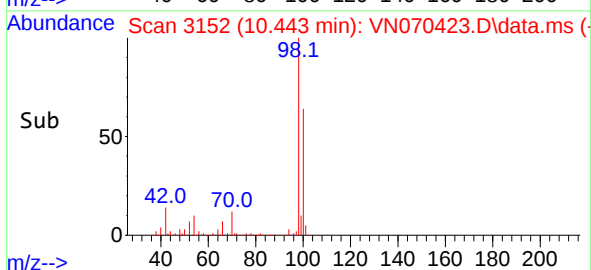
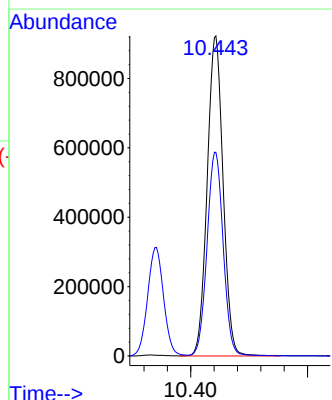
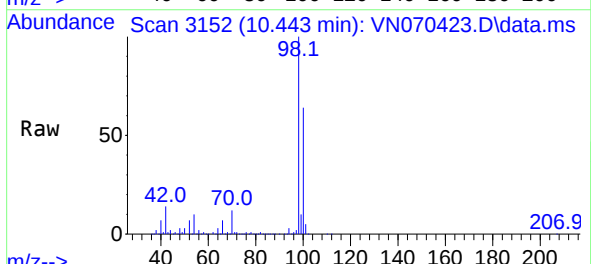
Acq: 31 Dec 2021 3:04

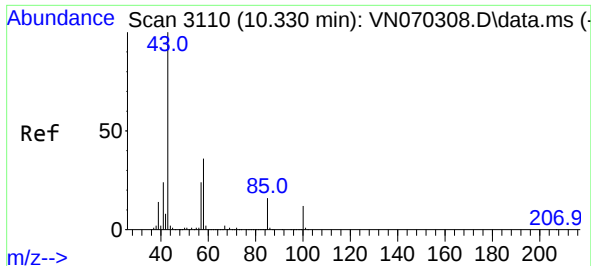
Tgt Ion: 98 Resp: 1738820

Ion Ratio Lower Upper

98 100

100 64.6 50.4 75.6

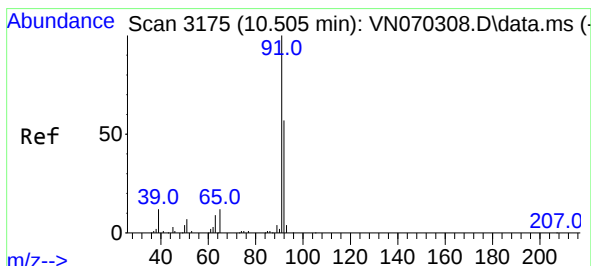
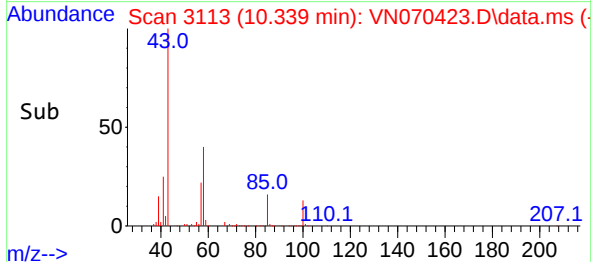
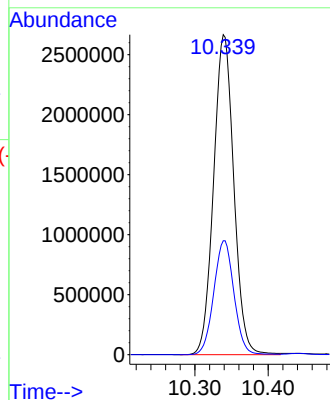
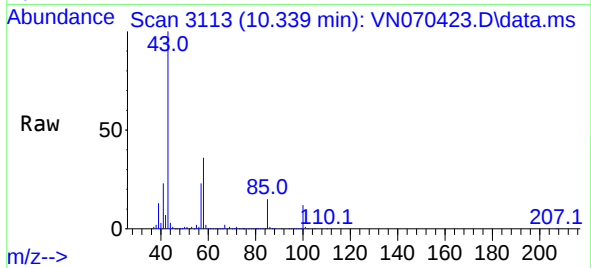




#51
4-Methyl-2-Pentanone
Concen: 261.644 ug/l
RT: 10.339 min Scan# 3110
Delta R.T. 0.009 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

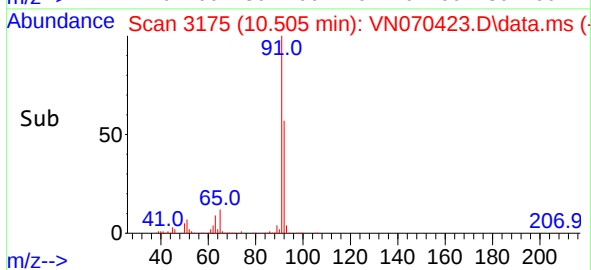
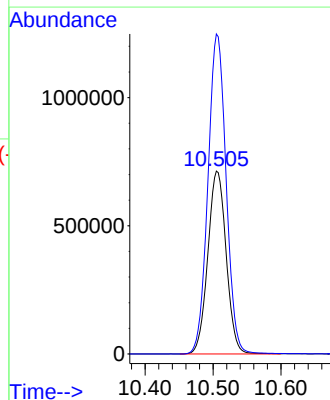
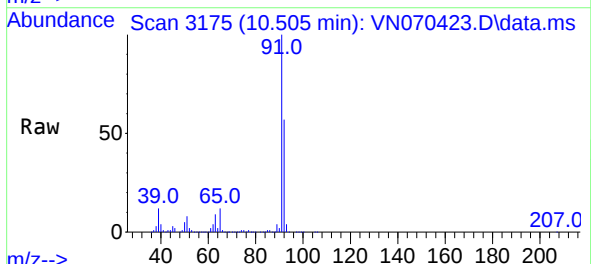
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

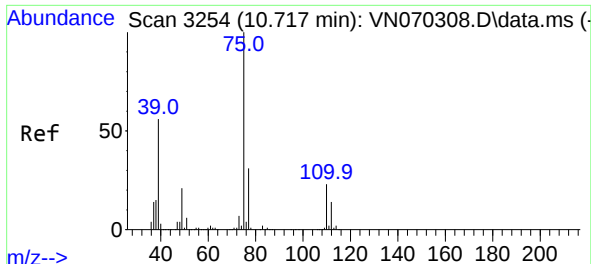
Tgt Ion: 43 Resp: 5101685
Ion Ratio Lower Upper
43 100
58 35.7 30.4 45.6



#52
Toluene
Concen: 47.434 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 92 Resp: 1336552
Ion Ratio Lower Upper
92 100
91 173.8 142.0 213.0

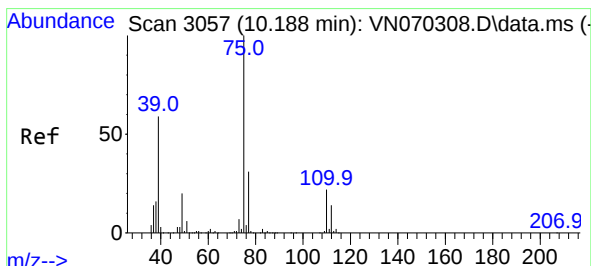
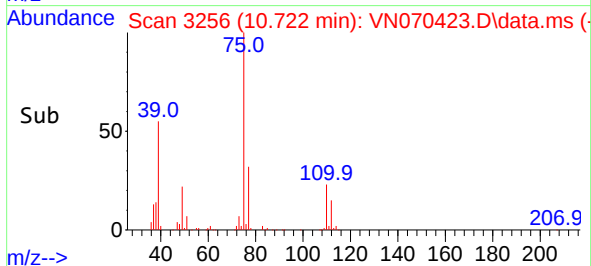
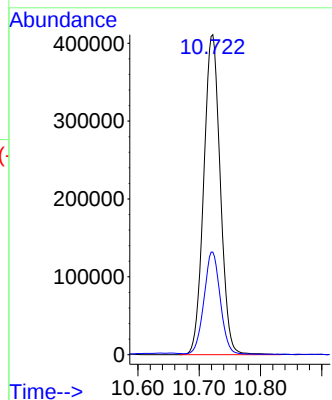
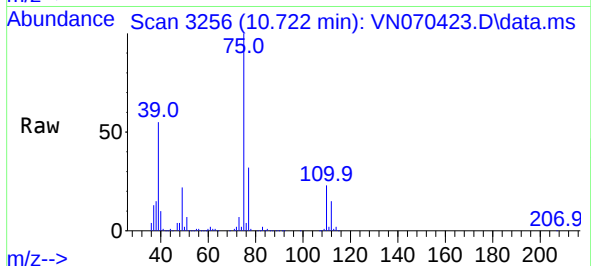




#53
 t-1,3-Dichloropropene
 Concen: 46.027 ug/l
 RT: 10.722 min Scan# 31
 Delta R.T. 0.005 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

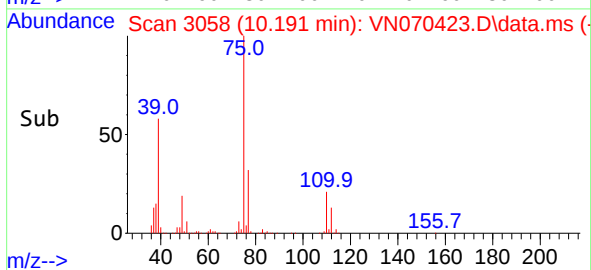
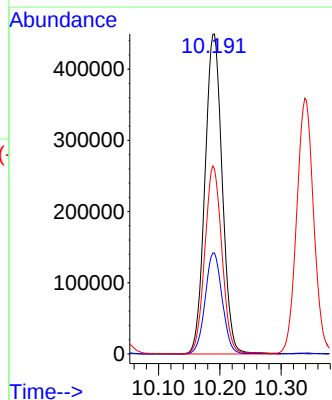
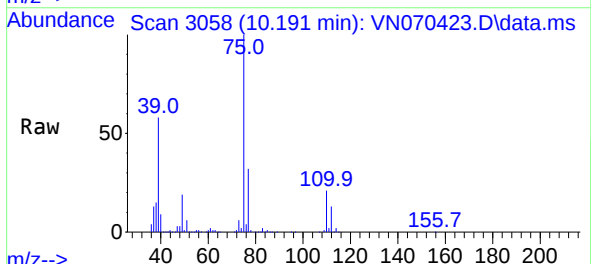
Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMS

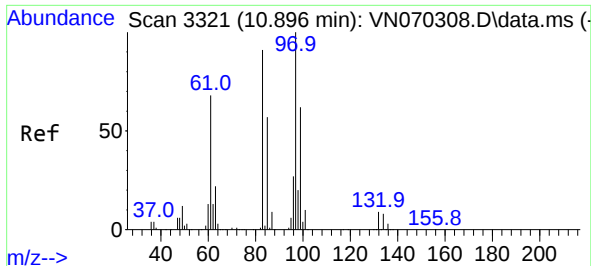
Tgt Ion: 75 Resp: 771107
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 48.576 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

Tgt Ion: 75 Resp: 880342
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.4 39.6
 39 57.8 42.5 63.7

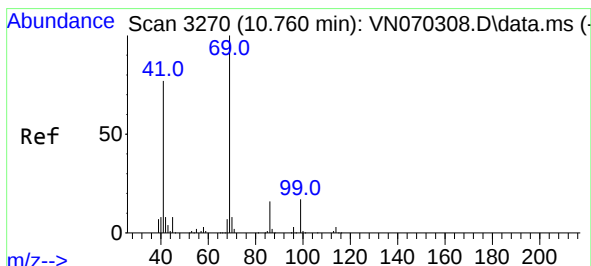
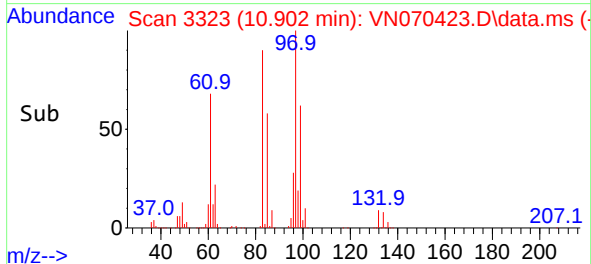
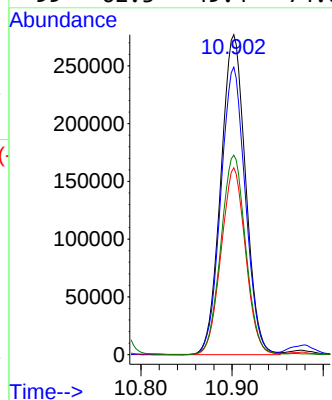
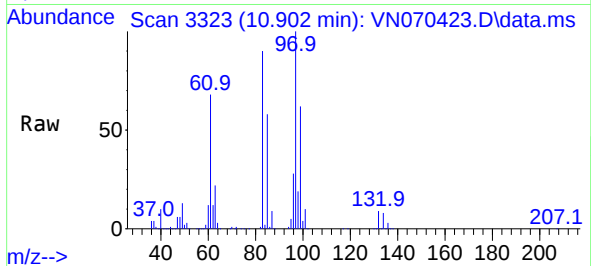




#55
1,1,2-Trichloroethane
Concen: 46.839 ug/l
RT: 10.902 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

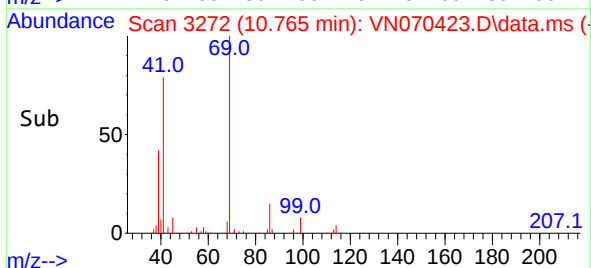
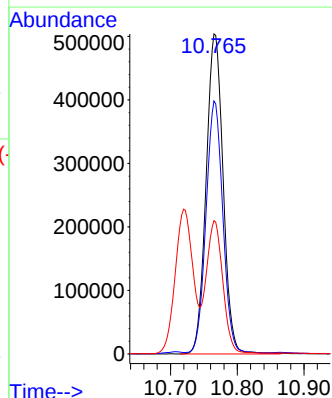
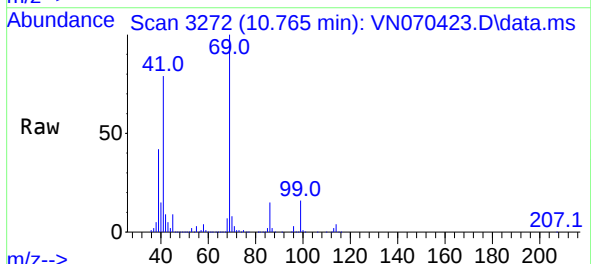
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

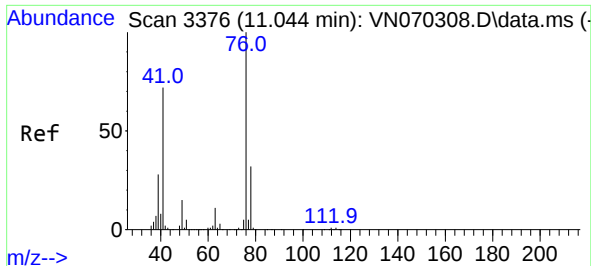
Tgt Ion: 97 Resp: 522191
Ion Ratio Lower Upper
97 100
83 89.8 67.8 101.6
85 58.4 45.4 68.2
99 62.3 49.4 74.0



#56
Ethyl methacrylate
Concen: 48.369 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 69 Resp: 891010
Ion Ratio Lower Upper
69 100
41 77.6 51.4 77.0#
39 40.7 34.6 52.0





#57

1,3-Dichloropropane

Concen: 47.814 ug/l

RT: 11.047 min Scan# 31

Delta R.T. 0.003 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

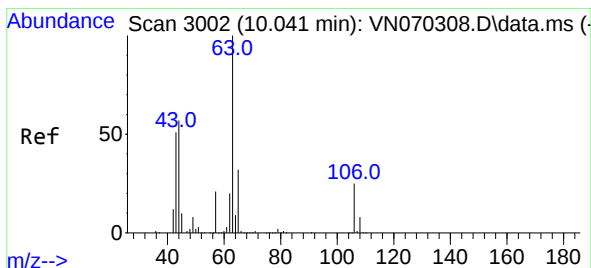
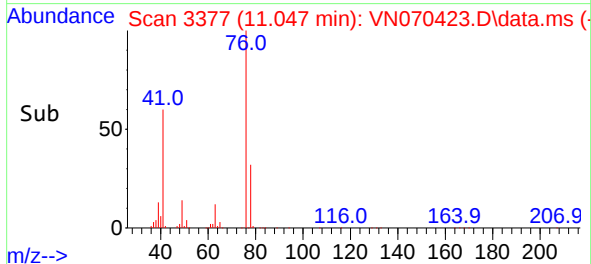
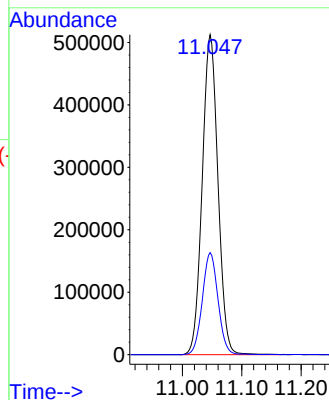
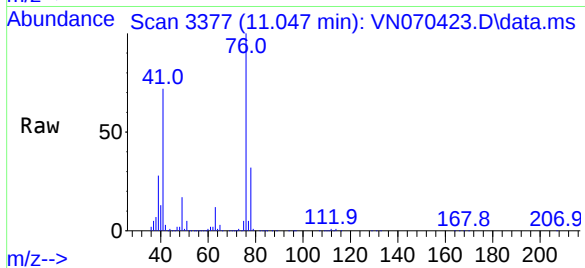
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion: 76 Resp: 942825

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 293.399 ug/l

RT: 10.044 min Scan# 3003

Delta R.T. 0.003 min

Lab File: VN070423.D

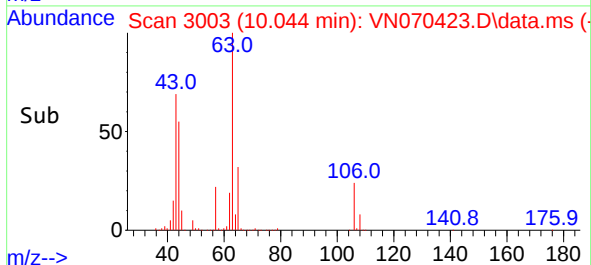
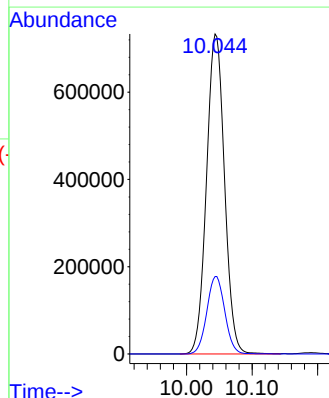
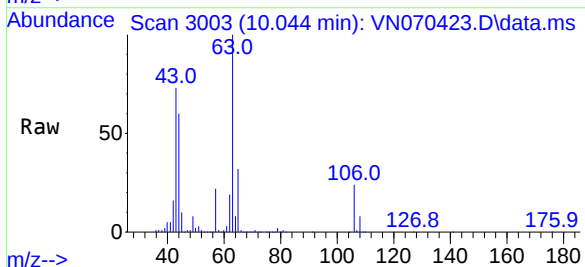
Acq: 31 Dec 2021 3:04

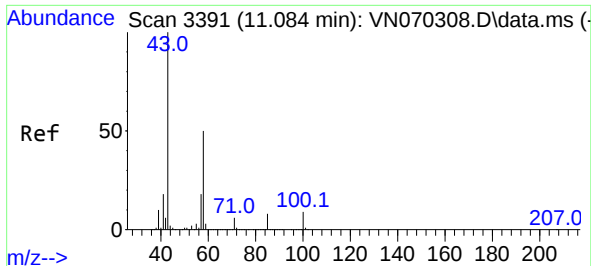
Tgt Ion: 63 Resp: 1396870

Ion Ratio Lower Upper

63 100

106 24.2 23.9 35.9

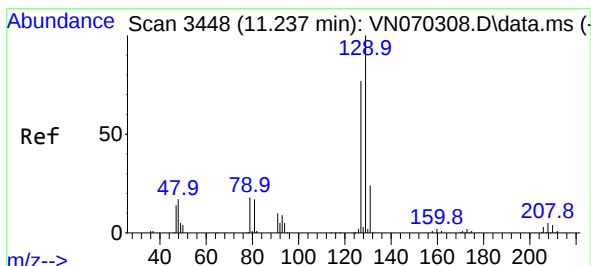
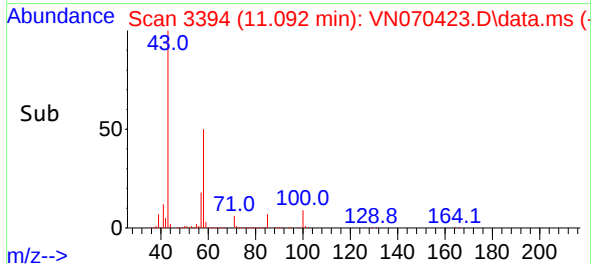
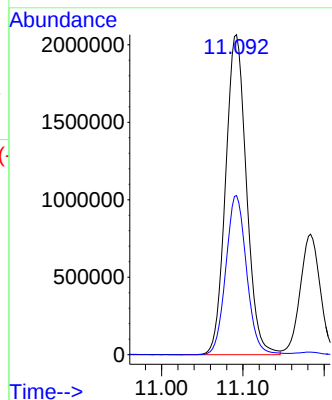
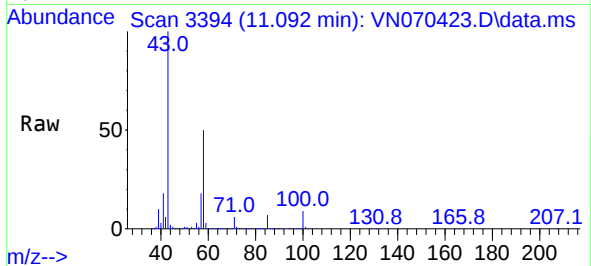




#59
2-Hexanone
Concen: 258.821 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

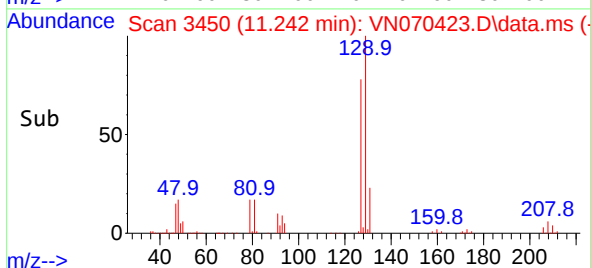
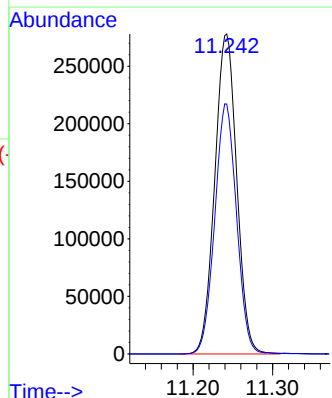
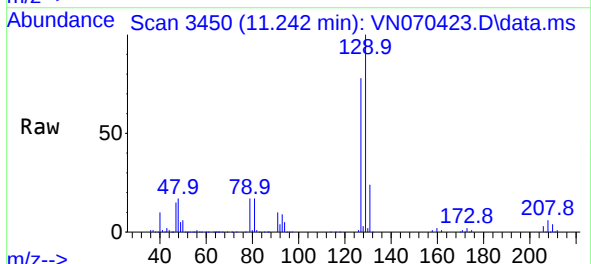
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

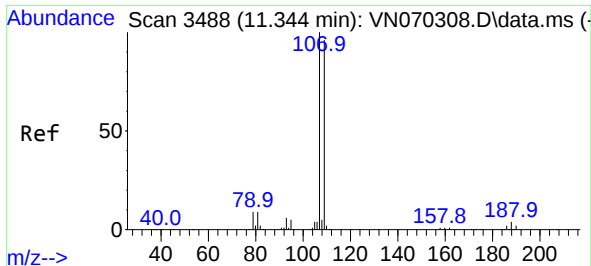
Tgt Ion: 43 Resp: 3680244
Ion Ratio Lower Upper
43 100
58 49.6 26.9 80.7



#60
Dibromochloromethane
Concen: 49.157 ug/l
RT: 11.242 min Scan# 3450
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:129 Resp: 534704
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0

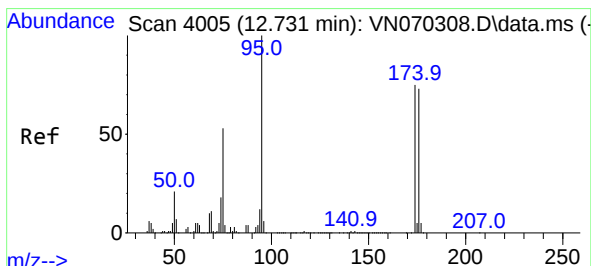
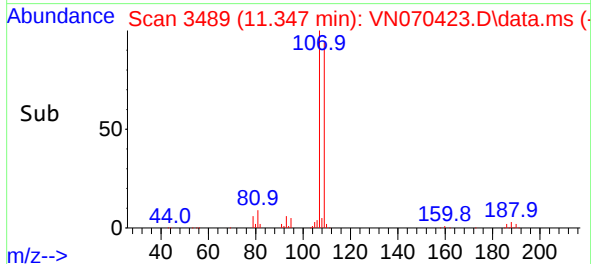
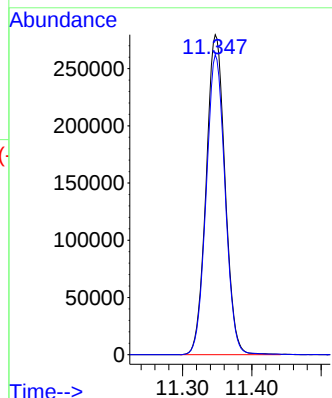
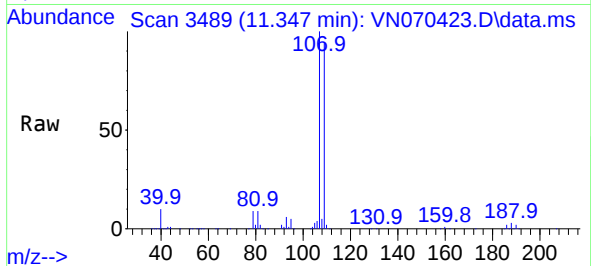




#61
1,2-Dibromoethane
Concen: 46.896 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

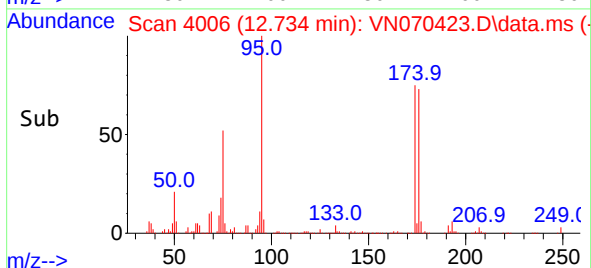
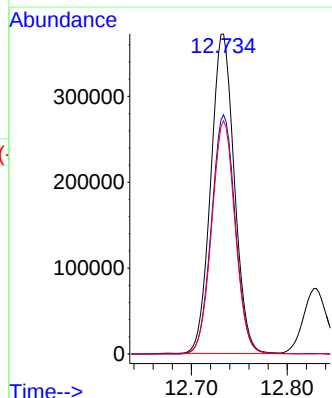
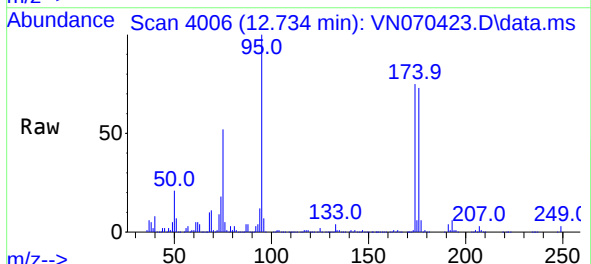
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

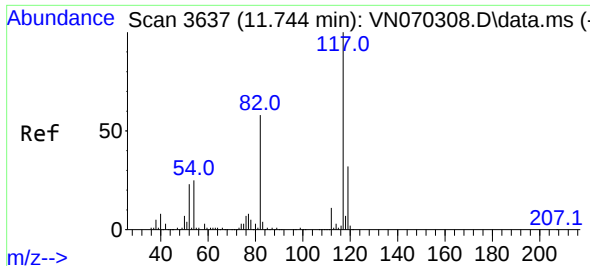
Tgt Ion:107 Resp: 530865
Ion Ratio Lower Upper
107 100
109 93.3 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 46.835 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 95 Resp: 634275
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.0 0.0 181.4

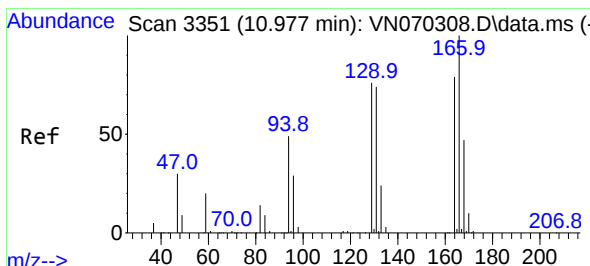
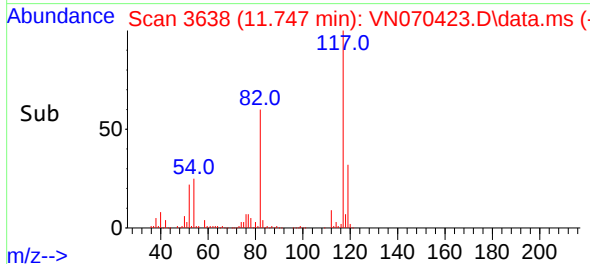
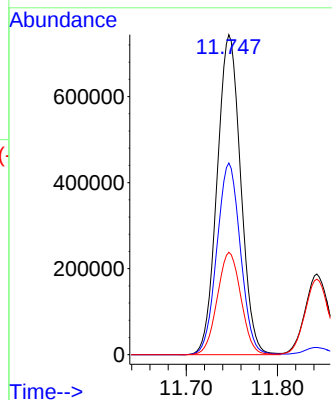
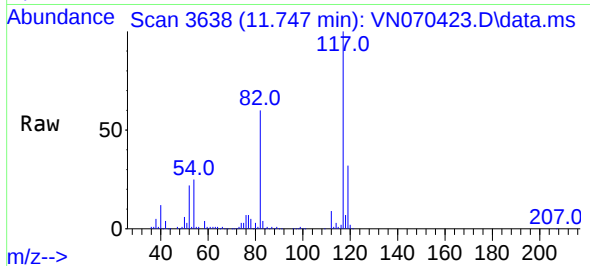




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

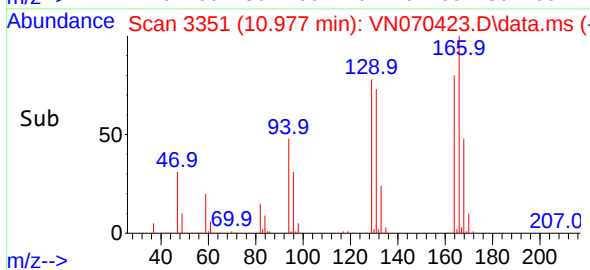
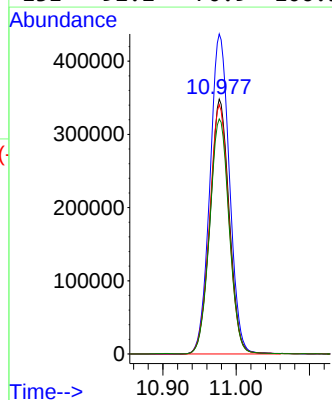
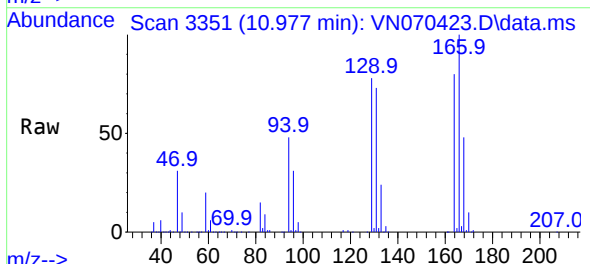
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

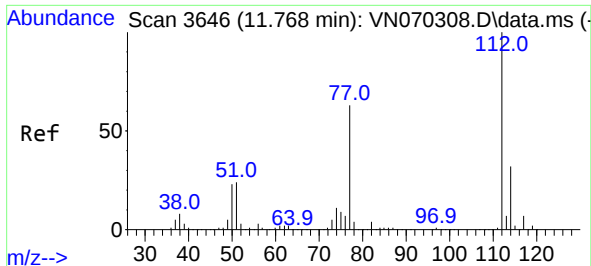
Tgt Ion:117 Resp: 1335267
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 65.550 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:164 Resp: 633821
Ion Ratio Lower Upper
164 100
166 125.6 101.9 152.9
129 97.8 72.0 108.0
131 92.2 70.9 106.3

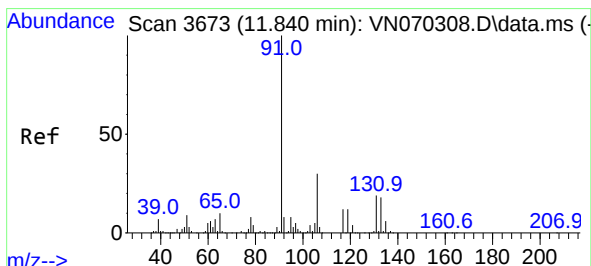
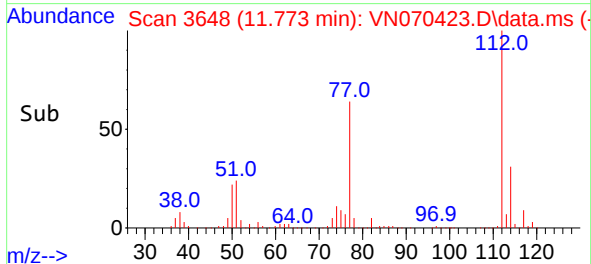
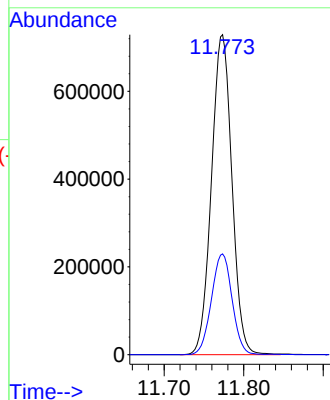
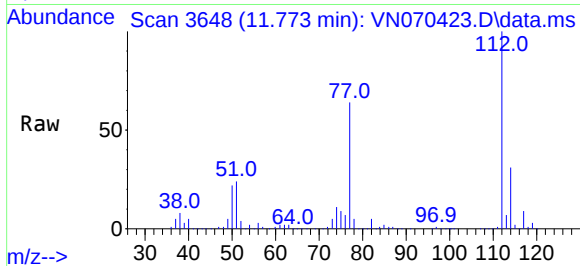




#65
Chlorobenzene
Concen: 45.945 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

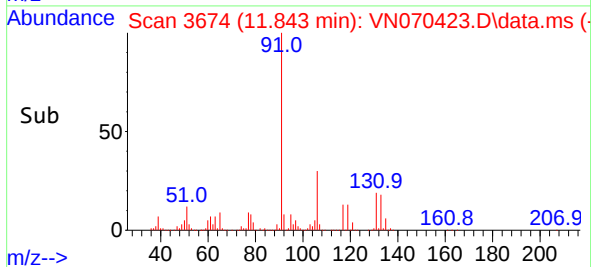
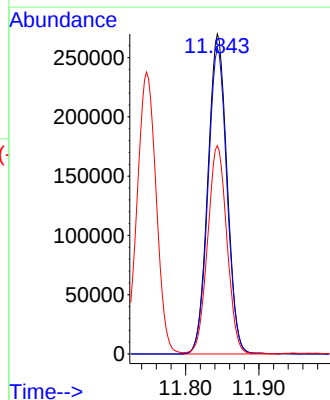
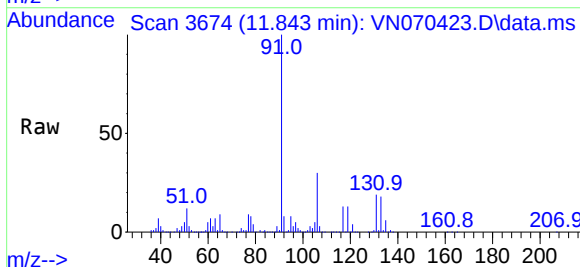
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

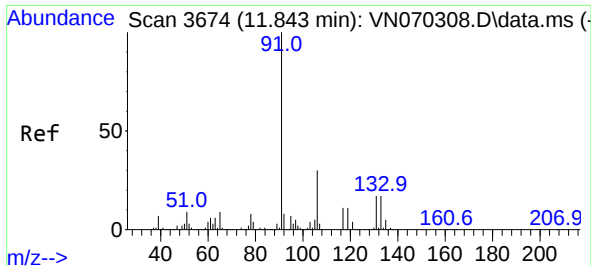
Tgt Ion:112 Resp: 1301690
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.401 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:131 Resp: 489541
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.7
119 65.4 32.1 96.5

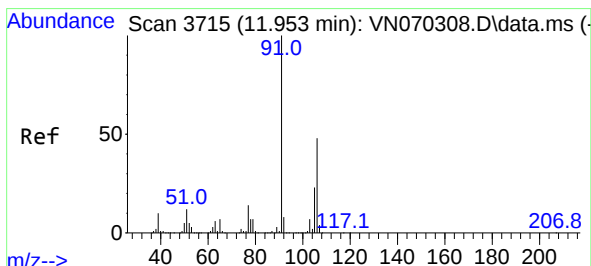
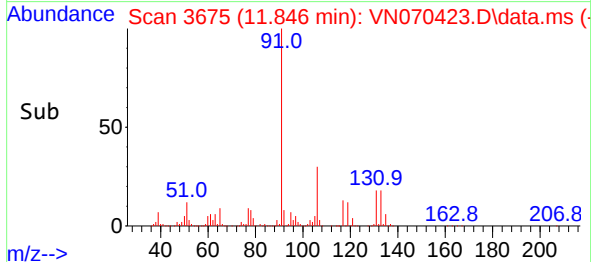
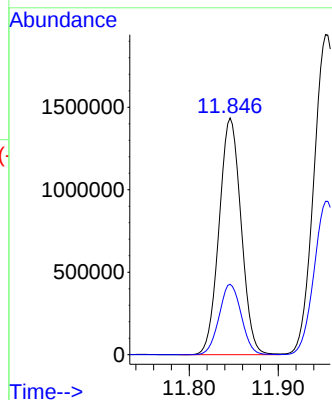
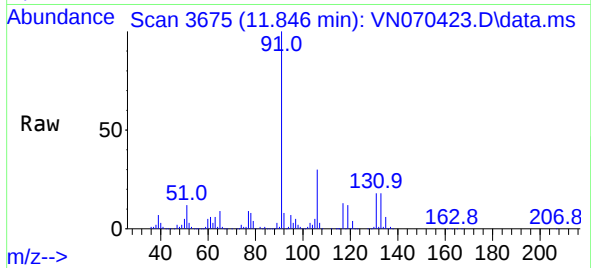




#67
Ethyl Benzene
Concen: 47.553 ug/l
RT: 11.846 min Scan# 3674
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

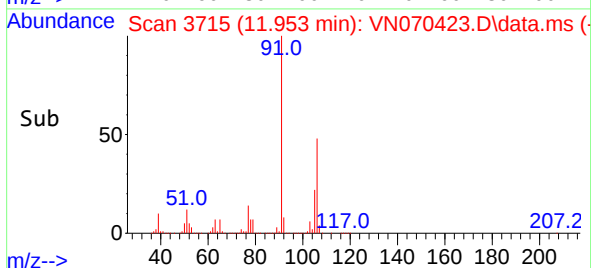
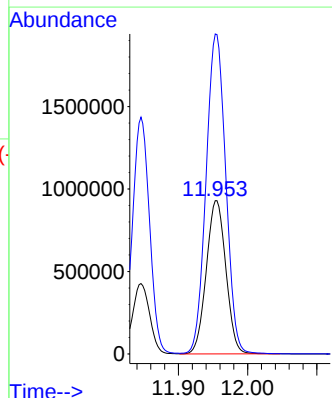
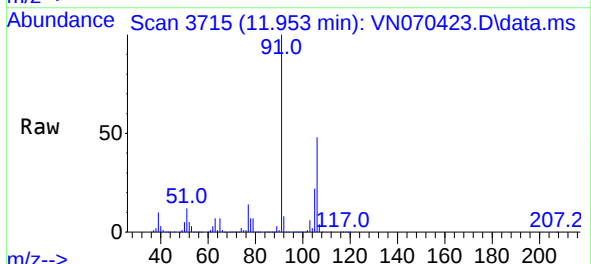
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

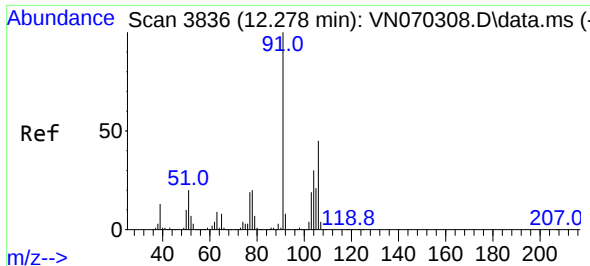
Tgt Ion: 91 Resp: 2468466
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5



#68
m/p-Xylenes
Concen: 96.487 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:106 Resp: 1823165
Ion Ratio Lower Upper
106 100
91 210.2 160.6 240.8

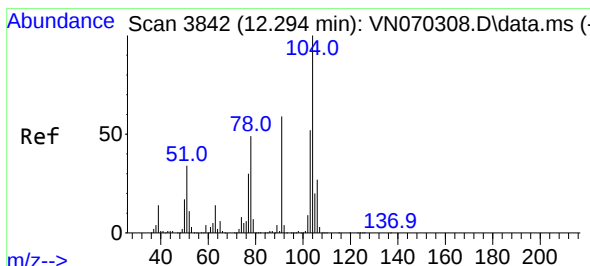
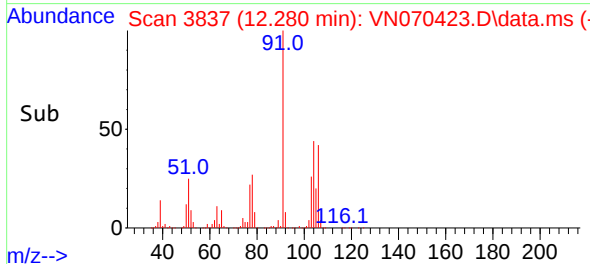
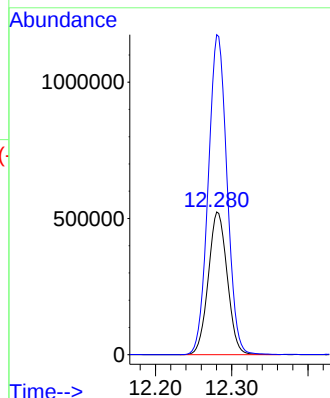
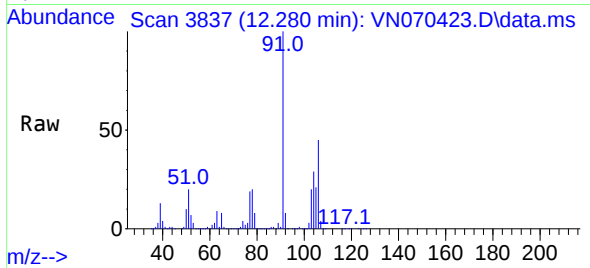




#69
o-Xylene
Concen: 47.957 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

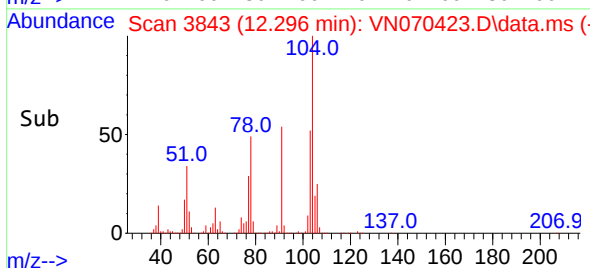
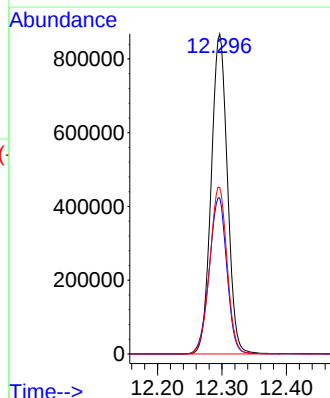
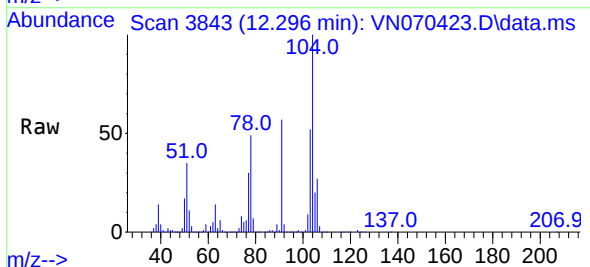
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

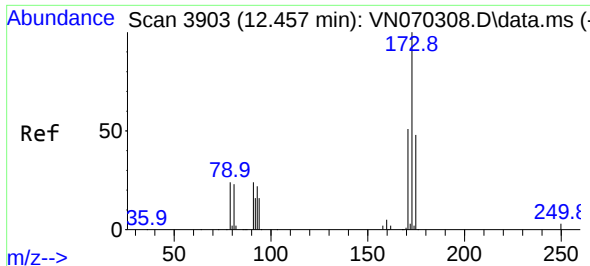
Tgt Ion:106 Resp: 901326
Ion Ratio Lower Upper
106 100
91 222.7 105.8 317.3



#70
Styrene
Concen: 51.025 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:104 Resp: 1517799
Ion Ratio Lower Upper
104 100
78 53.1 38.7 58.1
103 55.8 45.0 67.6

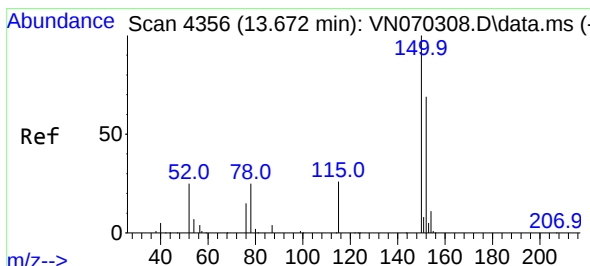
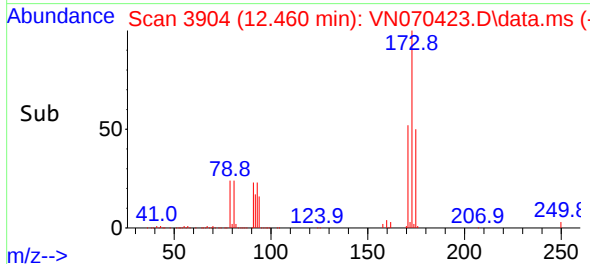
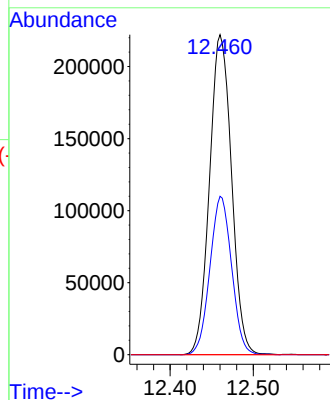
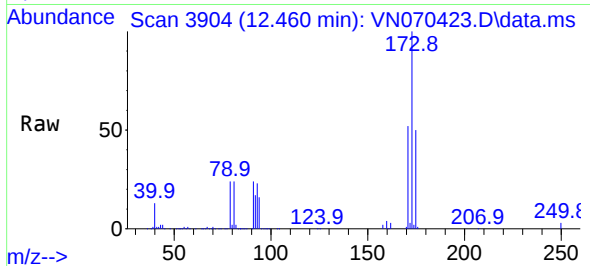




#71
Bromoform
Concen: 54.474 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

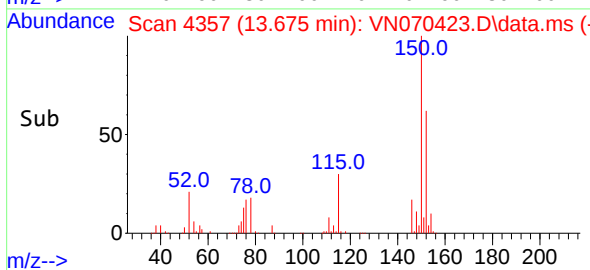
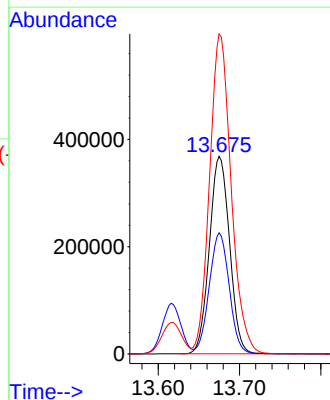
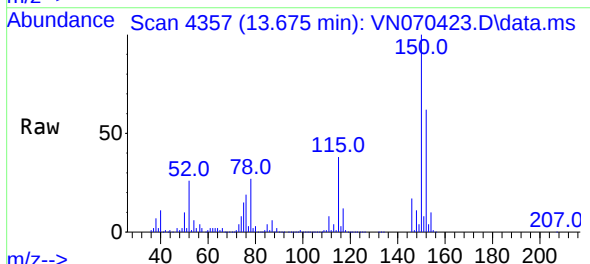
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

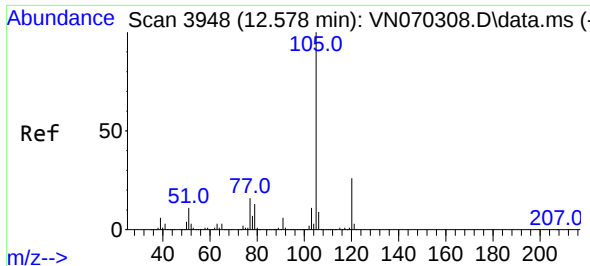
Tgt Ion:173 Resp: 408901
Ion Ratio Lower Upper
173 100
175 48.8 24.2 72.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:152 Resp: 635783
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 173.3 0.0 344.4

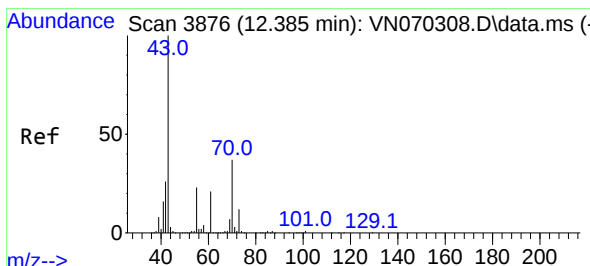
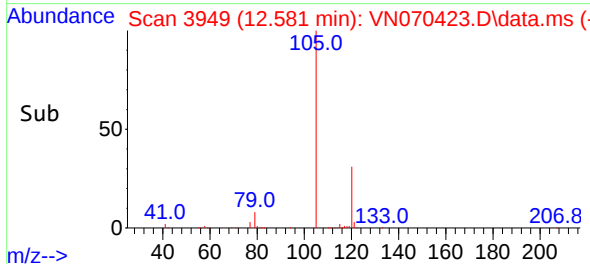
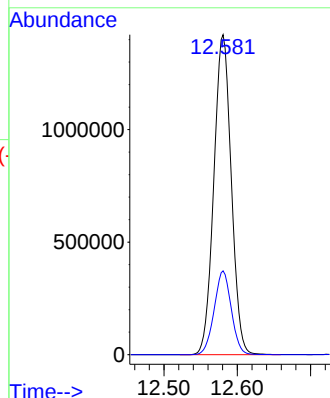
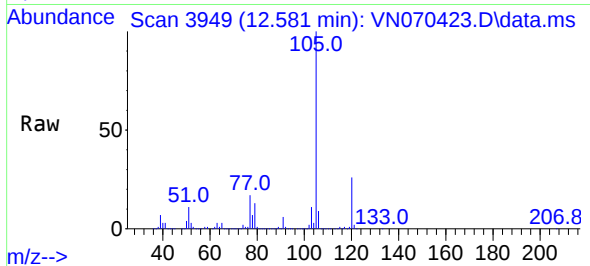




#73
Isopropylbenzene
Concen: 39.768 ug/l
RT: 12.581 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

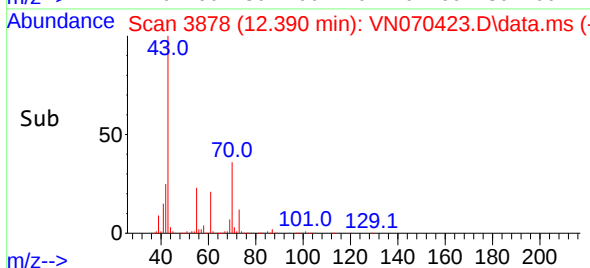
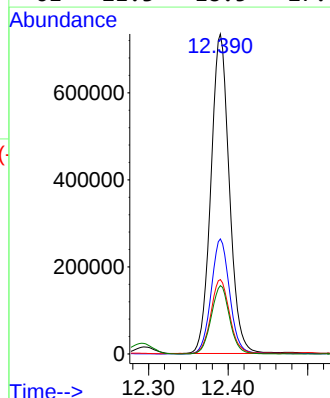
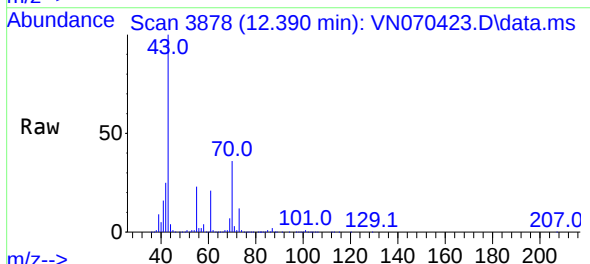
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

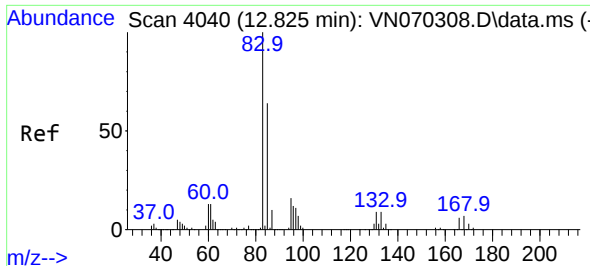
Tgt Ion:105 Resp: 2347998
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1



#74
N-ethyl acetate
Concen: 47.541 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 43 Resp: 1180205
Ion Ratio Lower Upper
43 100
70 36.3 33.4 50.0
55 23.4 19.3 28.9
61 21.3 18.5 27.7

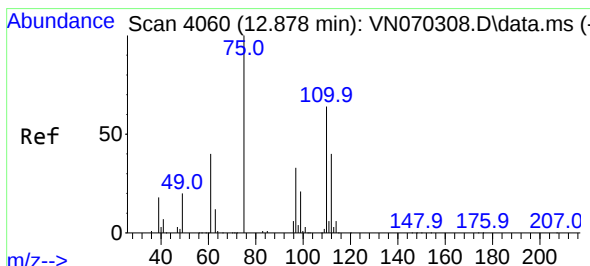
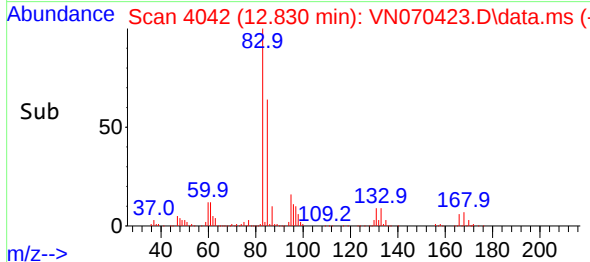
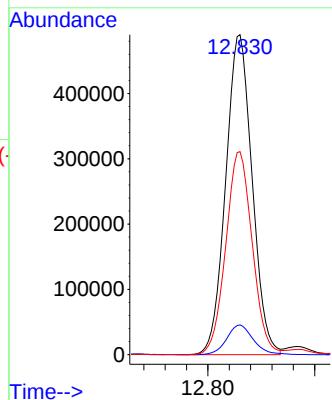
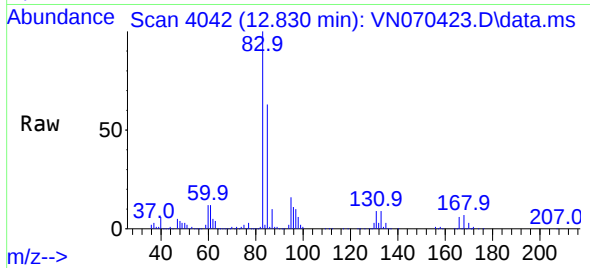




#75
1,1,2,2-Tetrachloroethane
Concen: 42.969 ug/l
RT: 12.830 min Scan# 4040
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

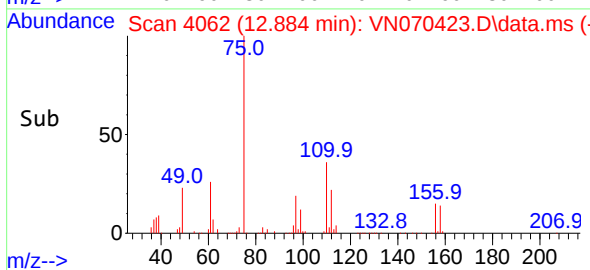
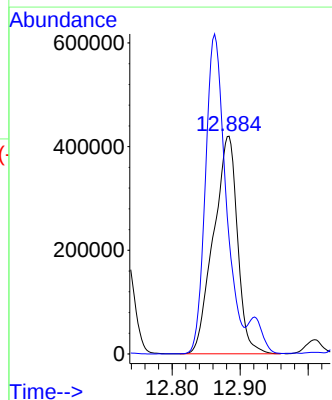
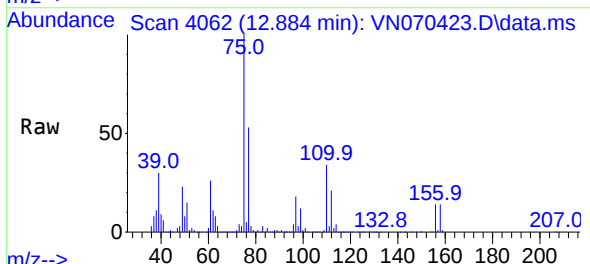
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

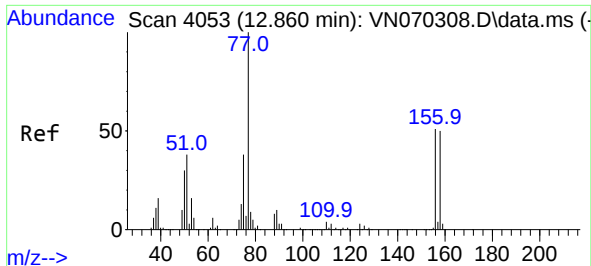
Tgt Ion: 83 Resp: 843379
Ion Ratio Lower Upper
83 100
131 9.4 5.5 16.5
85 63.6 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 54.383 ug/l
RT: 12.884 min Scan# 4062
Delta R.T. 0.006 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 75 Resp: 1028377
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#

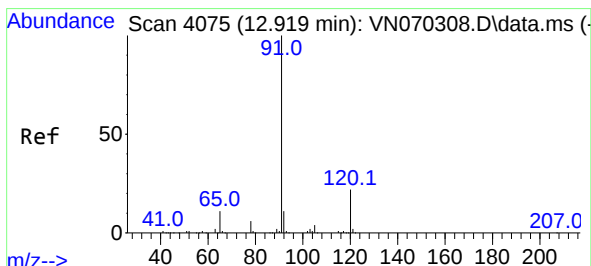
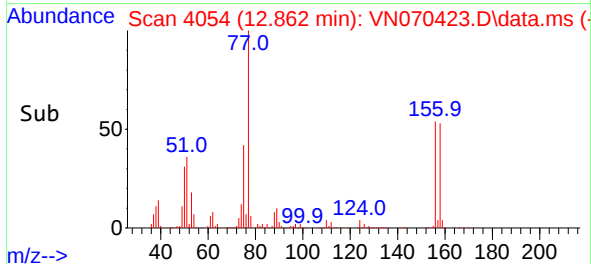
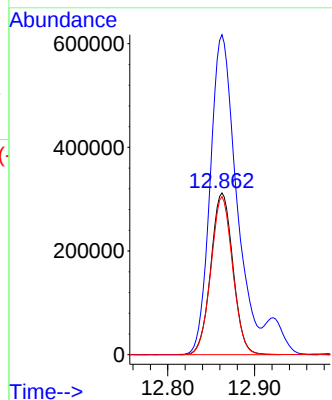
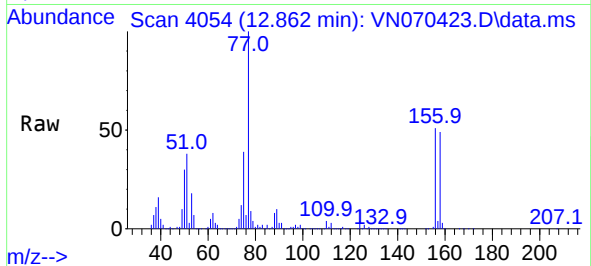




#77
Bromobenzene
Concen: 40.660 ug/l
RT: 12.862 min Scan# 4053
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

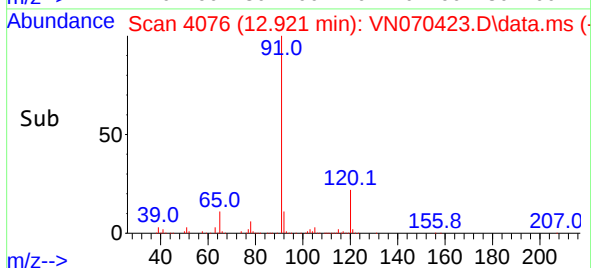
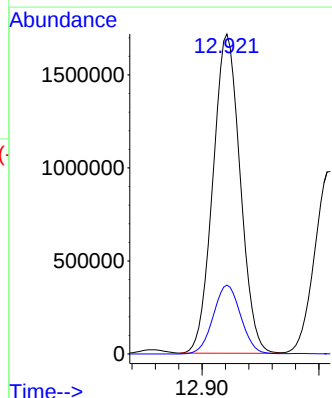
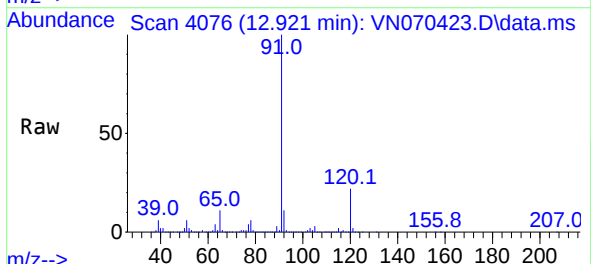
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

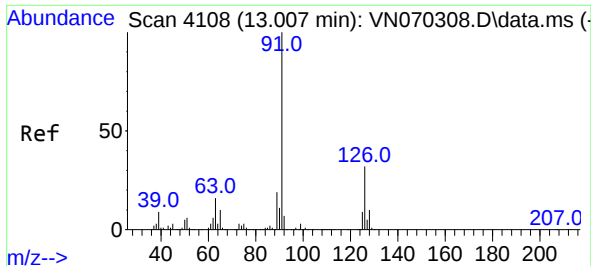
Tgt Ion:156 Resp: 551147
Ion Ratio Lower Upper
156 100
77 234.0 90.6 271.8
158 96.4 48.9 146.7



#78
n-propylbenzene
Concen: 42.508 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 91 Resp: 2780749
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9

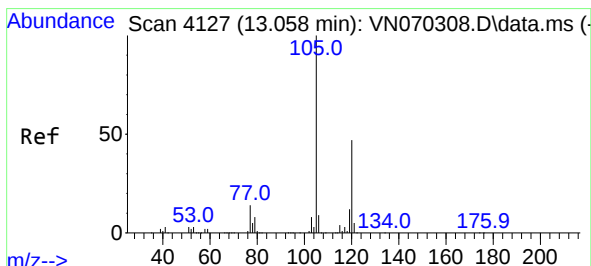
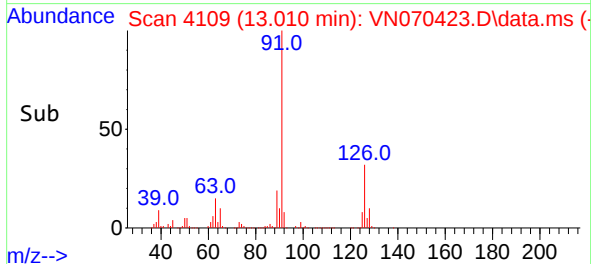
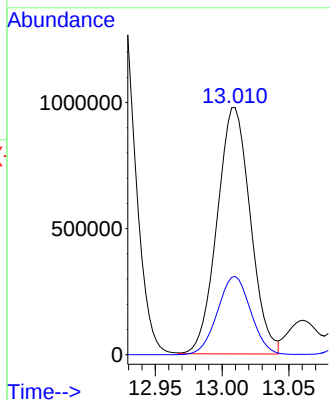
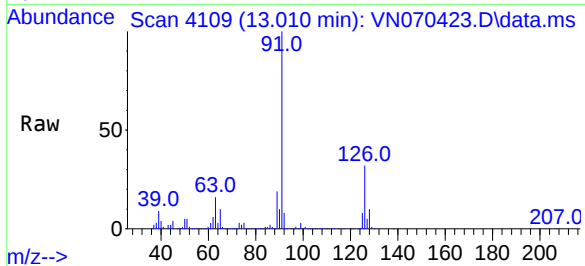




#79
2-Chlorotoluene
Concen: 40.383 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

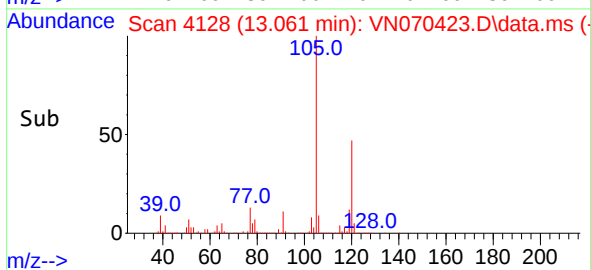
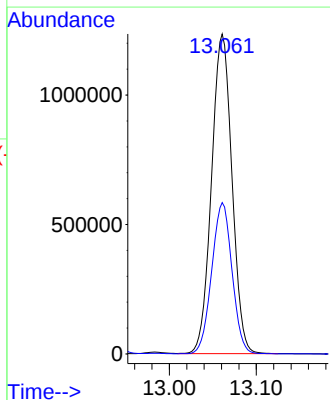
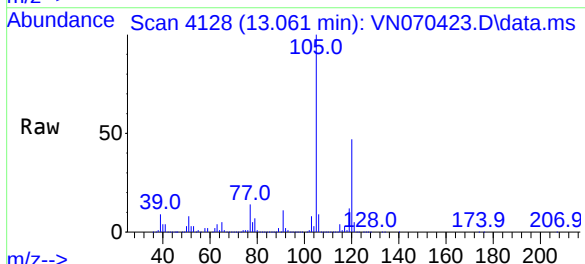
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

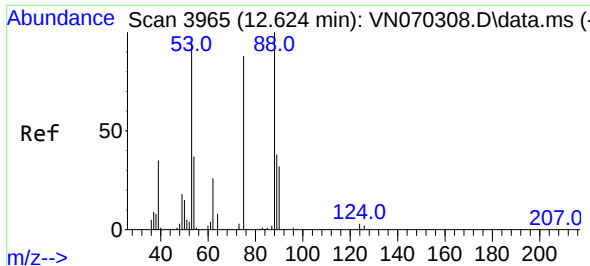
Tgt Ion: 91 Resp: 1695038
Ion Ratio Lower Upper
91 100
126 31.8 18.3 54.8



#80
1,3,5-Trimethylbenzene
Concen: 42.601 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:105 Resp: 2015602
Ion Ratio Lower Upper
105 100
120 47.1 24.6 73.6

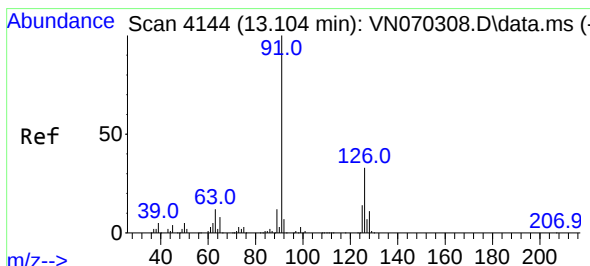
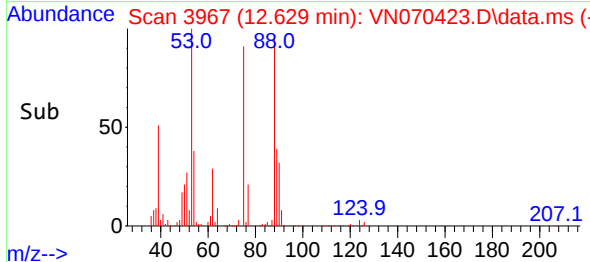
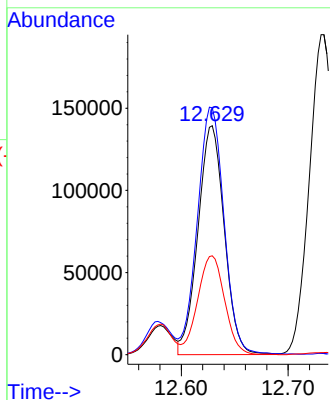
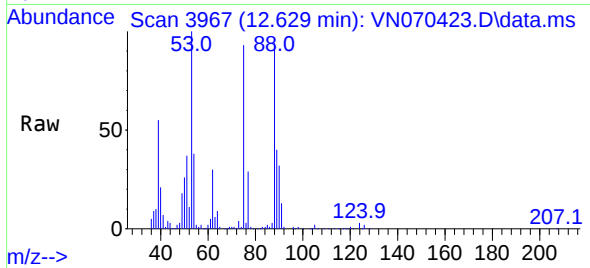




#81
trans-1,4-Dichloro-2-butene
Concen: 45.893 ug/l
RT: 12.629 min Scan# 3965
Delta R.T. 0.005 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

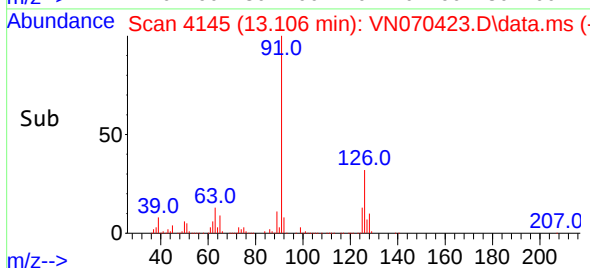
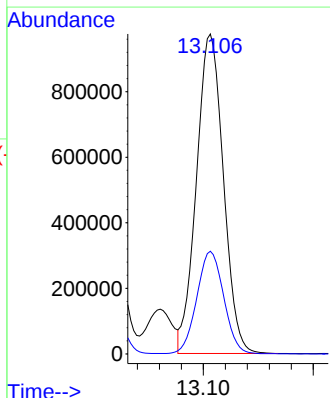
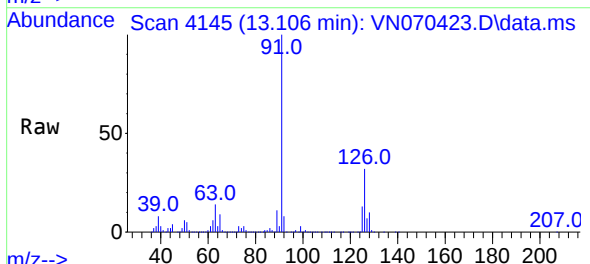
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

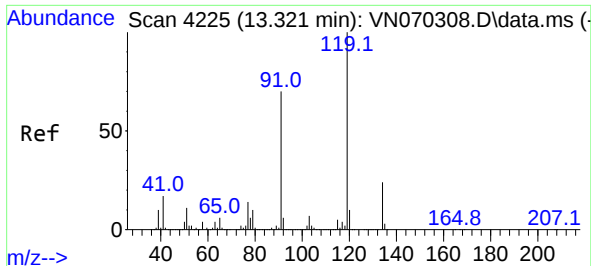
Tgt Ion: 75 Resp: 238816
Ion Ratio Lower Upper
75 100
53 109.1 90.5 135.7
89 44.3 38.2 57.4



#82
4-Chlorotoluene
Concen: 42.152 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 91 Resp: 1657296
Ion Ratio Lower Upper
91 100
126 32.3 18.2 54.6

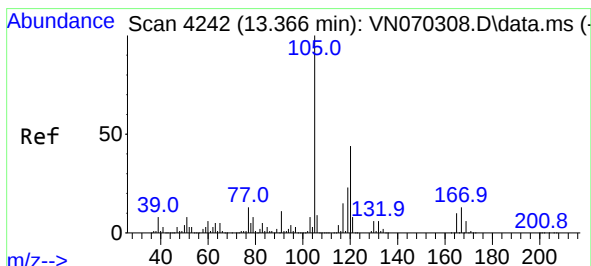
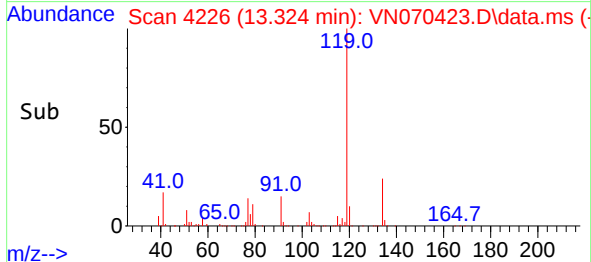
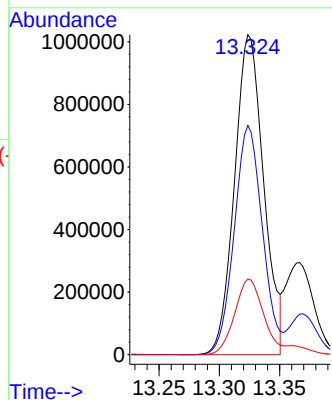
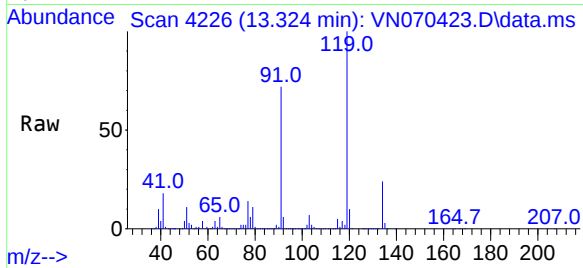




#83
tert-Butylbenzene
Concen: 41.355 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

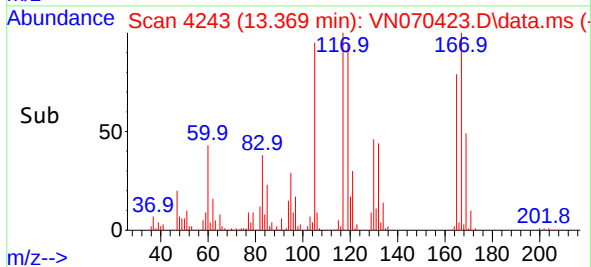
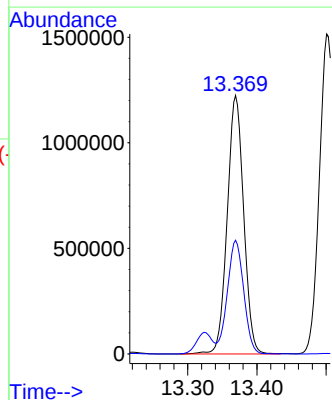
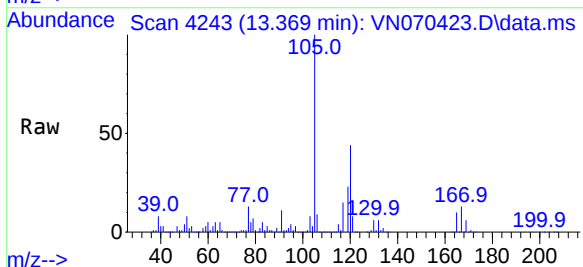
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

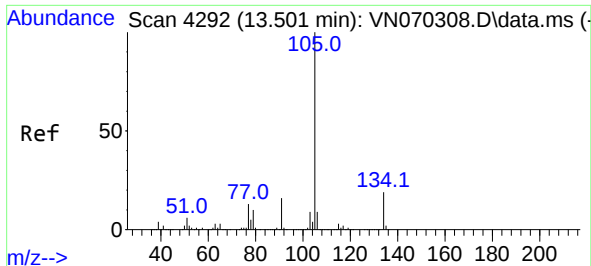
Tgt Ion:119 Resp: 1722884
Ion Ratio Lower Upper
119 100
91 69.6 31.5 94.5
134 23.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 44.300 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:105 Resp: 2018259
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4

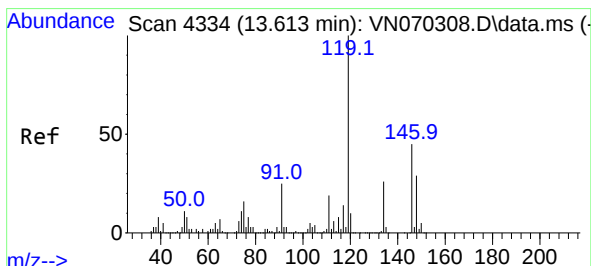
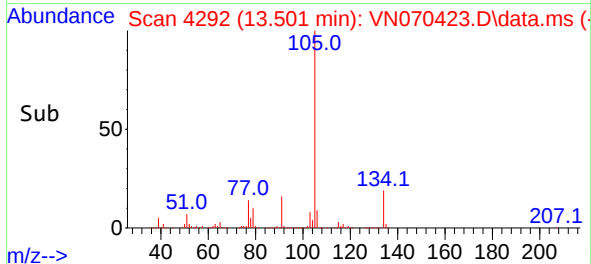
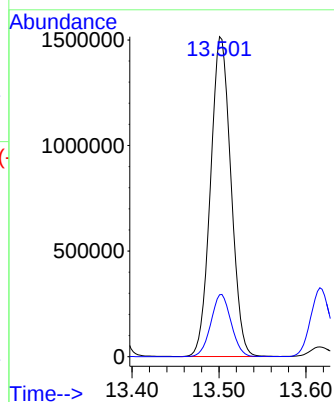
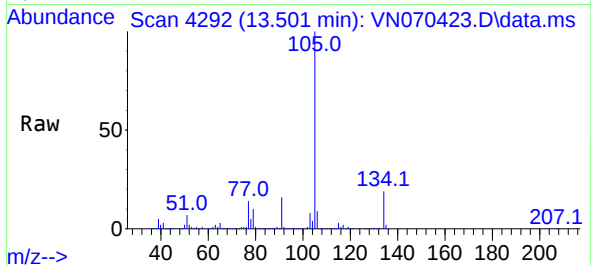




#85
 sec-Butylbenzene
 Concen: 43.638 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

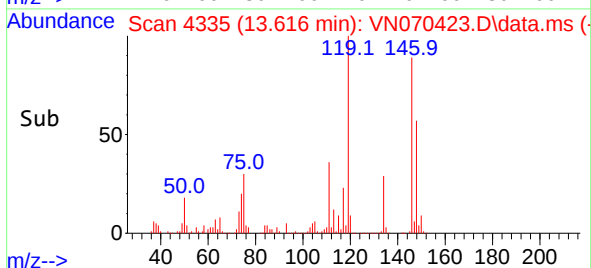
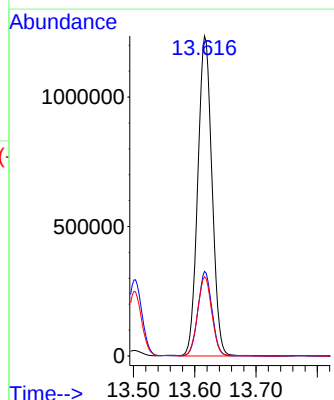
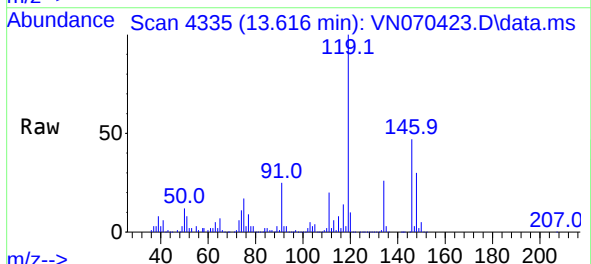
Instrument :
 MSVOA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EASTMEMS

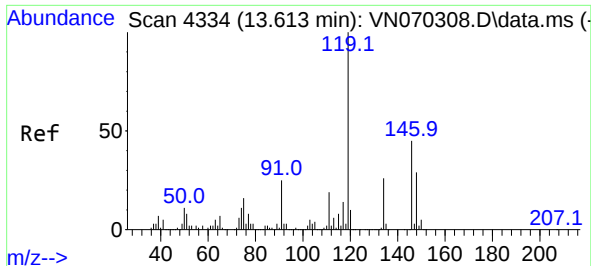
Tgt Ion:105 Resp: 2468236
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 44.750 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.003 min
 Lab File: VN070423.D
 Acq: 31 Dec 2021 3:04

Tgt Ion:119 Resp: 1988297
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.6 40.7
 91 24.5 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 44.369 ug/l

RT: 13.616 min Scan# 4334

Delta R.T. 0.003 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

Instrument :

MSVOA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EASTMEMS

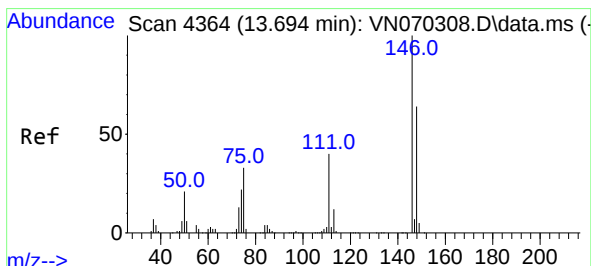
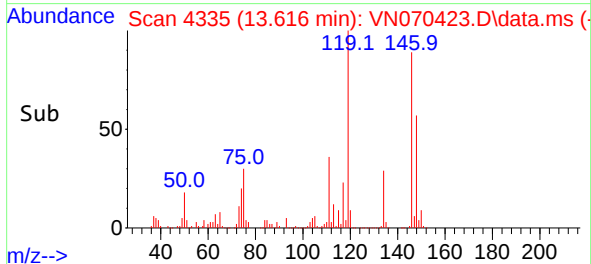
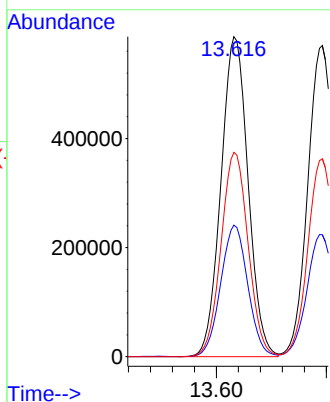
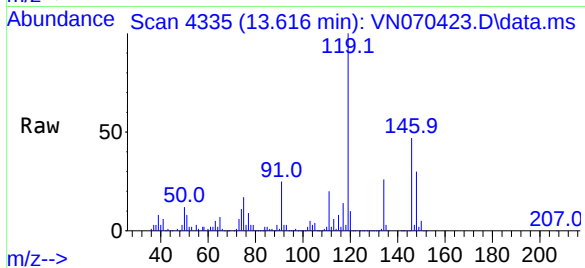
Tgt Ion:146 Resp: 1006809

Ion Ratio Lower Upper

146 100

111 41.0 18.6 55.6

148 63.8 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 43.918 ug/l

RT: 13.696 min Scan# 4365

Delta R.T. 0.002 min

Lab File: VN070423.D

Acq: 31 Dec 2021 3:04

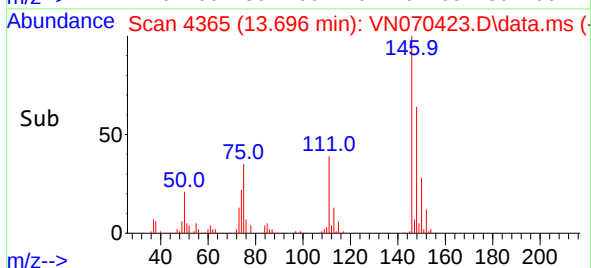
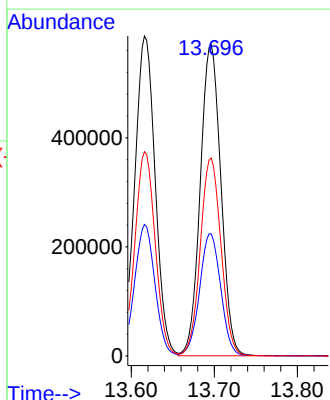
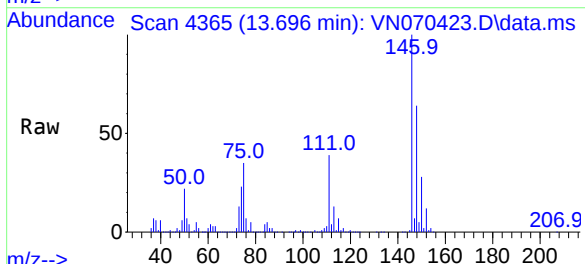
Tgt Ion:146 Resp: 983038

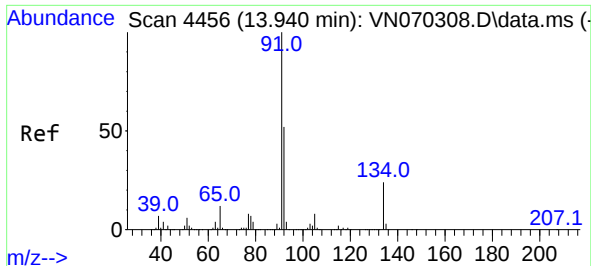
Ion Ratio Lower Upper

146 100

111 40.0 18.3 54.8

148 63.8 31.8 95.4

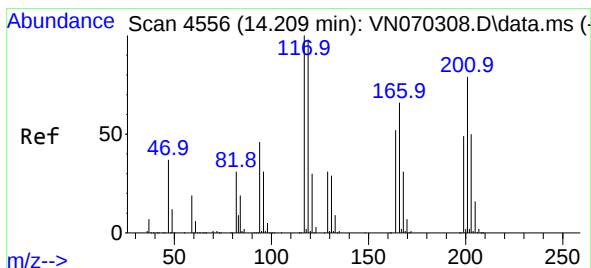
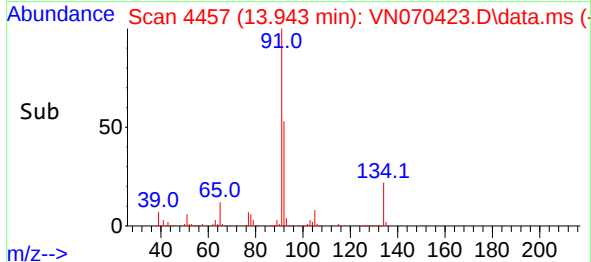
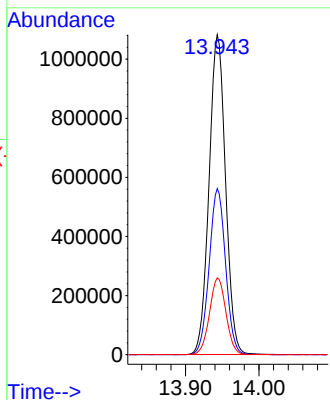
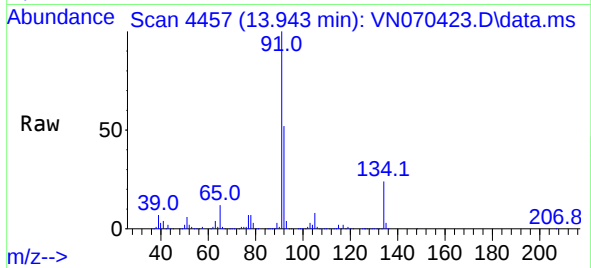




#89
n-Butylbenzene
Concen: 45.565 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

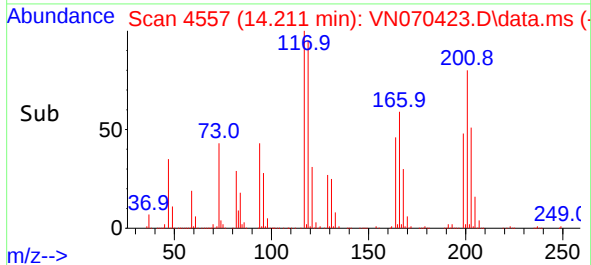
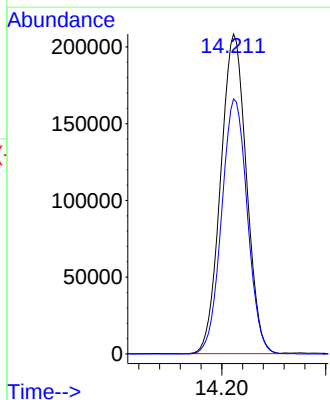
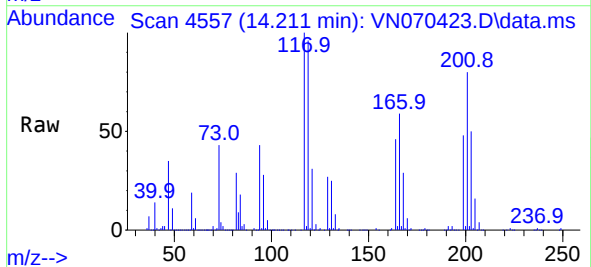
Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

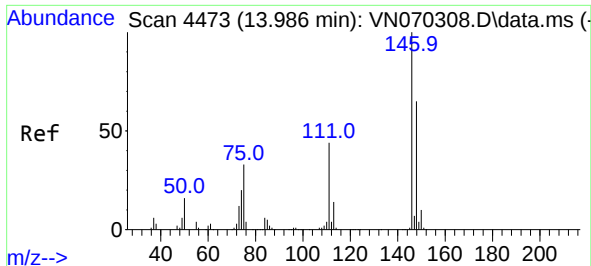
Tgt Ion: 91 Resp: 1688656
Ion Ratio Lower Upper
91 100
92 51.8 25.4 76.0
134 23.9 13.6 40.8



#90
Hexachloroethane
Concen: 46.493 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

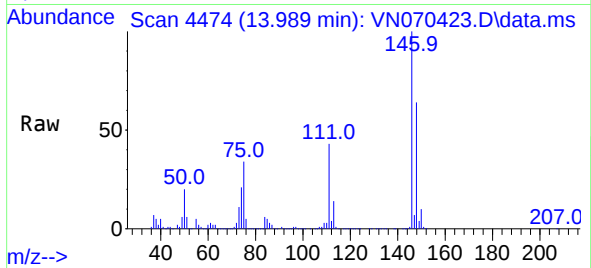
Tgt Ion: 117 Resp: 358870
Ion Ratio Lower Upper
117 100
201 79.6 43.9 131.6



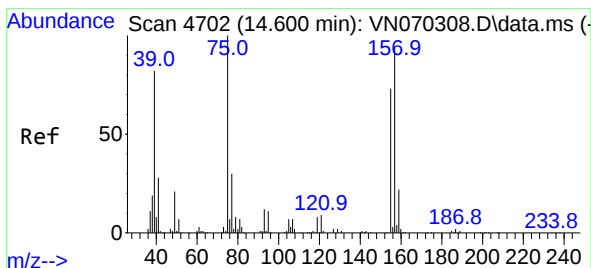
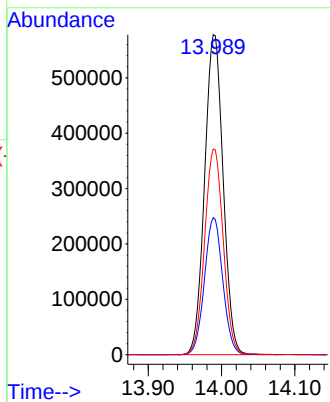
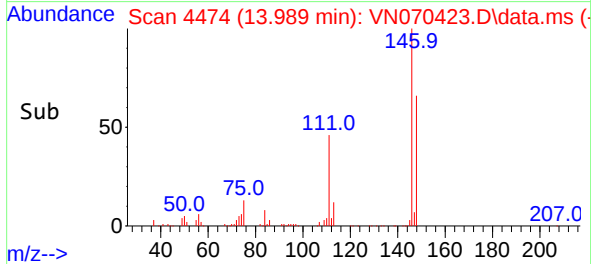


#91
1,2-Dichlorobenzene
Concen: 45.611 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

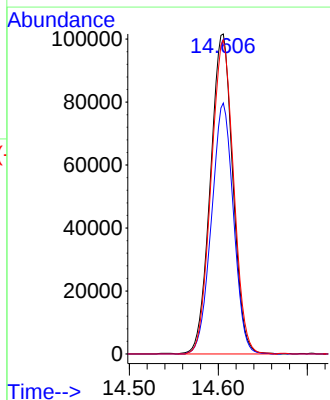
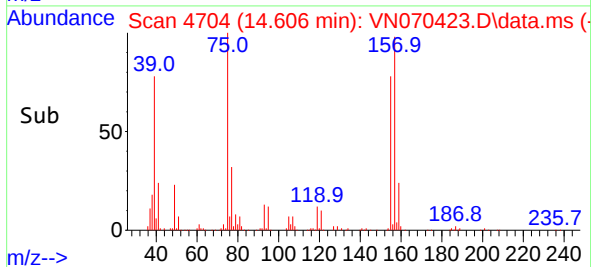
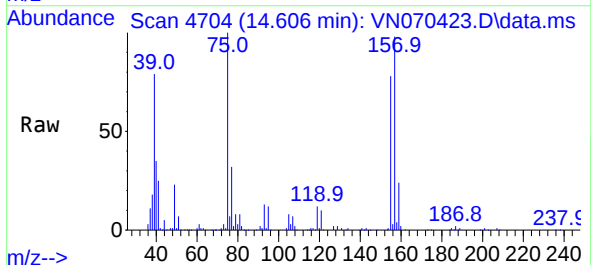


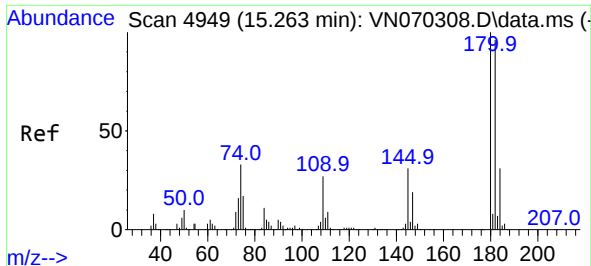
Tgt Ion:146 Resp: 1014632
Ion Ratio Lower Upper
146 100
111 42.3 19.1 57.3
148 64.6 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.007 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.006 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion: 75 Resp: 177876
Ion Ratio Lower Upper
75 100
155 76.9 46.9 140.7
157 98.6 60.6 181.7

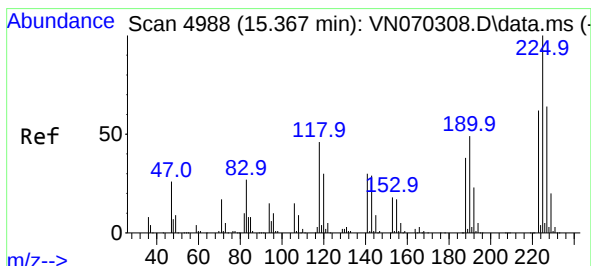
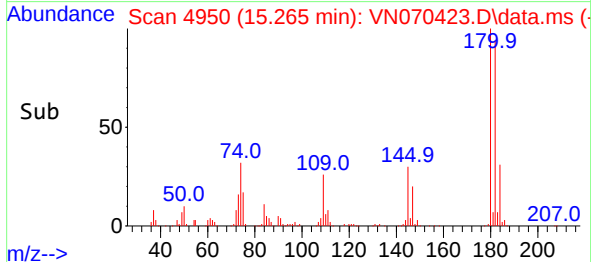
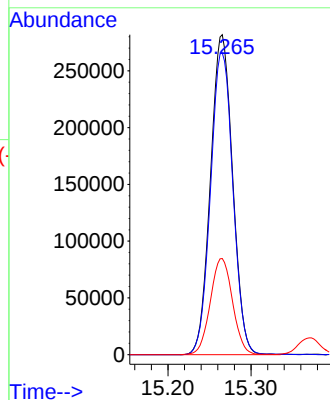
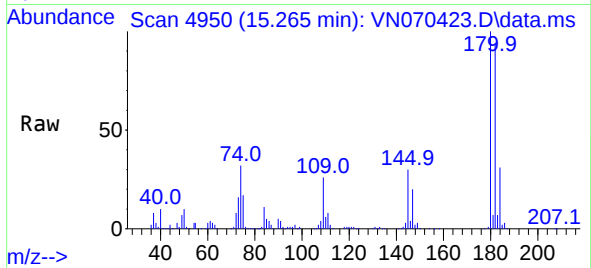




#93
1,2,4-Trichlorobenzene
Concen: 49.755 ug/l
RT: 15.265 min Scan# 4949
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

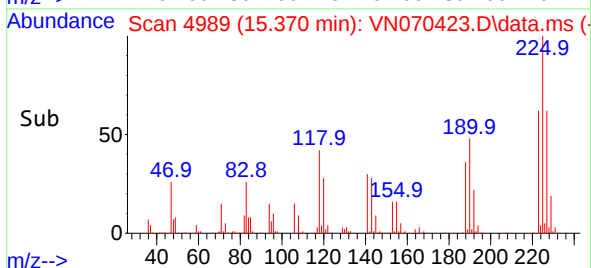
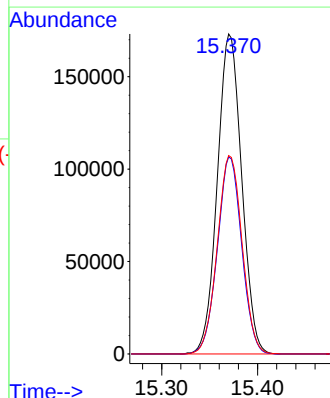
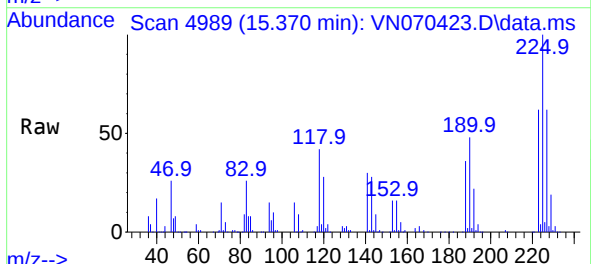
Instrument : MSVOA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EASTMEMS

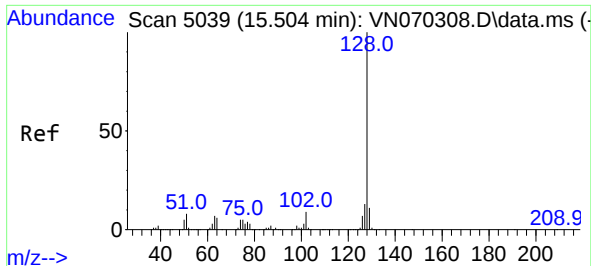
Tgt Ion:180 Resp: 521507
Ion Ratio Lower Upper
180 100
182 95.5 48.3 144.9
145 30.3 14.5 43.5



#94
Hexachlorobutadiene
Concen: 50.133 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:225 Resp: 305397
Ion Ratio Lower Upper
225 100
223 61.3 31.9 95.7
227 63.2 32.1 96.3



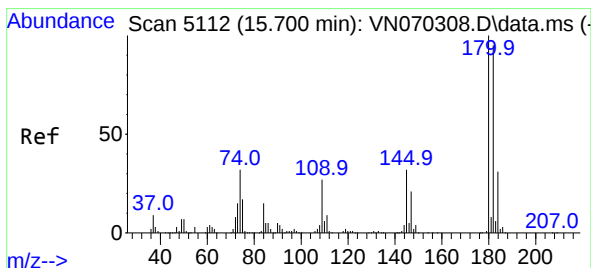
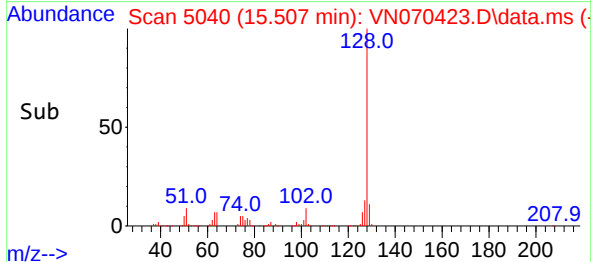
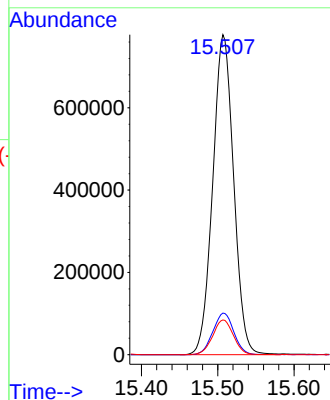
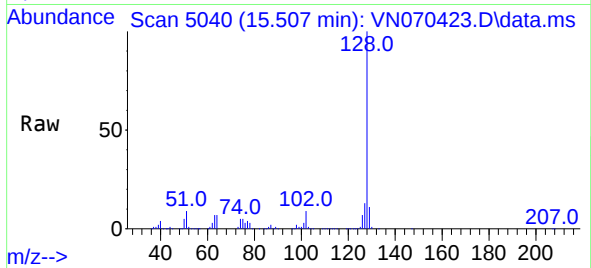


#95
Naphthalene
Concen: 51.074 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Instrument :
MSVOA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMEMS

Tgt Ion:128 Resp: 1480662

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.174 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070423.D
Acq: 31 Dec 2021 3:04

Tgt Ion:180 Resp: 523458

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	32.2	15.0	45.1

