

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010738.D
 Acq On : 29 Sep 2022 17:53
 Operator : KP/MD
 Sample : N4896-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRUSHED-MASONRY-PILE-9

Quant Time: Sep 30 08:24:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

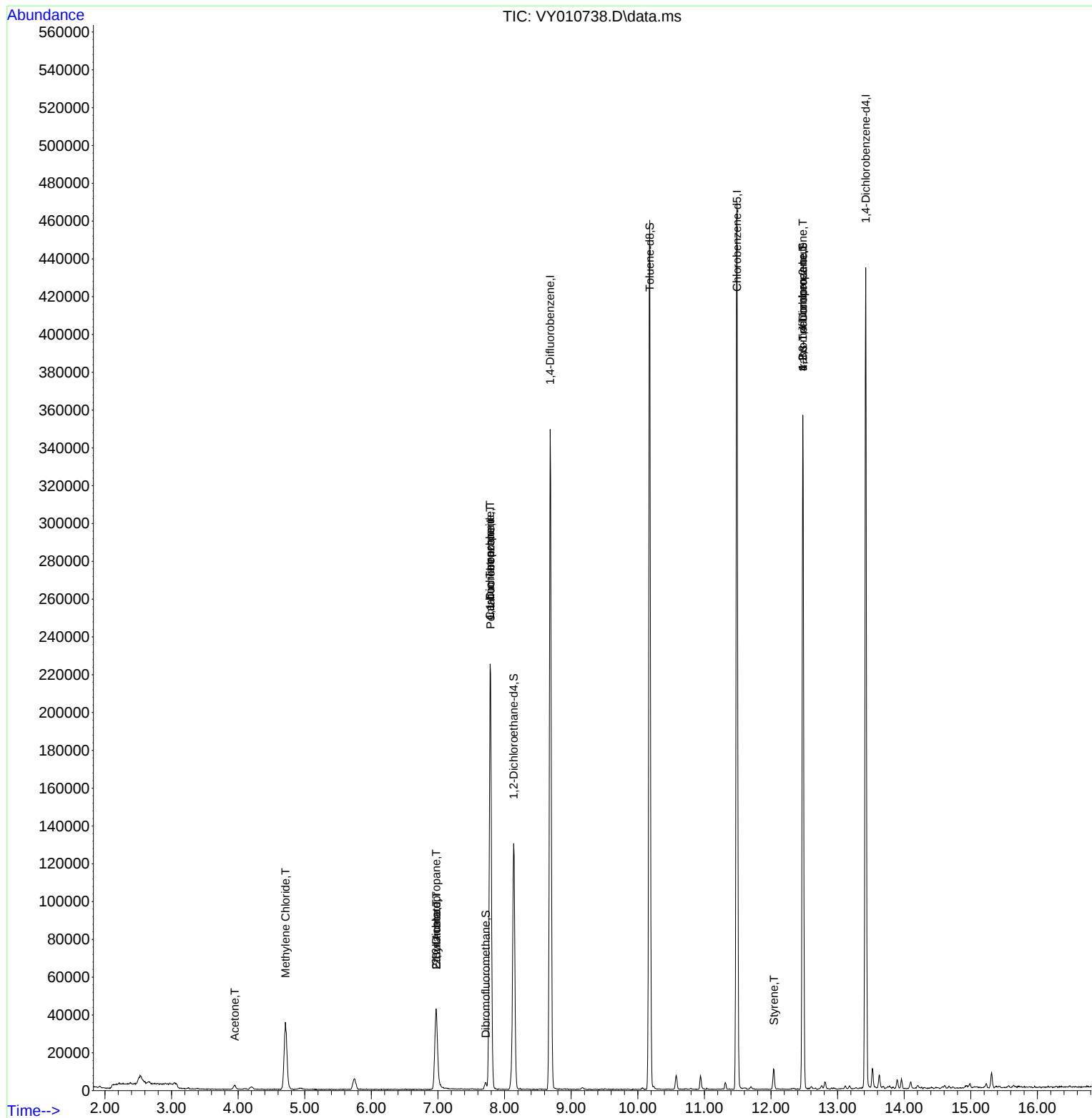
Internal Standards						
1) Pentafluorobenzene	7.789	168	176732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	294296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	259332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	99416	58.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.620%
35) Dibromofluoromethane	7.716	113	2659	1.416	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	2.840%#
50) Toluene-d8	10.179	98	299232	43.539	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.080%
62) 4-Bromofluorobenzene	12.477	95	106490	40.842	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.680%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	62	Below Cal	#	43
3) Chloromethane	2.113	50	347	Below Cal	#	82
4) Vinyl Chloride	2.253	62	100	Below Cal	#	43
5) Bromomethane	2.662	94	324	Below Cal	#	66
11) Tert butyl alcohol	4.936	59	1332	Below Cal	#	87
16) Acetone	3.948	43	3531	10.243	ug/l	91
17) Carbon Disulfide	4.174	76	159	Below Cal	#	75
18) Methyl Acetate	4.198	43	558	Below Cal	#	56
20) Methylene Chloride	4.710	84	26580	3.443	ug/l	# 81
25) 2-Butanone	6.978	43	3027	5.614	ug/l	97
26) 2,2-Dichloropropane	6.972	77	3181	1.241	ug/l	# 55
31) Cyclohexane	7.789	56	3672	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13363	6.385	ug/l	# 50
37) Ethyl Acetate	6.978	43	3027	2.504	ug/l	# 4
38) Carbon Tetrachloride	7.783	117	17234	7.162	ug/l	# 15
70) Styrene	12.044	104	5359	1.061	ug/l	# 85
76) 1,2,3-Trichloropropane	12.477	75	54130	51.855	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	54130	115.295	ug/l	# 7

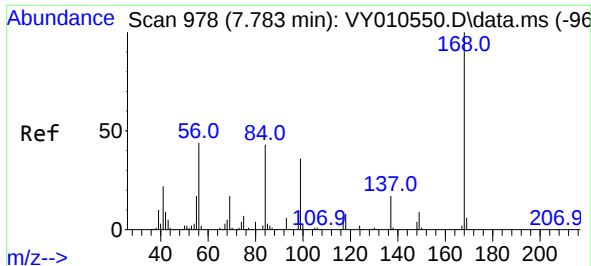
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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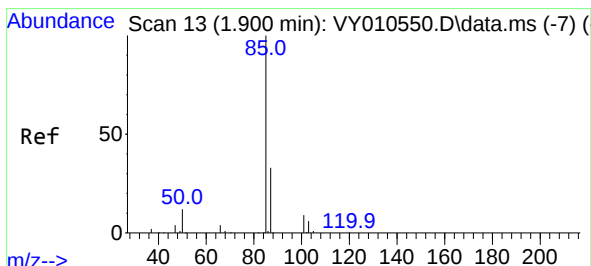
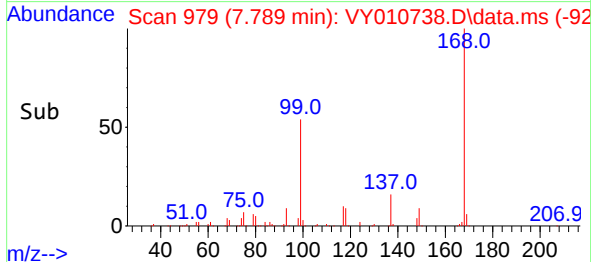
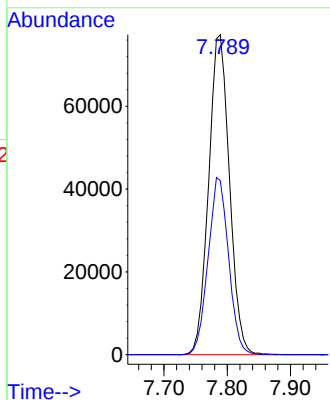
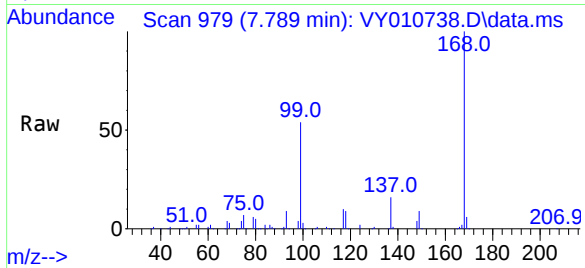




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

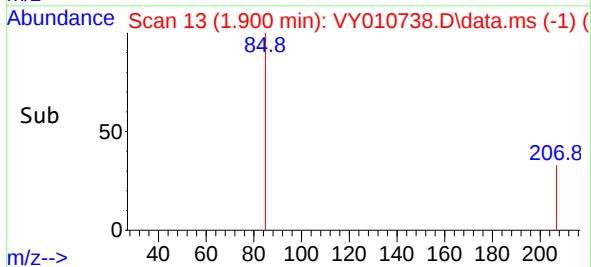
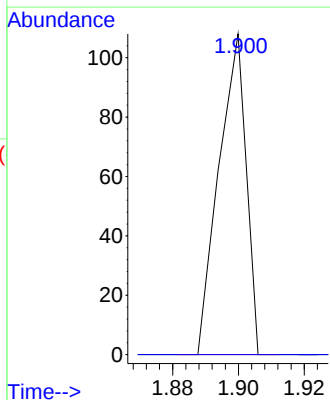
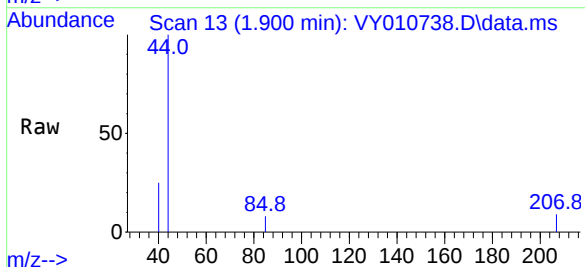
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

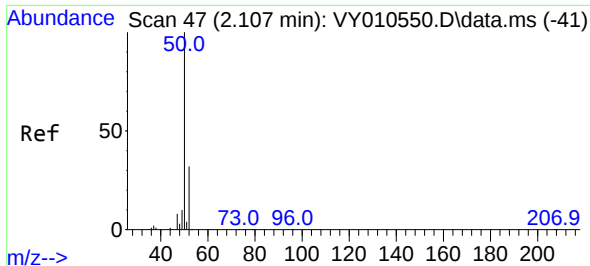
Tgt Ion:168 Resp: 176732
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 85 Resp: 62
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

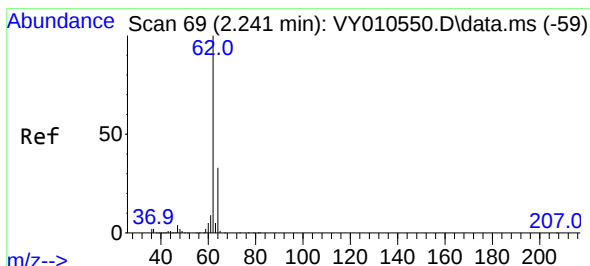
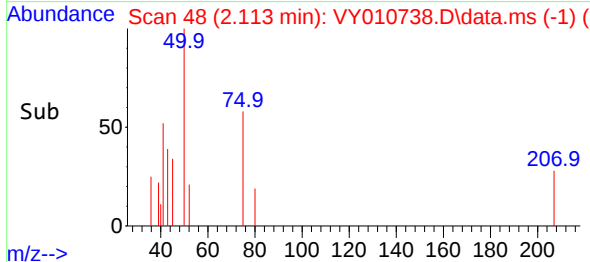
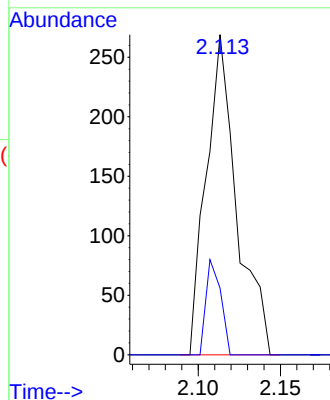
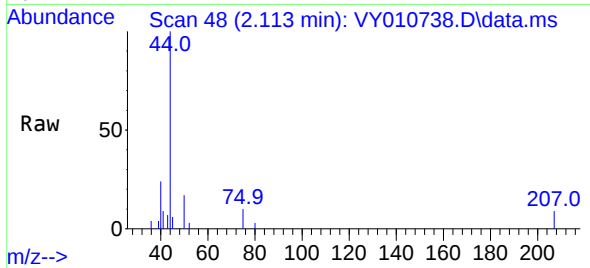




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

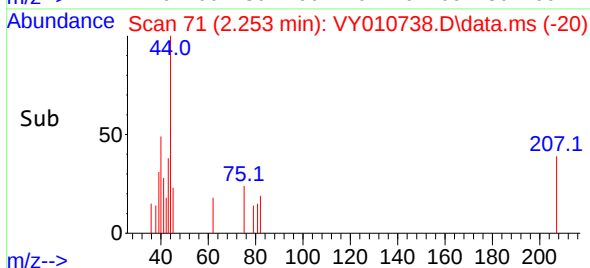
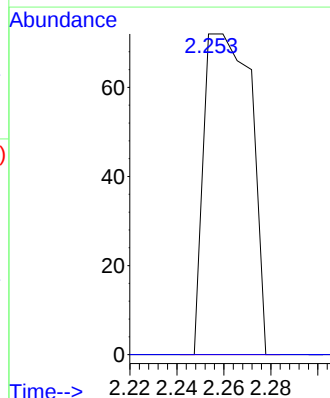
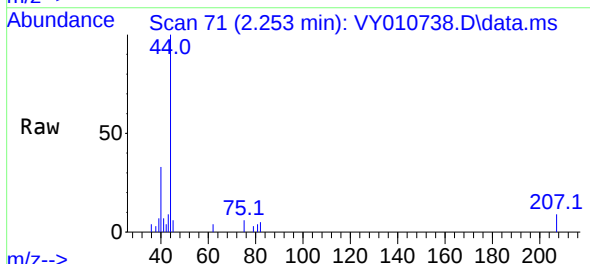
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

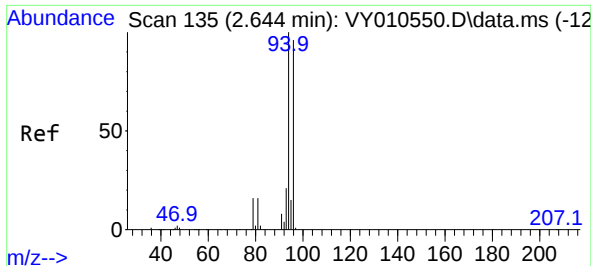
Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 20.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 62 Resp: 100
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

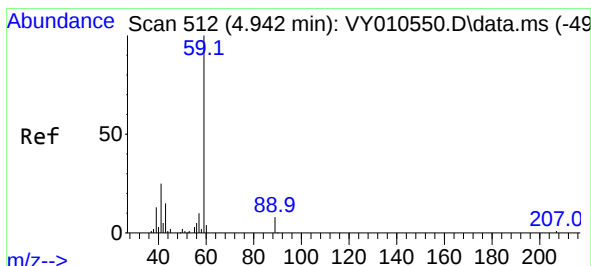
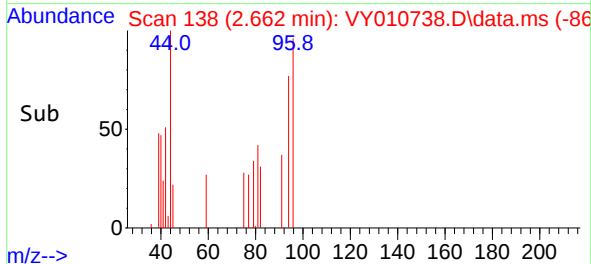
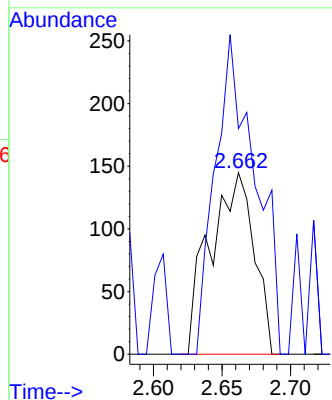
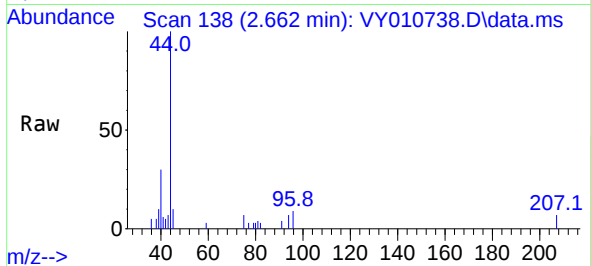




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

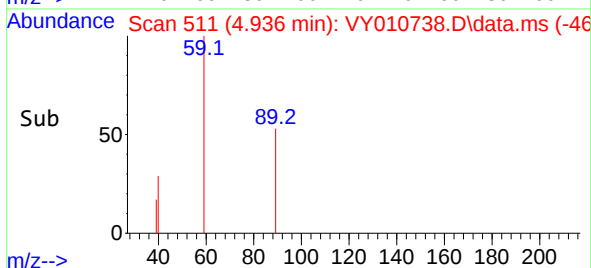
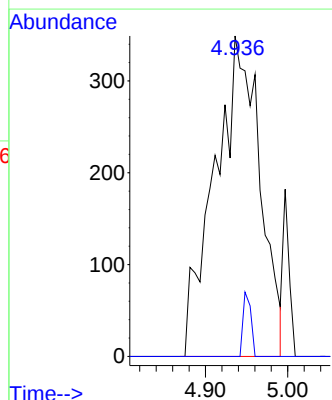
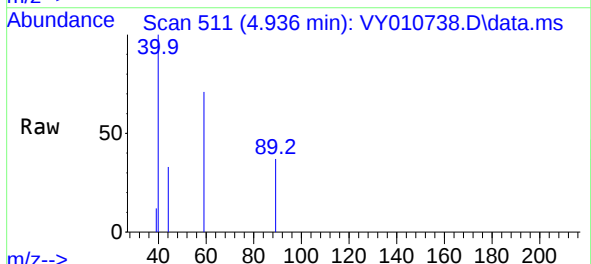
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

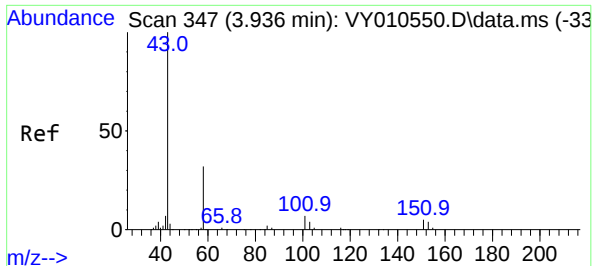
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 124.1 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 59 Resp: 1332
Ion Ratio Lower Upper
59 100
57 3.5 6.4 9.6#

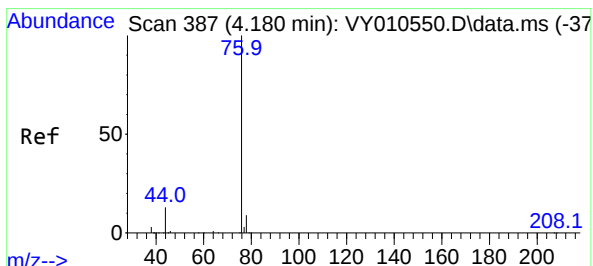
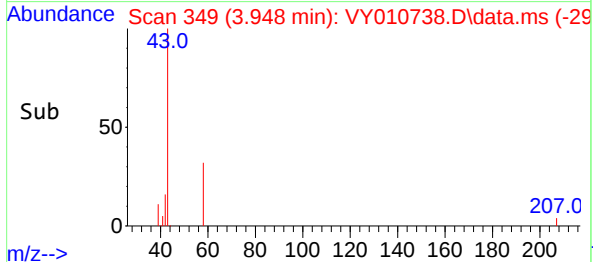
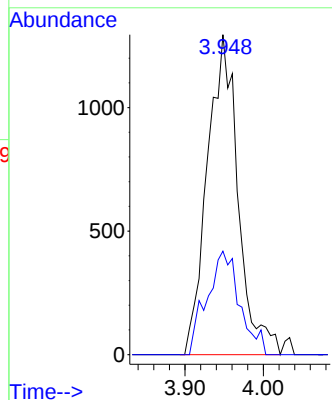
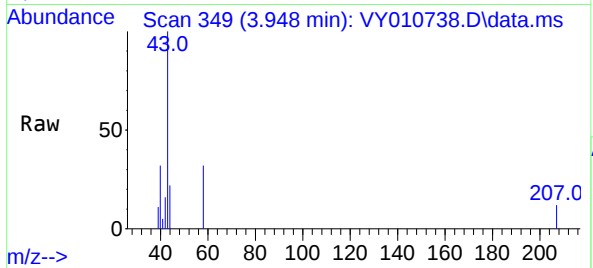




#16
Acetone
Concen: 10.243 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

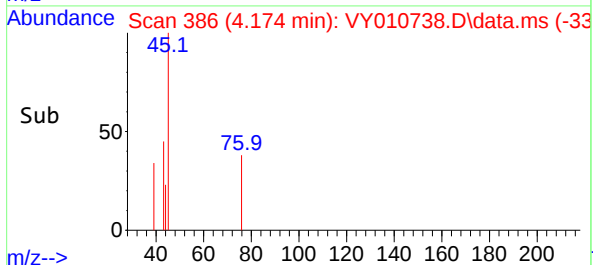
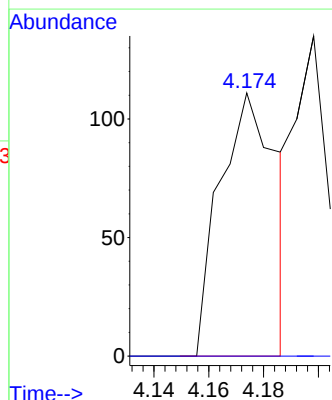
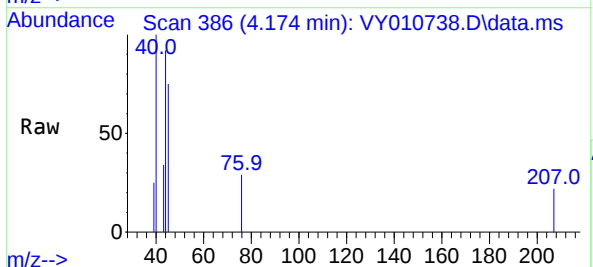
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

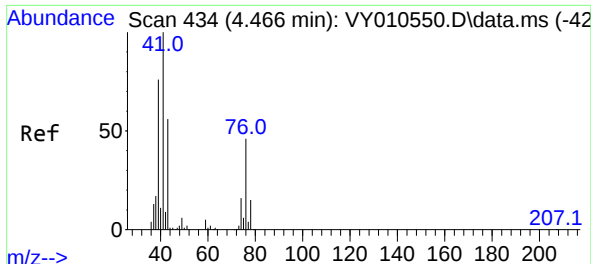
Tgt Ion: 43 Resp: 3531
Ion Ratio Lower Upper
43 100
58 32.4 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.174 min Scan# 386
Delta R.T. -0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 76 Resp: 159
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

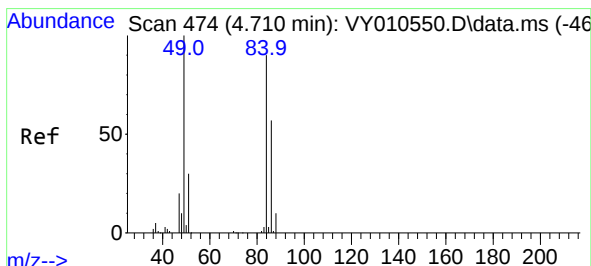
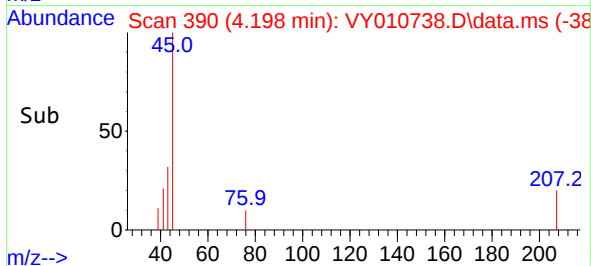
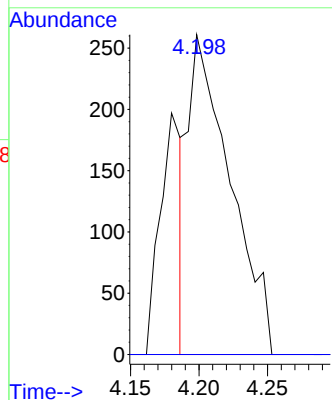
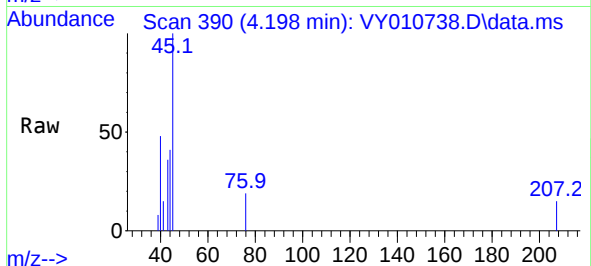




#18
Methyl Acetate
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.268 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

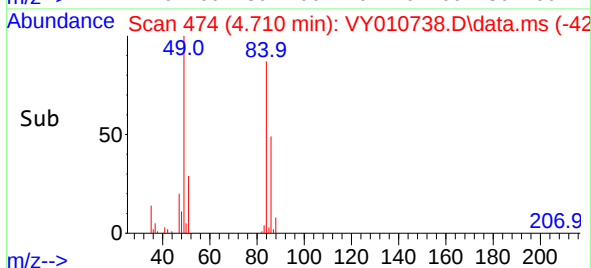
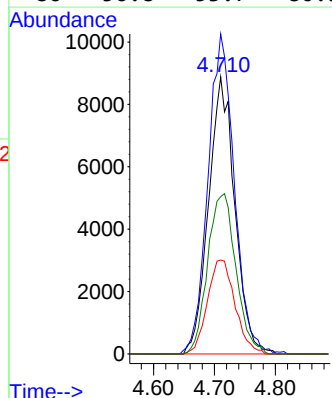
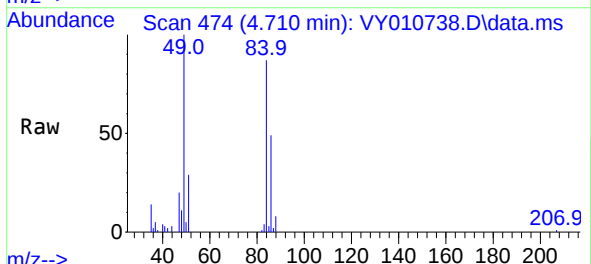
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

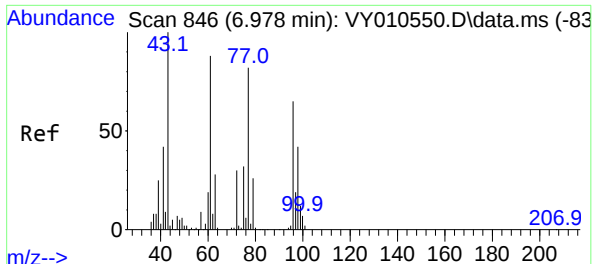
Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.443 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 84 Resp: 26580
Ion Ratio Lower Upper
84 100
49 115.5 114.4 171.6
51 33.9 35.3 52.9#
86 56.8 53.7 80.5





#25

2-Butanone

Concen: 5.614 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010738.D

Acq: 29 Sep 2022 17:53

Instrument :

MSVOA_Y

ClientSampleId :

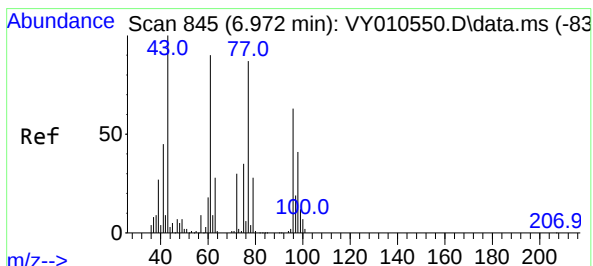
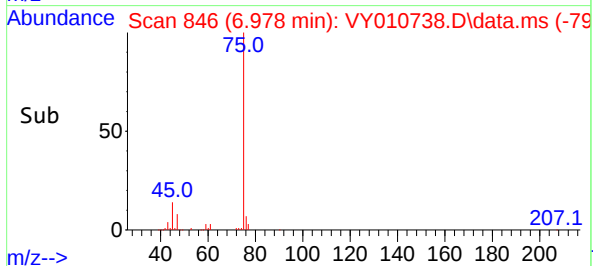
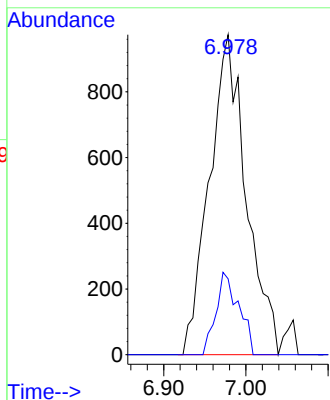
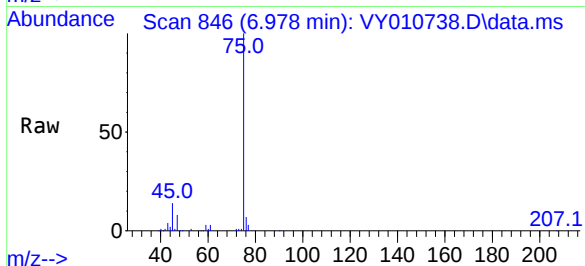
CRUSHED-MASONRY-PILE-9

Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

43 100

72 23.7 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.241 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010738.D

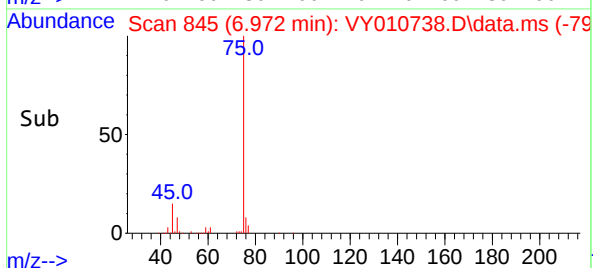
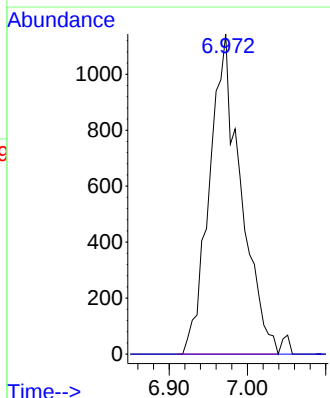
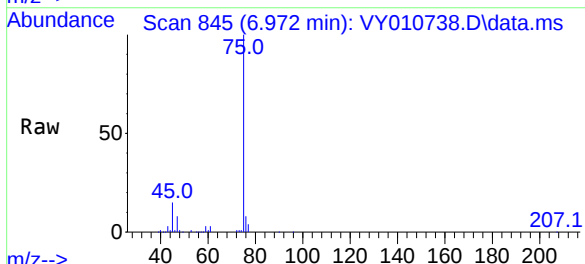
Acq: 29 Sep 2022 17:53

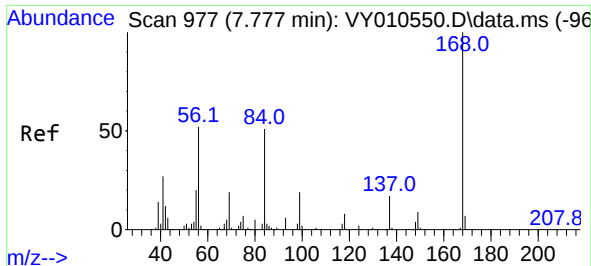
Tgt Ion: 77 Resp: 3181

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

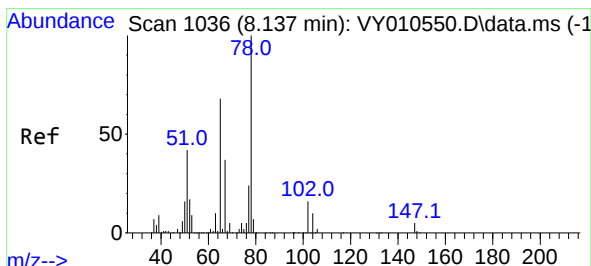
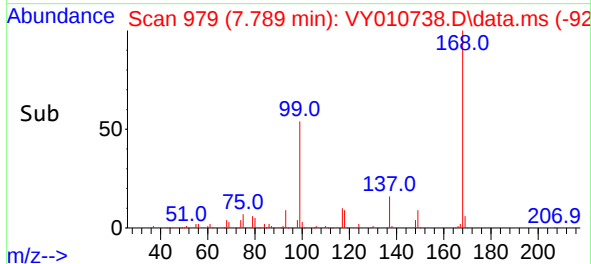
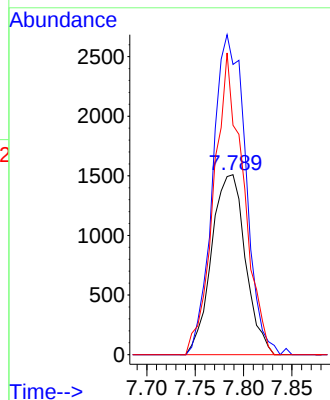
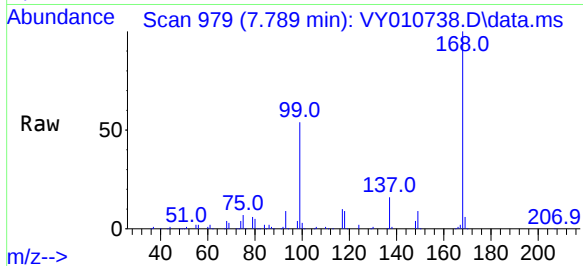




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

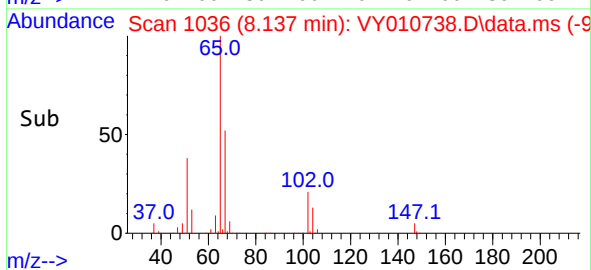
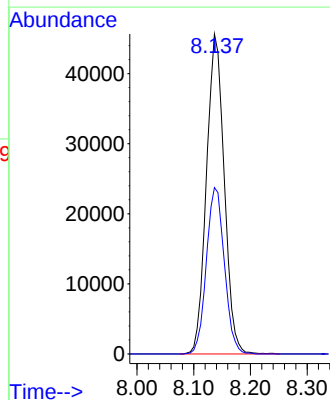
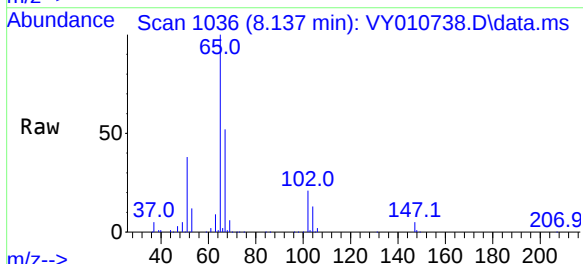
Instrument :
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CRUSHED-MASONRY-PILE-9

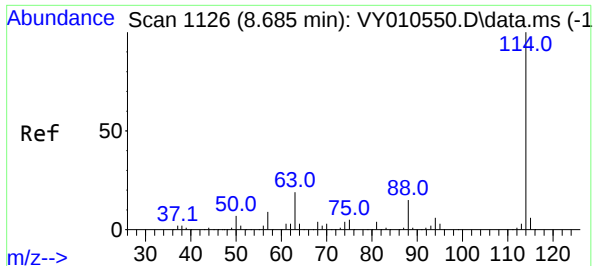
Tgt Ion: 56 Resp: 3672
Ion Ratio Lower Upper
56 100
69 161.3 26.7 40.1#
84 136.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.812 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 65 Resp: 99416
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010738.D

Acq: 29 Sep 2022 17:53

Instrument :

MSVOA_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-9

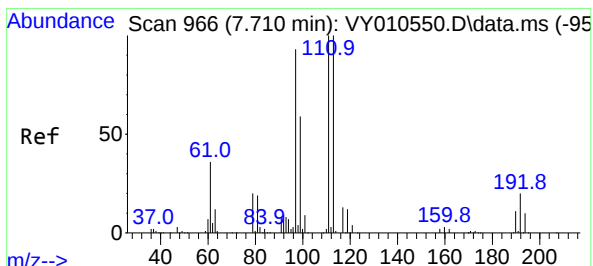
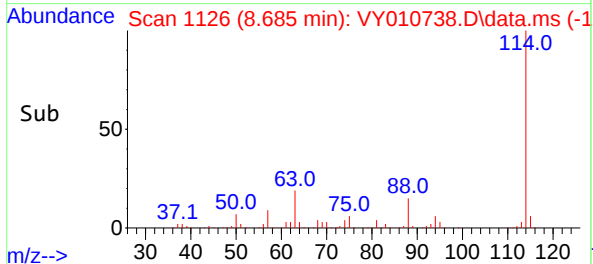
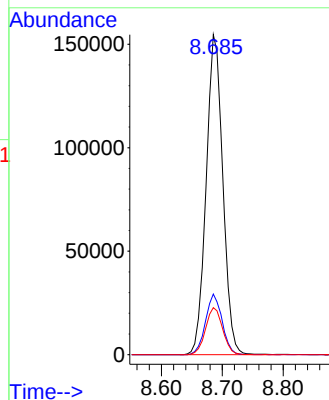
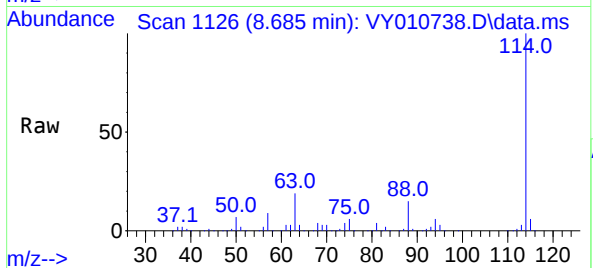
Tgt Ion:114 Resp: 294296

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 1.416 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010738.D

Acq: 29 Sep 2022 17:53

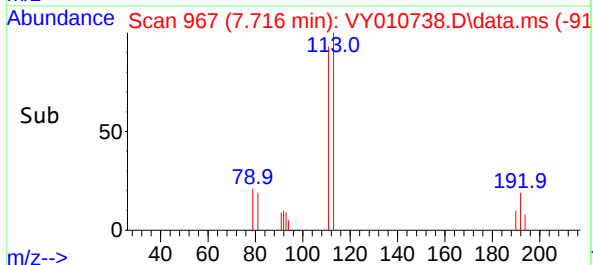
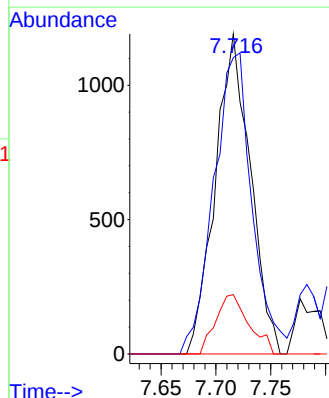
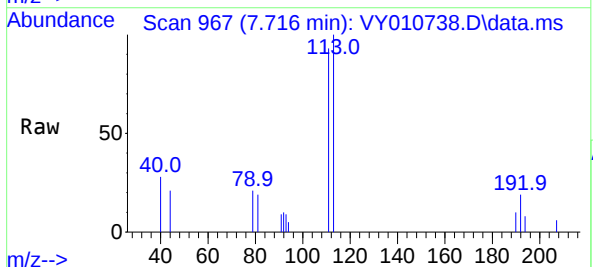
Tgt Ion:113 Resp: 2659

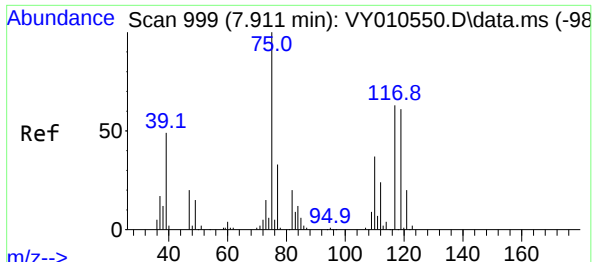
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 17.5 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 6.385 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010738.D

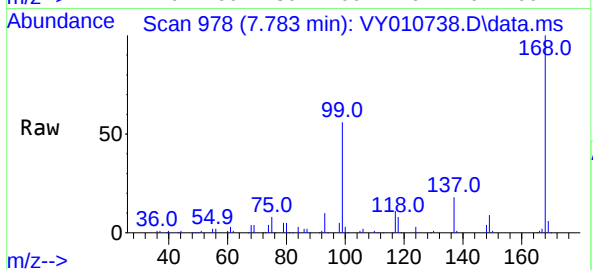
Acq: 29 Sep 2022 17:53

Instrument :

MSVOA_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-9



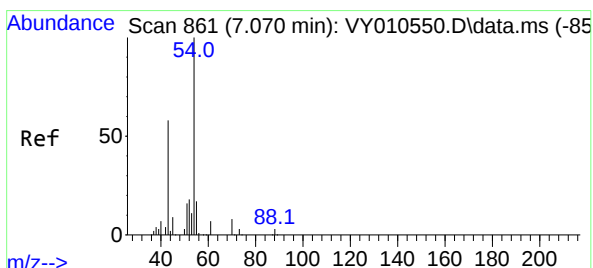
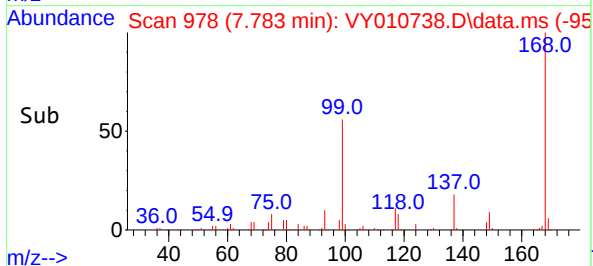
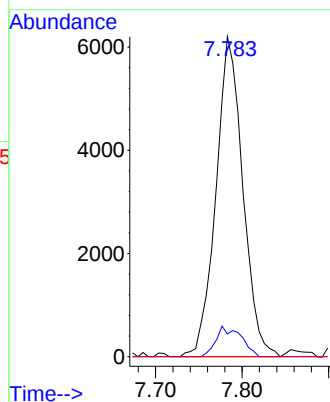
Tgt Ion: 75 Resp: 13363

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.504 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY010738.D

Acq: 29 Sep 2022 17:53

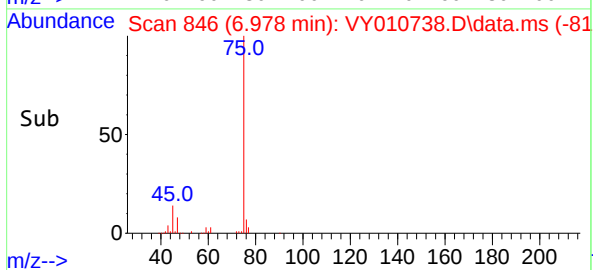
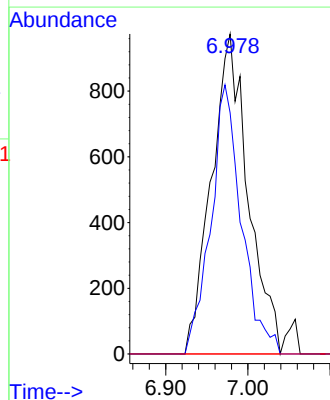
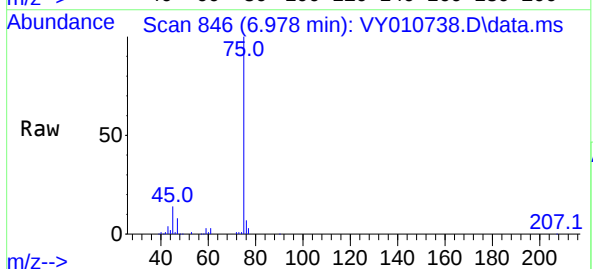
Tgt Ion: 43 Resp: 3027

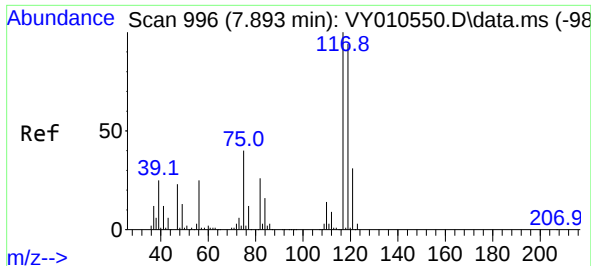
Ion Ratio Lower Upper

43 100

61 70.0 9.7 14.5#

70 0.0 7.1 10.7#

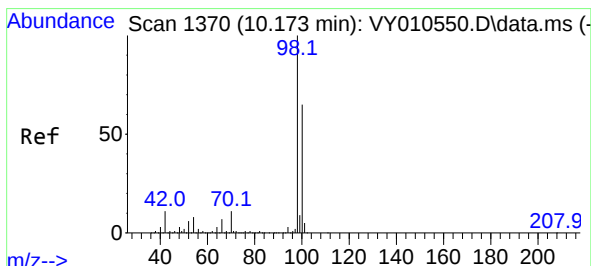
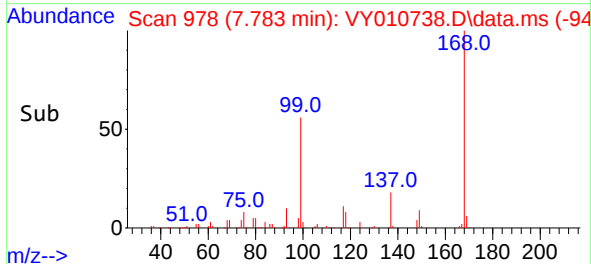
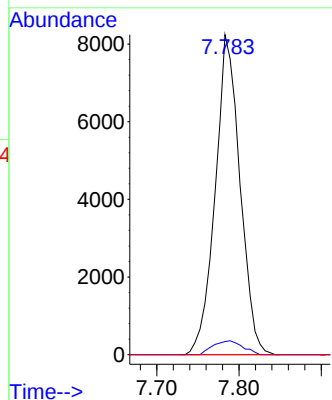
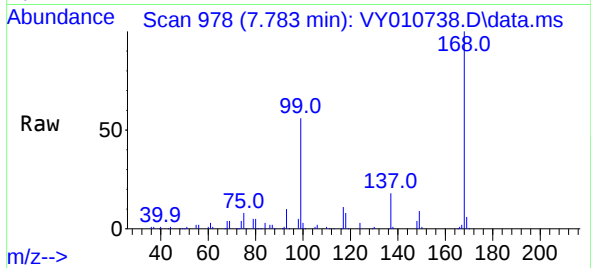




#38
Carbon Tetrachloride
Concen: 7.162 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

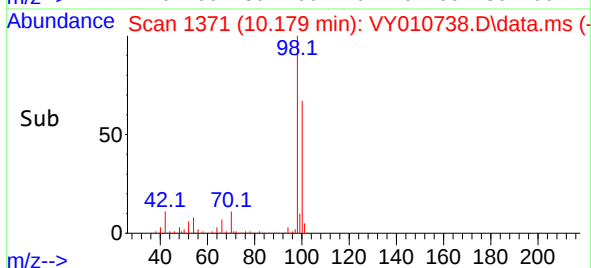
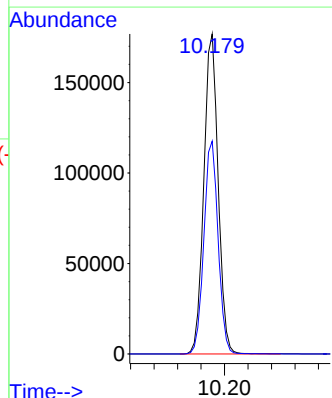
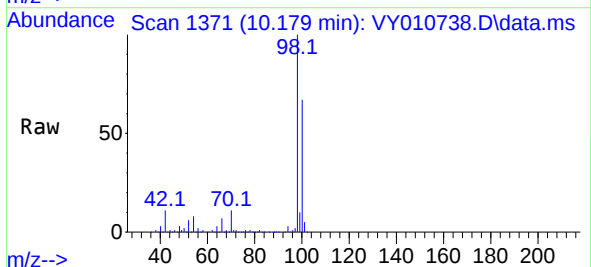
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

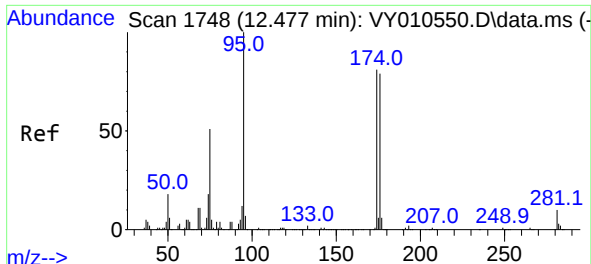
Tgt Ion:117 Resp: 17234
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.539 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 98 Resp: 299232
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2

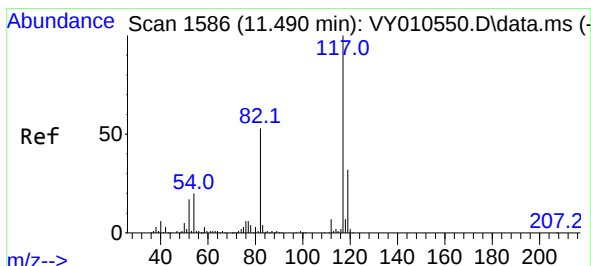
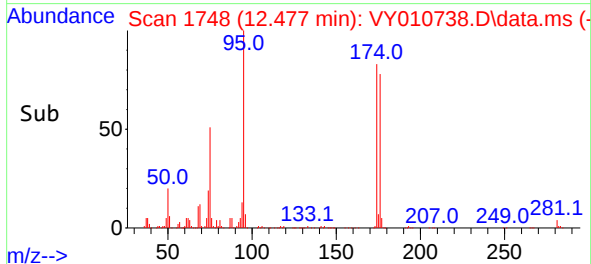
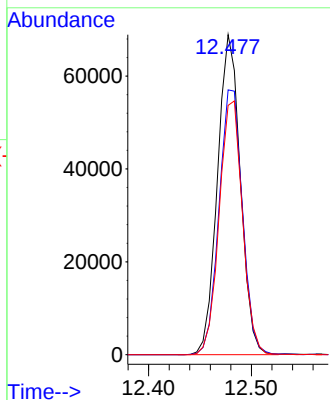
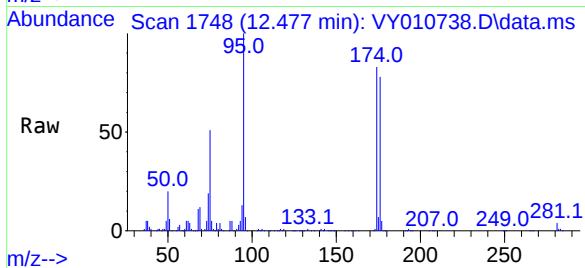




#62
4-Bromofluorobenzene
Concen: 40.842 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

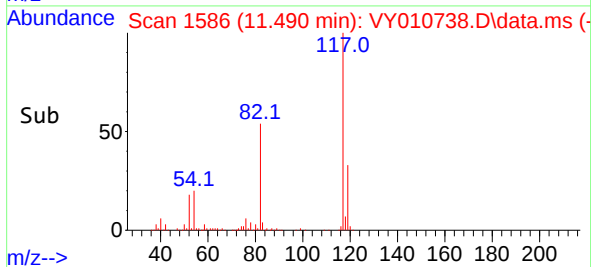
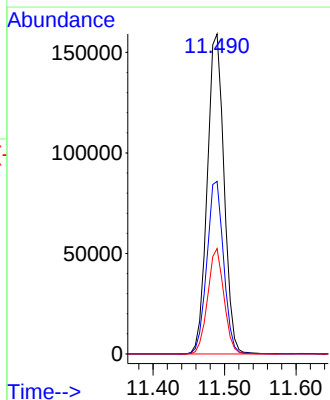
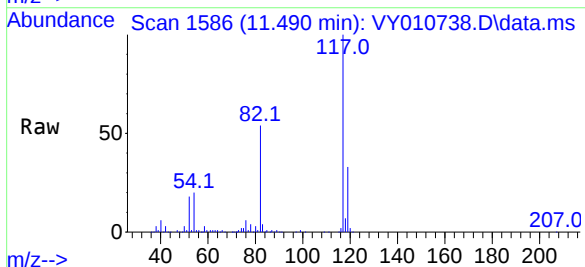
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

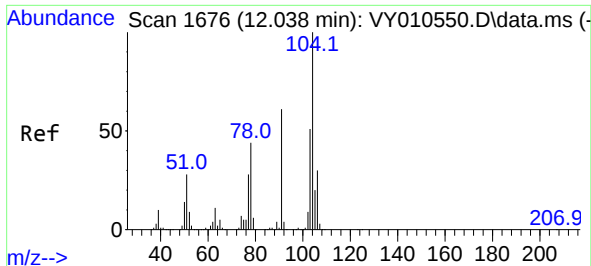
Tgt Ion: 95 Resp: 106490
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 80.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 117 Resp: 259332
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 33.0 25.4 38.0

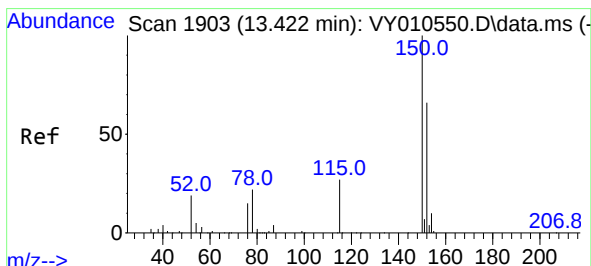
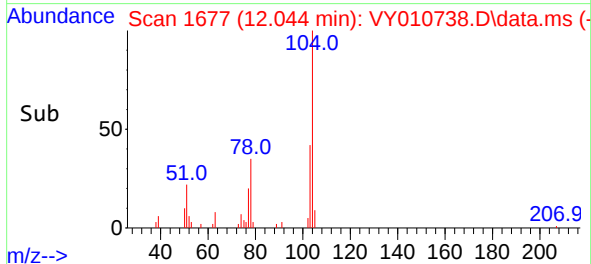
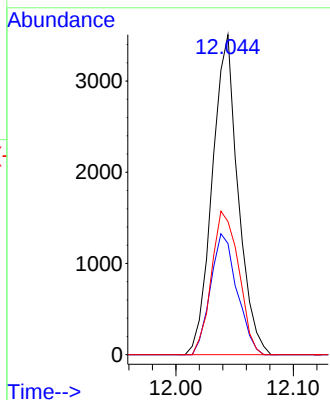
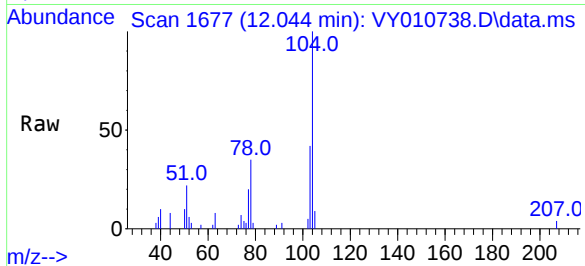




#70
Styrene
Concen: 1.061 ug/l
RT: 12.044 min Scan# 104
Delta R.T. 0.006 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

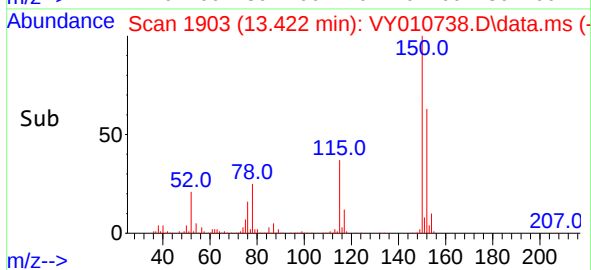
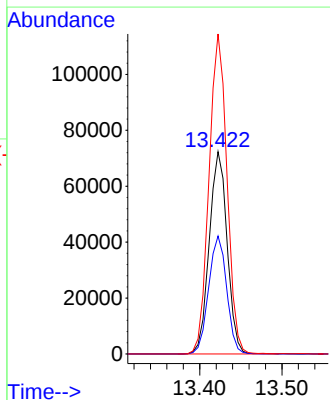
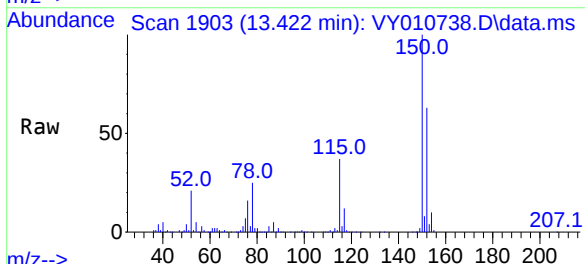
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

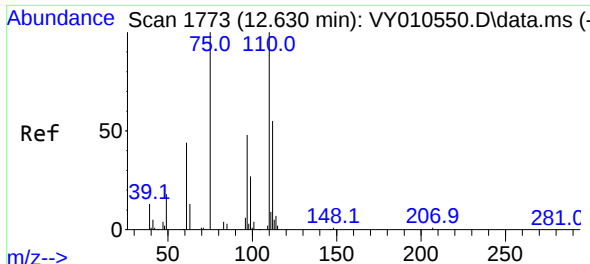
Tgt Ion:104 Resp: 5359
Ion Ratio Lower Upper
104 100
78 38.9 42.4 63.6#
103 47.4 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion:152 Resp: 109372
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 158.9 0.0 347.6

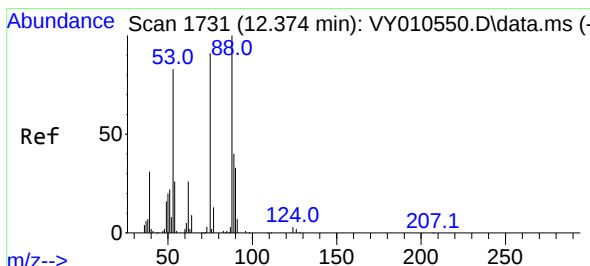
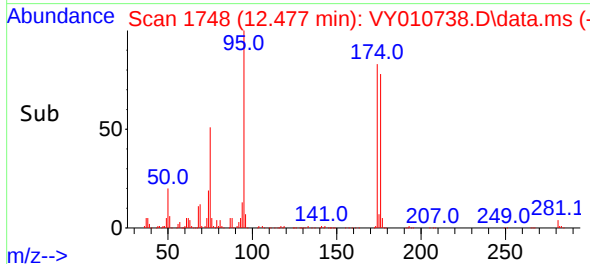
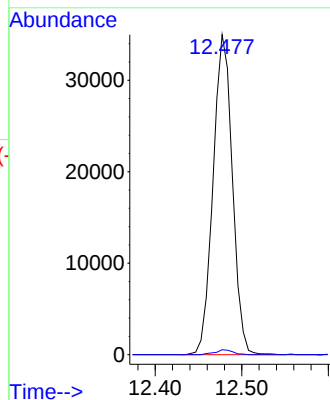
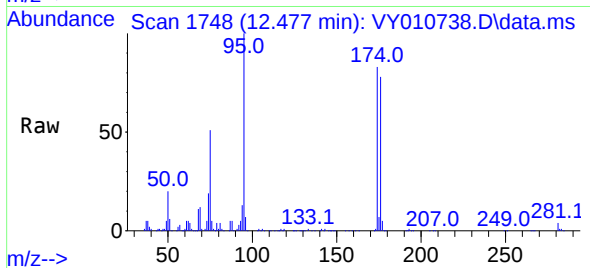




#76
1,2,3-Trichloropropane
Concen: 51.855 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED-MASONRY-PILE-9

Tgt Ion: 75 Resp: 54130
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.295 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010738.D
Acq: 29 Sep 2022 17:53

Tgt Ion: 75 Resp: 54130
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

