

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012448.D
 Acq On : 01 Feb 2023 17:36
 Operator : KP/MD
 Sample : 01390-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCKPILE-2

Quant Time: Feb 01 23:07:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

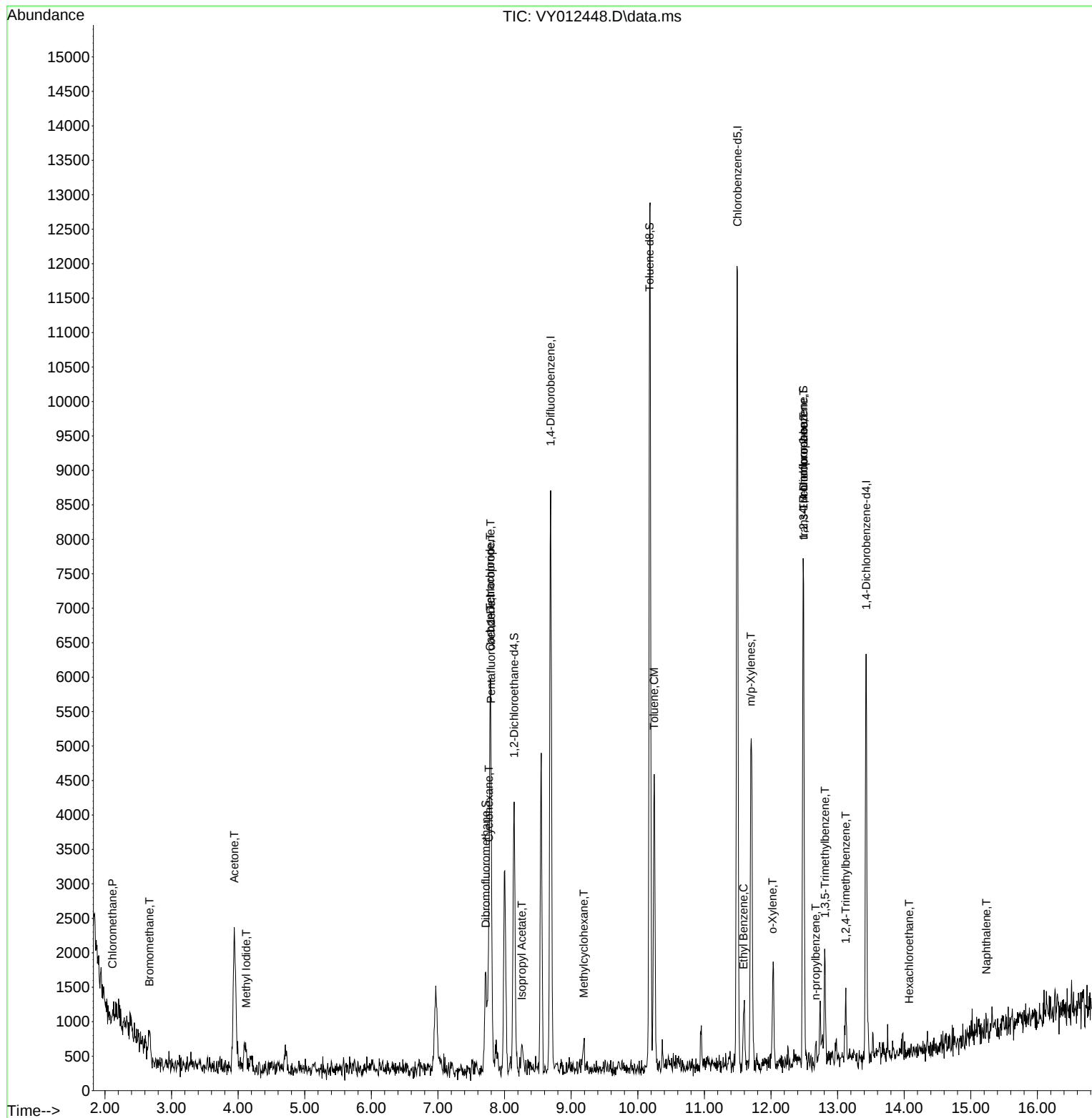
Internal Standards						
1) Pentafluorobenzene	7.795	168	4644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	8273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3231	86.833	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 173.660%#		
35) Dibromofluoromethane	7.716	113	1258	28.718	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 57.440%		
50) Toluene-d8	10.179	98	9098	60.886	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 121.780%		
62) 4-Bromofluorobenzene	12.483	95	2363	38.266	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 76.540%		
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	108	2.883	ug/l	# 41
5) Bromomethane	2.668	94	148	4.377	ug/l	87
10) Methyl Iodide	4.119	142	567	8.982	ug/l	# 72
16) Acetone	3.942	43	3704	286.433	ug/l	99
20) Methylene Chloride	4.698	84	273	Below Cal	#	36
31) Cyclohexane	7.765	56	351	5.184	ug/l	# 45
36) 1,1-Dichloropropene	7.789	75	331	4.446	ug/l	# 41
38) Carbon Tetrachloride	7.783	117	448	4.659	ug/l	# 14
39) Methylcyclohexane	9.191	83	295	3.242	ug/l	# 71
43) Isopropyl Acetate	8.258	43	139	2.276	ug/l	# 51
52) Toluene	10.246	92	2166	15.139	ug/l	99
67) Ethyl Benzene	11.587	91	1099	4.166	ug/l	96
68) m/p-Xylenes	11.697	106	1584	15.185	ug/l	97
69) o-Xylene	12.026	106	642	6.443	ug/l	84
76) 1,2,3-Trichloropropane	12.489	75	1329	83.015	ug/l	# 100
78) n-propylbenzene	12.672	91	408	2.777	ug/l	# 52
80) 1,3,5-Trimethylbenzene	12.813	105	338	3.097	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.489	75	1329	171.048	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.123	105	926	8.604	ug/l	91
90) Hexachloroethane	14.075	117	23	1.077	ug/l	# 9
95) Naphthalene	15.233	128	88	1.298	ug/l	# 69

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

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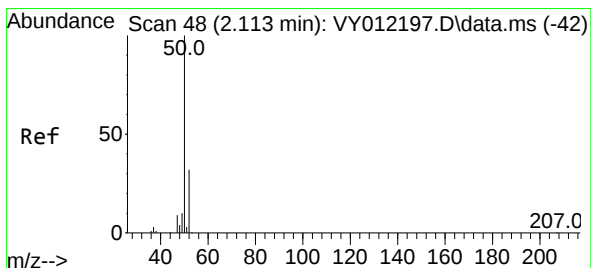
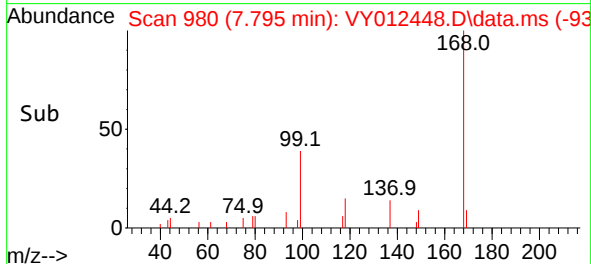
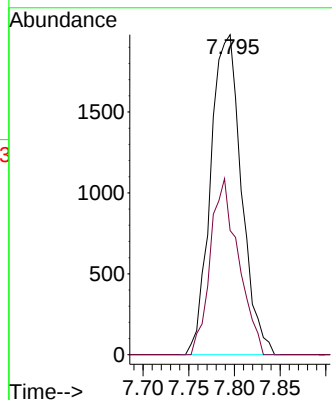
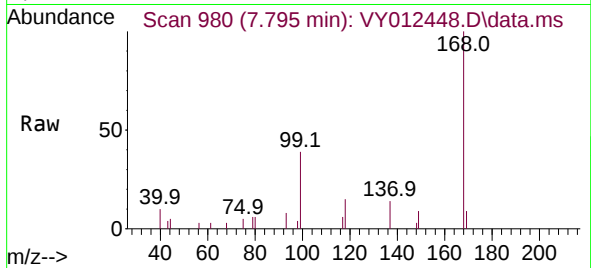




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

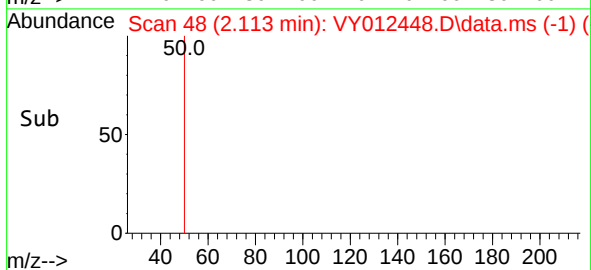
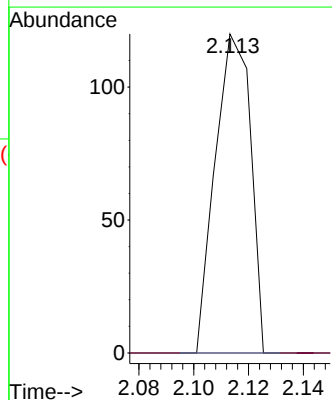
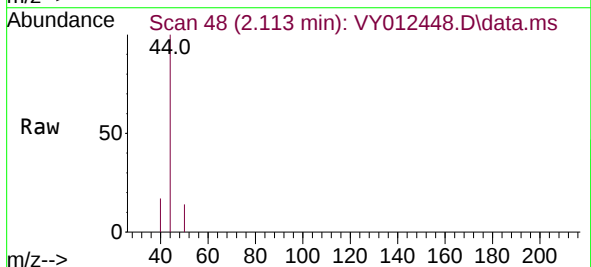
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

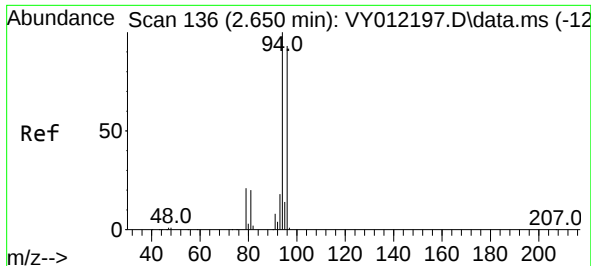
Tgt Ion:168 Resp: 4644
Ion Ratio Lower Upper
168 100
99 38.8 44.0 66.0#



#3
Chloromethane
Concen: 2.883 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 50 Resp: 108
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

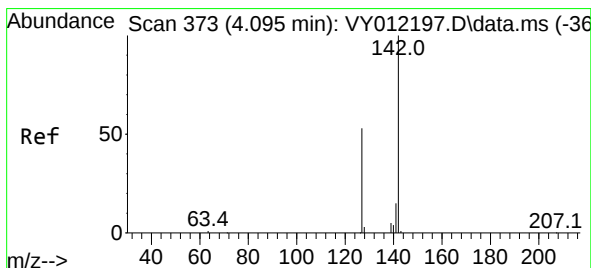
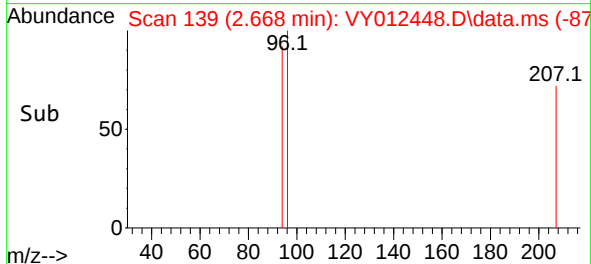
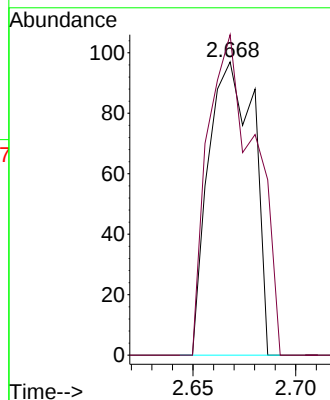
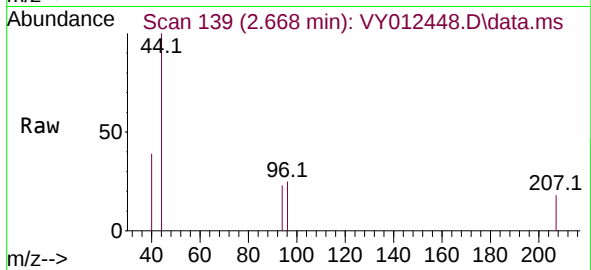




#5
Bromomethane
Concen: 4.377 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

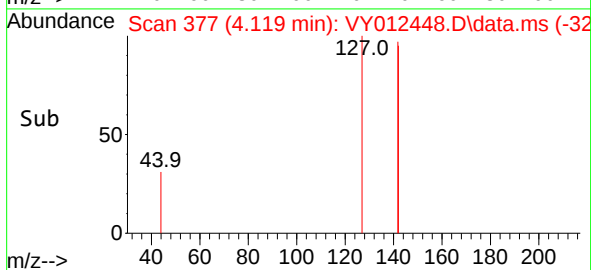
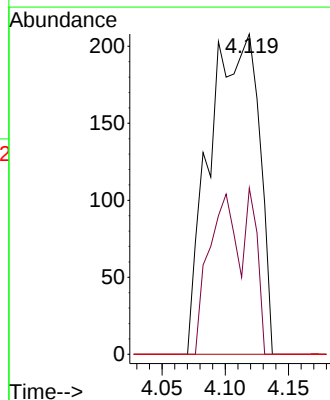
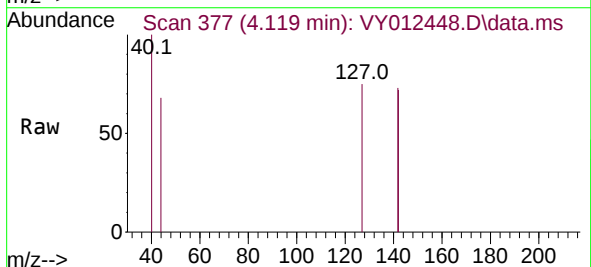
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

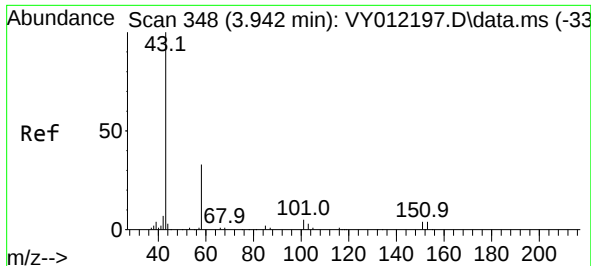
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 109.3 77.4 116.2



#10
Methyl Iodide
Concen: 8.982 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.024 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion:142 Resp: 567
Ion Ratio Lower Upper
142 100
127 29.1 37.0 55.4#
141 0.0 11.4 17.0#

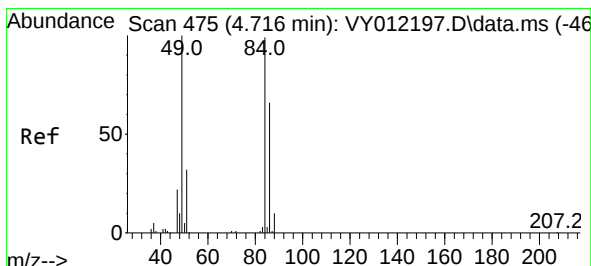
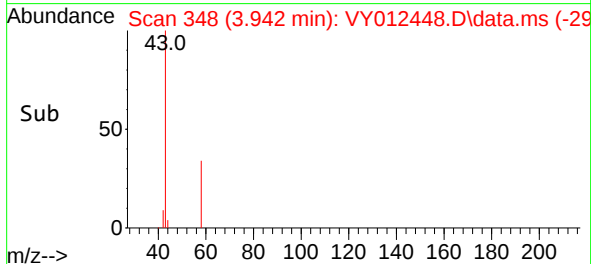
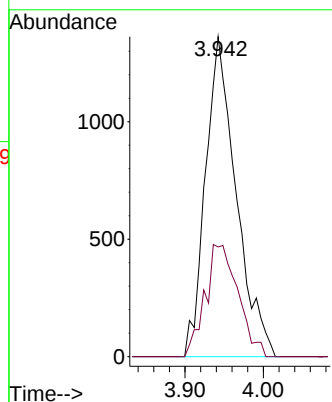
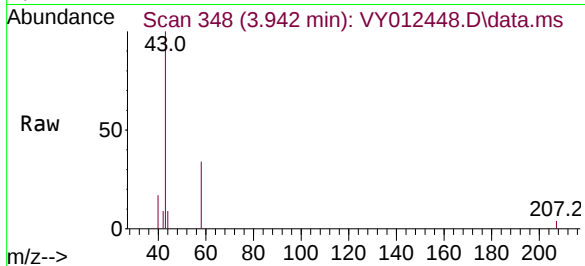




#16
Acetone
Concen: 286.433 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

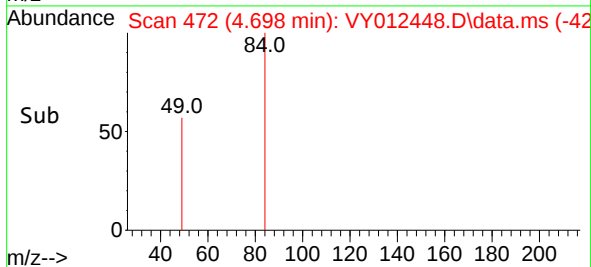
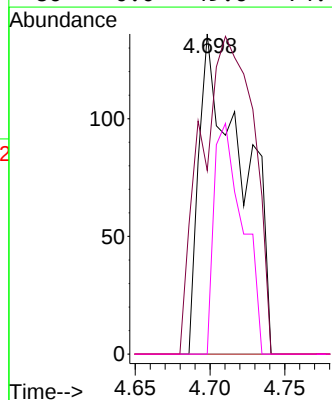
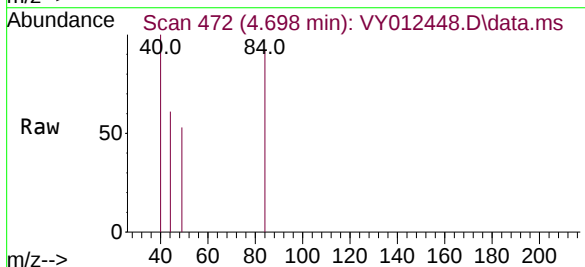
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

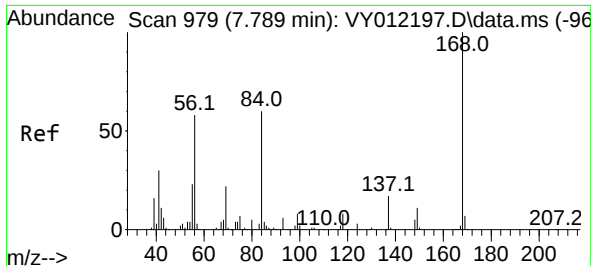
Tgt Ion: 43 Resp: 3704
Ion Ratio Lower Upper
43 100
58 34.3 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 84 Resp: 273
Ion Ratio Lower Upper
84 100
49 57.4 95.4 143.2#
51 0.0 29.9 44.9#
86 0.0 49.6 74.4#

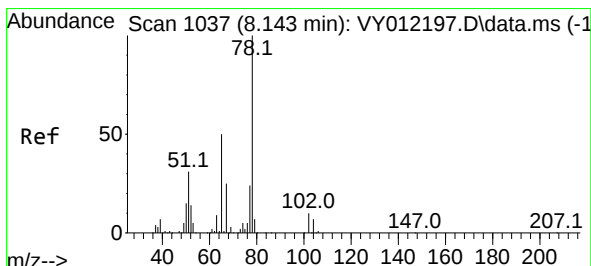
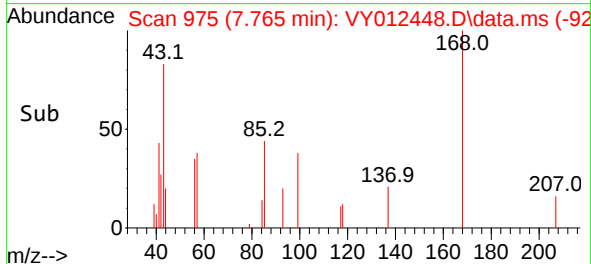
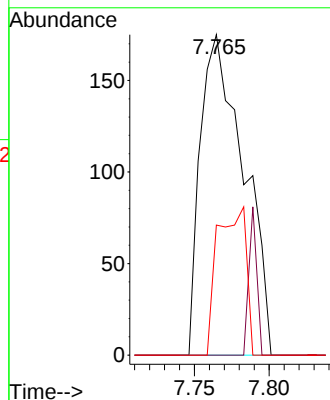
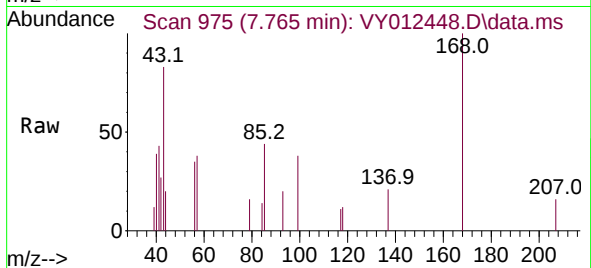




#31
Cyclohexane
Concen: 5.184 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

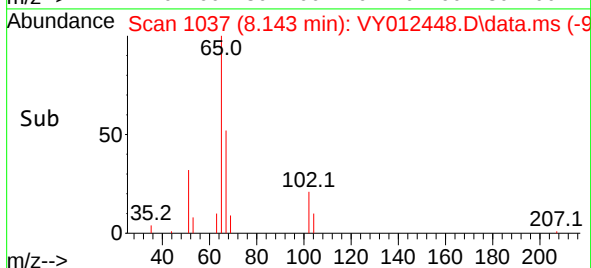
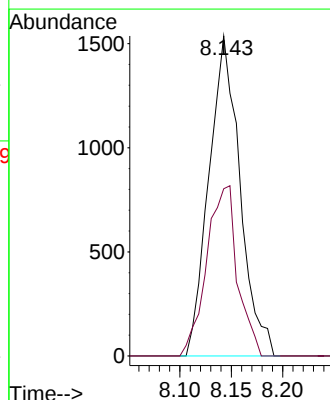
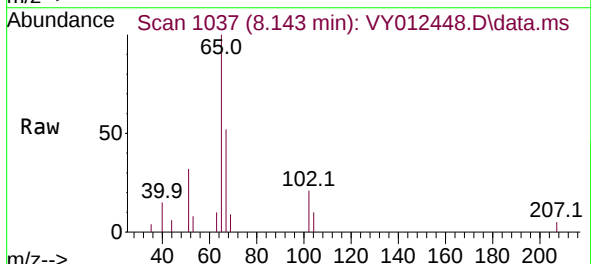
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

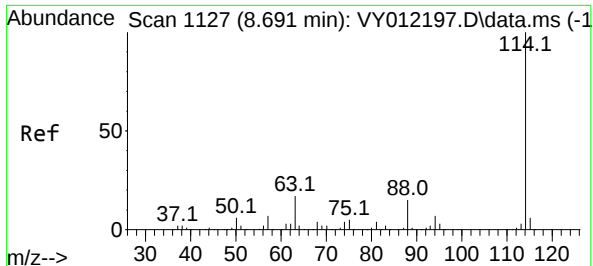
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
69 0.0 29.2 43.8#
84 40.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 86.833 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 65 Resp: 3231
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

STOCKPILE-2

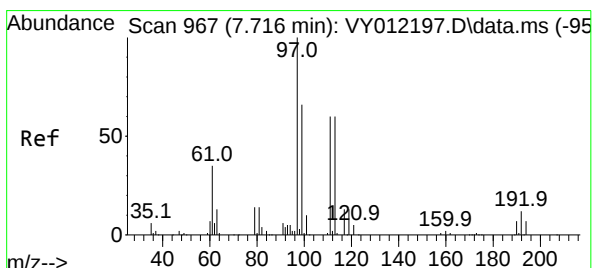
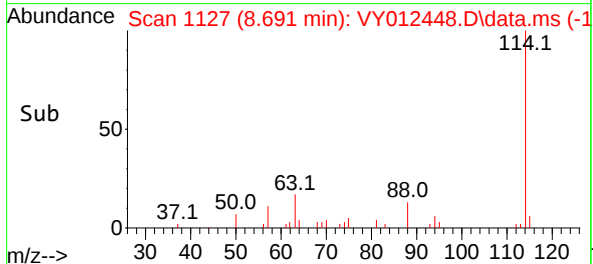
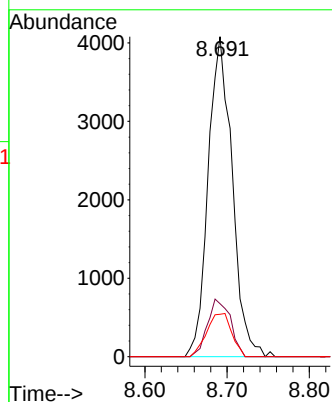
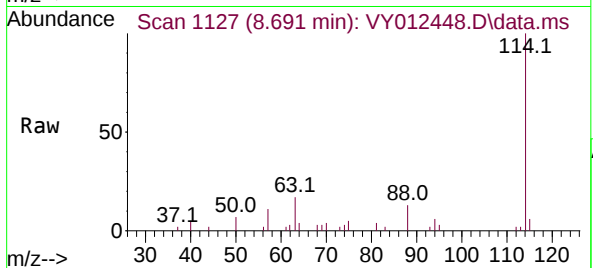
Tgt Ion:114 Resp: 8273

Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.6

88 13.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 28.718 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

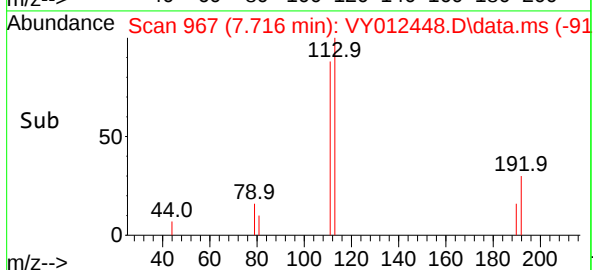
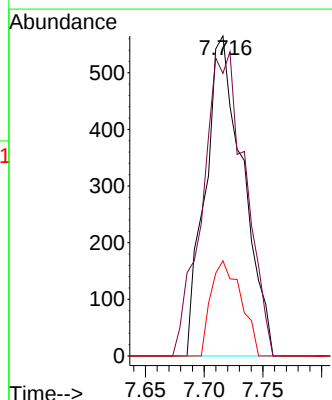
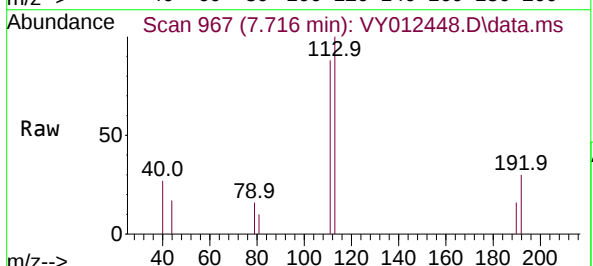
Tgt Ion:113 Resp: 1258

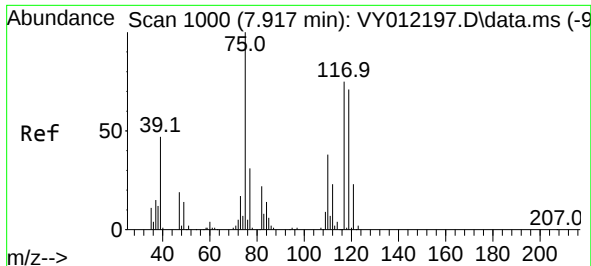
Ion Ratio Lower Upper

113 100

111 108.3 83.0 124.4

192 23.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

STOCKPILE-2

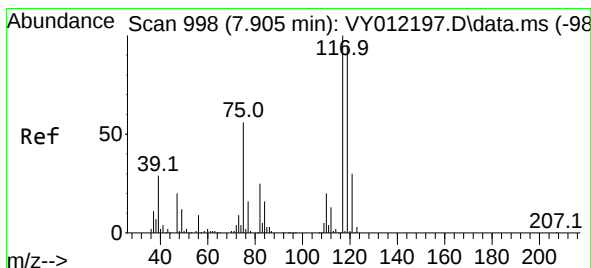
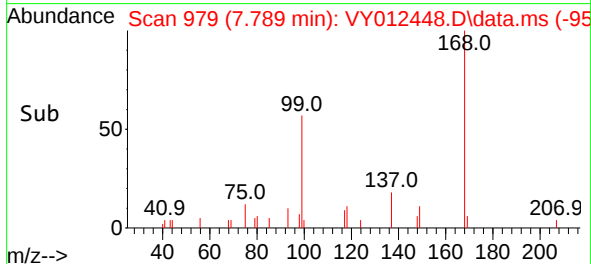
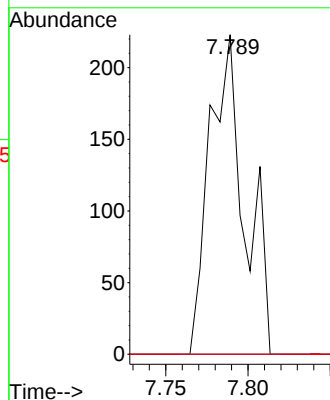
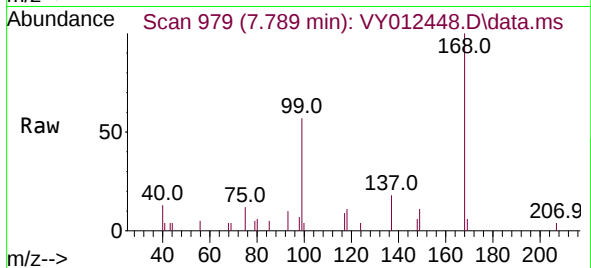
Tgt Ion: 75 Resp: 331

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.659 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

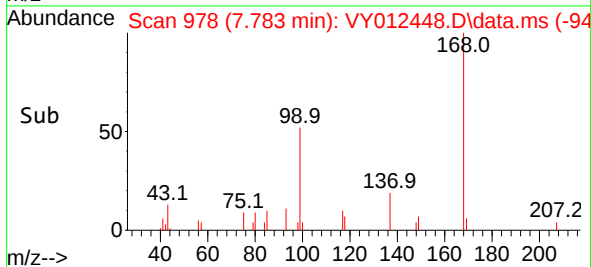
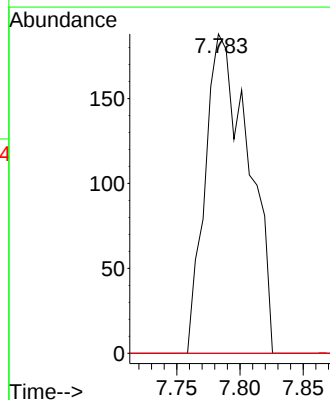
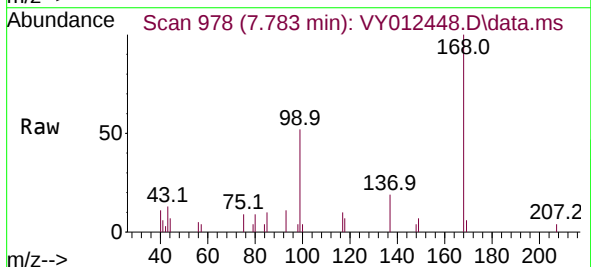
Tgt Ion: 117 Resp: 448

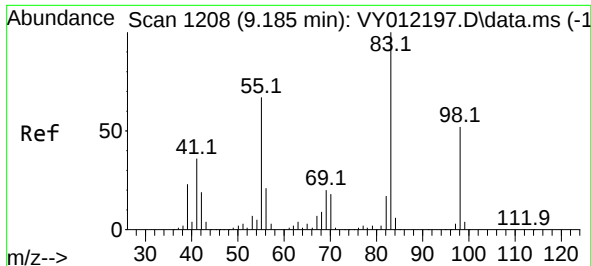
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

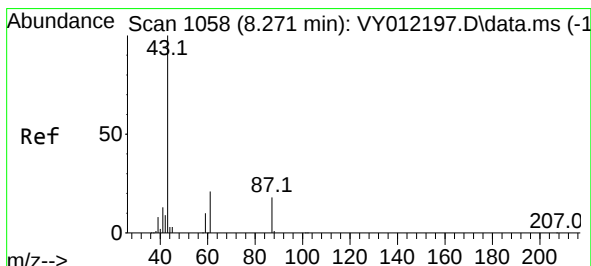
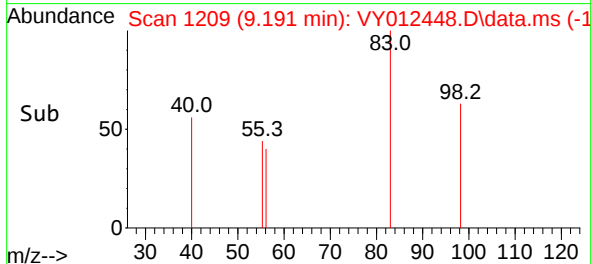
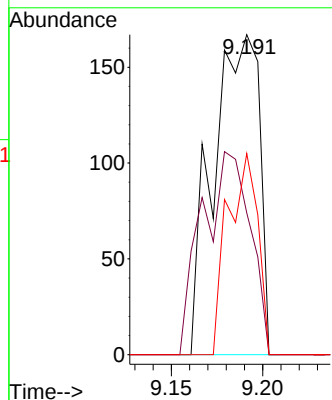
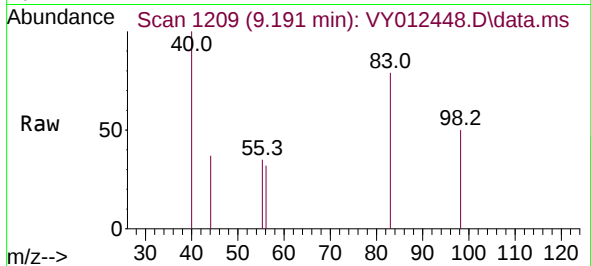




#39
Methylcyclohexane
Concen: 3.242 ug/l
RT: 9.191 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

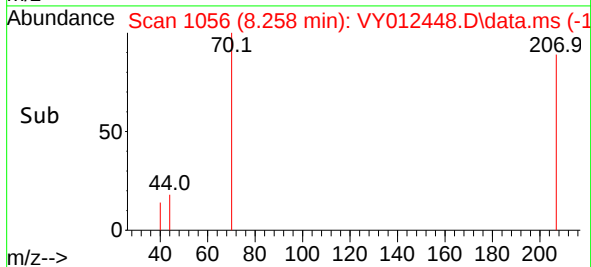
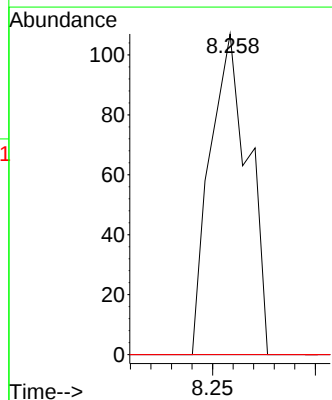
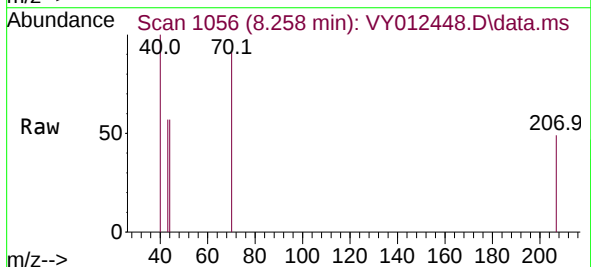
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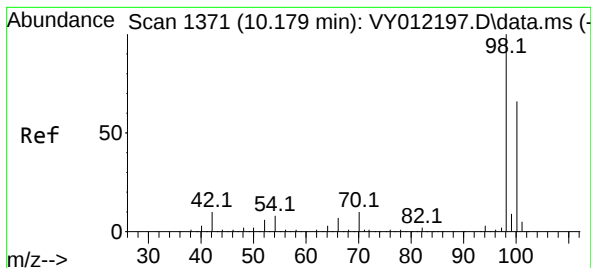
Tgt Ion: 83 Resp: 295
Ion Ratio Lower Upper
83 100
55 44.3 58.2 87.2#
98 62.9 38.6 58.0#



#43
Isopropyl Acetate
Concen: 2.276 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. -0.013 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
61 0.0 24.4 36.6#
87 0.0 11.4 17.2#





#50

Toluene-d8

Concen: 60.886 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

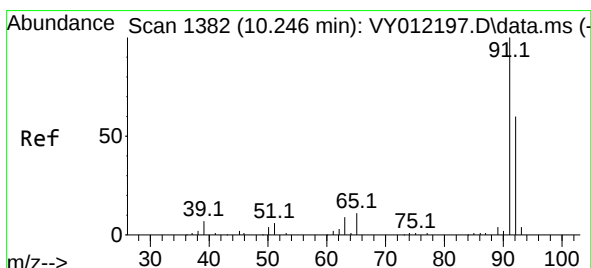
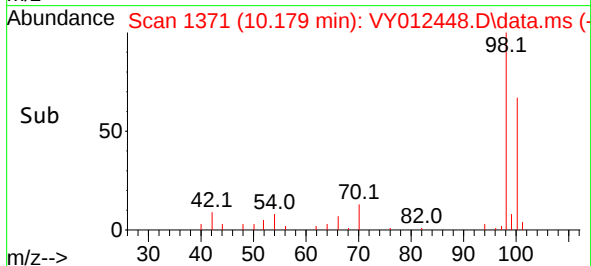
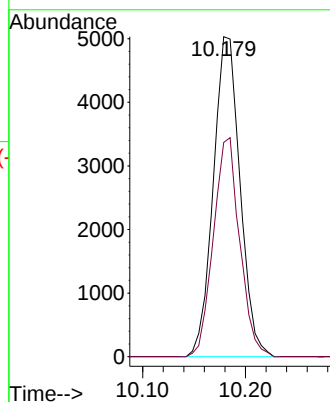
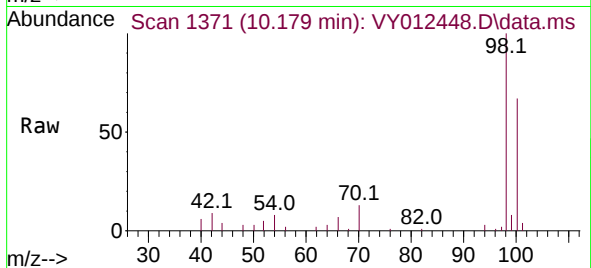
STOCKPILE-2

Tgt Ion: 98 Resp: 9098

Ion Ratio Lower Upper

98 100

100 67.1 51.9 77.9



#52

Toluene

Concen: 15.139 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY012448.D

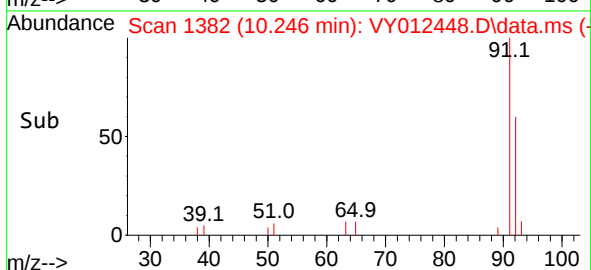
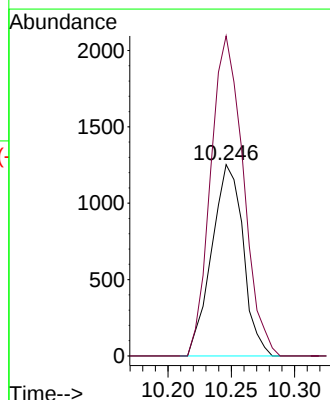
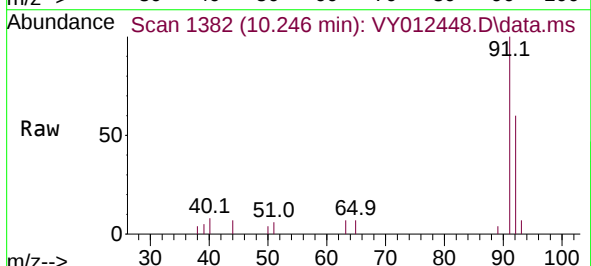
Acq: 01 Feb 2023 17:36

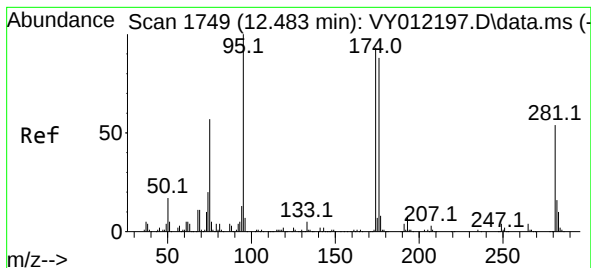
Tgt Ion: 92 Resp: 2166

Ion Ratio Lower Upper

92 100

91 173.3 137.4 206.0

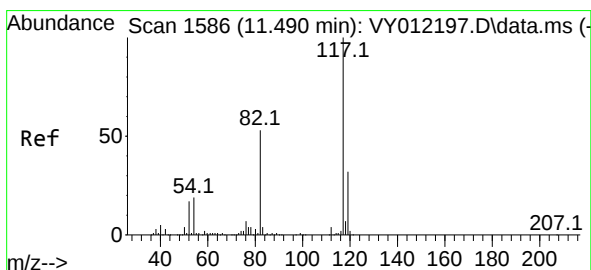
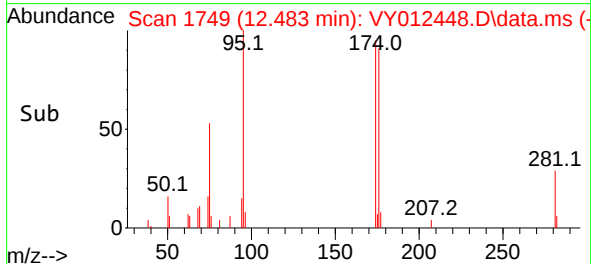
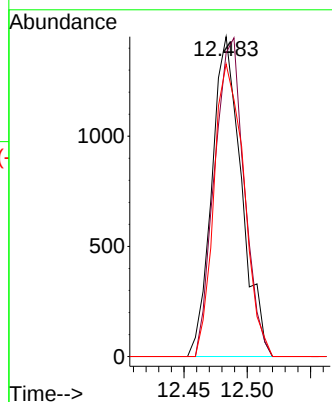
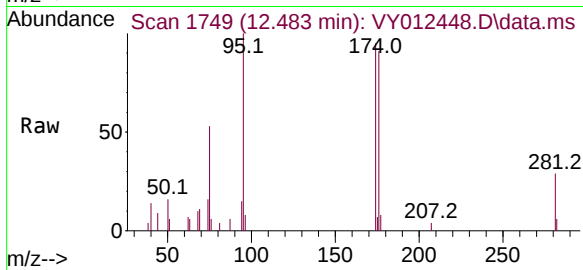




#62
4-Bromofluorobenzene
Concen: 38.266 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

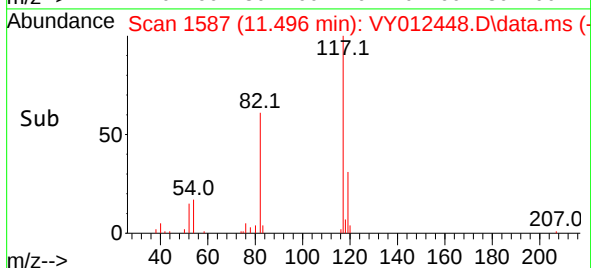
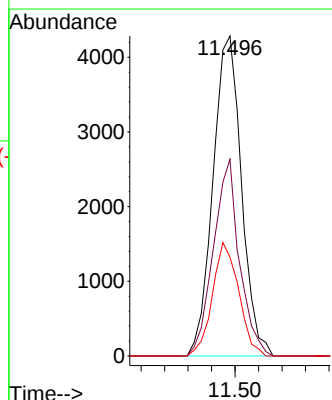
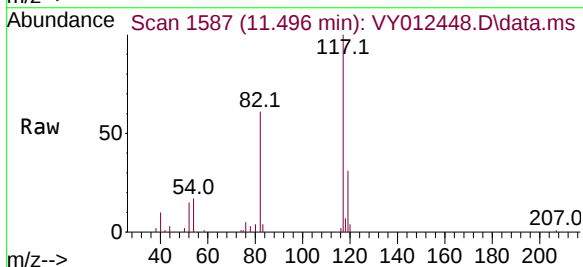
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

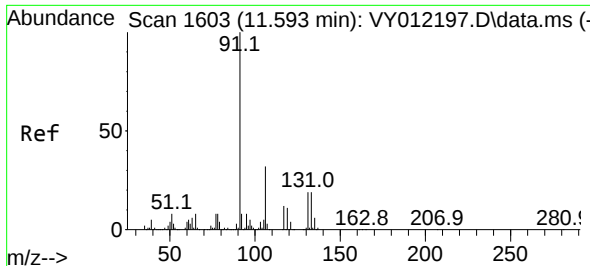
Tgt Ion: 95 Resp: 2363
Ion Ratio Lower Upper
95 100
174 99.7 0.0 172.0
176 92.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 117 Resp: 7215
Ion Ratio Lower Upper
117 100
82 61.4 44.8 67.2
119 30.8 25.4 38.2





#67

Ethyl Benzene

Concen: 4.166 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

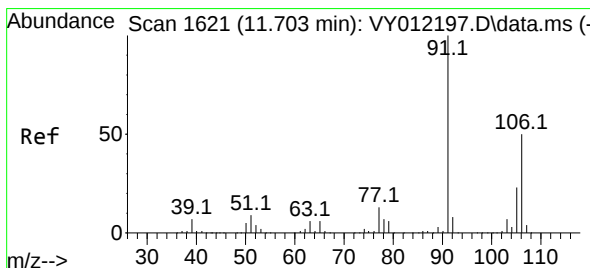
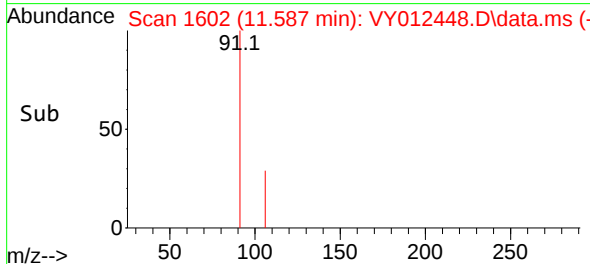
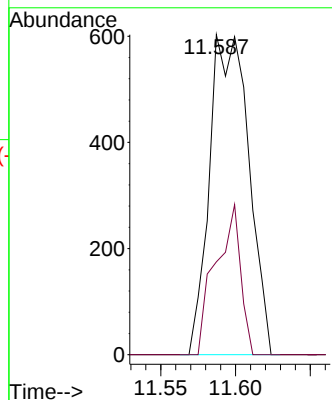
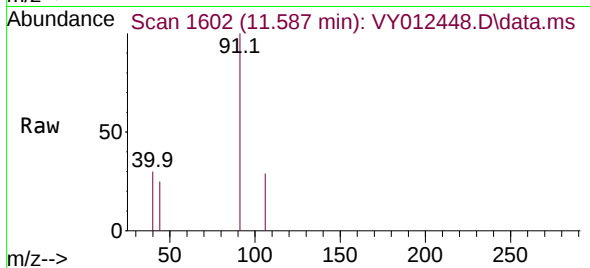
STOCKPILE-2

Tgt Ion: 91 Resp: 1099

Ion Ratio Lower Upper

91 100

106 29.0 25.0 37.4



#68

m/p-Xylenes

Concen: 15.185 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY012448.D

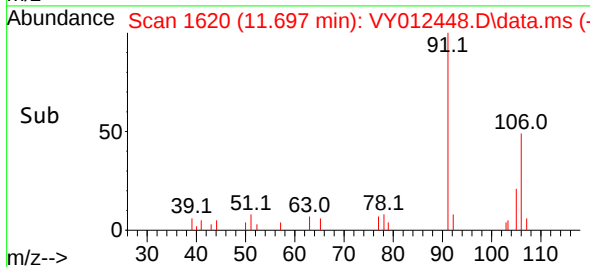
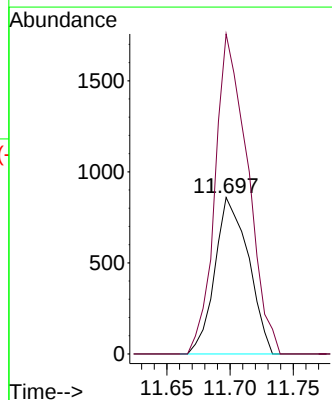
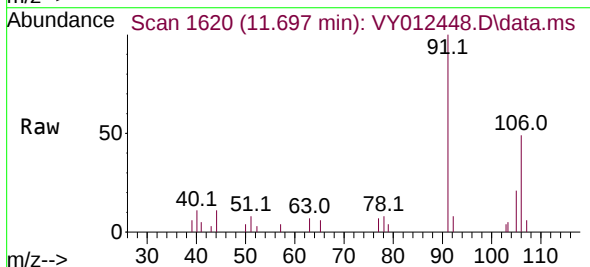
Acq: 01 Feb 2023 17:36

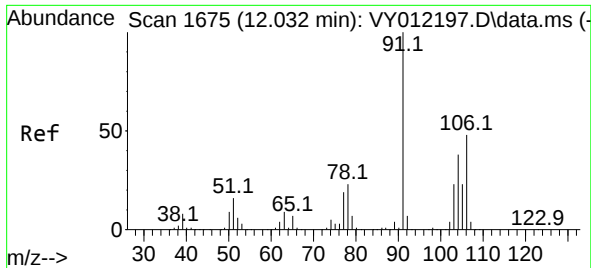
Tgt Ion: 106 Resp: 1584

Ion Ratio Lower Upper

106 100

91 198.5 162.5 243.7

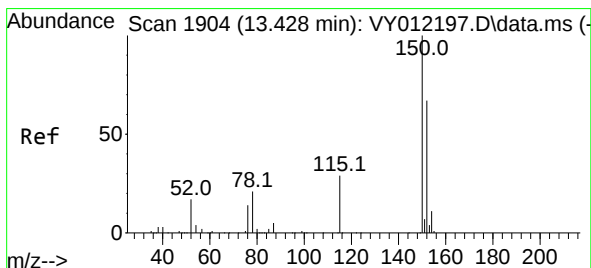
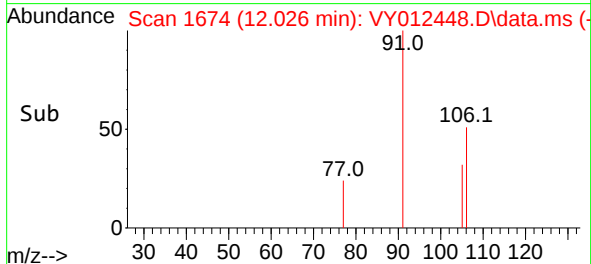
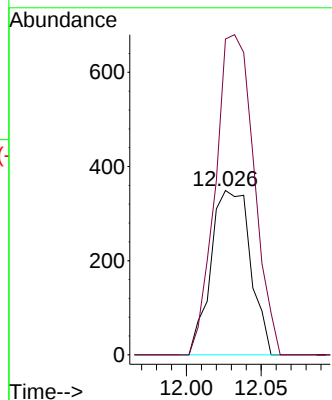
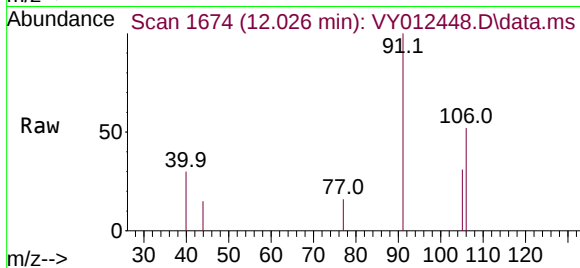




#69
o-Xylene
Concen: 6.443 ug/l
RT: 12.026 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

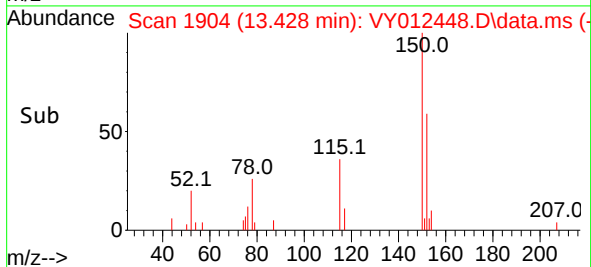
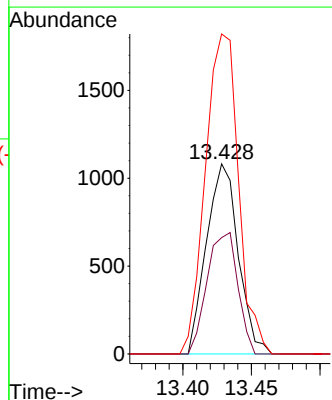
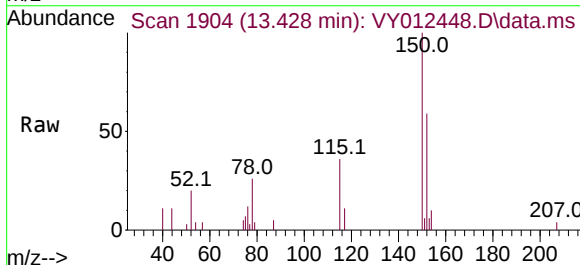
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

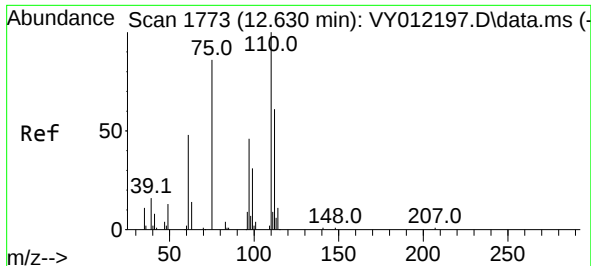
Tgt Ion:106 Resp: 642
Ion Ratio Lower Upper
106 100
91 189.7 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion:152 Resp: 1741
Ion Ratio Lower Upper
152 100
115 61.7 29.1 87.3
150 175.5 0.0 342.6

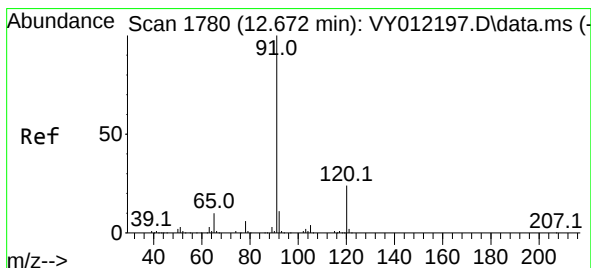
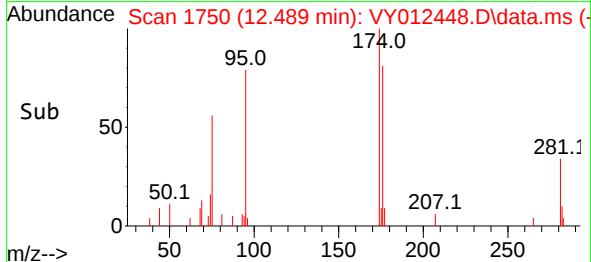
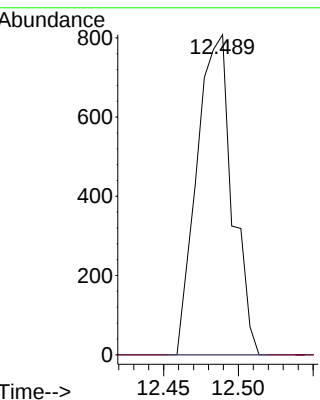
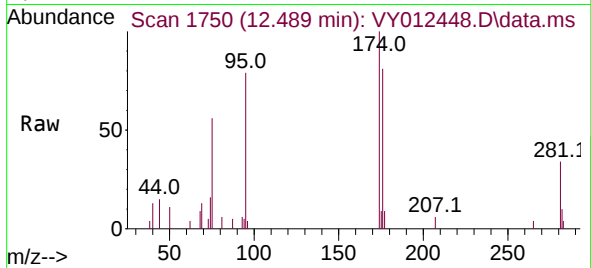




#76
1,2,3-Trichloropropane
Concen: 83.015 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.141 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

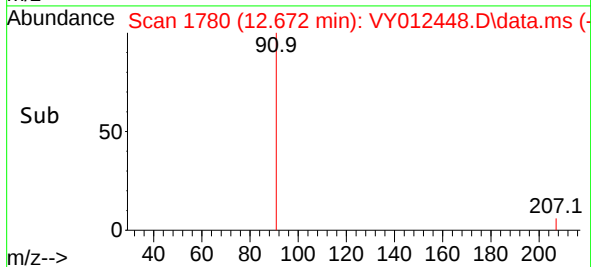
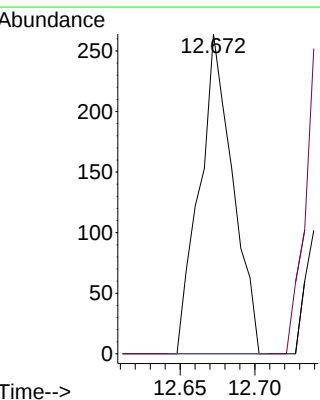
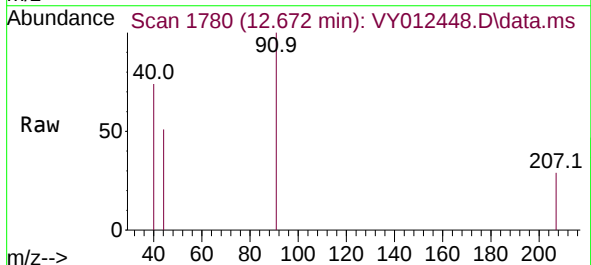
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

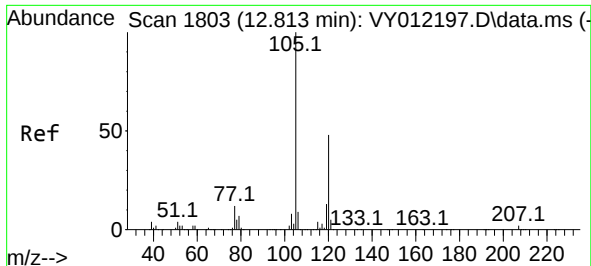
Tgt Ion: 75 Resp: 1329
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 2.777 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

Tgt Ion: 91 Resp: 408
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.4#

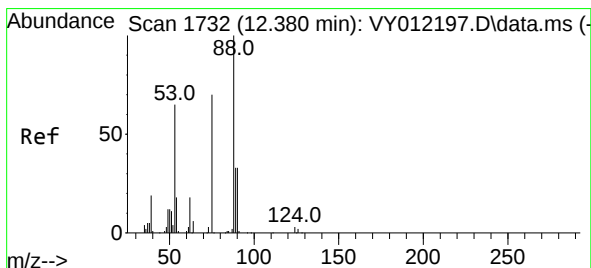
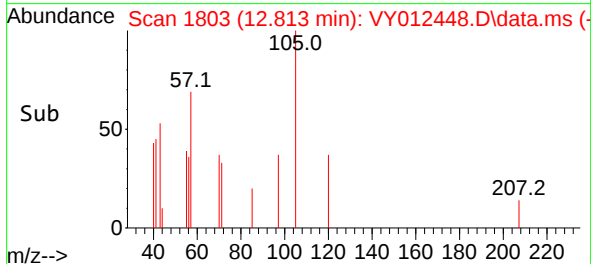
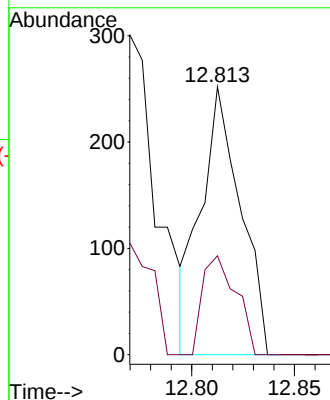
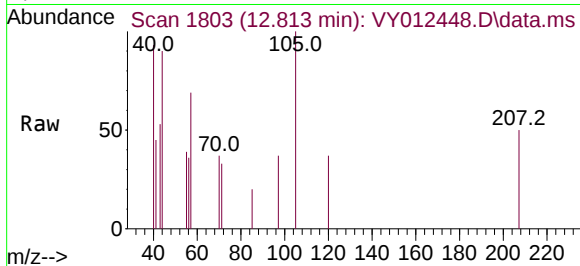




#80
 1,3,5-Trimethylbenzene
 Concen: 3.097 ug/l
 RT: 12.813 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY012448.D
 Acq: 01 Feb 2023 17:36

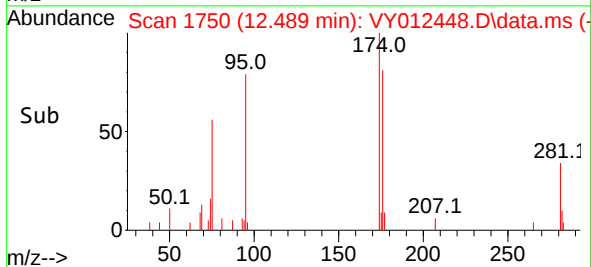
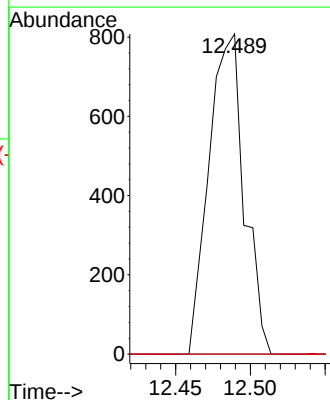
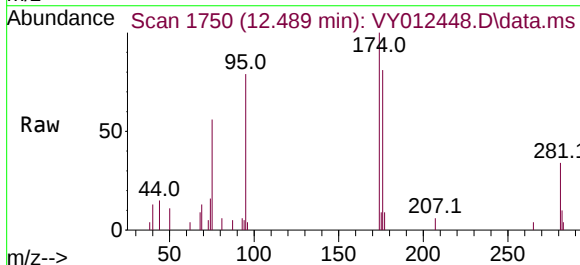
Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCKPILE-2

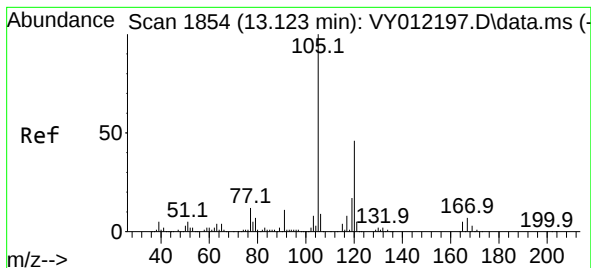
Tgt Ion:105 Resp: 338
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.048 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.115 min
 Lab File: VY012448.D
 Acq: 01 Feb 2023 17:36

Tgt Ion: 75 Resp: 1329
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 8.604 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012448.D

Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

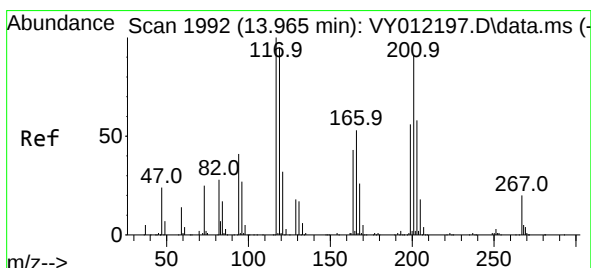
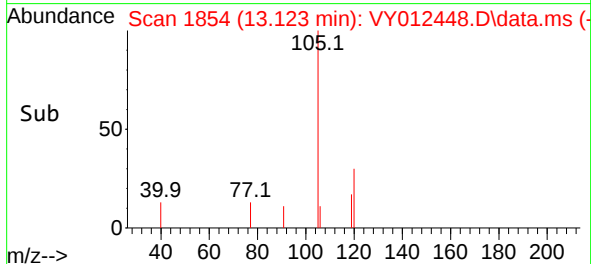
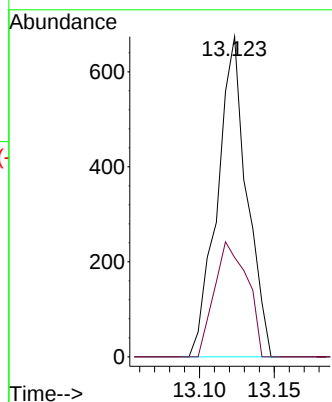
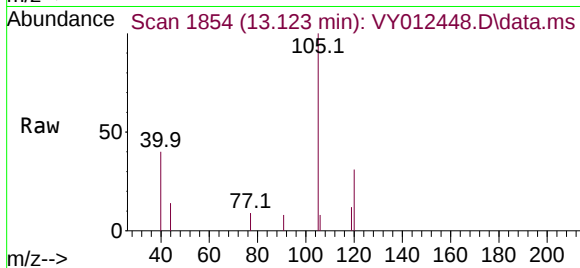
STOCKPILE-2

Tgt Ion:105 Resp: 926

Ion Ratio Lower Upper

105 100

120 39.8 22.9 68.7



#90

Hexachloroethane

Concen: 1.077 ug/l

RT: 14.075 min Scan# 2010

Delta R.T. 0.116 min

Lab File: VY012448.D

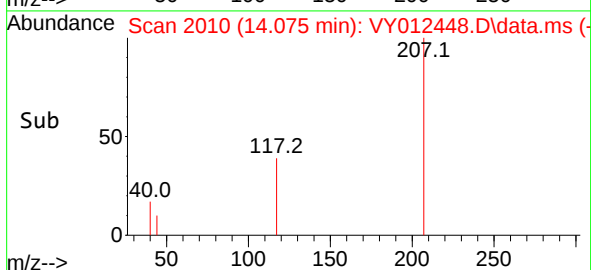
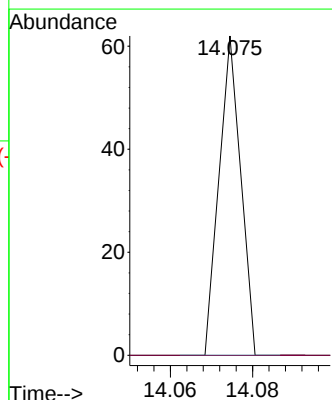
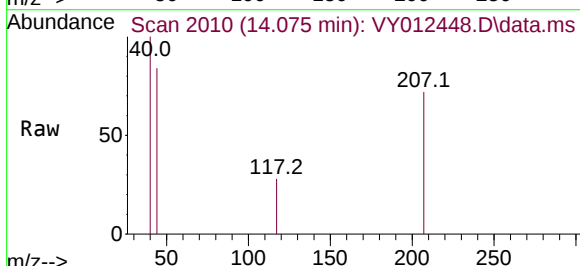
Acq: 01 Feb 2023 17:36

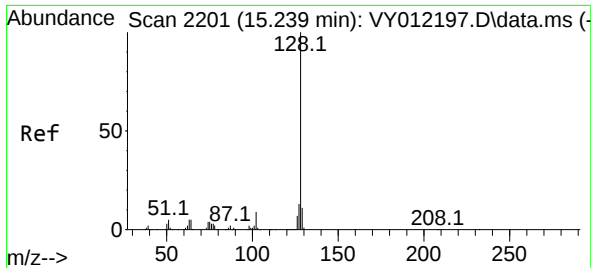
Tgt Ion:117 Resp: 23

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#





#95

Naphthalene

Concen: 1.298 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012448.D

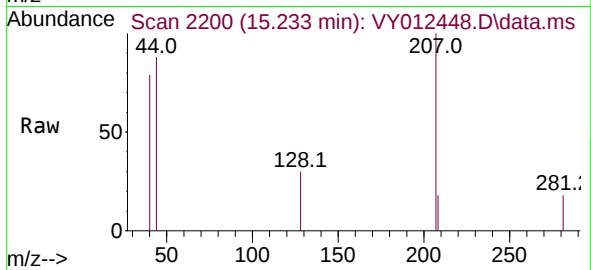
Acq: 01 Feb 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

STOCKPILE-2



Tgt Ion:128 Resp: 88

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

