

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)

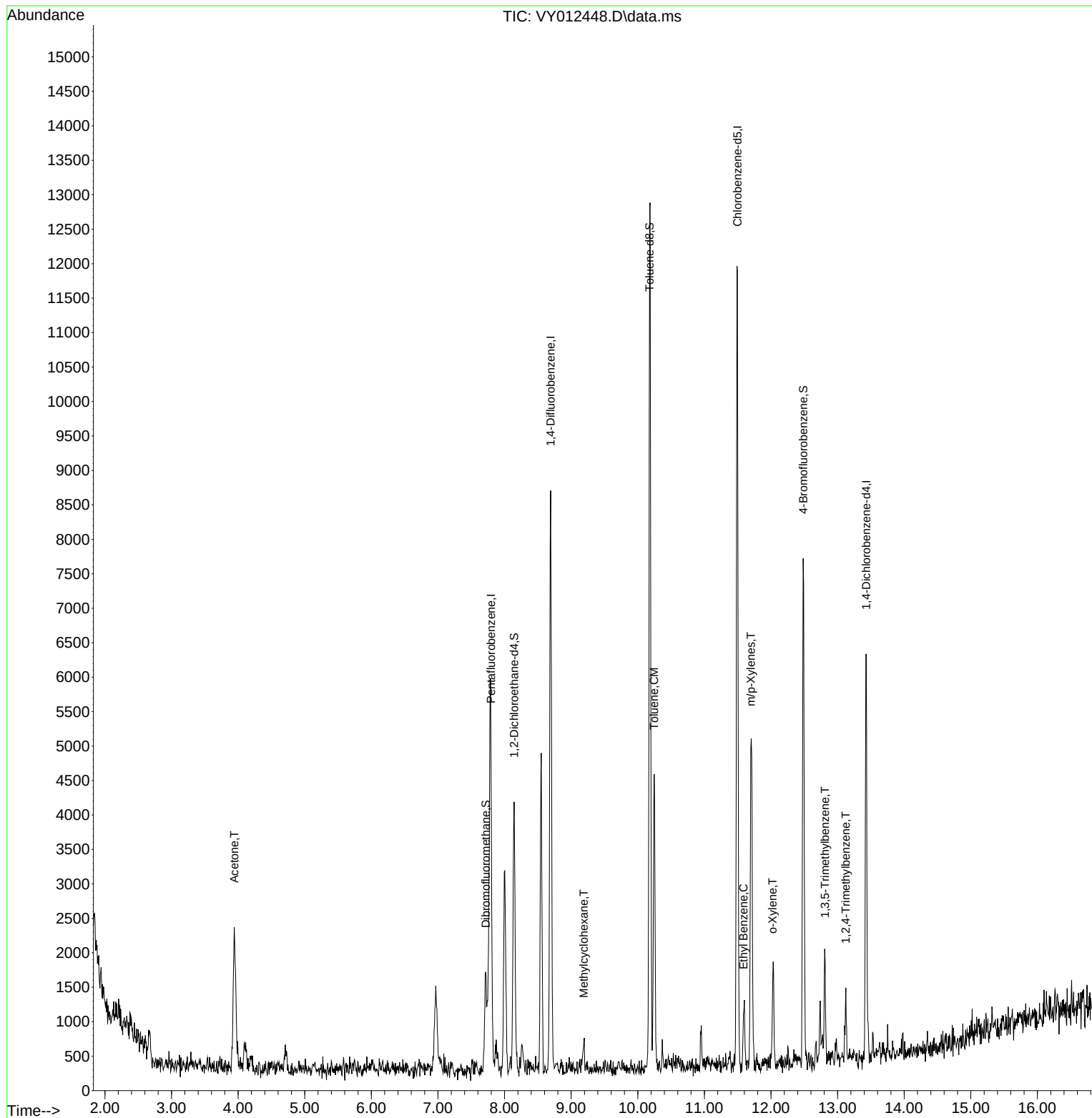
Internal Standards						
1) Pentafluorobenzene	7.795	168	4644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	8273	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
16) Acetone	3.942	43	3704	286.433	ug/l	99
39) Methylcyclohexane	9.191	83	295	3.242	ug/l	# 71
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
80) 1,3,5-Trimethylbenzene	12.813	105	338	3.097	ug/l	75
84) 1,2,4-Trimethylbenzene	13.123	105	926	8.604	ug/l	91

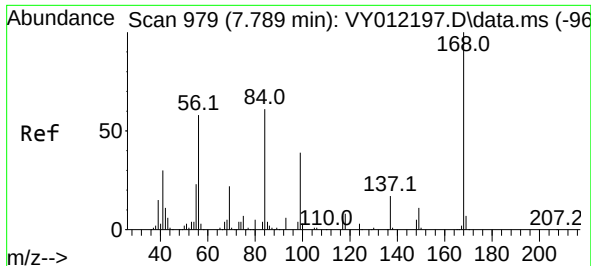
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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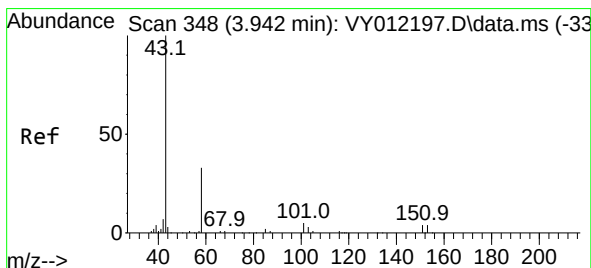
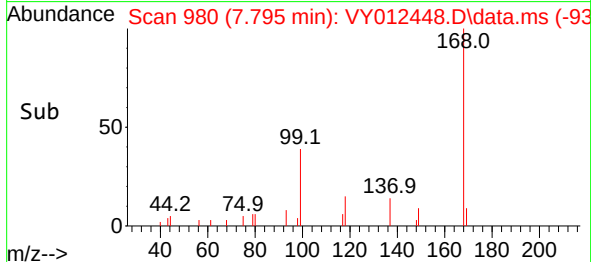
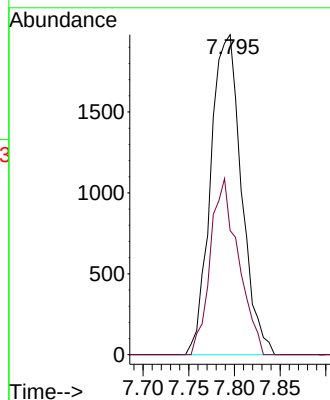
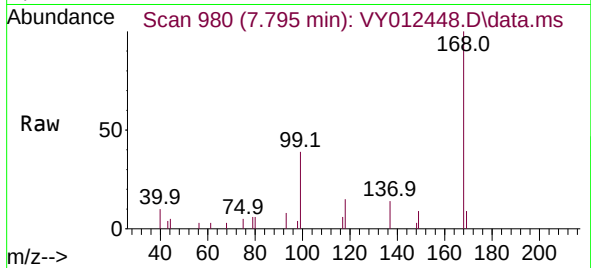




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

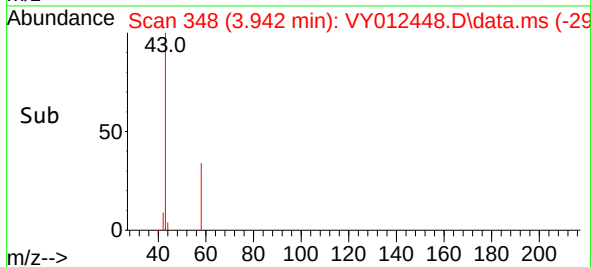
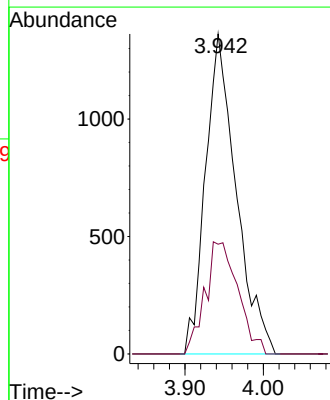
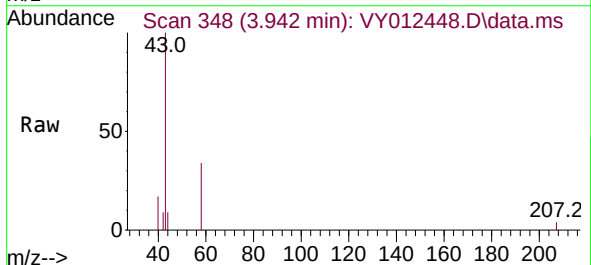
Instrument :
MSVOA_Y
ClientSampleId :
STOCKPILE-2

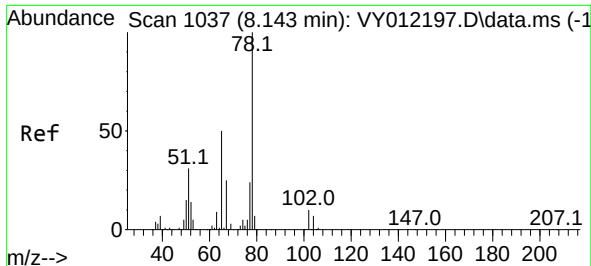
Tgt Ion:168 Resp: 4644
Ion Ratio Lower Upper
168 100
99 38.8 44.0 66.0#



#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

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





#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

Instrument :

MSVOA_Y

ClientSampleId :

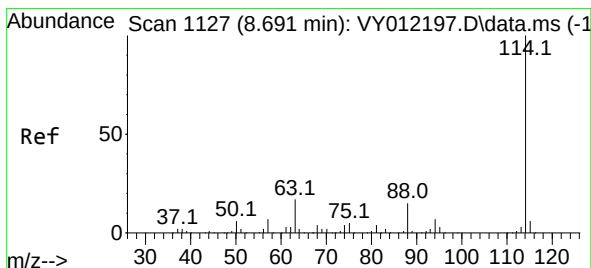
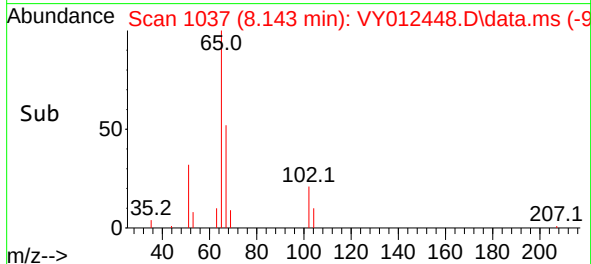
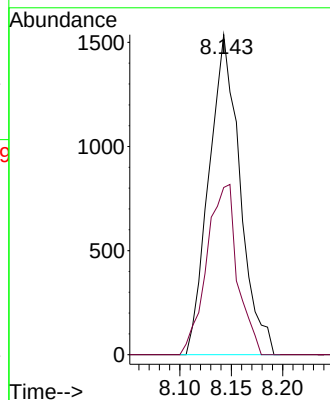
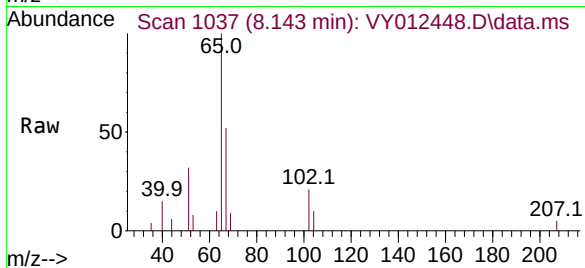
STOCKPILE-2

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

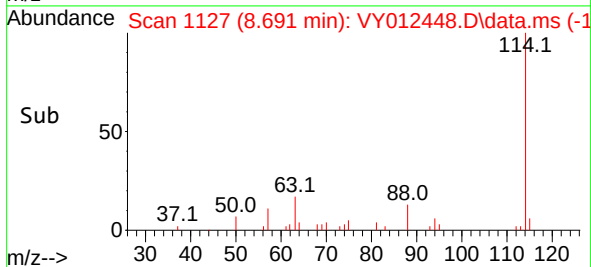
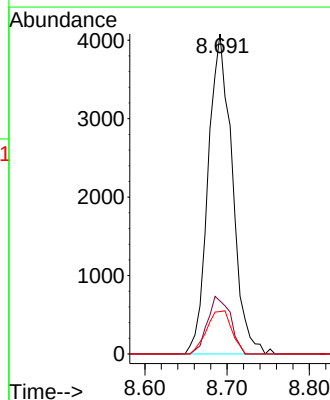
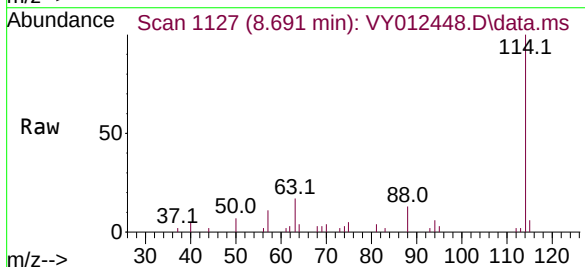
Tgt Ion: 114 Resp: 8273

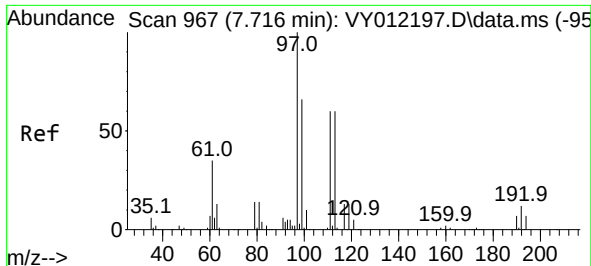
Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.6

88 13.3 0.0 32.2

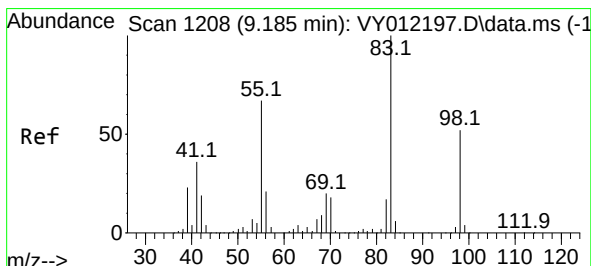
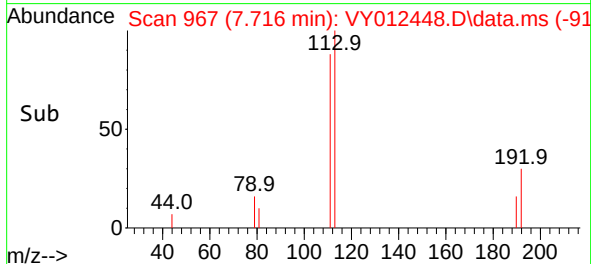
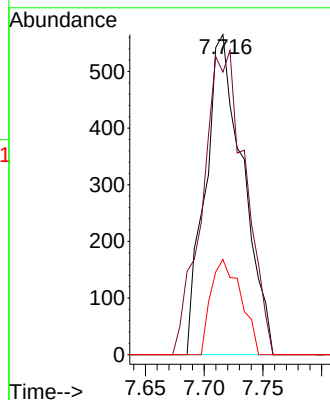
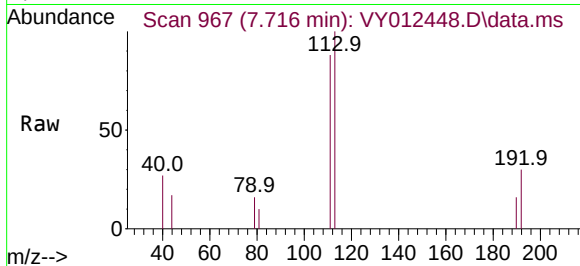




#35
Dibromofluoromethane
Concen: 28.718 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

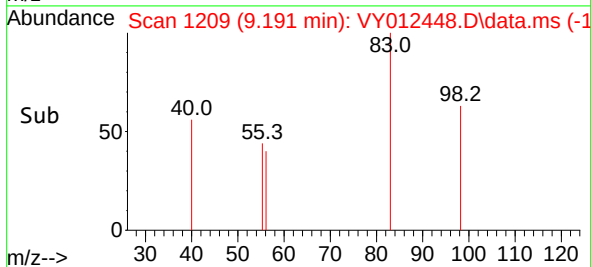
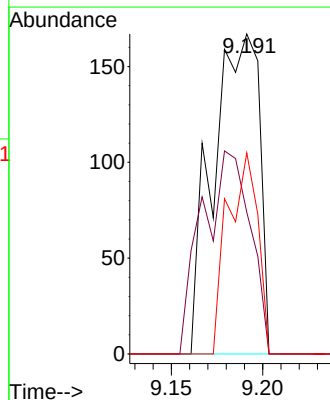
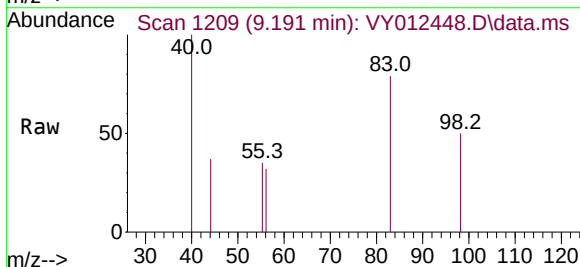
Instrument :
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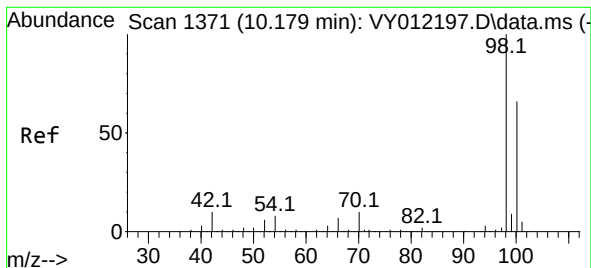
Tgt Ion:113 Resp: 1258
Ion Ratio Lower Upper
113 100
111 108.3 83.0 124.4
192 23.7 16.0 24.0



#39
Methylcyclohexane
Concen: 3.242 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

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#





#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 :

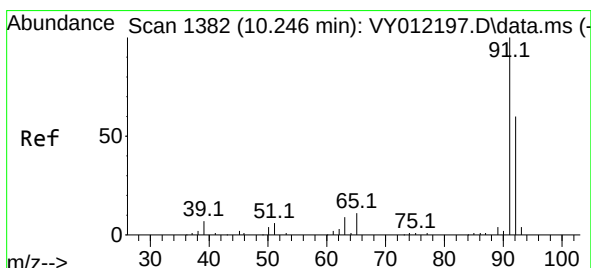
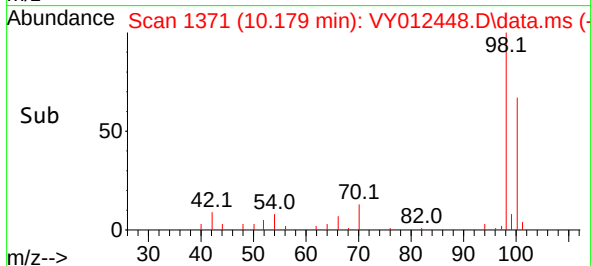
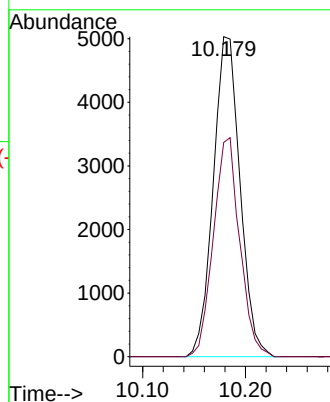
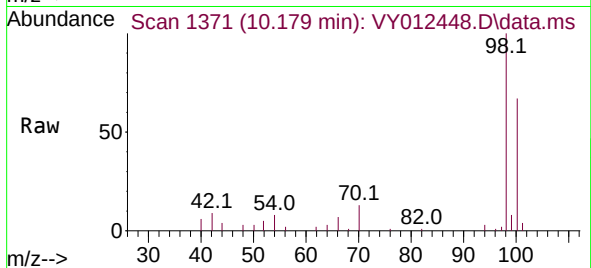
STOCKPILE-2

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

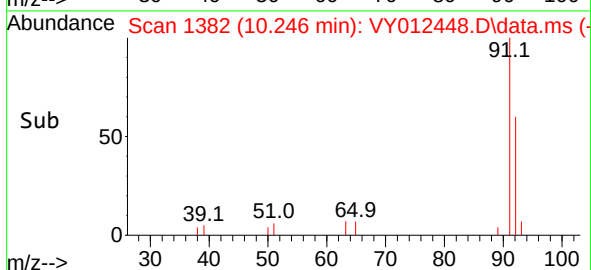
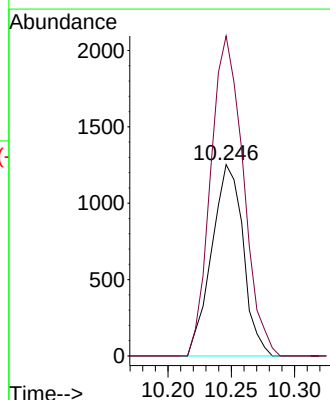
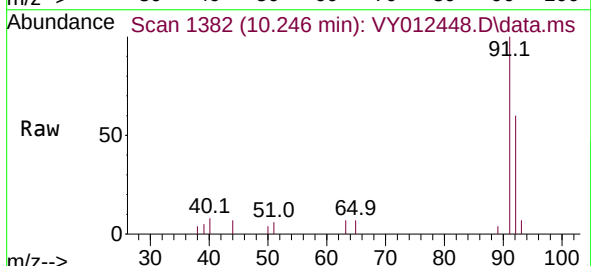
Acq: 01 Feb 2023 17:36

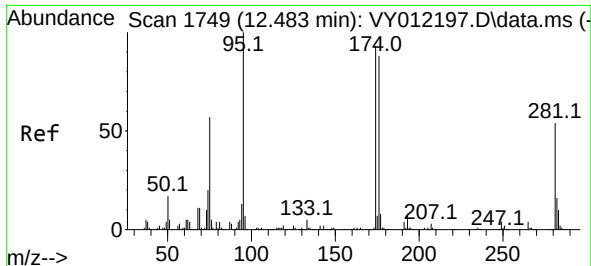
Tgt Ion: 92 Resp: 2166

Ion Ratio Lower Upper

92 100

91 173.3 137.4 206.0

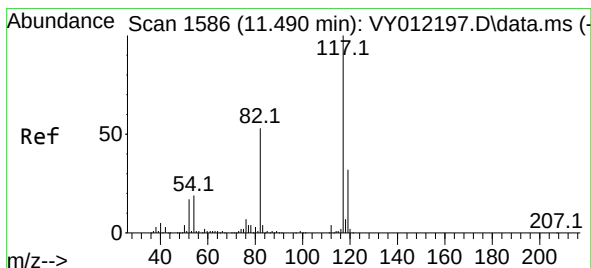
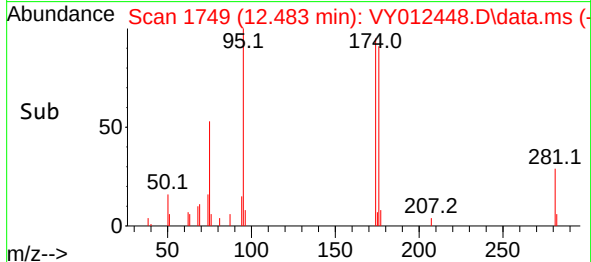
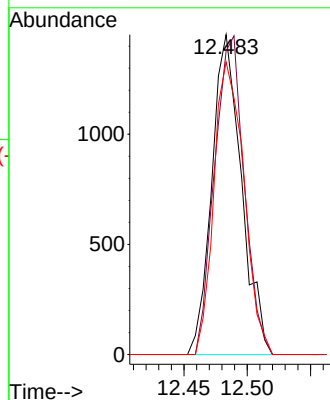
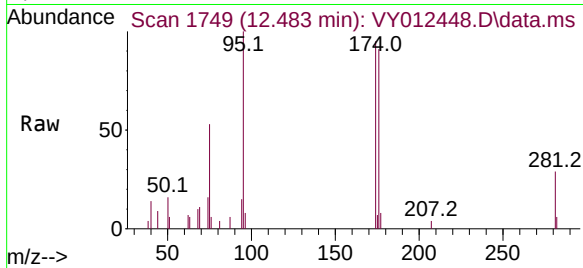




#62
4-Bromofluorobenzene
Concen: 38.266 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

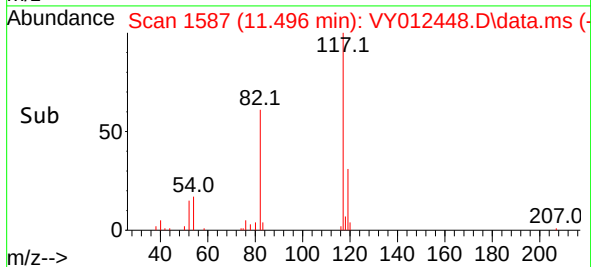
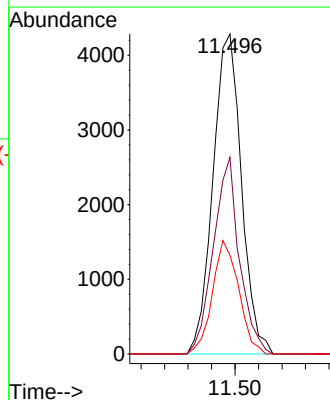
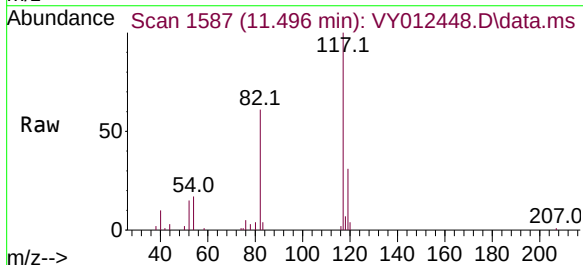
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STOCKPILE-2

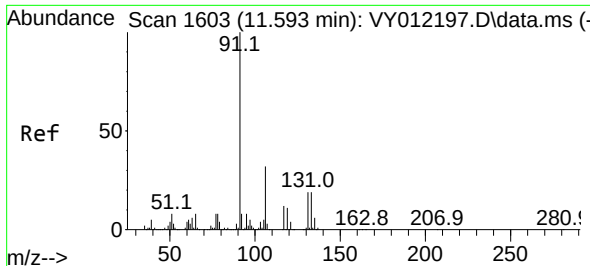
Tgt Ion: 95 Resp: 2363
Ion Ratio Lower Upper
95 100
174 99.7 0.0 172.0
176 92.7 0.0 167.6



#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

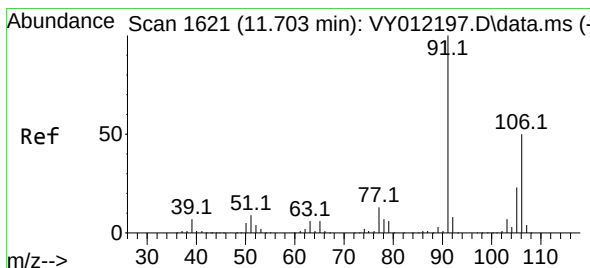
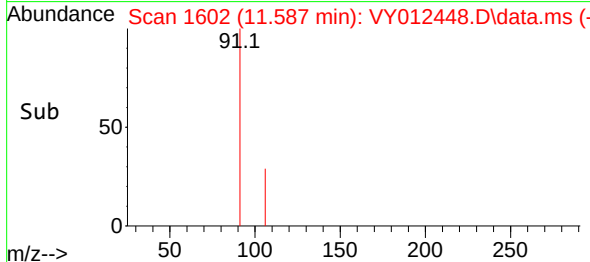
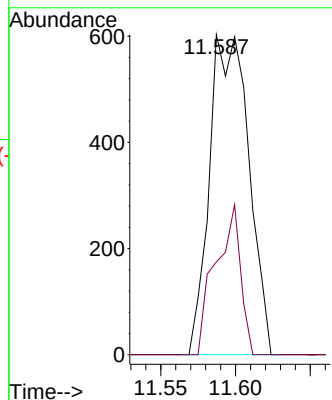
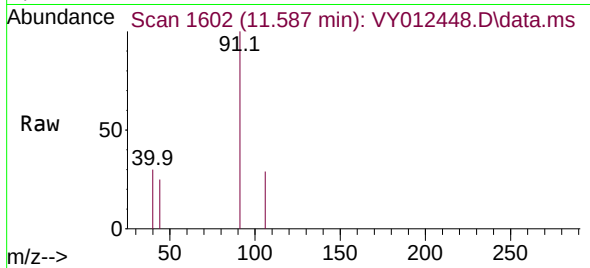




#67
Ethyl Benzene
Concen: 4.166 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

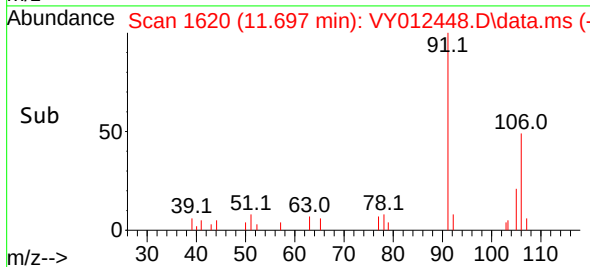
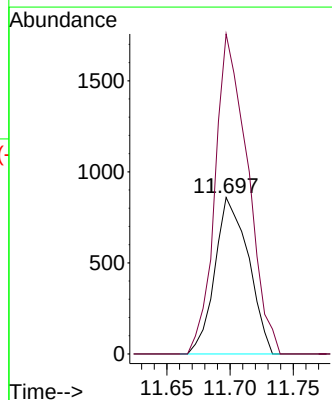
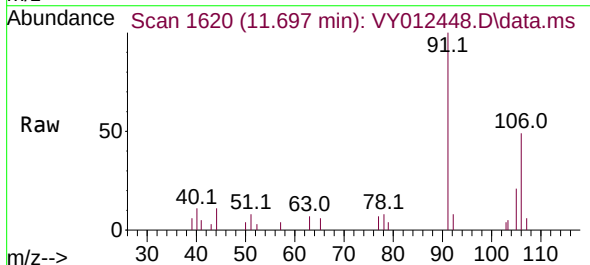
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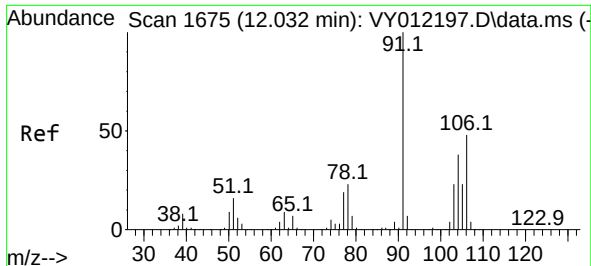
Tgt Ion: 91 Resp: 1099
Ion Ratio Lower Upper
91 100
106 29.0 25.0 37.4



#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

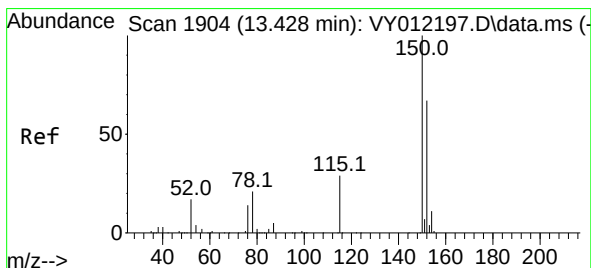
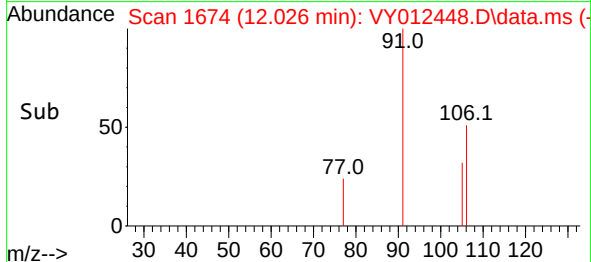
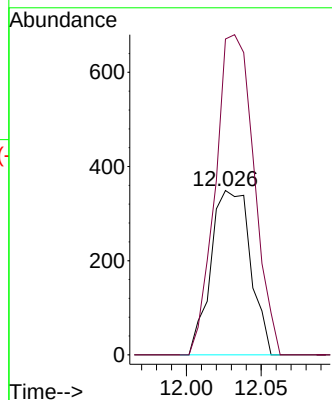
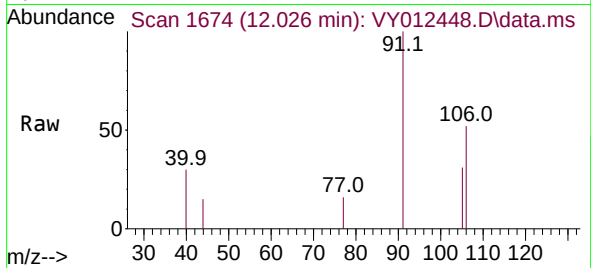




#69
o-Xylene
Concen: 6.443 ug/l
RT: 12.026 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY012448.D
Acq: 01 Feb 2023 17:36

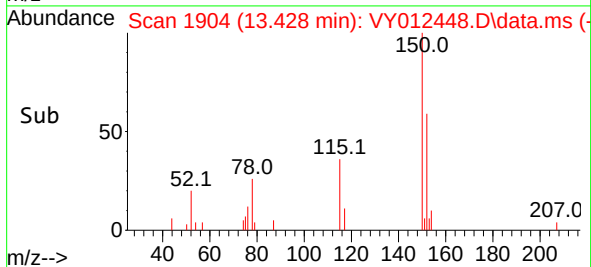
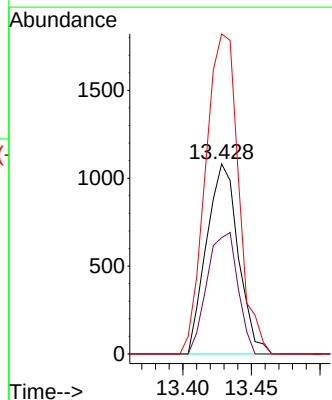
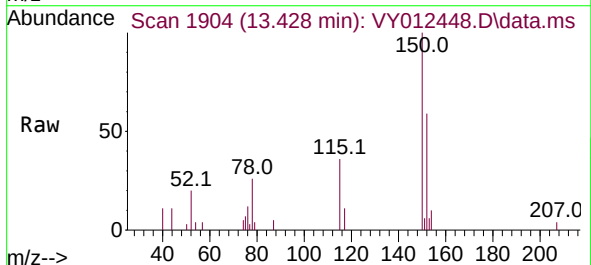
Instrument :
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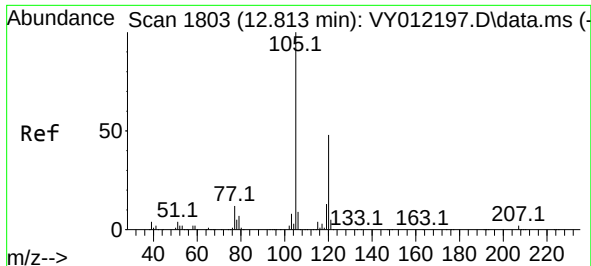
Tgt Ion:106 Resp: 642
Ion Ratio Lower Upper
106 100
91 189.7 107.5 322.4



#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

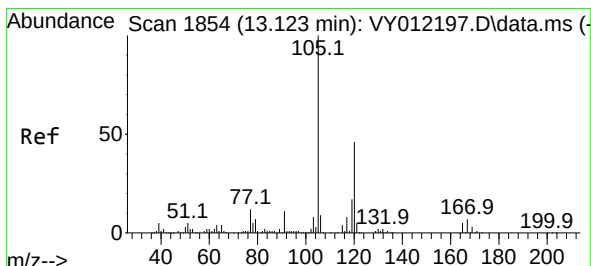
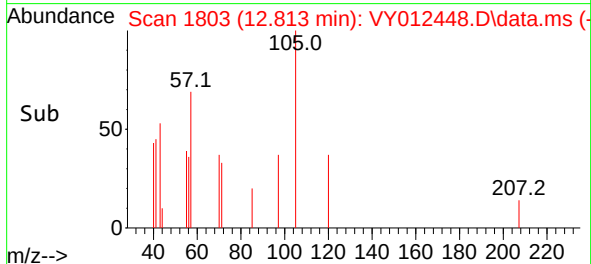
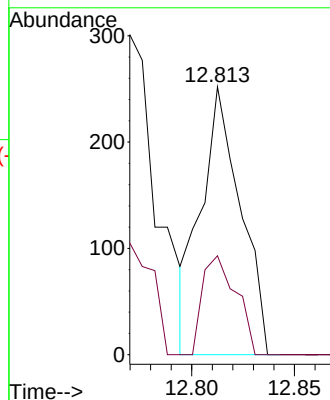
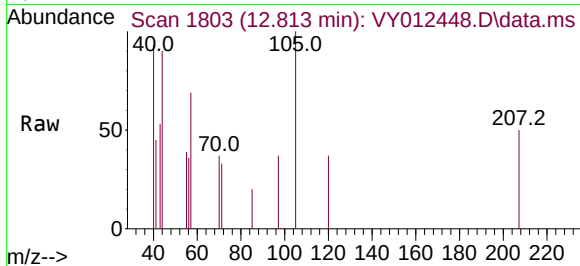




#80
 1,3,5-Trimethylbenzene
 Concen: 3.097 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. -0.000 min
 Lab File: VY012448.D
 Acq: 01 Feb 2023 17:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCKPILE-2

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



#84
 1,2,4-Trimethylbenzene
 Concen: 8.604 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY012448.D
 Acq: 01 Feb 2023 17:36

Tgt Ion:105 Resp: 926
 Ion Ratio Lower Upper
 105 100
 120 39.8 22.9 68.7

