

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013255.D
 Acq On : 11 Apr 2023 20:07
 Operator : KP/MD
 Sample : 02232-01
 Misc : 4.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230203-3-1

Quant Time: Apr 12 01:38:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 11:59:49 2023
 Response via : Initial Calibration

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

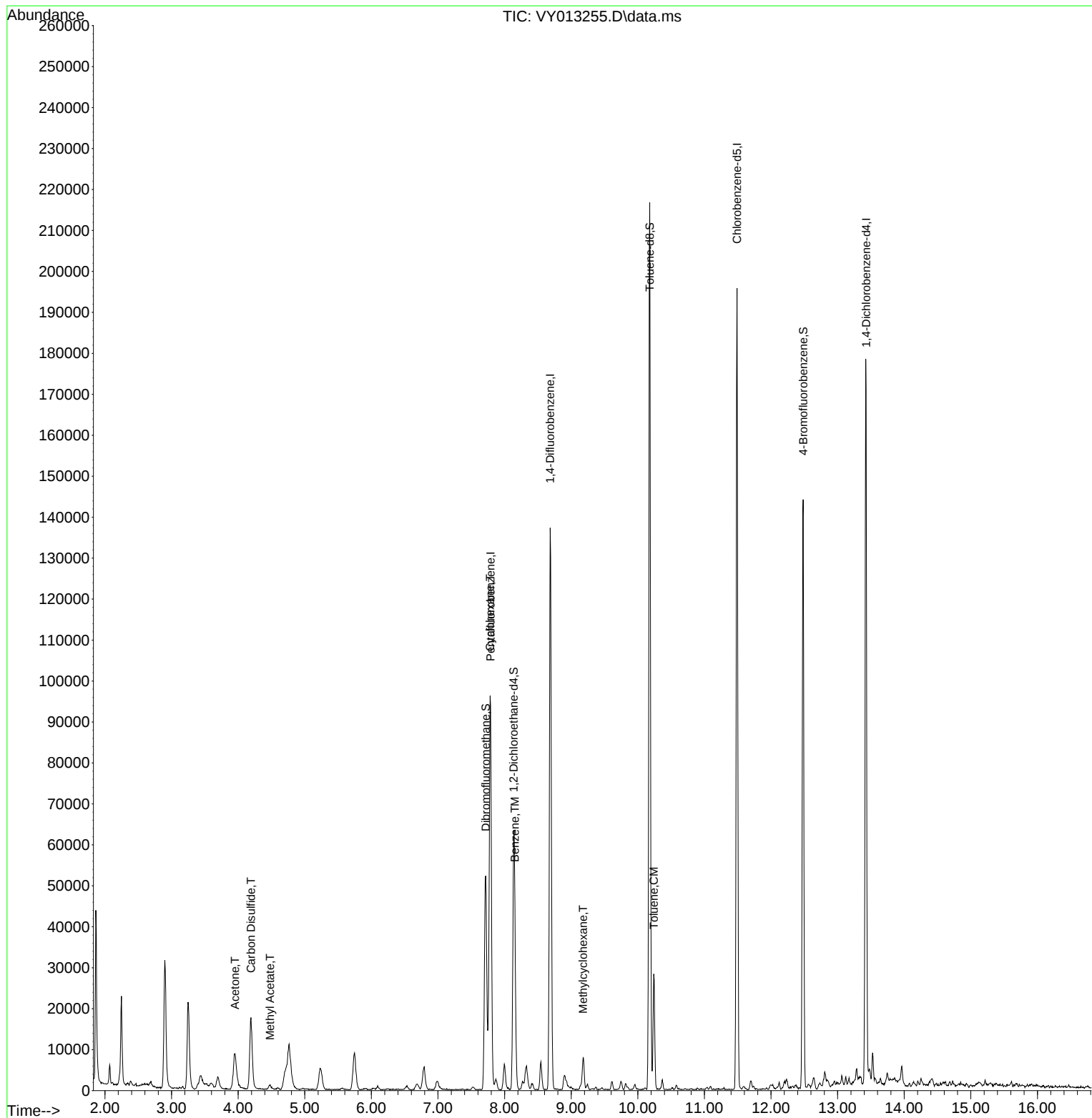
Internal Standards						
1) Pentafluorobenzene	7.789	168	67313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	112066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	97721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	44582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46879	61.930	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.860%	
35) Dibromofluoromethane	7.716	113	36630	54.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.360%	
50) Toluene-d8	10.179	98	135182	57.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.280%	
62) 4-Bromofluorobenzene	12.483	95	40692	48.587	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	18012	58.473	ug/l	100
17) Carbon Disulfide	4.192	76	34208	30.526	ug/l	99
18) Methyl Acetate	4.478	43	2560	2.799	ug/l #	78
31) Cyclohexane	7.783	56	5110	5.310	ug/l #	73
39) Methylcyclohexane	9.179	83	2719	2.808	ug/l	93
40) Benzene	8.155	78	12215	4.501	ug/l	95
52) Toluene	10.240	92	11106	6.526	ug/l	98

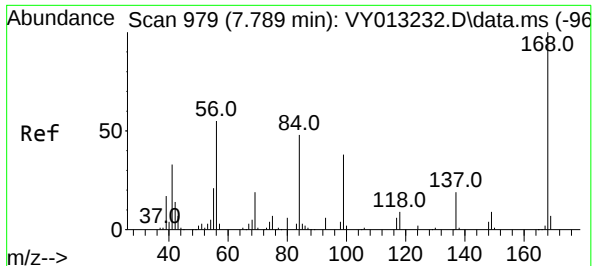
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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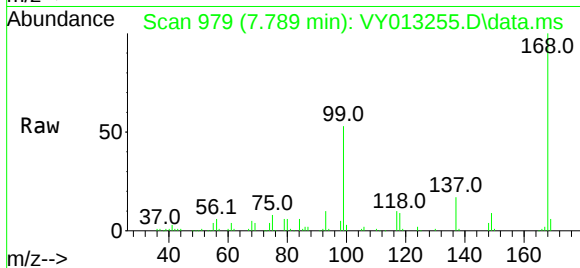
Quant Time: Apr 12 01:38:45 2023
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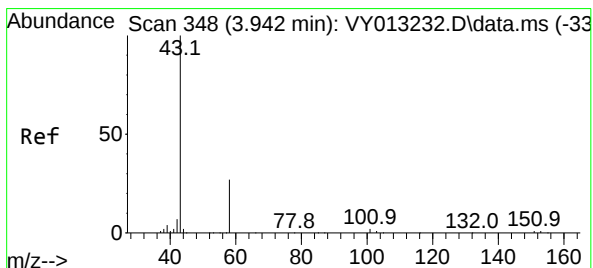
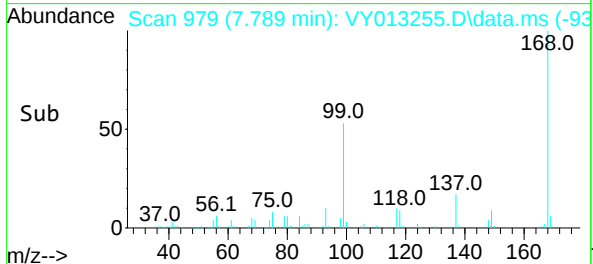
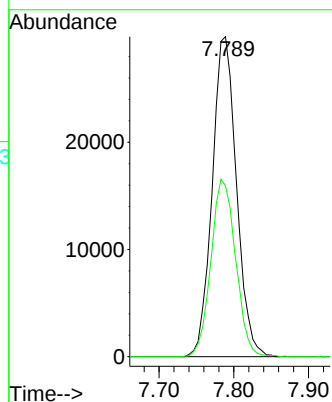


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :
20230203-3-1

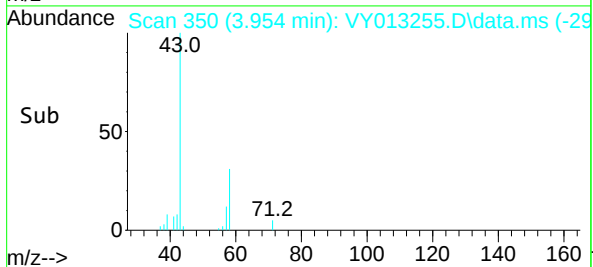
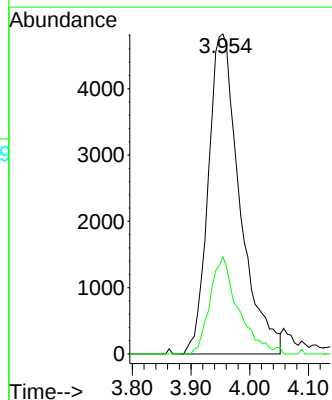
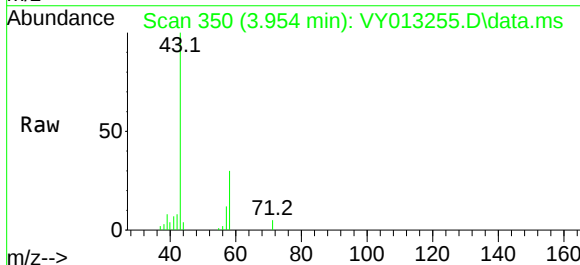


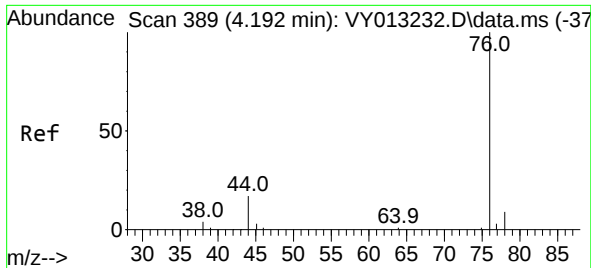
Tgt Ion:168 Resp: 67313
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5



#16
Acetone
Concen: 58.473 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Tgt Ion: 43 Resp: 18012
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.2

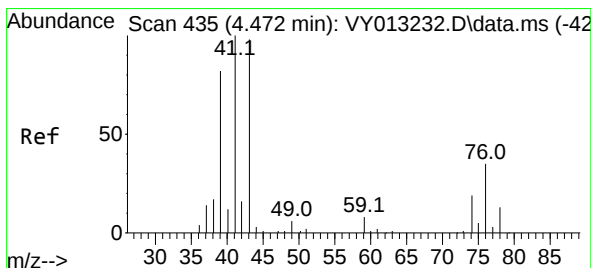
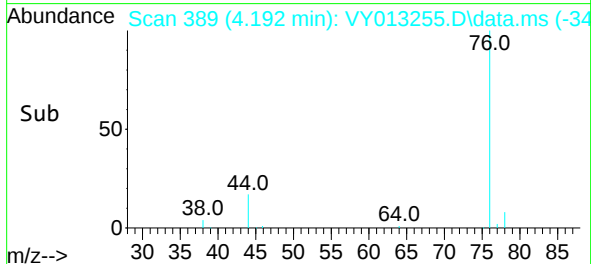
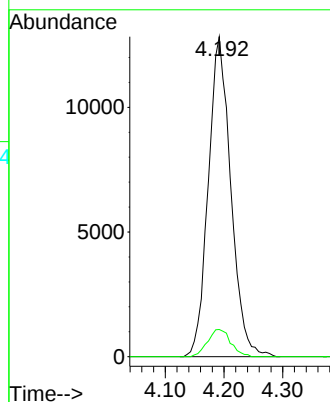
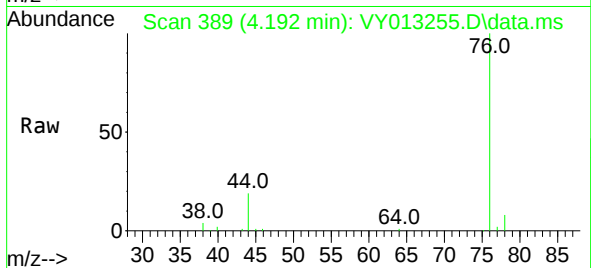




#17
Carbon Disulfide
Concen: 30.526 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

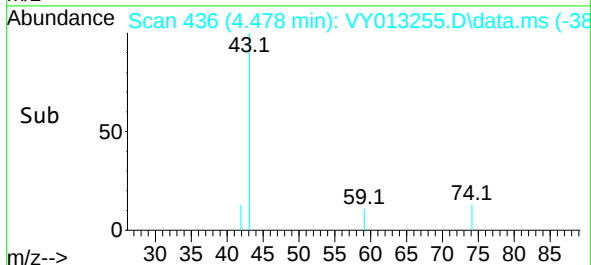
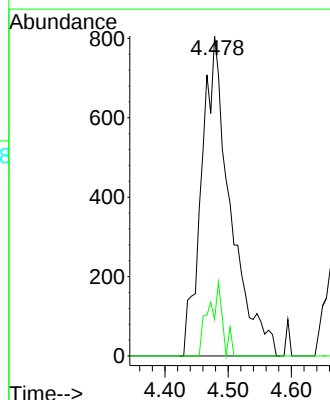
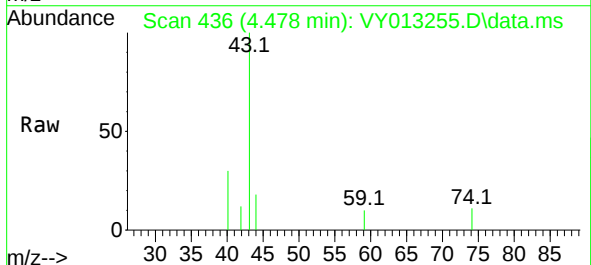
Instrument :
MSVOA_Y
ClientSampleId :
20230203-3-1

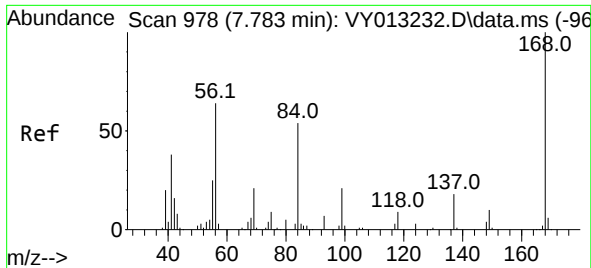
Tgt Ion: 76 Resp: 34208
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 2.799 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
74 11.3 17.4 26.0#

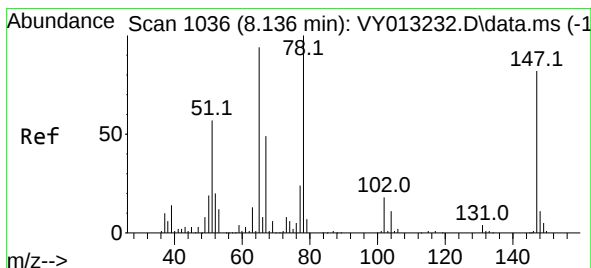
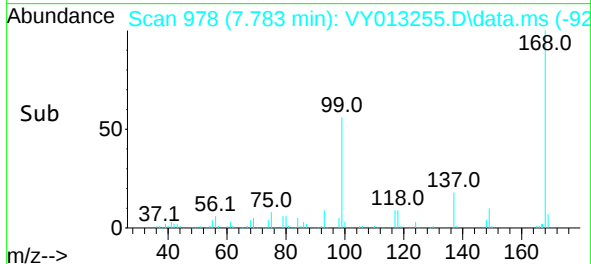
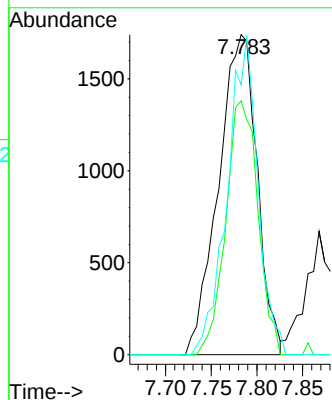
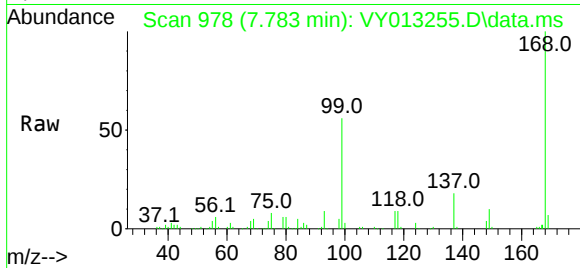




#31
Cyclohexane
Concen: 5.310 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

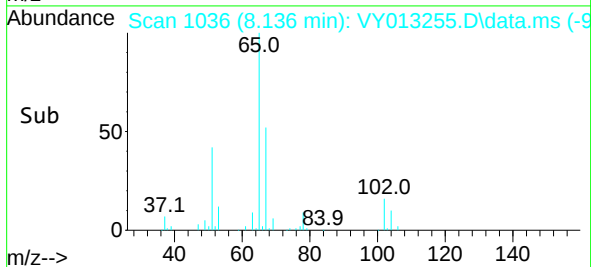
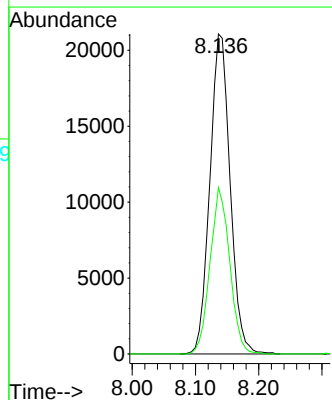
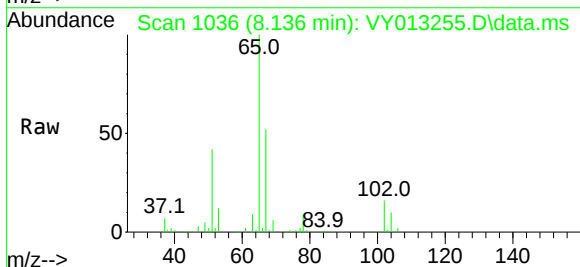
Instrument :
MSVOA_Y
ClientSampleId :
20230203-3-1

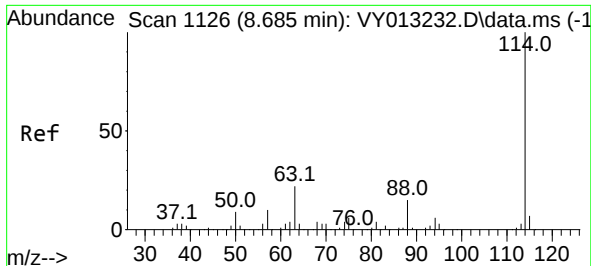
Tgt Ion: 56 Resp: 5110
Ion Ratio Lower Upper
56 100
69 79.4 25.7 38.5#
84 84.3 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 61.930 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Tgt Ion: 65 Resp: 46879
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013255.D

Acq: 11 Apr 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

20230203-3-1

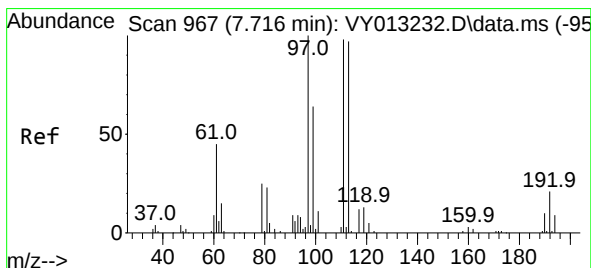
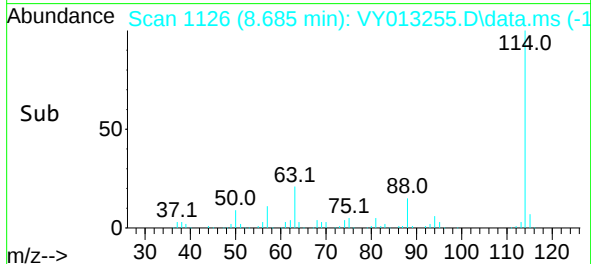
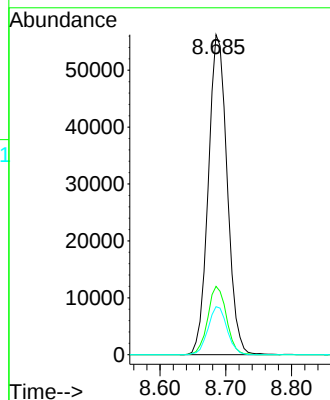
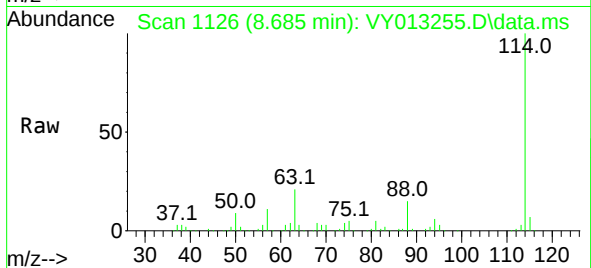
Tgt Ion:114 Resp: 112066

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

88 15.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 54.682 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013255.D

Acq: 11 Apr 2023 20:07

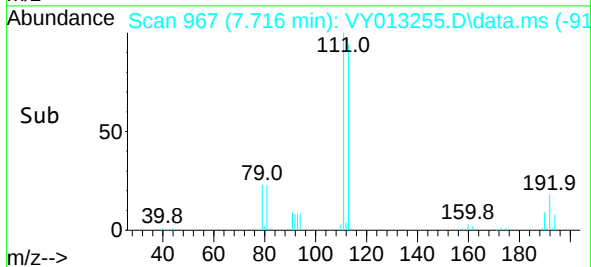
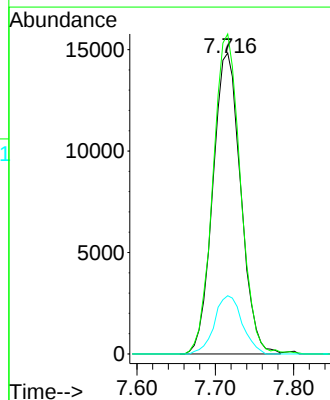
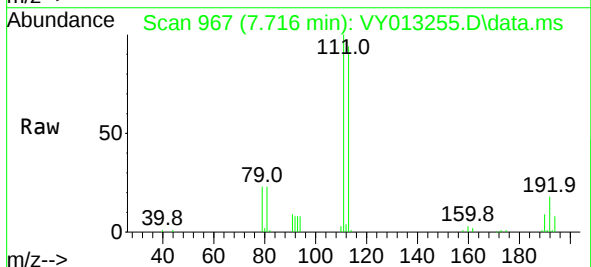
Tgt Ion:113 Resp: 36630

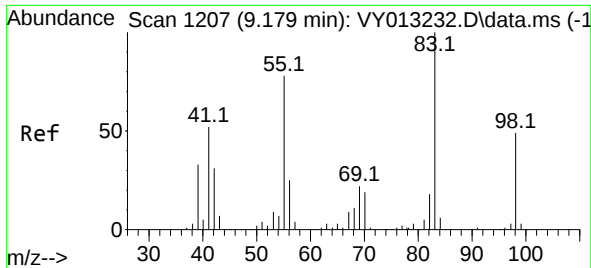
Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 19.3 16.8 25.2

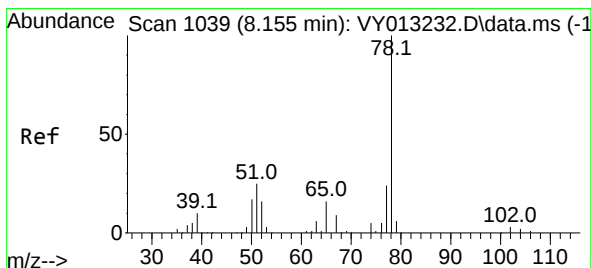
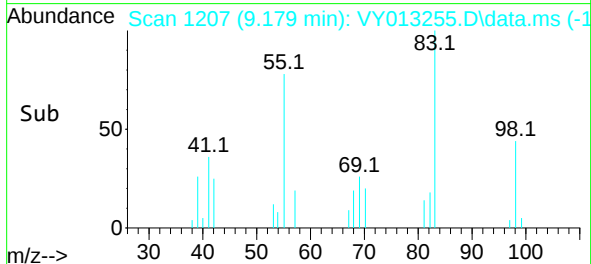
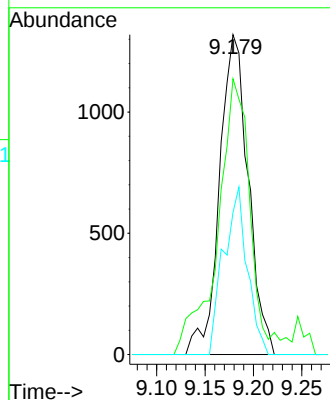
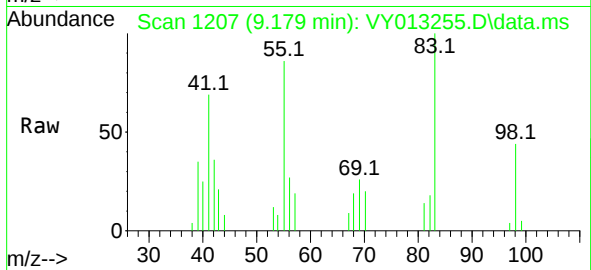




#39
Methylcyclohexane
Concen: 2.808 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

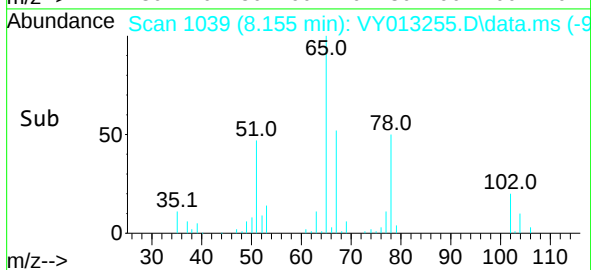
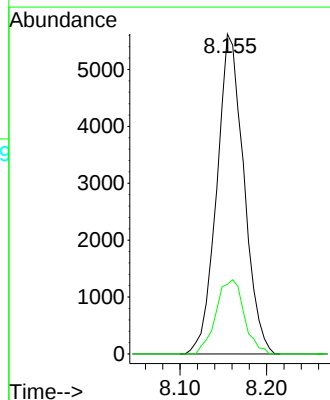
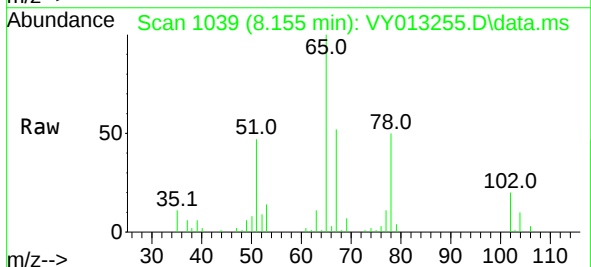
Instrument :
MSVOA_Y
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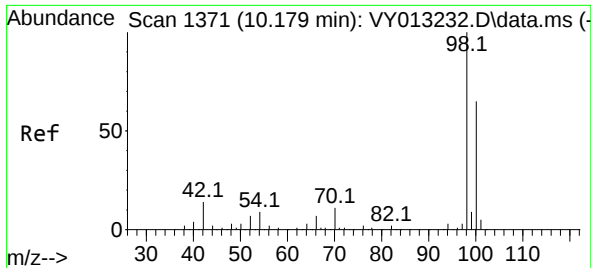
Tgt Ion: 83 Resp: 2719
Ion Ratio Lower Upper
83 100
55 81.8 60.0 90.0
98 44.4 38.3 57.5



#40
Benzene
Concen: 4.501 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Tgt Ion: 78 Resp: 12215
Ion Ratio Lower Upper
78 100
77 21.8 19.4 29.0

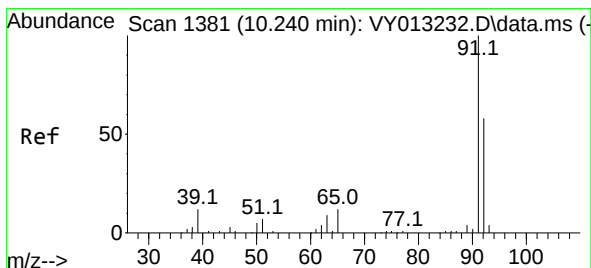
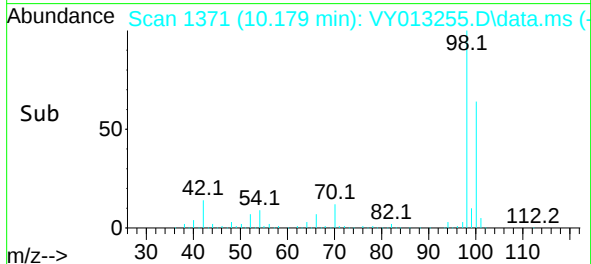
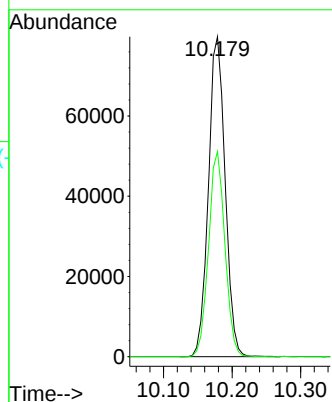
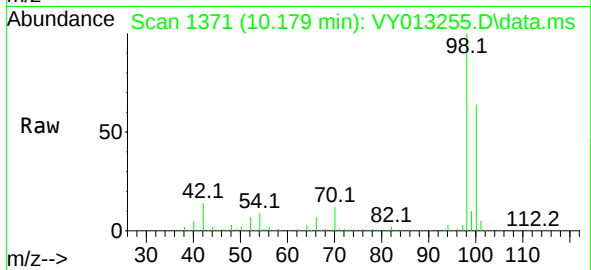




#50
Toluene-d8
Concen: 57.639 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

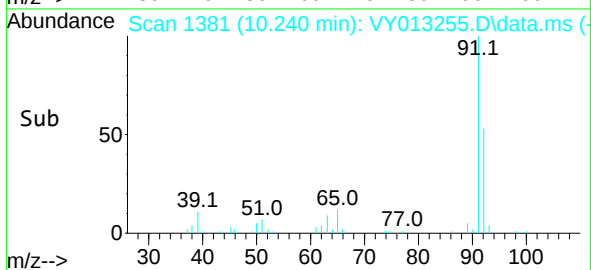
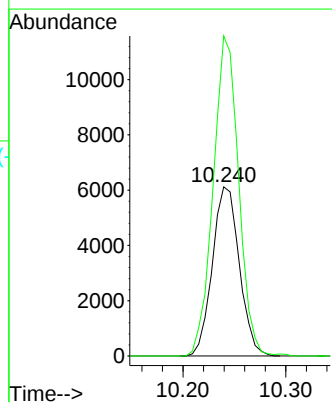
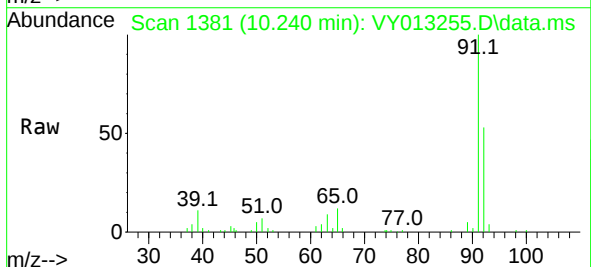
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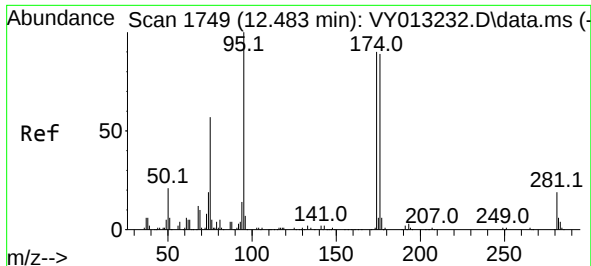
Tgt Ion: 98 Resp: 135182
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#52
Toluene
Concen: 6.526 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY013255.D
Acq: 11 Apr 2023 20:07

Tgt Ion: 92 Resp: 11106
Ion Ratio Lower Upper
92 100
91 179.5 141.3 211.9





#62

4-Bromofluorobenzene

Concen: 48.587 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013255.D

Acq: 11 Apr 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

20230203-3-1

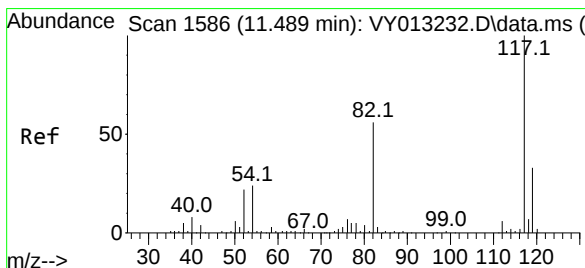
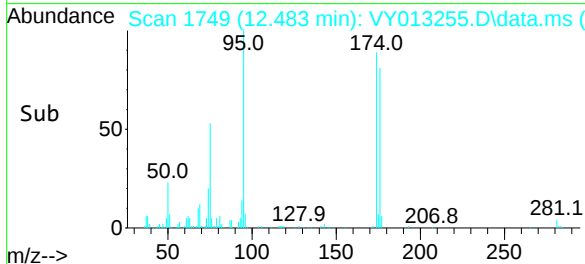
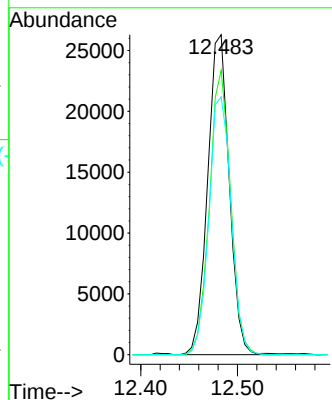
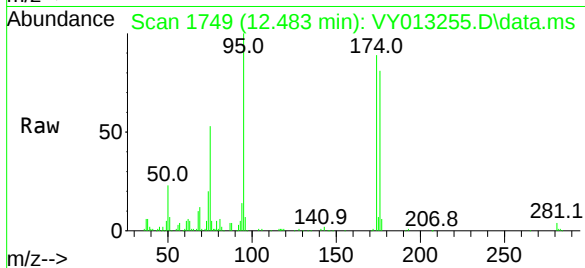
Tgt Ion: 95 Resp: 40692

Ion Ratio Lower Upper

95 100

174 87.6 0.0 176.6

176 83.2 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013255.D

Acq: 11 Apr 2023 20:07

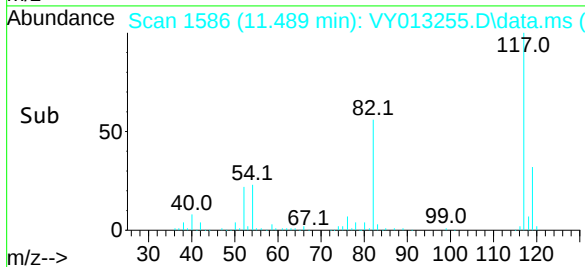
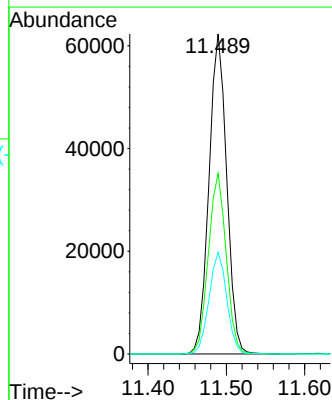
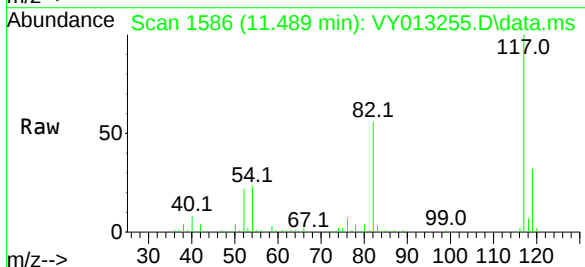
Tgt Ion: 117 Resp: 97721

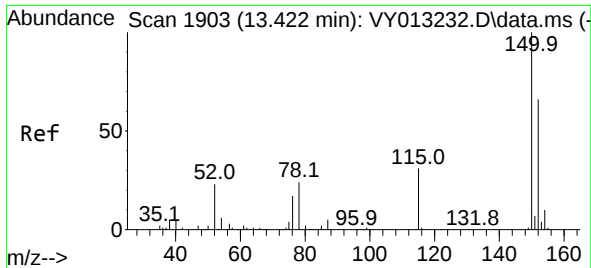
Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.0

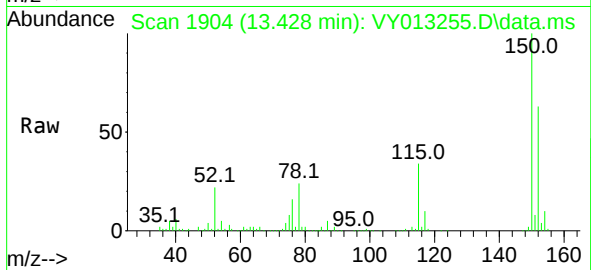
119 31.8 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY013255.D
 Acq: 11 Apr 2023 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230203-3-1



Tgt Ion:152 Resp: 44582
 Ion Ratio Lower Upper
 152 100
 115 57.5 27.1 81.3
 150 156.3 0.0 347.8

