

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022078.D
 Acq On : 30 Apr 2025 13:11
 Operator : SY/MD
 Sample : Q1912-07
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-F-VOC

Quant Time: May 01 01:35:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

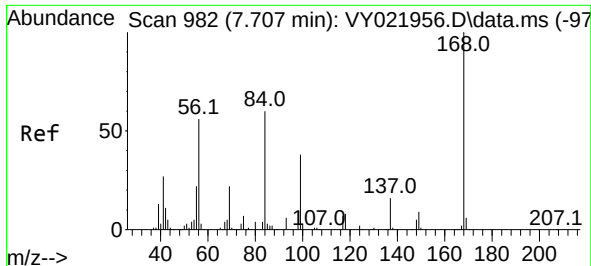
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	293533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	553614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	505208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	204649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154078	56.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.660%
35) Dibromofluoromethane	7.634	113	193917	53.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.040%
50) Toluene-d8	10.103	98	670048	48.594	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.402	95	192563	41.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.960%
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	914	Below Cal	#	79
31) Cyclohexane	7.707	56	5413	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21607	4.398	ug/l #	47
38) Carbon Tetrachloride	7.707	117	28877	4.919	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2298	1.294	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	92449	52.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	92449	127.006	ug/l #	16
95) Naphthalene	15.145	128	18165	3.153	ug/l	98

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

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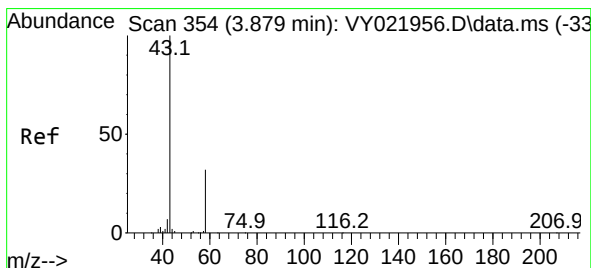
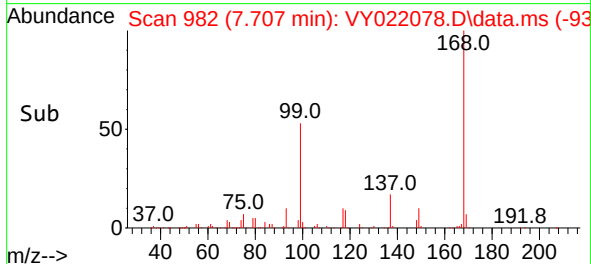
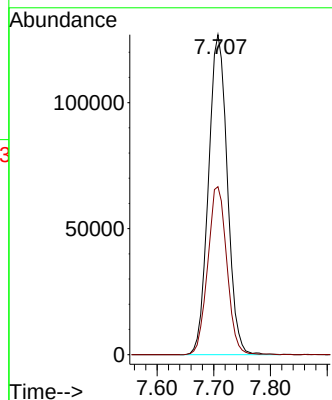
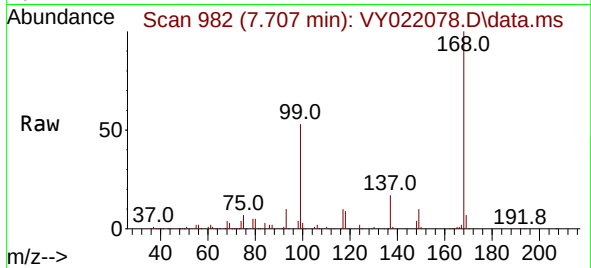




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

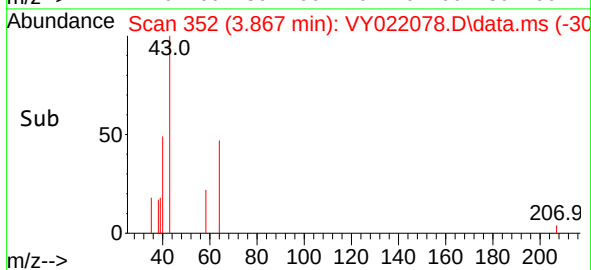
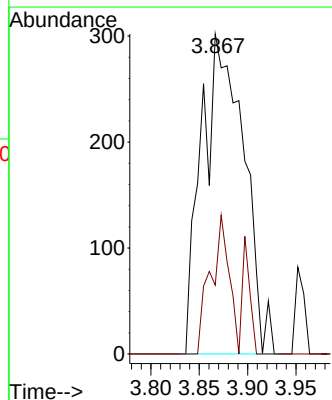
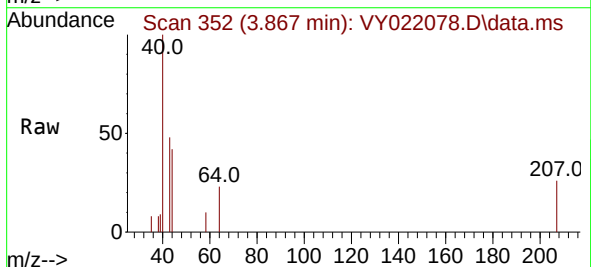
Instrument :
MSVOA_Y
ClientSampleId :
MH-F-VOC

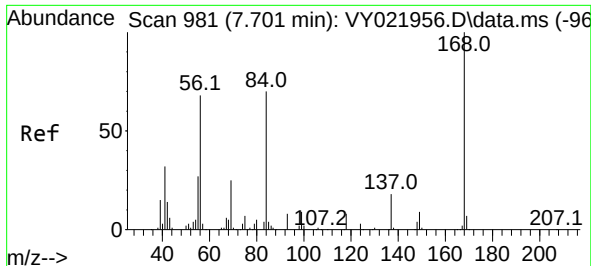
Tgt Ion:168 Resp: 293533
Ion Ratio Lower Upper
168 100
99 52.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 21.5 27.0 40.4#

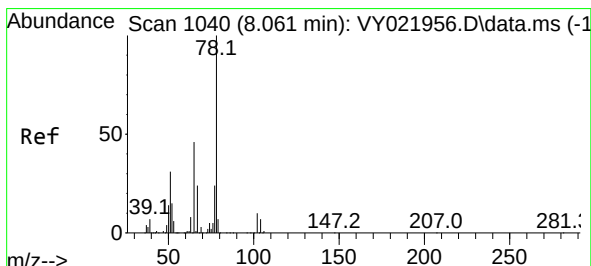
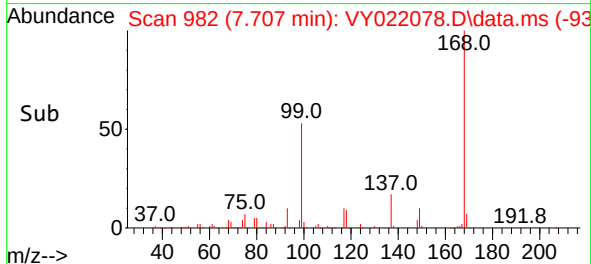
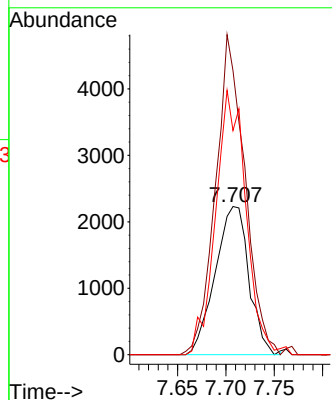
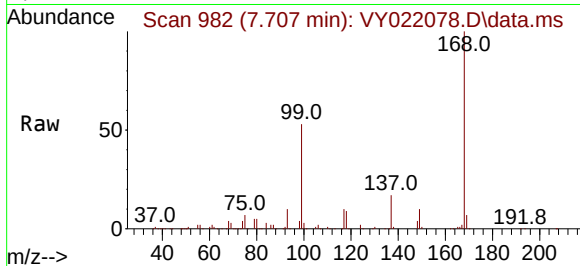




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

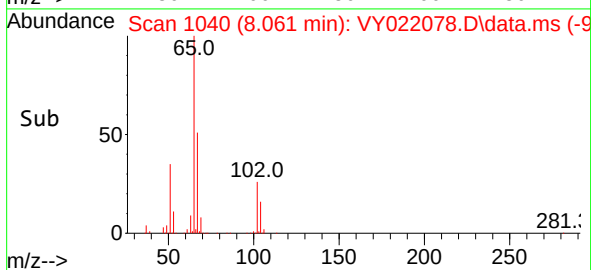
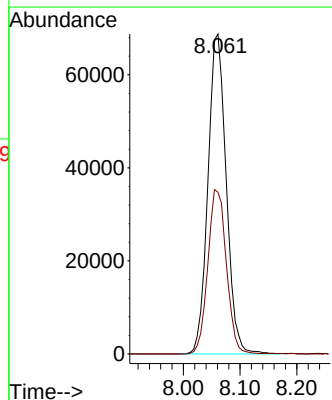
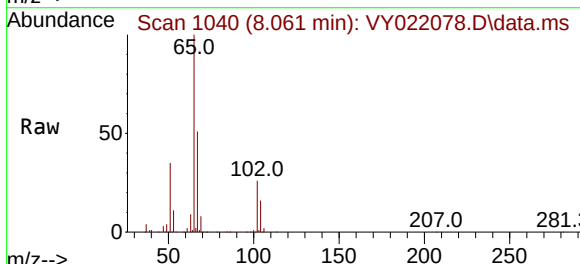
Instrument :
MSVOA_Y
ClientSampleId :
MH-F-VOC

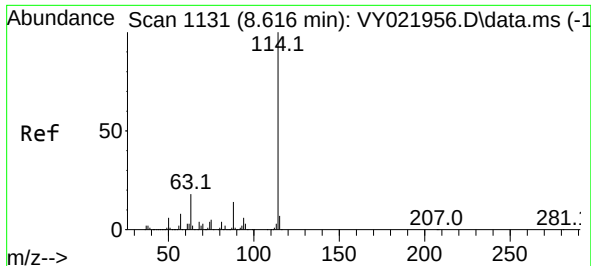
Tgt Ion: 56 Resp: 5413
Ion Ratio Lower Upper
56 100
69 191.7 29.4 44.2#
84 151.3 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 56.828 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion: 65 Resp: 154078
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

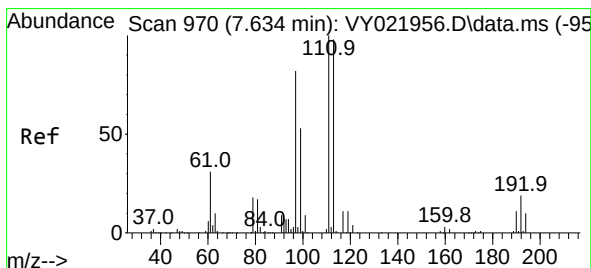
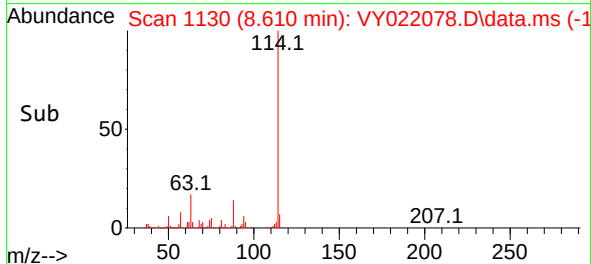
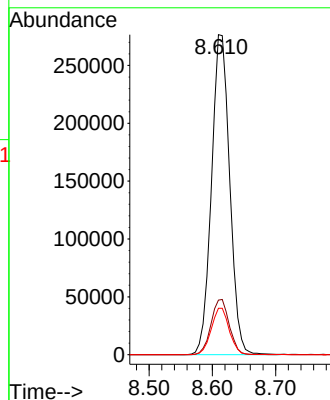
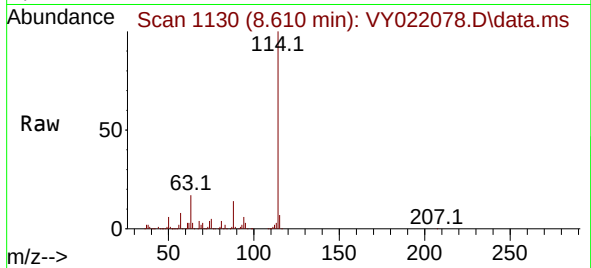




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

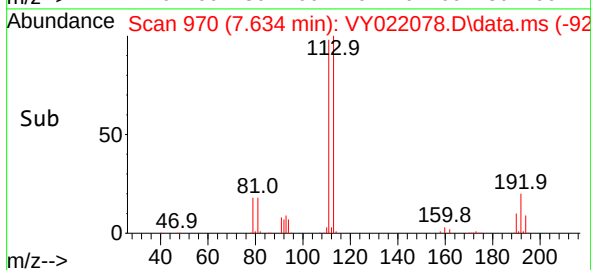
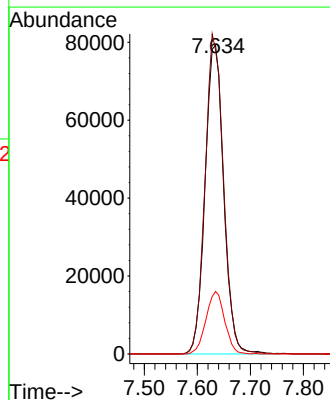
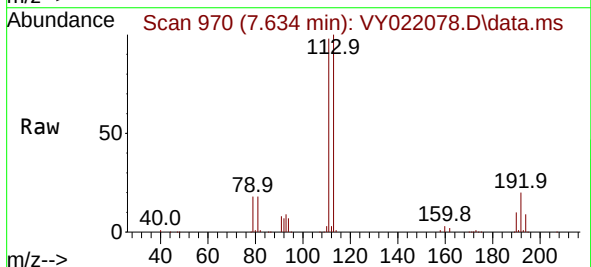
Instrument :
MSVOA_Y
ClientSampleId :
MH-F-VOC

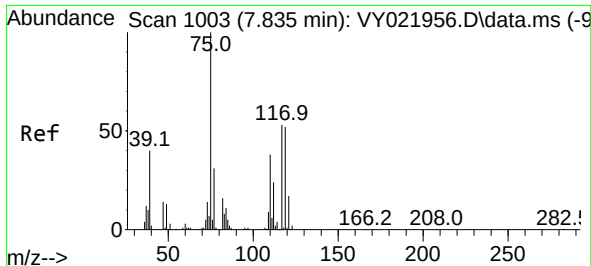
Tgt Ion:114 Resp: 553614
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 53.019 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion:113 Resp: 193917
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 20.2 15.6 23.4

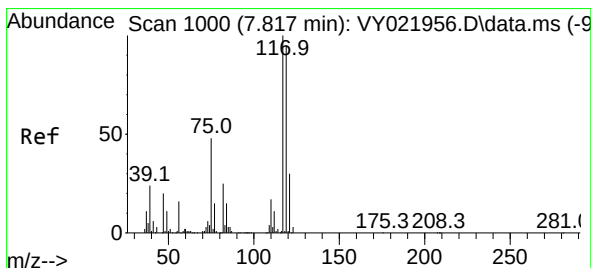
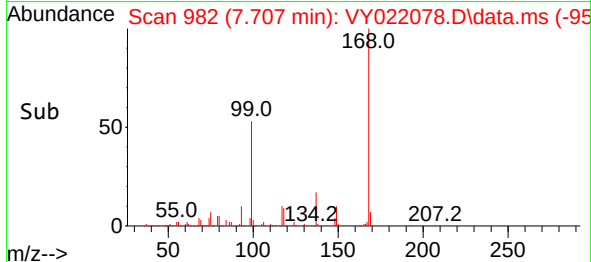
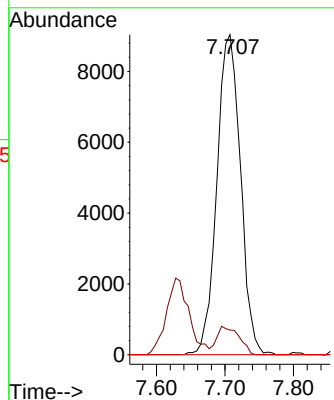
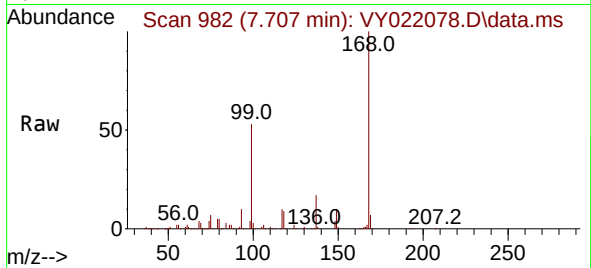




#36
 1,1-Dichloropropene
 Concen: 4.398 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022078.D
 Acq: 30 Apr 2025 13:11

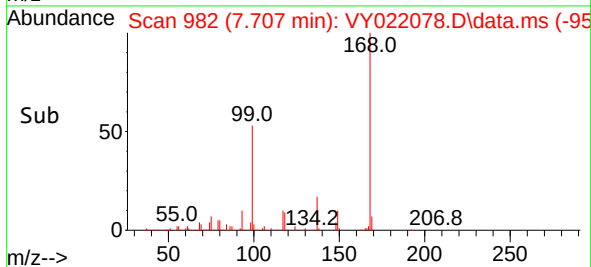
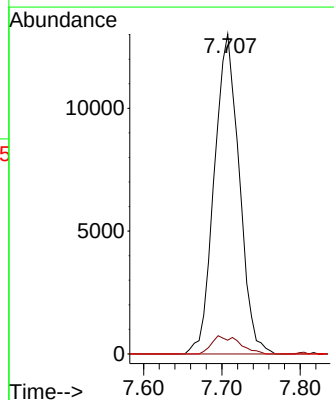
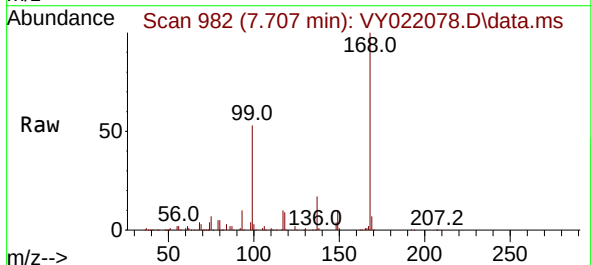
Instrument :
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 ClientSampleId :
 MH-F-VOC

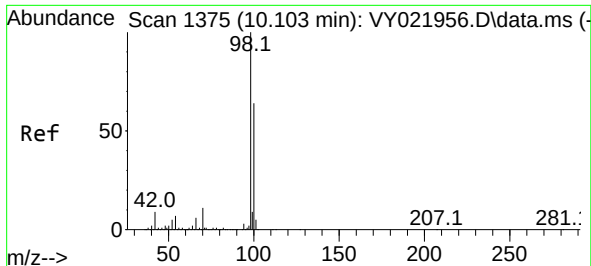
Tgt Ion: 75 Resp: 21607
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.919 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022078.D
 Acq: 30 Apr 2025 13:11

Tgt Ion: 117 Resp: 28877
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.4#
 121 0.0 24.0 36.0#

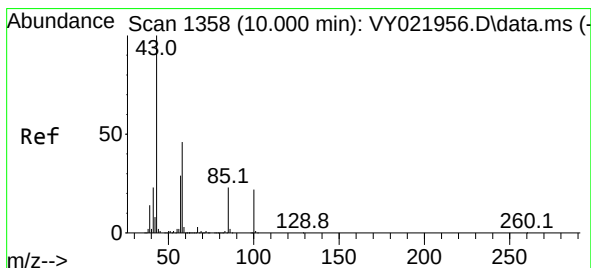
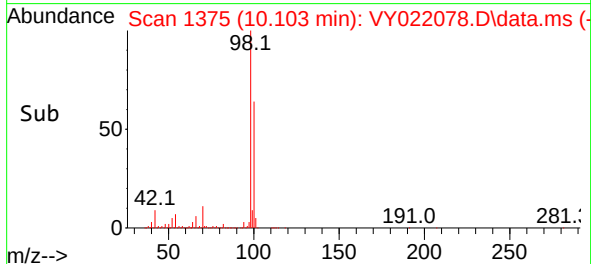
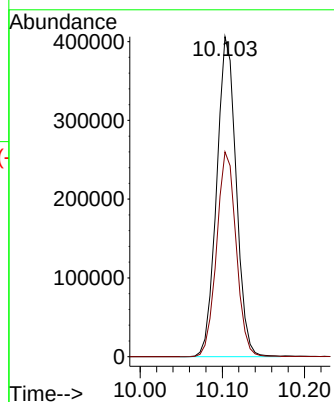
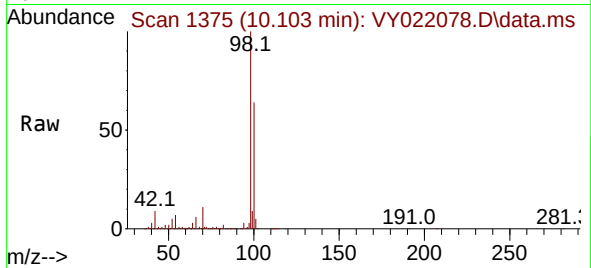




#50
Toluene-d8
Concen: 48.594 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

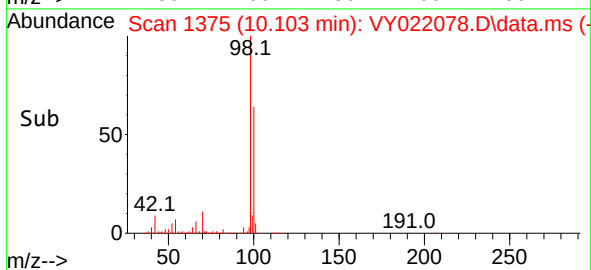
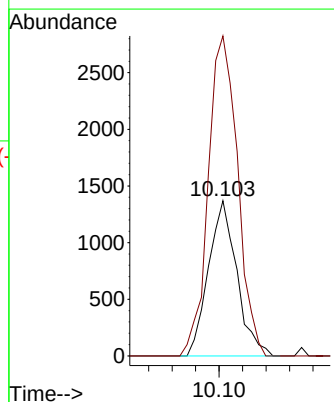
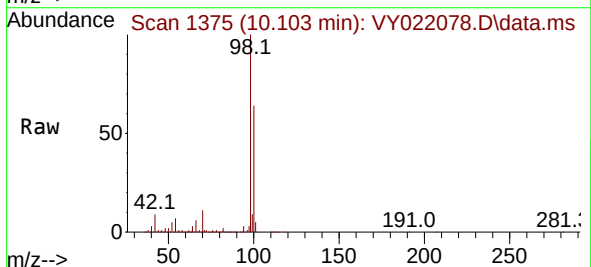
Instrument :
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ClientSampleId :
MH-F-VOC

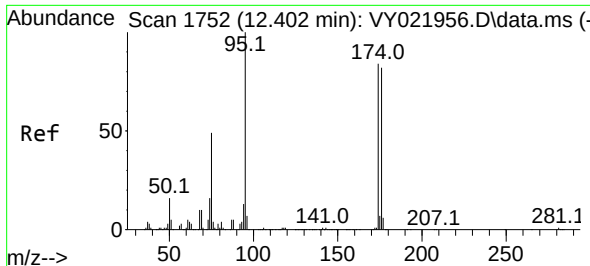
Tgt Ion: 98 Resp: 670048
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
58 213.7 36.6 55.0#

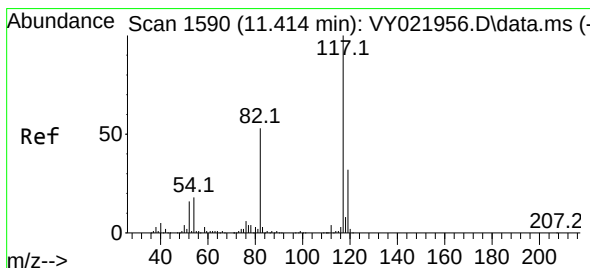
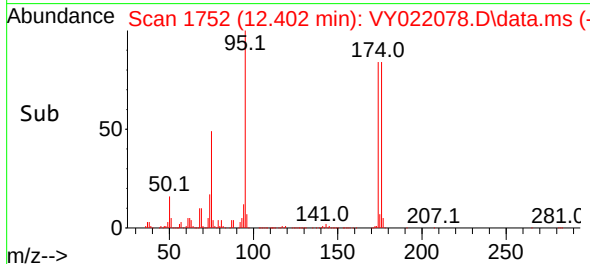
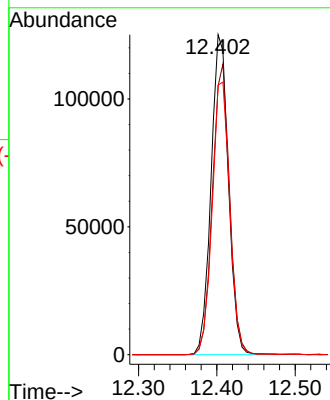
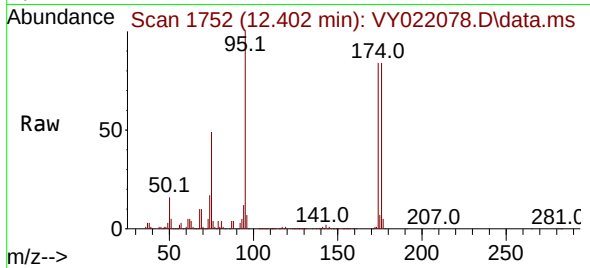




#62
4-Bromofluorobenzene
Concen: 41.484 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

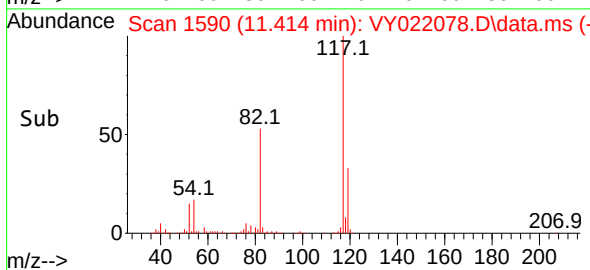
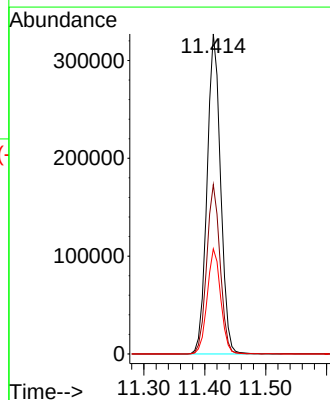
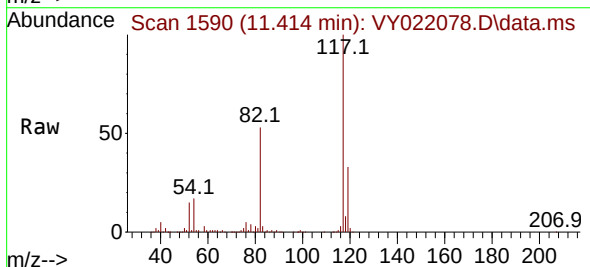
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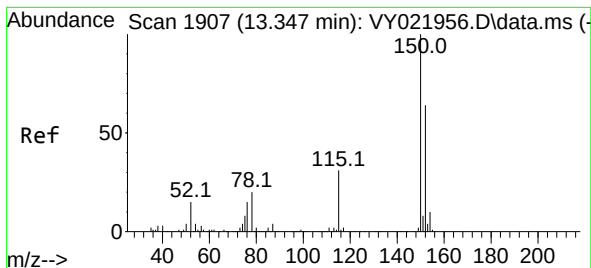
Tgt Ion: 95 Resp: 192563
Ion Ratio Lower Upper
95 100
174 90.2 0.0 179.0
176 86.5 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion: 117 Resp: 505208
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022078.D

Acq: 30 Apr 2025 13:11

Instrument :

MSVOA_Y

ClientSampleId :

MH-F-VOC

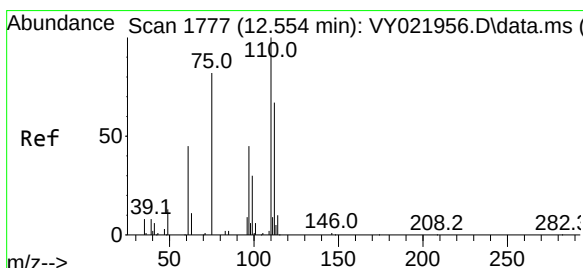
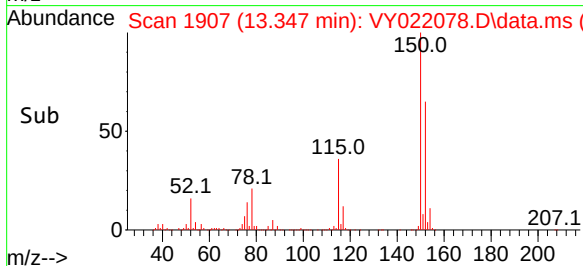
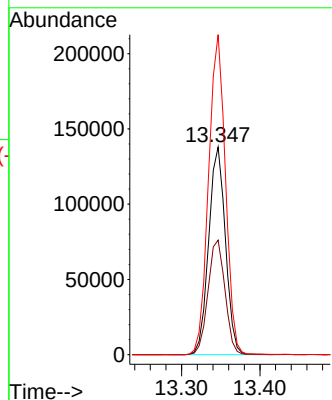
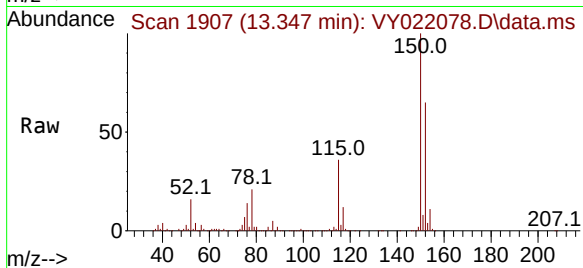
Tgt Ion:152 Resp: 204649

Ion Ratio Lower Upper

152 100

115 56.1 28.0 84.0

150 155.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 52.740 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022078.D

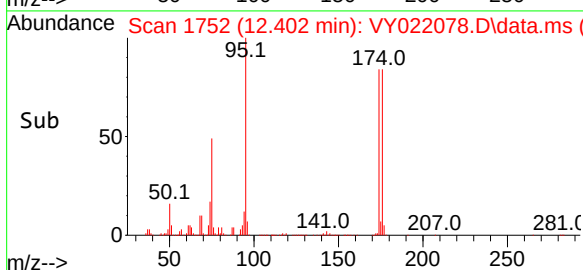
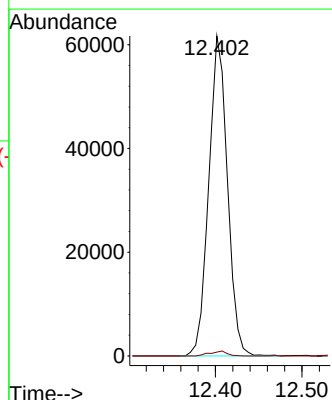
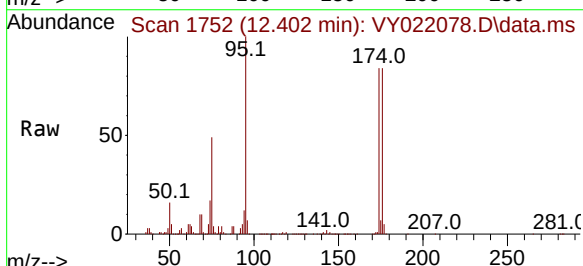
Acq: 30 Apr 2025 13:11

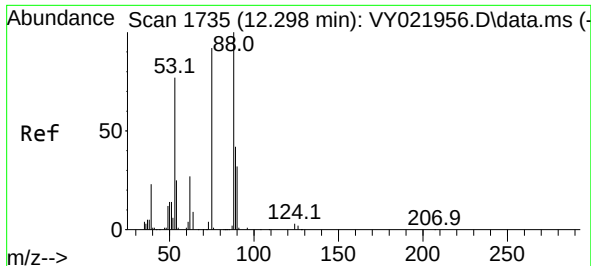
Tgt Ion: 75 Resp: 92449

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

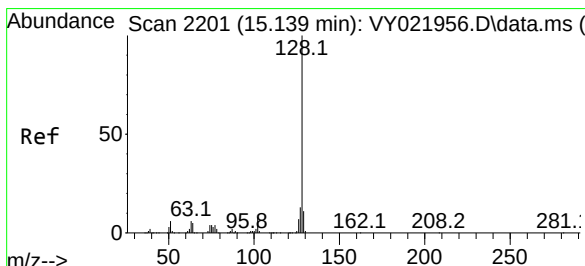
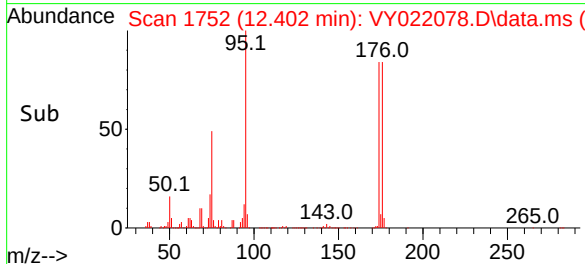
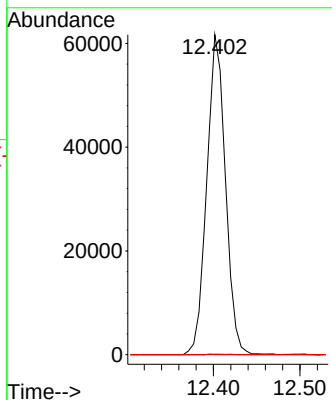
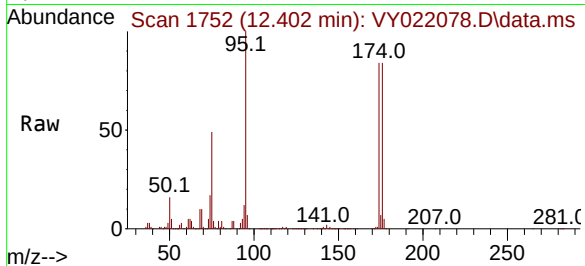




#81
trans-1,4-Dichloro-2-butene
Concen: 127.006 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
MH-F-VOC

Tgt Ion: 75 Resp: 92449
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.153 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY022078.D
Acq: 30 Apr 2025 13:11

Tgt Ion:128 Resp: 18165
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 11.3 8.9 13.3

