

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022152.D
 Acq On : 05 May 2025 12:24
 Operator : SY/MD
 Sample : Q1951-03
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-KK-VOC

Quant Time: May 06 05:51:01 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)

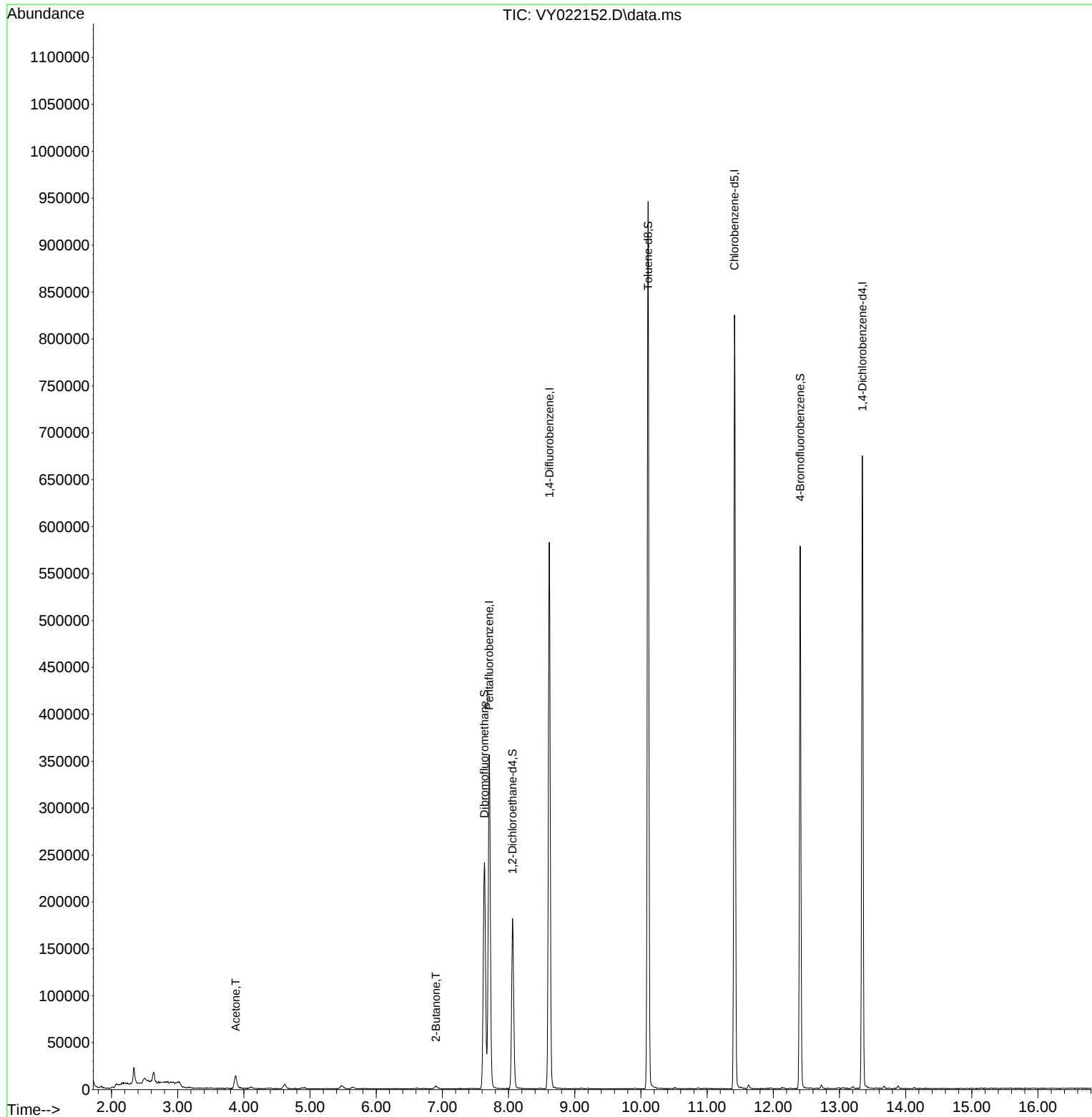
Internal Standards						
1) Pentafluorobenzene	7.707	168	271142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	513724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	455150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137711	54.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.980%	
35) Dibromofluoromethane	7.634	113	172043	50.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.380%	
50) Toluene-d8	10.109	98	620017	48.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.920%	
62) 4-Bromofluorobenzene	12.407	95	176761	41.037	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.878	43	24281	57.633	ug/l	95
25) 2-Butanone	6.902	43	5190	9.091	ug/l	96

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

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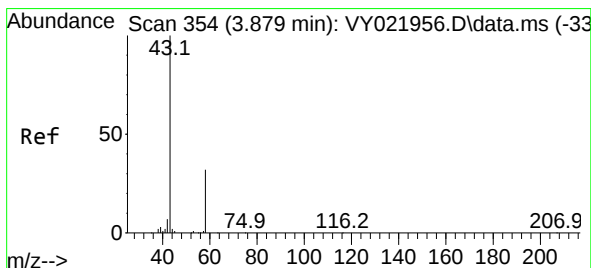
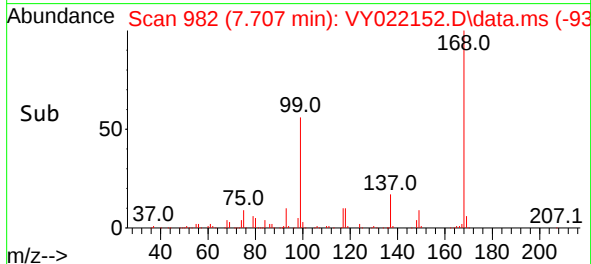
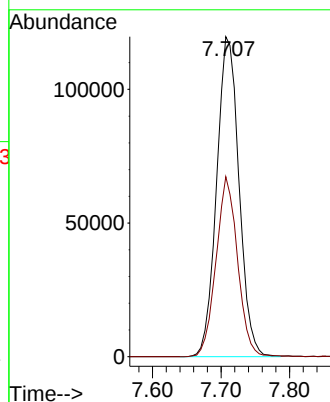
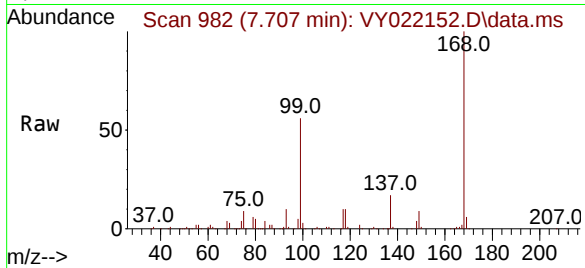




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

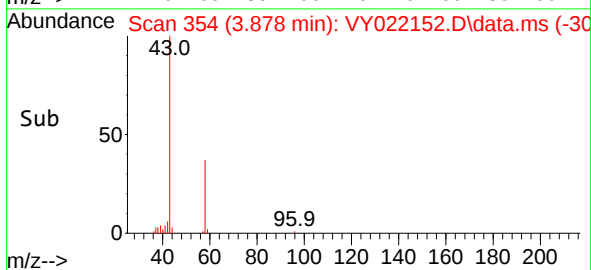
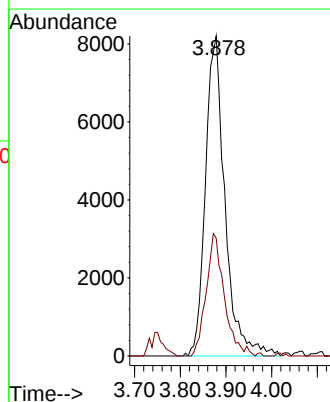
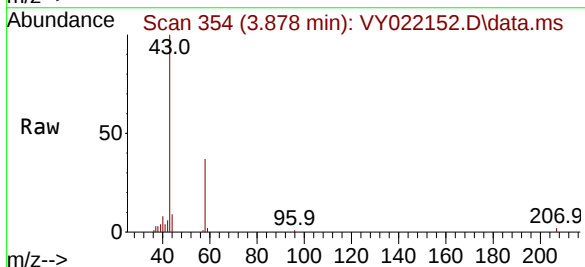
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

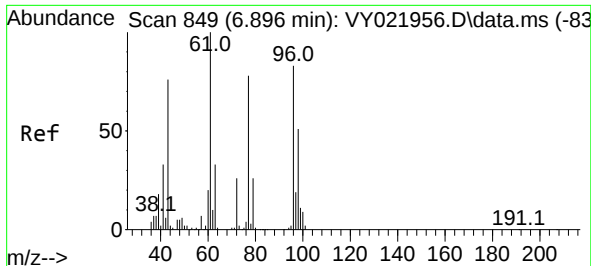
Tgt Ion:168 Resp: 271142
Ion Ratio Lower Upper
168 100
99 56.2 43.1 64.7



#16
Acetone
Concen: 57.633 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.001 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 43 Resp: 24281
Ion Ratio Lower Upper
43 100
58 36.8 27.0 40.4





#25

2-Butanone

Concen: 9.091 ug/l

RT: 6.902 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022152.D

Acq: 05 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

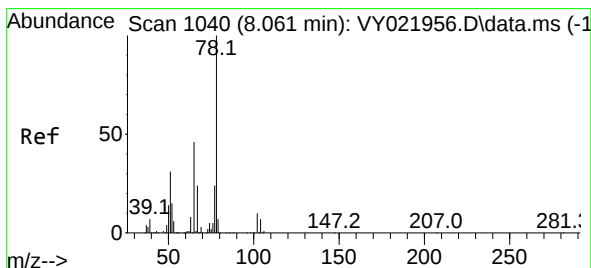
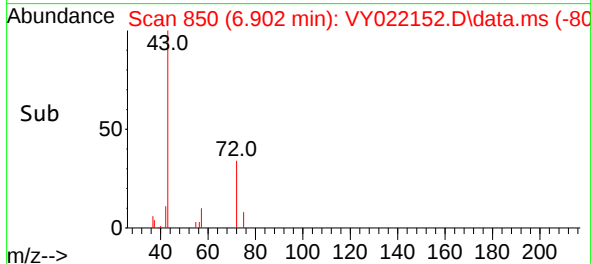
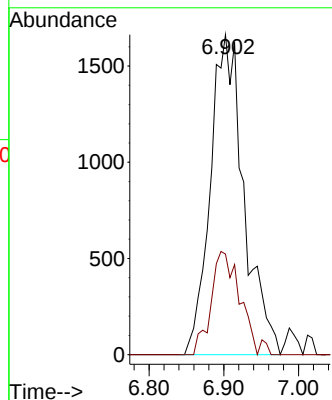
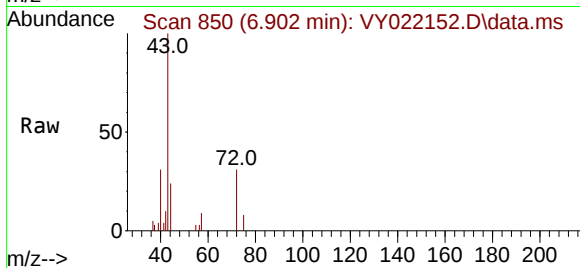
MH-KK-VOC

Tgt Ion: 43 Resp: 5190

Ion Ratio Lower Upper

43 100

72 31.4 27.0 40.4



#33

1,2-Dichloroethane-d4

Concen: 54.986 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022152.D

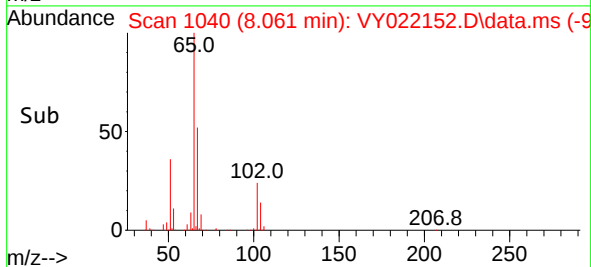
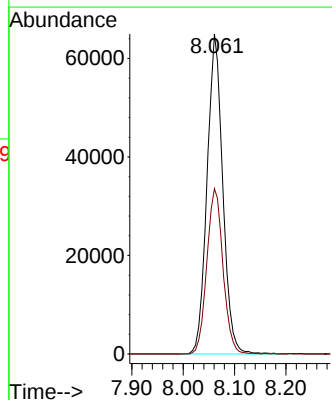
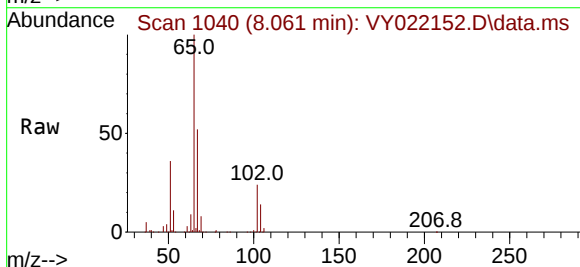
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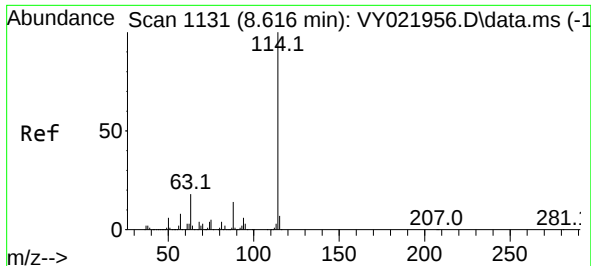
Tgt Ion: 65 Resp: 137711

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8

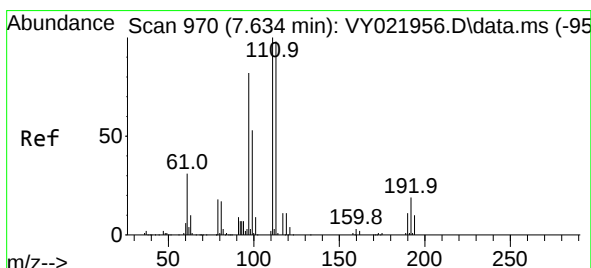
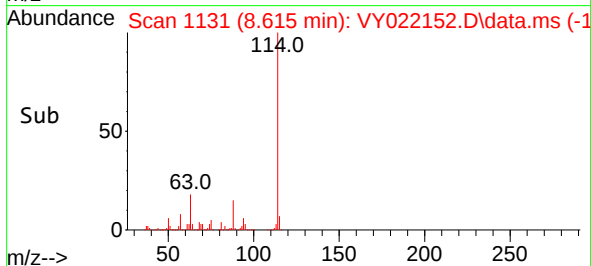
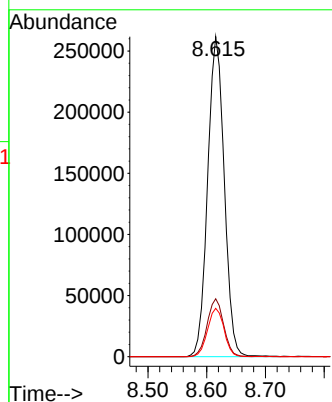
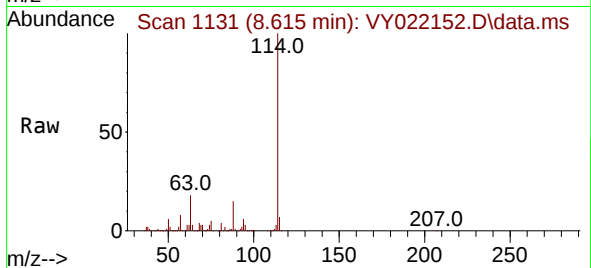




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

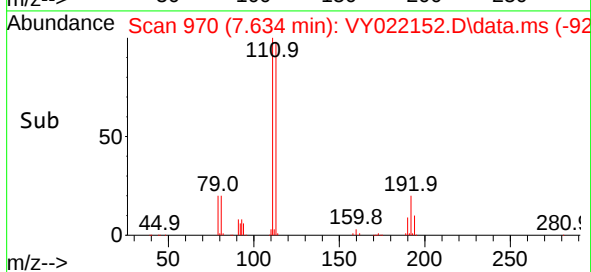
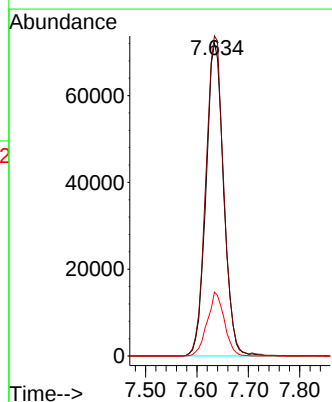
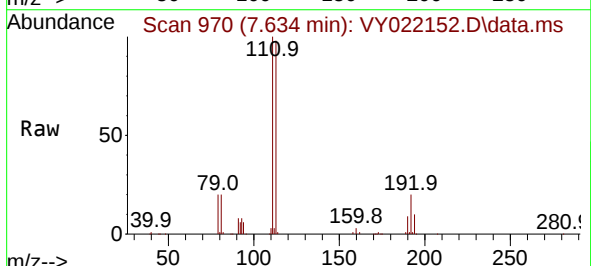
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

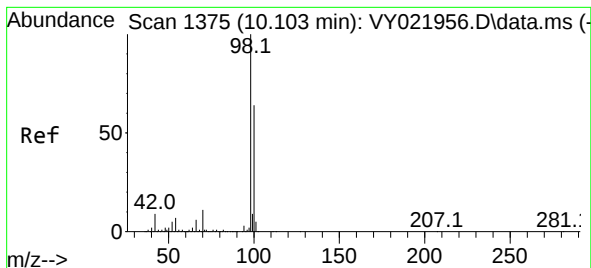
Tgt Ion:114 Resp: 513724
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.4
88 15.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.691 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion:113 Resp: 172043
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.8 15.6 23.4

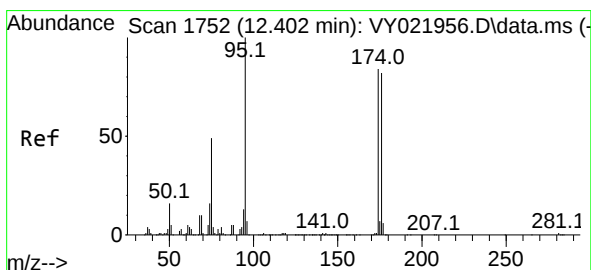
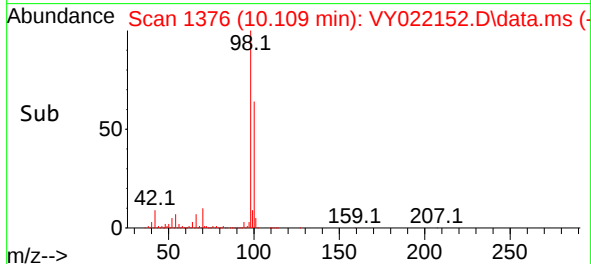
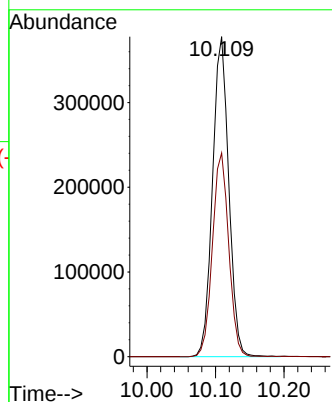
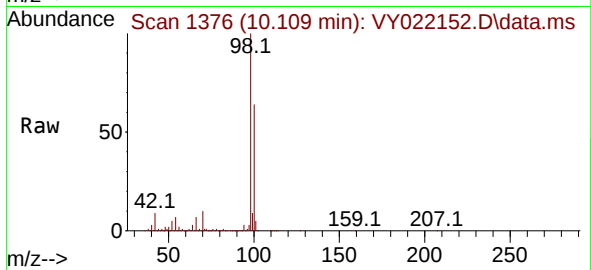




#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

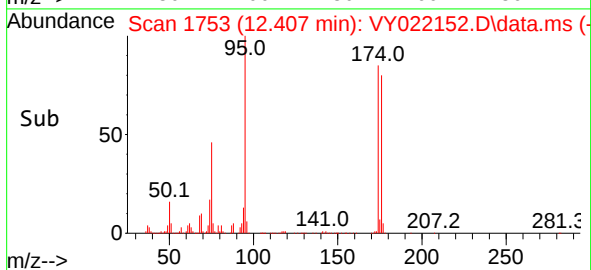
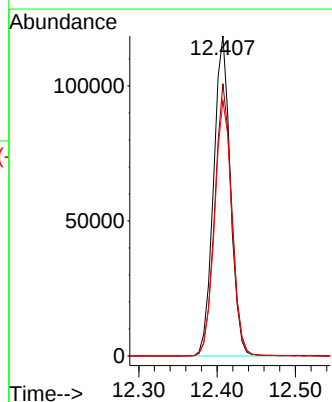
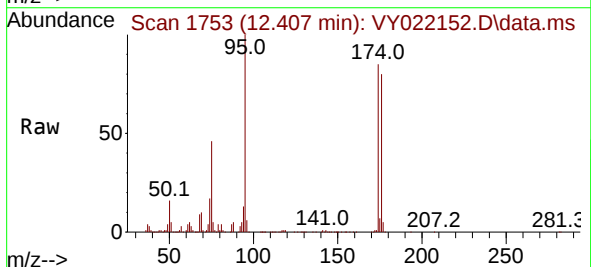
Instrument :
MSVOA_Y
ClientSampleId :
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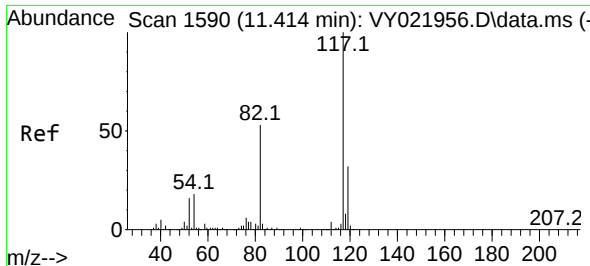
Tgt Ion: 98 Resp: 620017
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.037 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 95 Resp: 176761
Ion Ratio Lower Upper
95 100
174 86.1 0.0 179.0
176 82.3 0.0 171.8

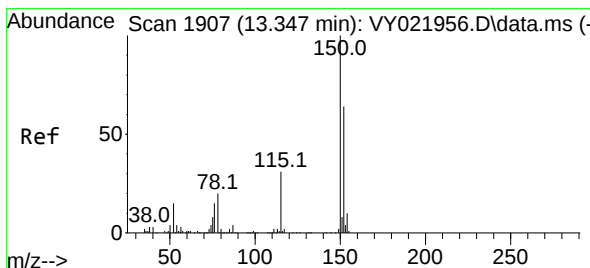
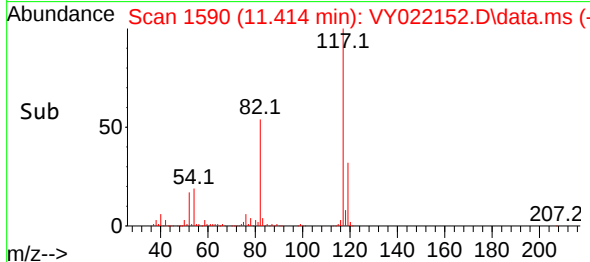
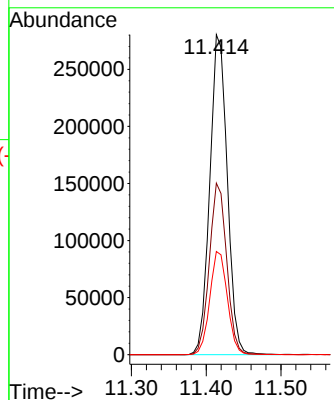
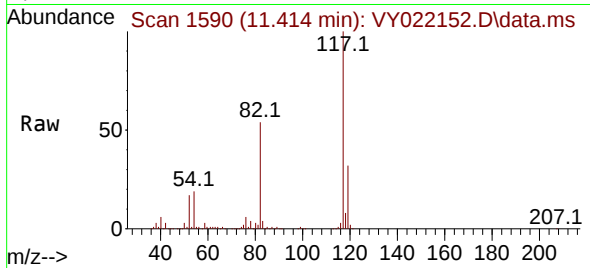




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

Tgt Ion:117 Resp: 455150
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion:152 Resp: 172170
Ion Ratio Lower Upper
152 100
115 57.4 28.0 84.0
150 158.9 0.0 345.6

