

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022367.D
 Acq On : 21 May 2025 15:08
 Operator : SY/MD
 Sample : Q2097-15
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

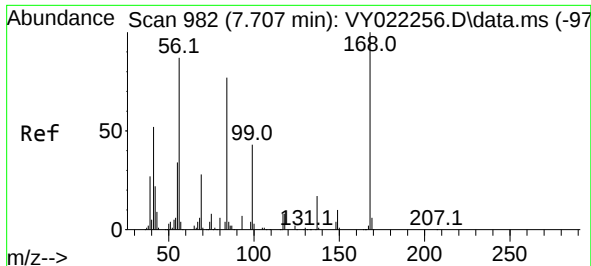
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12013

Quant Time: May 22 00:11:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	258237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	453870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	133171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125432	44.443	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.880%
35) Dibromofluoromethane	7.646	113	132078	48.756	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.115	98	541628	48.818	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	136962	38.947	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.900%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.623	84	3674	1.074	ug/l #	84
31) Cyclohexane	7.713	56	6669	1.168	ug/l #	16
36) 1,1-Dichloropropene	7.713	75	21407	4.798	ug/l #	52
38) Carbon Tetrachloride	7.713	117	26629	5.766	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	80171	59.423	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80171	120.376	ug/l #	12

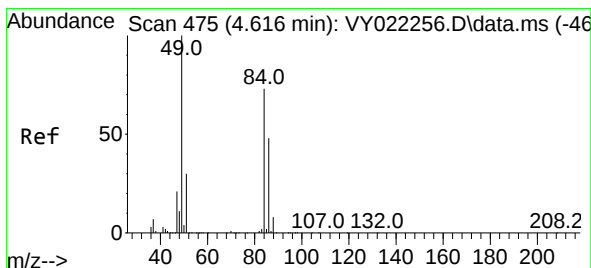
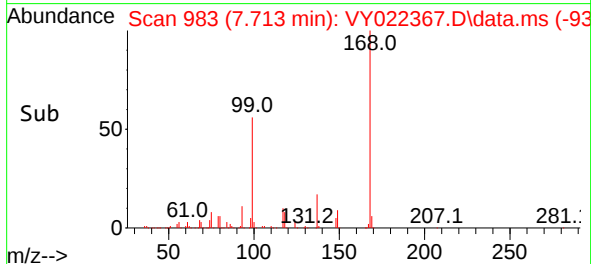
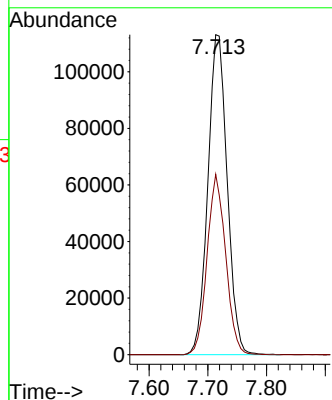
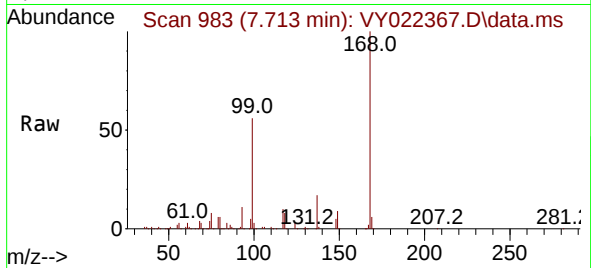
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

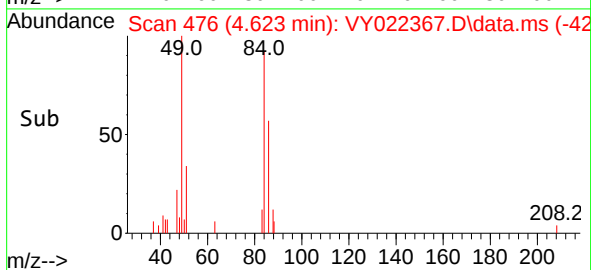
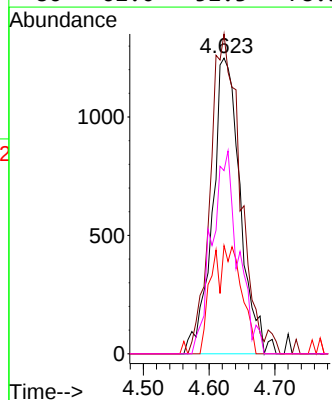
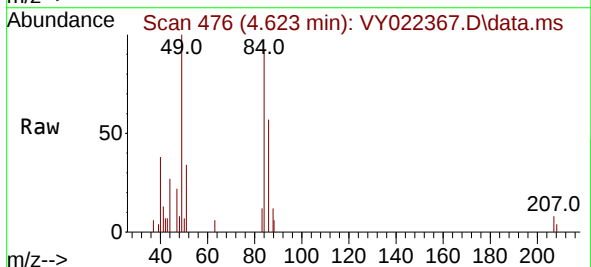
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

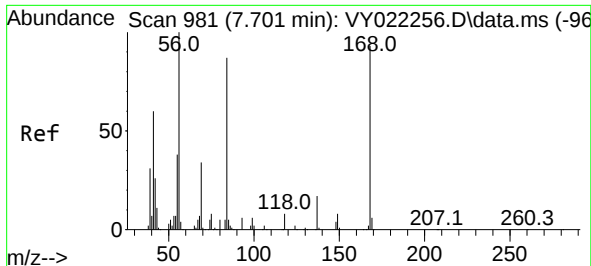
Tgt Ion:168 Resp: 258237
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#20
Methylene Chloride
Concen: 1.074 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion: 84 Resp: 3674
Ion Ratio Lower Upper
84 100
49 108.2 109.6 164.4#
51 36.6 32.4 48.6
86 62.0 52.3 78.5

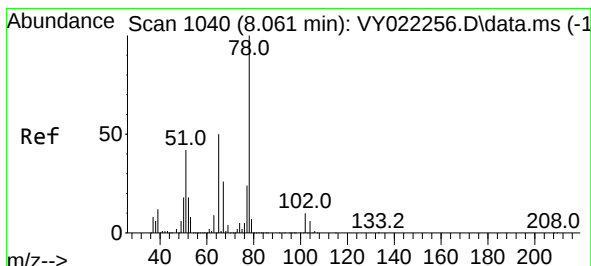
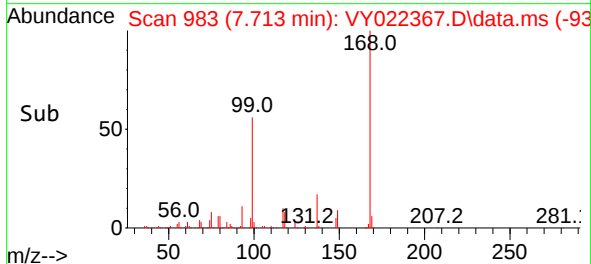
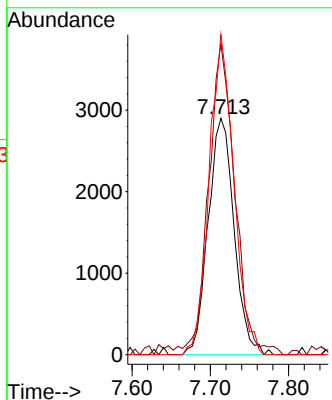
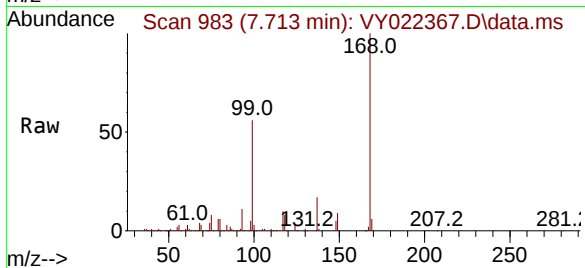




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

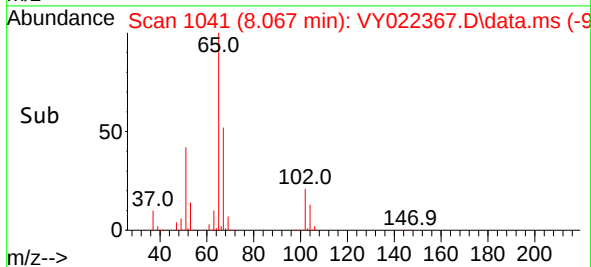
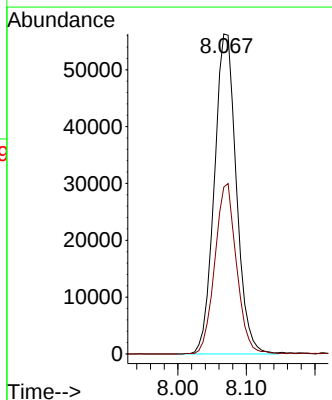
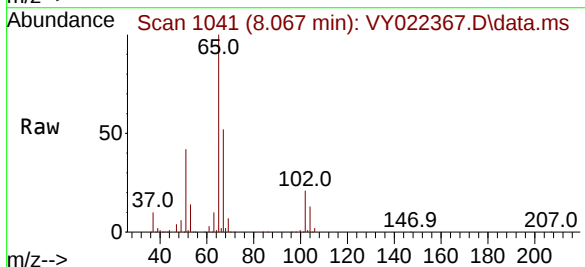
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

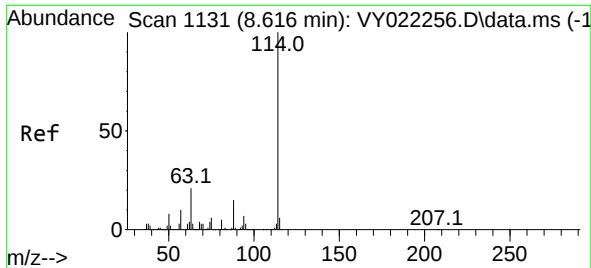
Tgt Ion: 56 Resp: 6669
Ion Ratio Lower Upper
56 100
69 129.3 27.4 41.2#
84 135.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 44.443 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion: 65 Resp: 125432
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

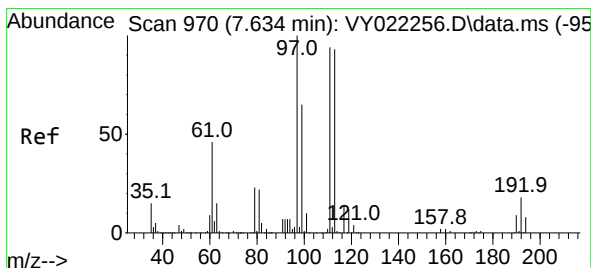
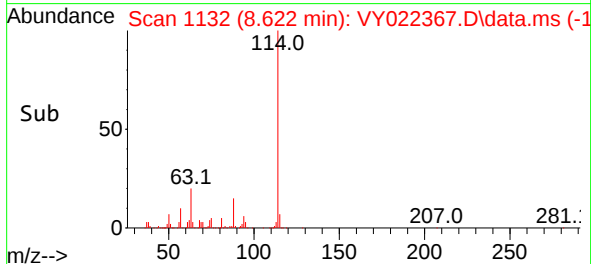
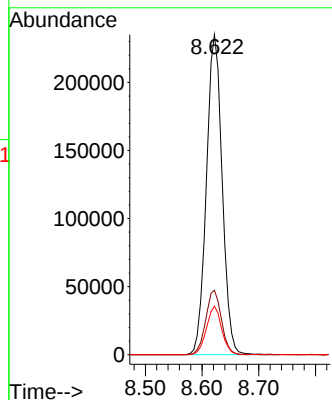
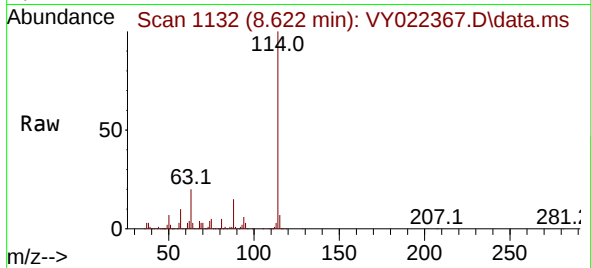




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

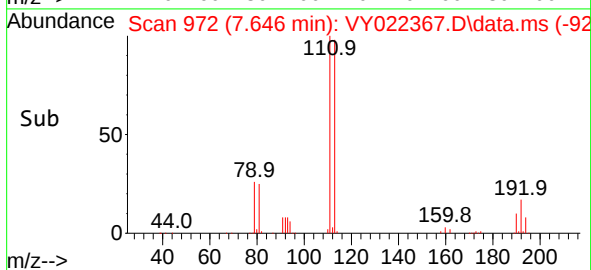
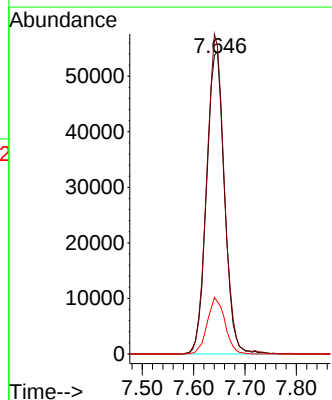
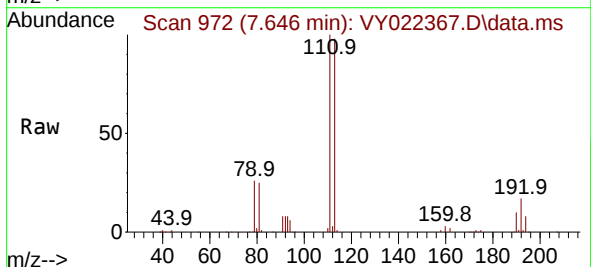
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

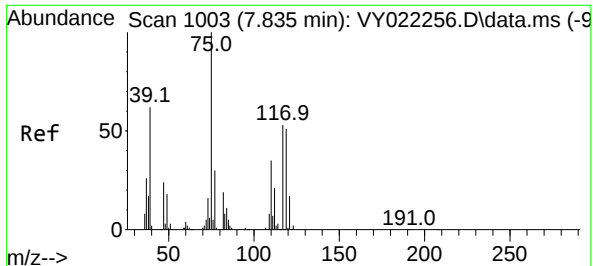
Tgt Ion:114 Resp: 453870
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.0
88 15.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.756 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion:113 Resp: 132078
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.798 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022367.D

Acq: 21 May 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

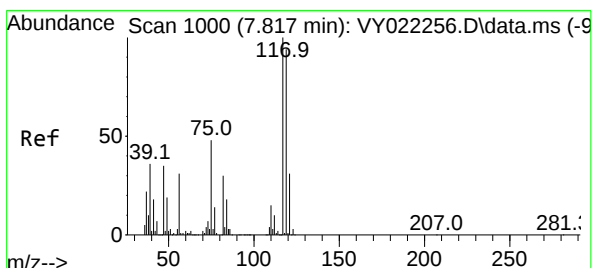
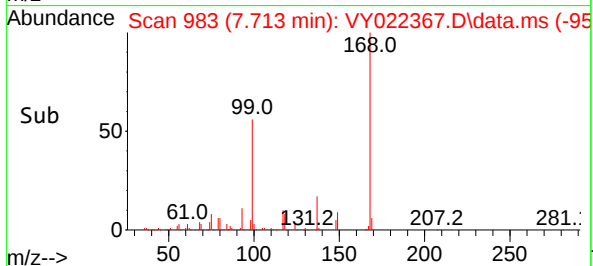
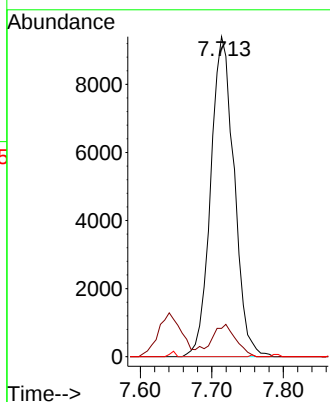
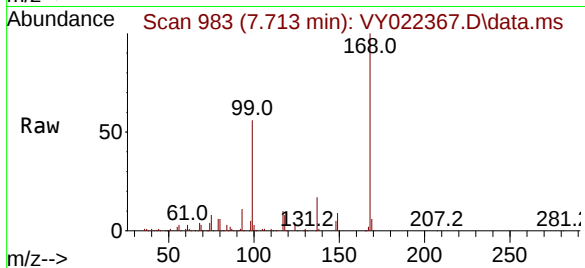
Tgt Ion: 75 Resp: 21407

Ion Ratio Lower Upper

75 100

110 10.6 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.766 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY022367.D

Acq: 21 May 2025 15:08

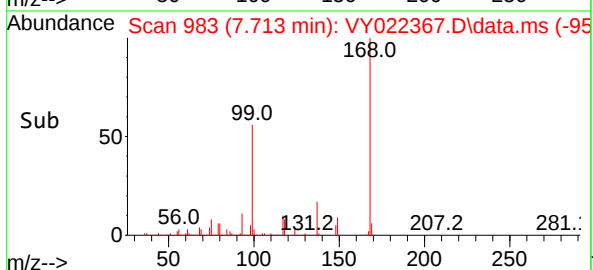
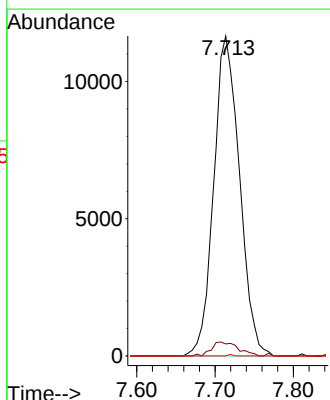
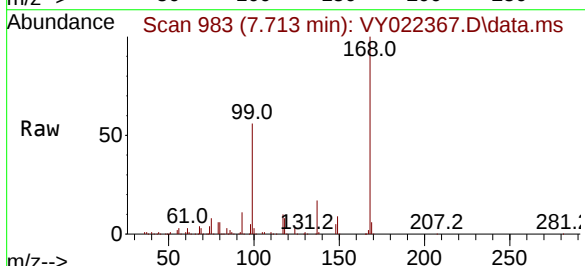
Tgt Ion: 117 Resp: 26629

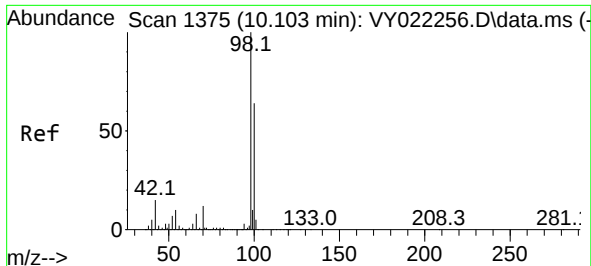
Ion Ratio Lower Upper

117 100

119 3.8 75.3 112.9#

121 0.0 24.7 37.1#

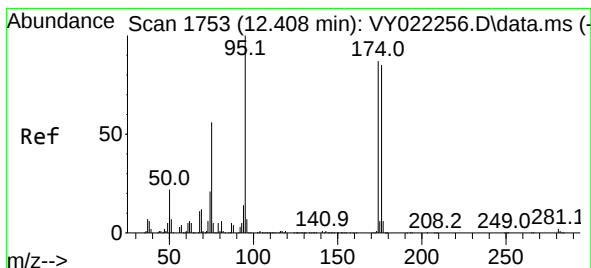
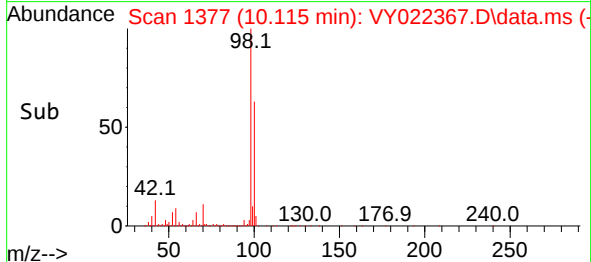
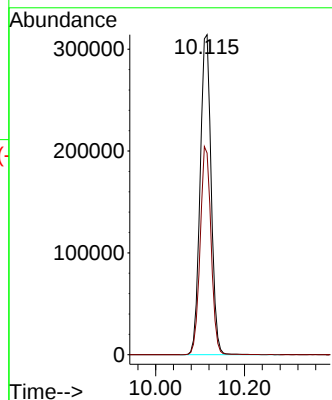
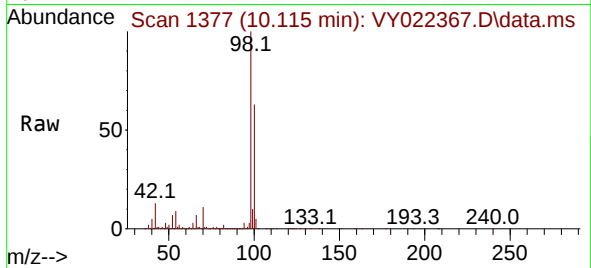




#50
Toluene-d8
Concen: 48.818 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

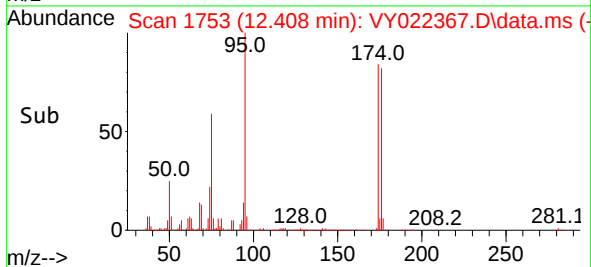
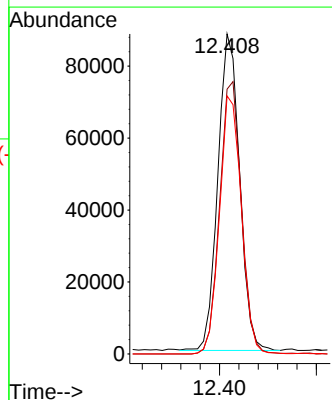
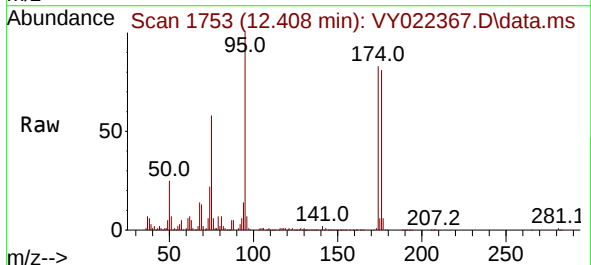
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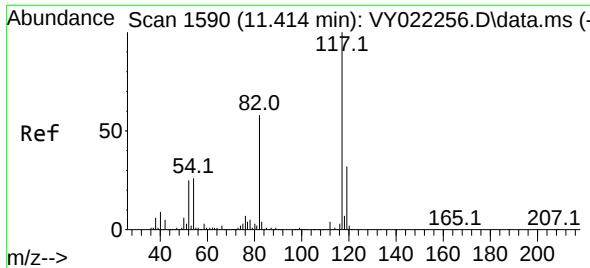
Tgt Ion: 98 Resp: 541628
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.947 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion: 95 Resp: 136962
Ion Ratio Lower Upper
95 100
174 86.6 0.0 166.8
176 82.1 0.0 160.8

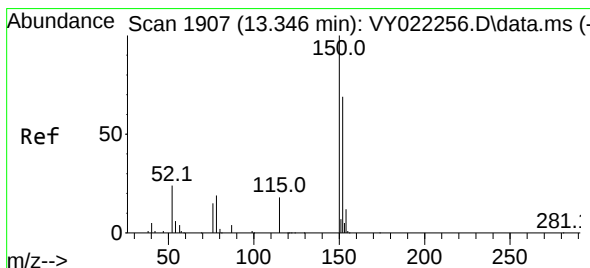
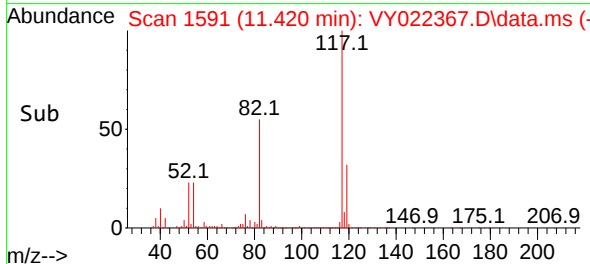
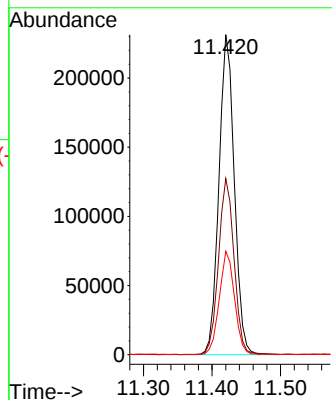
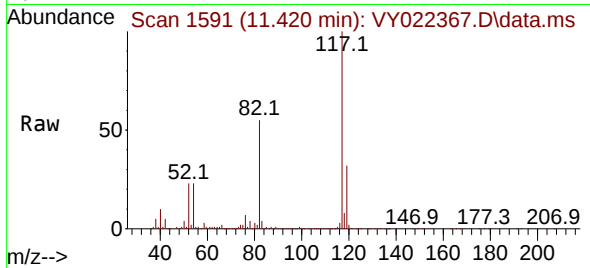




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

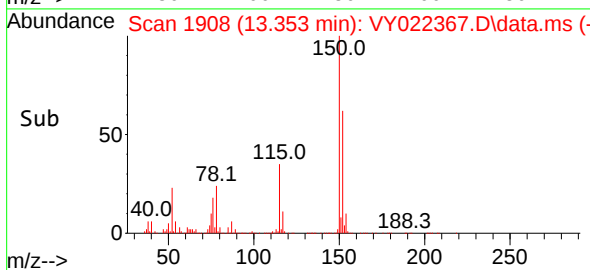
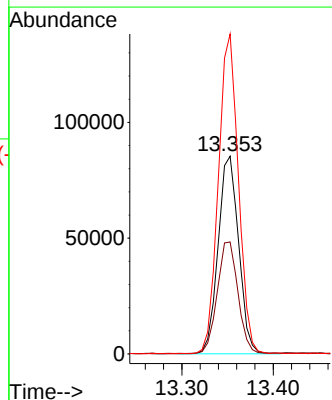
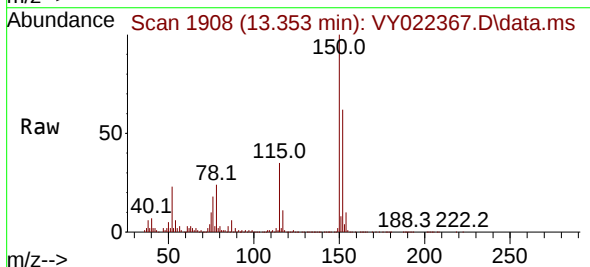
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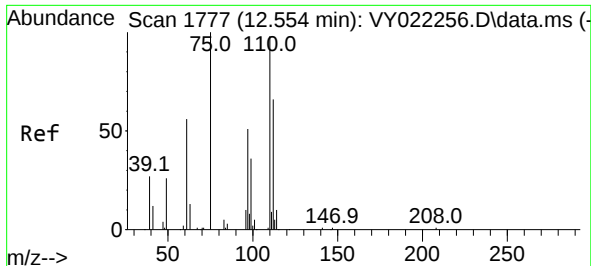
Tgt Ion:117 Resp: 359786
Ion Ratio Lower Upper
117 100
82 55.0 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion:152 Resp: 133171
Ion Ratio Lower Upper
152 100
115 56.9 29.4 88.2
150 157.7 0.0 353.8

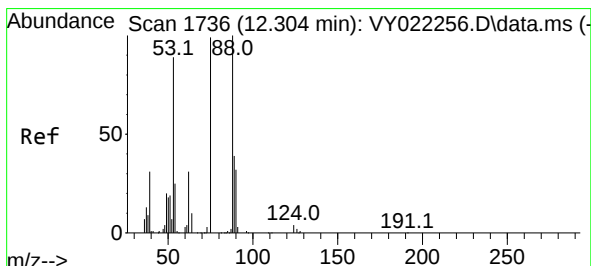
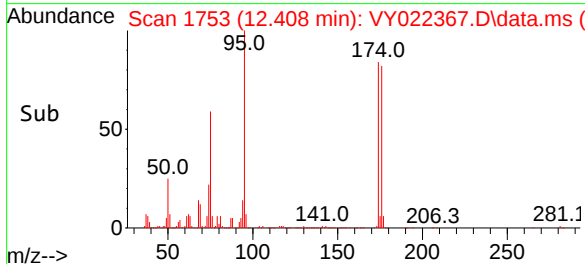
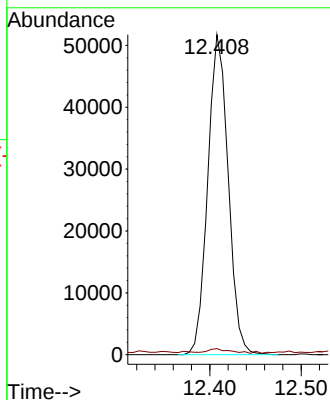
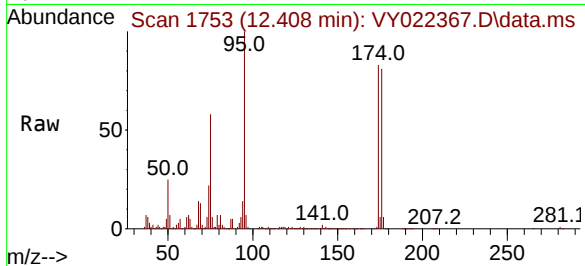




#76
1,2,3-Trichloropropane
Concen: 59.423 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Instrument :
MSVOA_Y
ClientSampleId :
72-12013

Tgt Ion: 75 Resp: 80171
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.376 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022367.D
Acq: 21 May 2025 15:08

Tgt Ion: 75 Resp: 80171
Ion Ratio Lower Upper
75 100
53 0.5 75.8 113.8#
89 0.0 36.2 54.2#

