

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023275.D
 Acq On : 03 Sep 2025 14:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 04 01:17:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

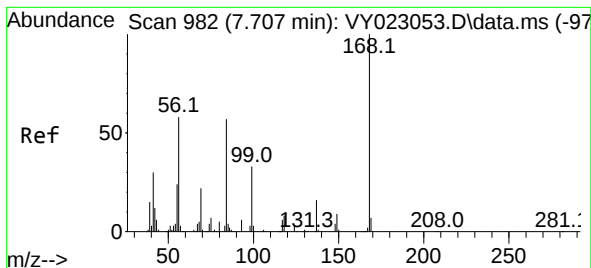
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	606309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1051883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	441148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	312633	54.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.200%	
35) Dibromofluoromethane	7.634	113	370722	53.723	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.440%	
50) Toluene-d8	10.109	98	1375830	51.036	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.408	95	414730	47.837	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.680%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.623	84	11895	Below Cal		95
31) Cyclohexane	7.707	56	11151	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43121	4.205	ug/l #	49
38) Carbon Tetrachloride	7.713	117	58020	5.209	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	205792	48.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	205792	117.006	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023275.D

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ClientSampleId :

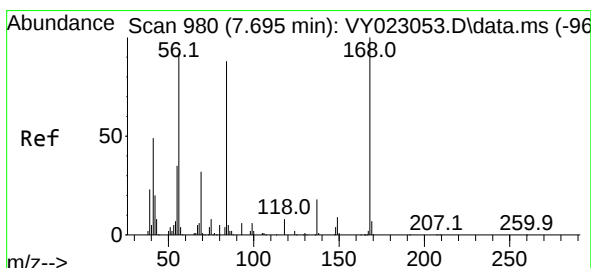
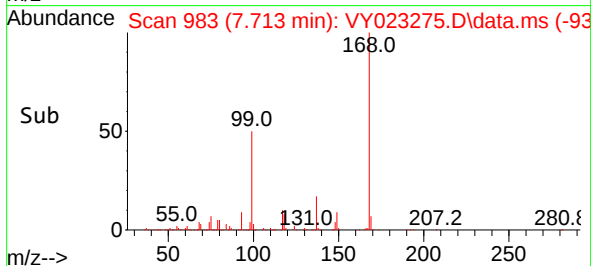
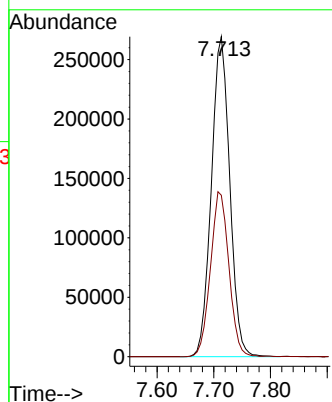
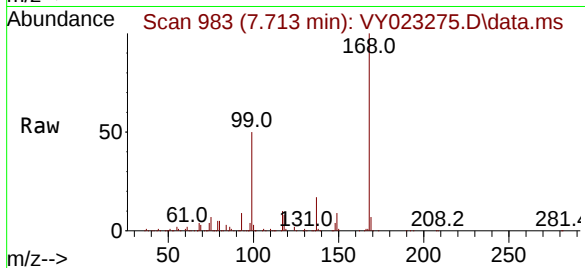
VIBLK

Tgt Ion:168 Resp: 606309

Ion Ratio Lower Upper

168 100

99 50.5 42.8 64.2



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023275.D

Acq: 03 Sep 2025 14:56

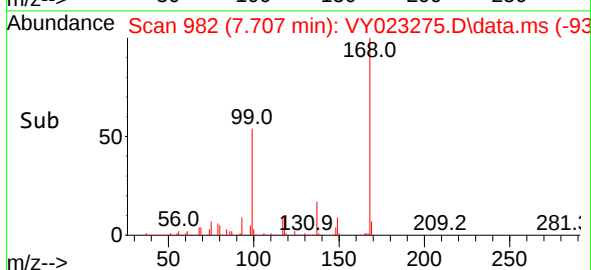
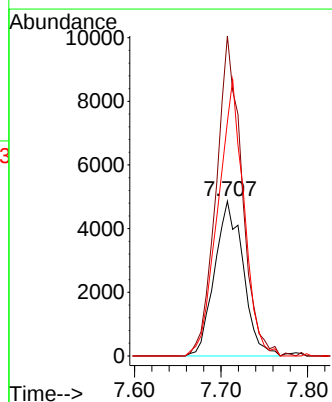
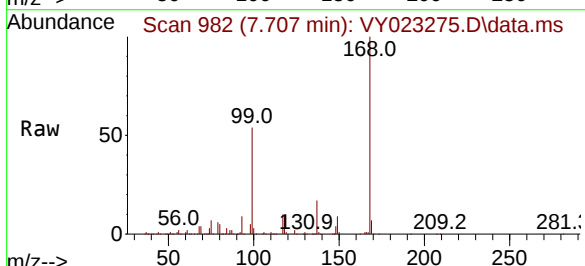
Tgt Ion: 56 Resp: 11151

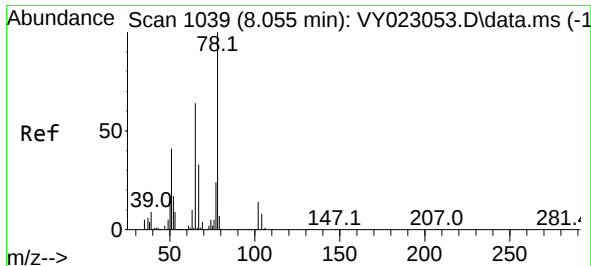
Ion Ratio Lower Upper

56 100

69 206.7 28.2 42.2#

84 151.3 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.102 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023275.D

Acq: 03 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

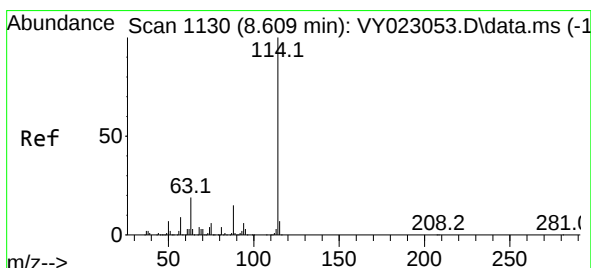
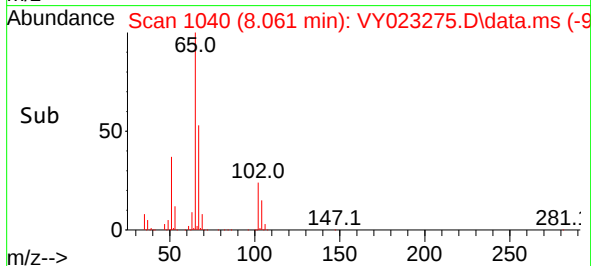
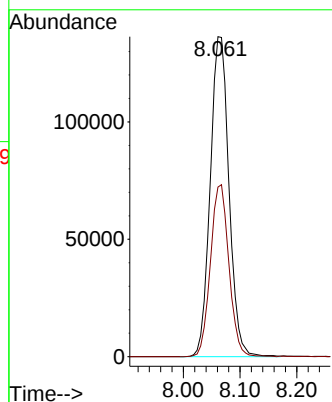
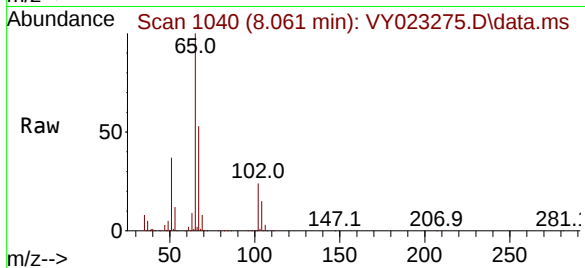
VIBLK

Tgt Ion: 65 Resp: 312633

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023275.D

Acq: 03 Sep 2025 14:56

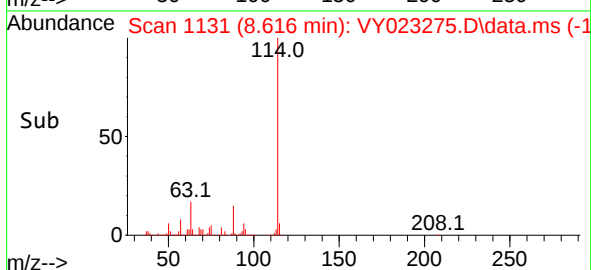
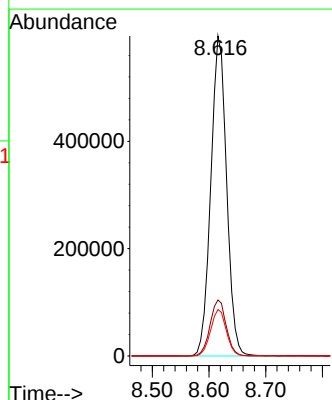
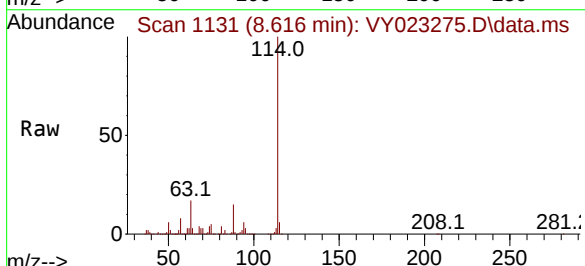
Tgt Ion: 114 Resp: 1153241

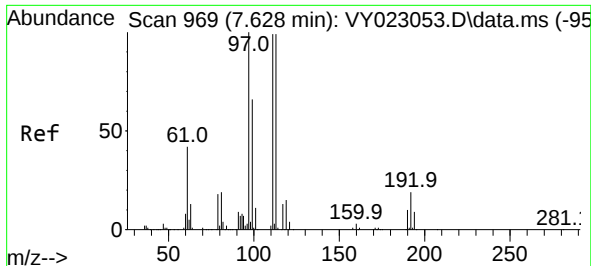
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.5 0.0 30.0

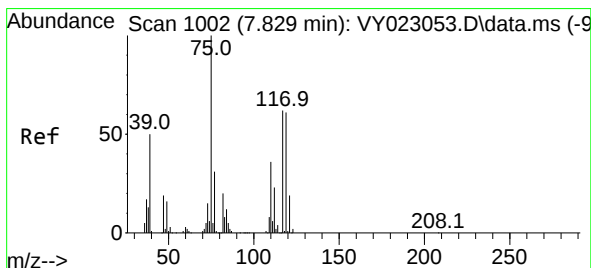
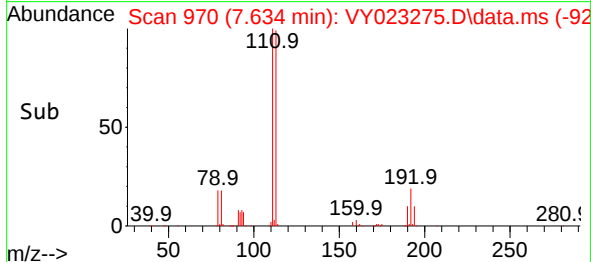
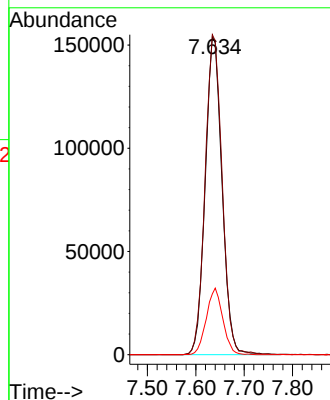
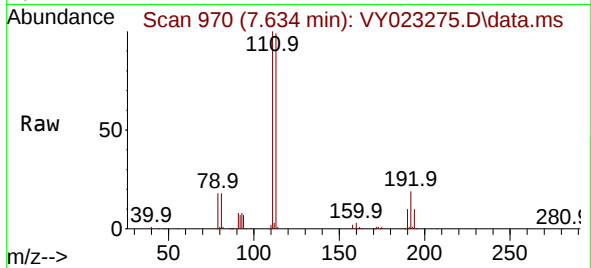




#35
Dibromofluoromethane
Concen: 53.723 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

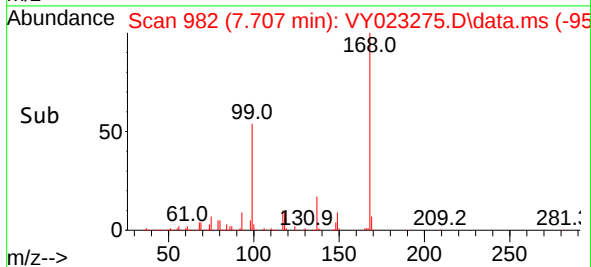
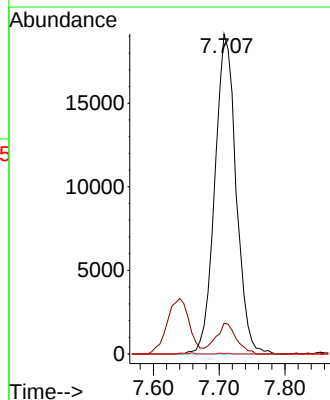
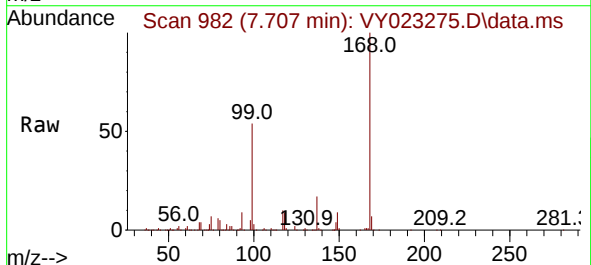
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

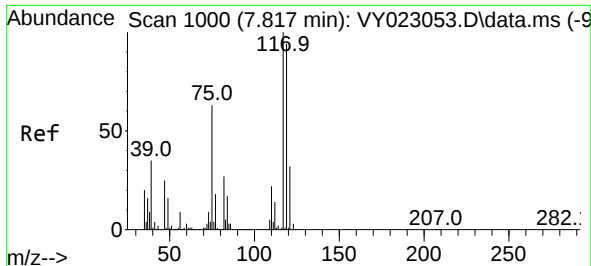
Tgt Ion:113 Resp: 370722
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

Tgt Ion: 75 Resp: 43121
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.1 24.6 37.0#

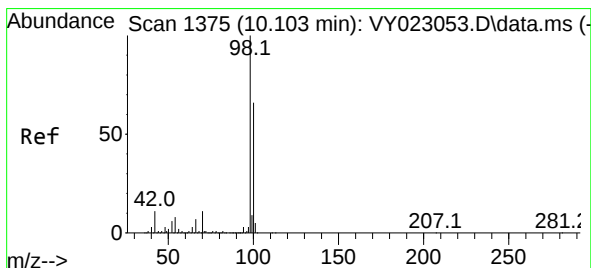
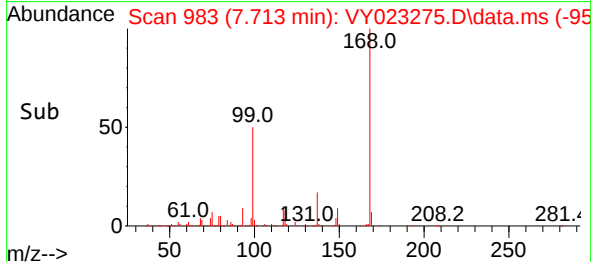
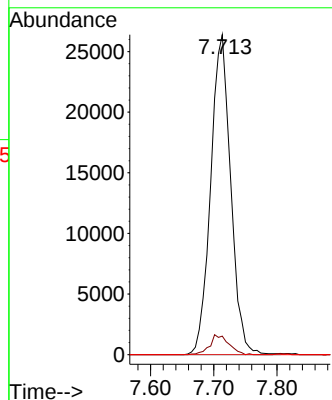
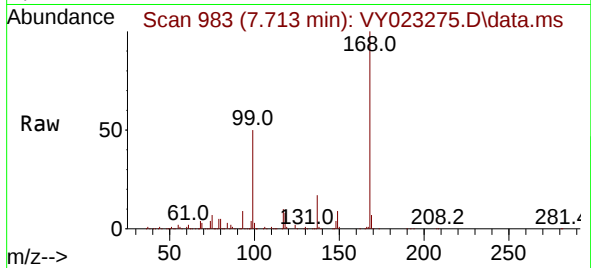




#38
Carbon Tetrachloride
Concen: 5.209 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

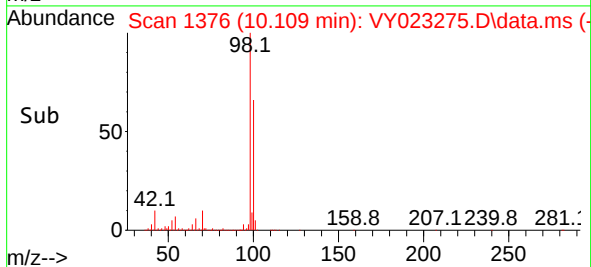
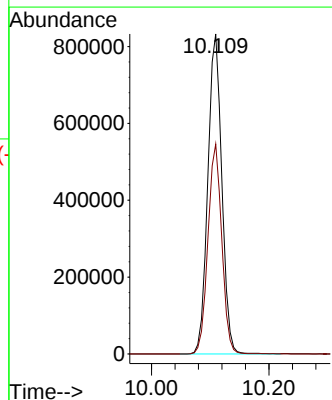
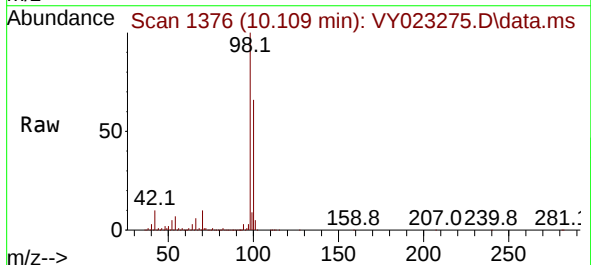
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

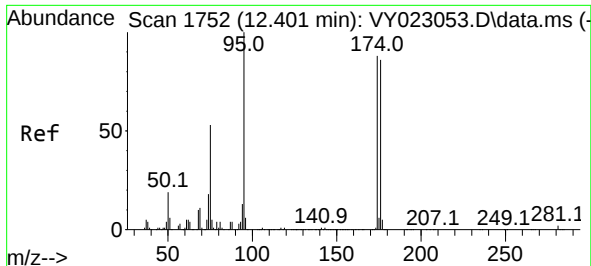
Tgt Ion:117 Resp: 58020
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.036 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

Tgt Ion: 98 Resp: 1375830
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

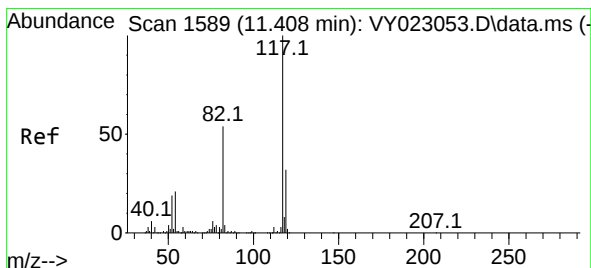
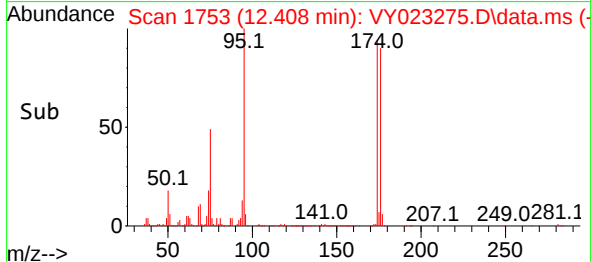
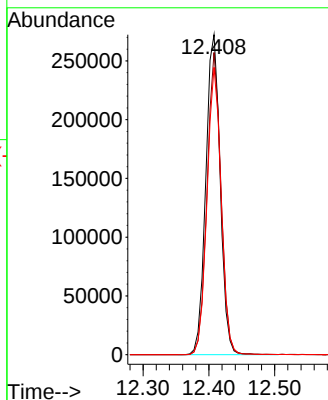
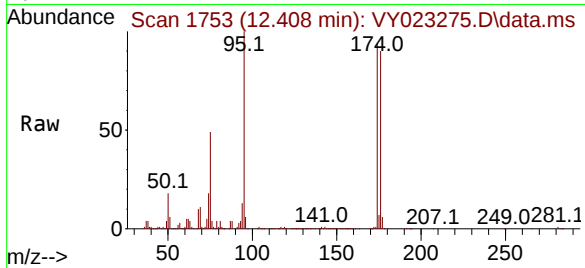




#62
4-Bromofluorobenzene
Concen: 47.837 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

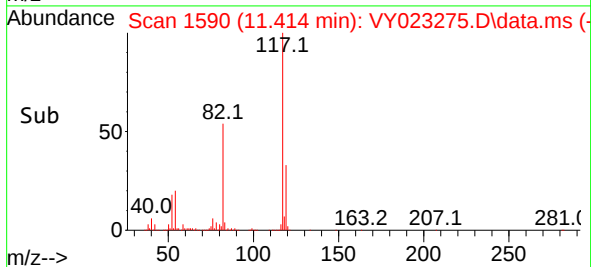
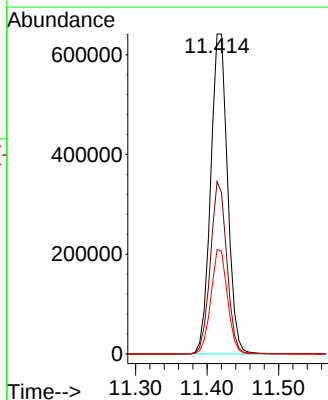
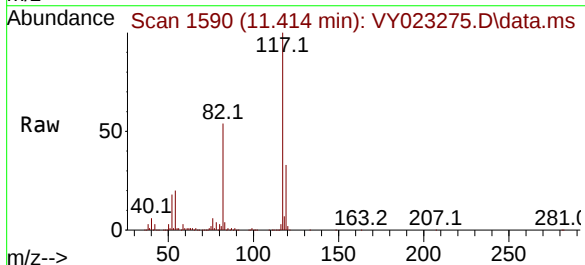
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ClientSampleId :
VIBLK

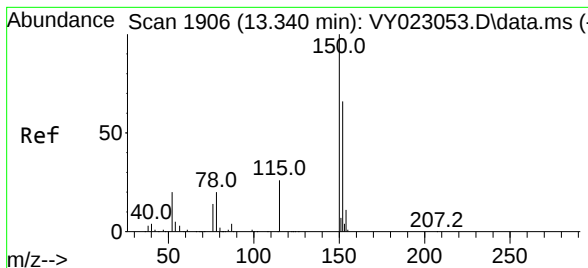
Tgt Ion: 95 Resp: 414730
Ion Ratio Lower Upper
95 100
174 91.7 0.0 171.6
176 88.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023275.D
Acq: 03 Sep 2025 14:56

Tgt Ion: 117 Resp: 1051883
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023275.D

Acq: 03 Sep 2025 14:56

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

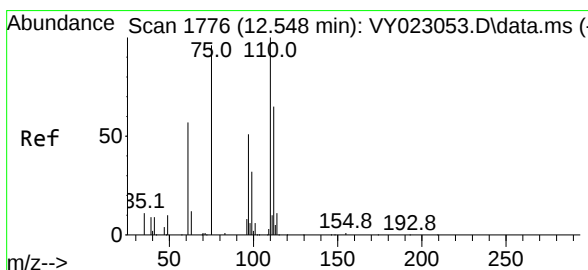
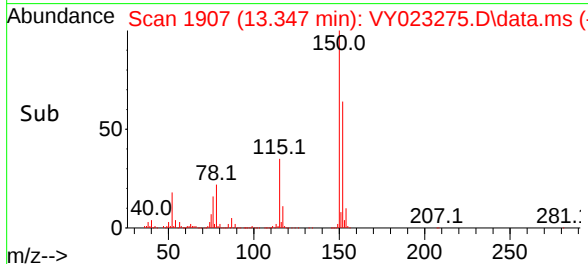
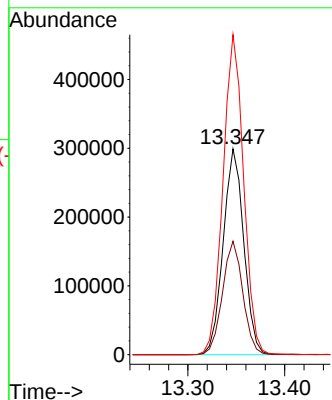
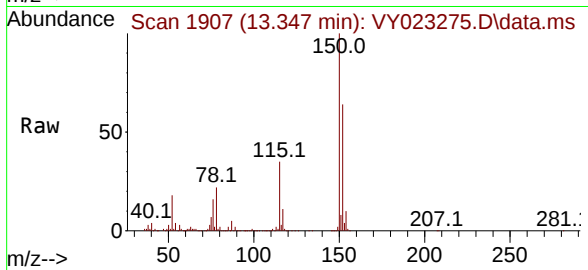
Tgt Ion:152 Resp: 441148

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.6

150 155.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 48.336 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023275.D

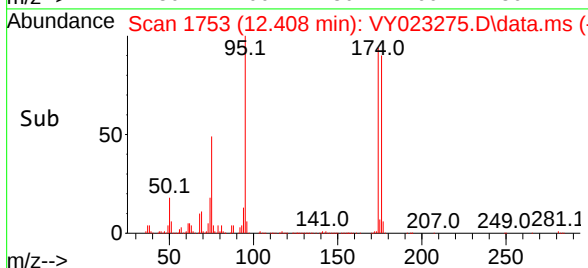
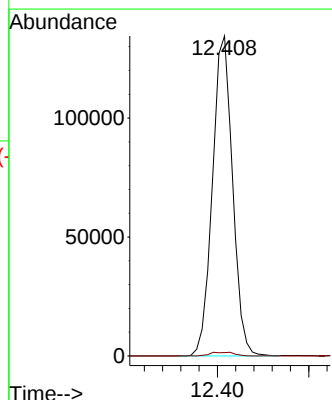
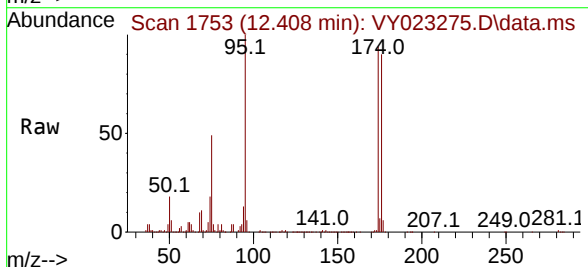
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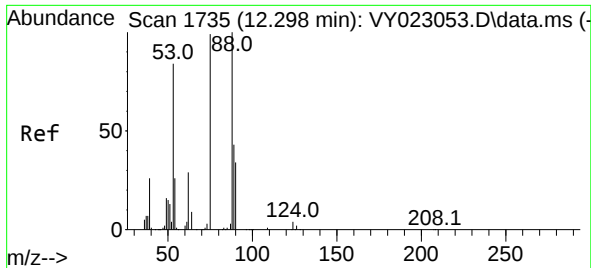
Tgt Ion: 75 Resp: 205792

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.006 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023275.D
 Acq: 03 Sep 2025 14:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 205792
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

