

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023531.D
 Acq On : 21 Oct 2025 13:48
 Operator : SY/MD
 Sample : Q3402-04
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41-RA

Quant Time: Oct 22 12:26:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 07 14:25:11 2025
 Response via : Initial Calibration

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

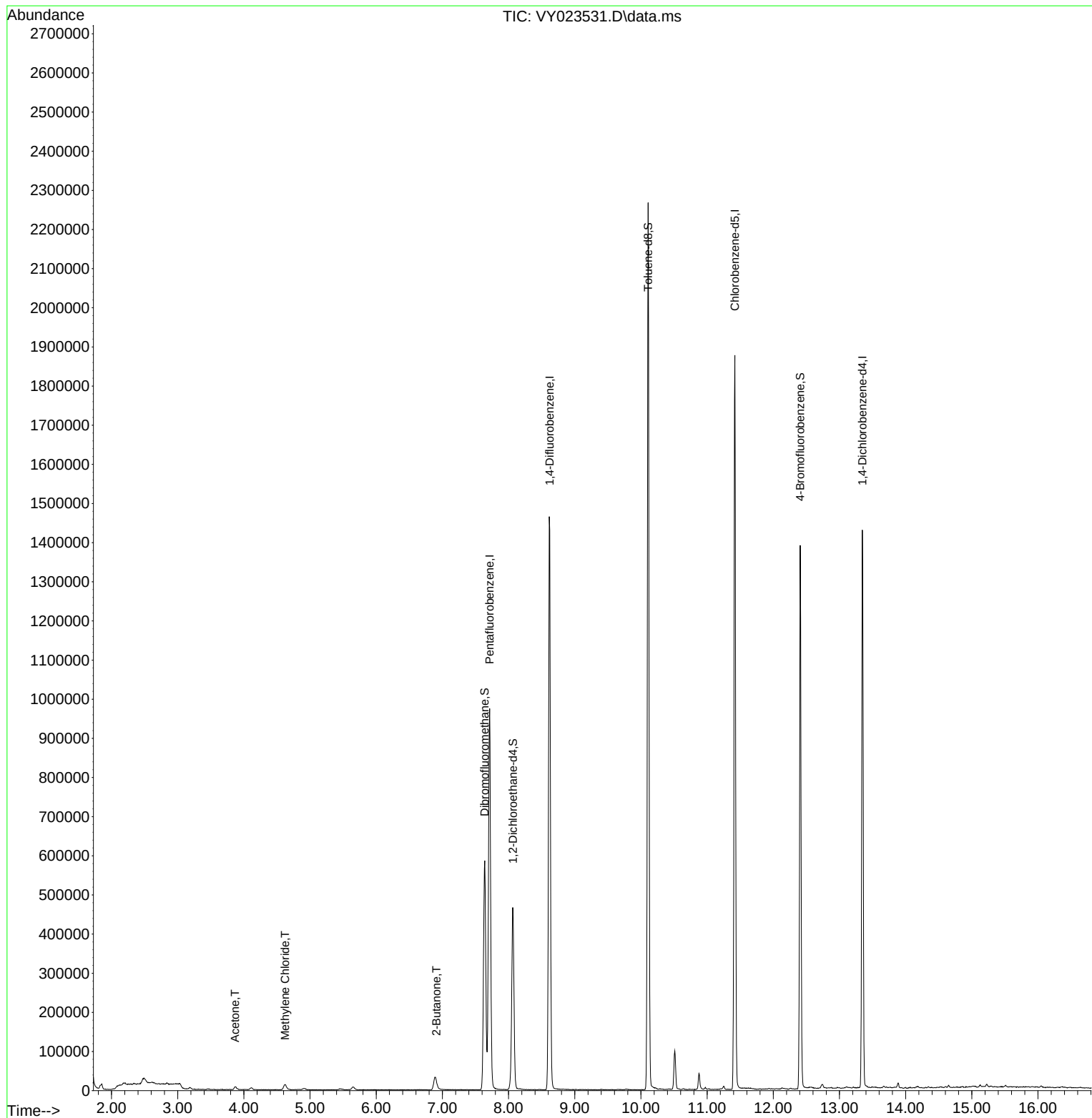
Internal Standards						
1) Pentafluorobenzene	7.713	168	818594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1347220	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	1091861	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	392208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	354133	51.734	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.460%	
35) Dibromofluoromethane	7.640	113	422465	51.034	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.060%	
50) Toluene-d8	10.109	98	1495527	48.512	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.407	95	391637	38.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	12517	7.681	ug/l	94
20) Methylene Chloride	4.622	84	10505	1.192	ug/l #	85
25) 2-Butanone	6.908	43	5303	2.665	ug/l	96

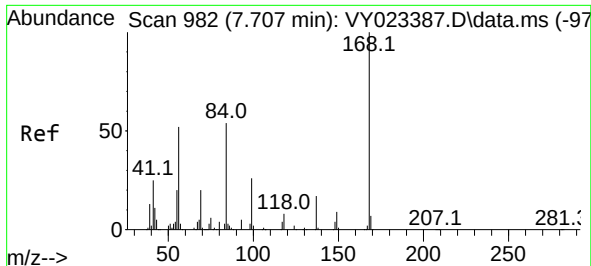
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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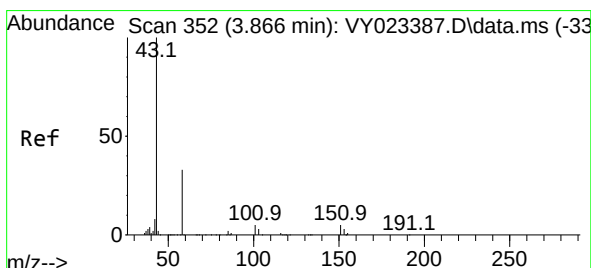
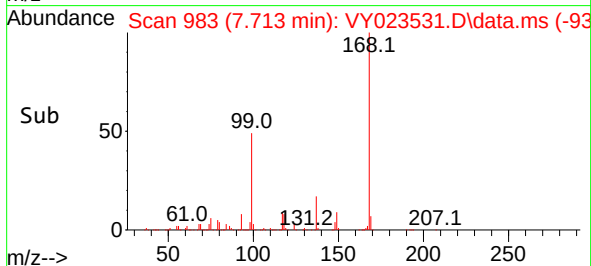
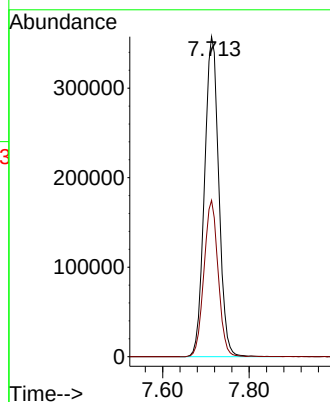
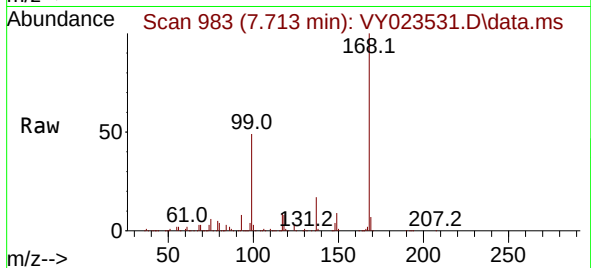




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

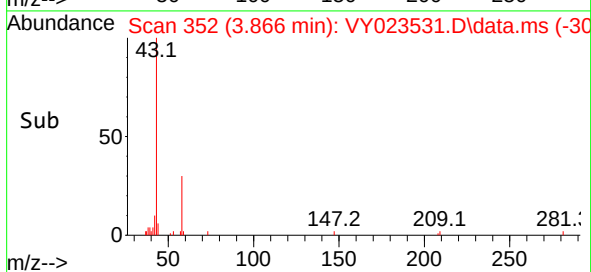
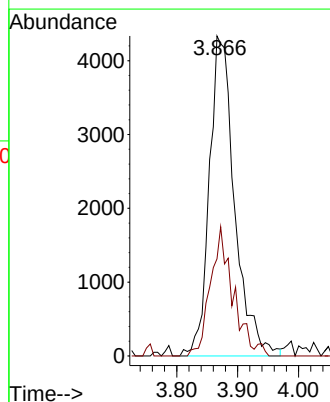
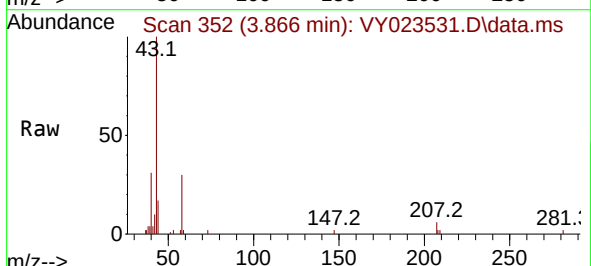
Instrument :
MSVOA_Y
ClientSampleId :
41-RA

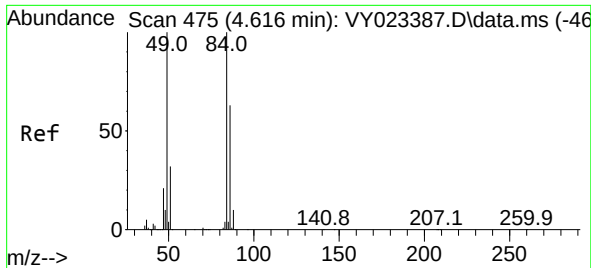
Tgt Ion:168 Resp: 818594
Ion Ratio Lower Upper
168 100
99 48.9 42.8 64.2



#16
Acetone
Concen: 7.681 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

Tgt Ion: 43 Resp: 12517
Ion Ratio Lower Upper
43 100
58 30.4 27.1 40.7

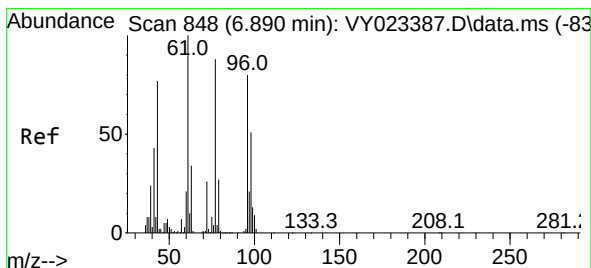
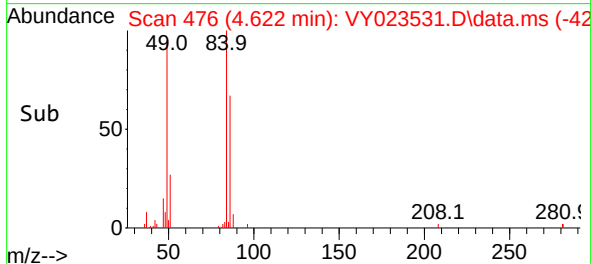
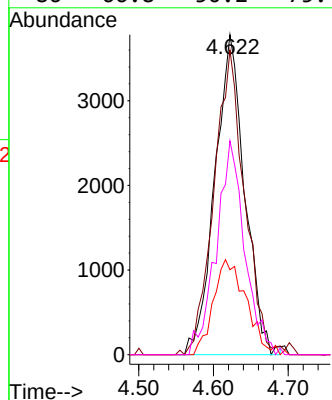
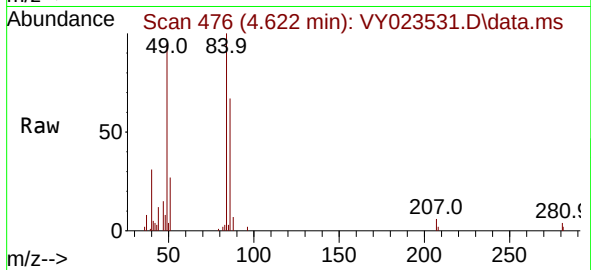




#20
Methylene Chloride
Concen: 1.192 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

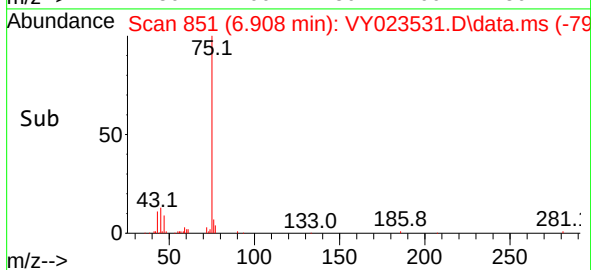
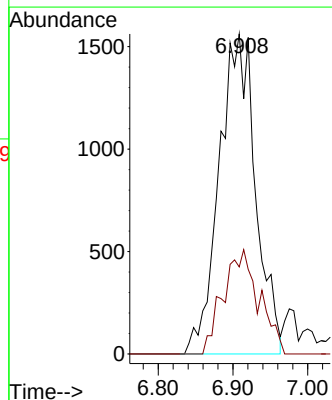
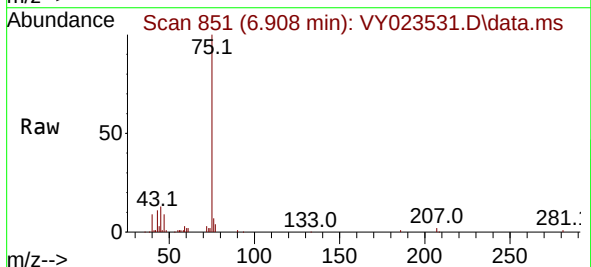
Instrument :
MSVOA_Y
ClientSampleId :
41-RA

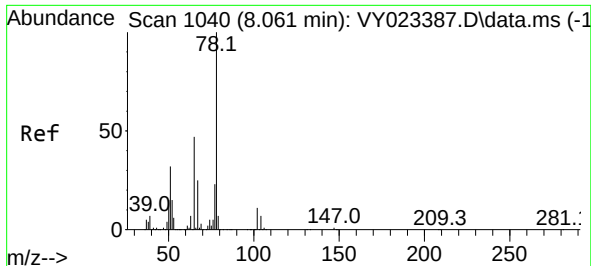
Tgt Ion: 84 Resp: 10505
Ion Ratio Lower Upper
84 100
49 93.8 93.0 139.6
51 26.6 29.0 43.4#
86 66.8 50.2 75.4



#25
2-Butanone
Concen: 2.665 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.024 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

Tgt Ion: 43 Resp: 5303
Ion Ratio Lower Upper
43 100
72 27.2 23.5 35.3





#33

1,2-Dichloroethane-d4

Concen: 51.734 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023531.D

Acq: 21 Oct 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

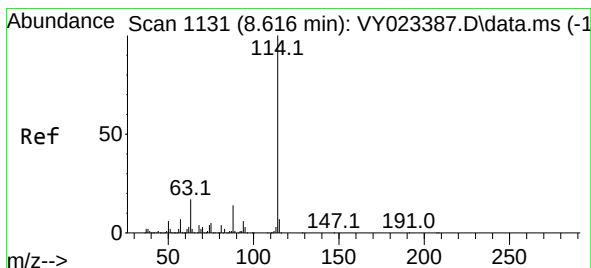
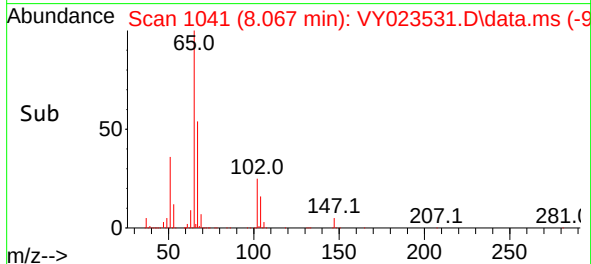
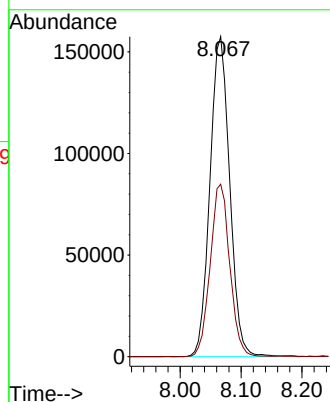
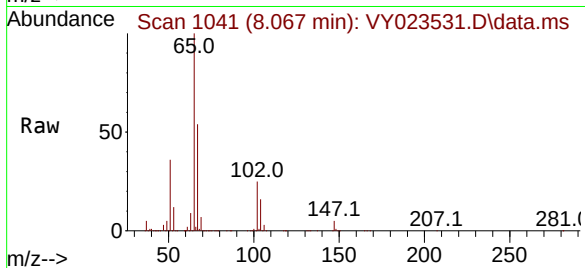
41-RA

Tgt Ion: 65 Resp: 354133

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.012 min

Lab File: VY023531.D

Acq: 21 Oct 2025 13:48

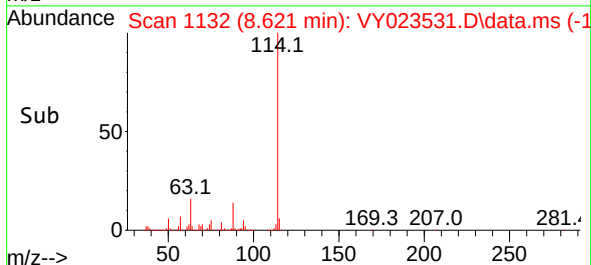
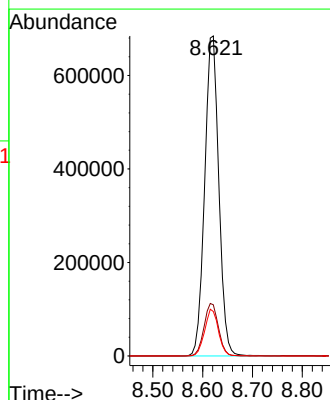
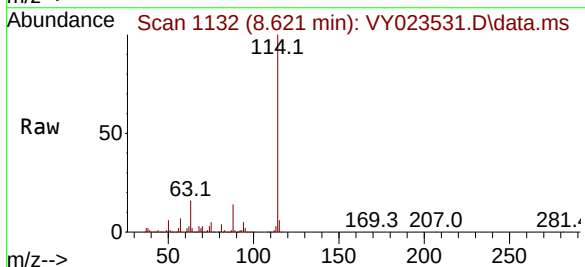
Tgt Ion: 114 Resp: 1347220

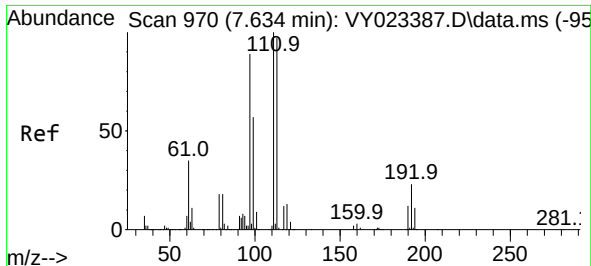
Ion Ratio Lower Upper

114 100

63 16.0 0.0 38.4

88 13.9 0.0 30.0

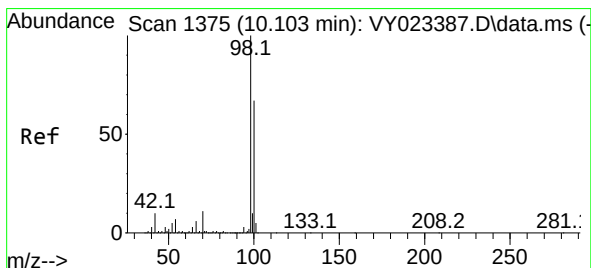
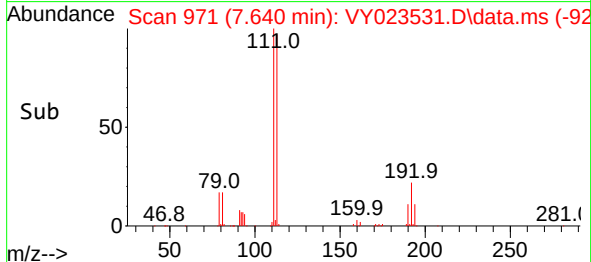
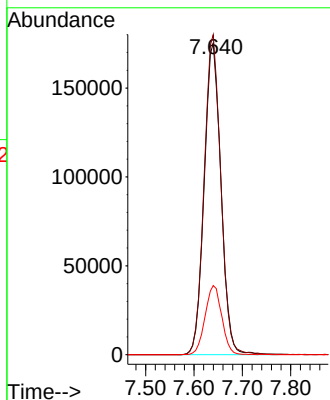
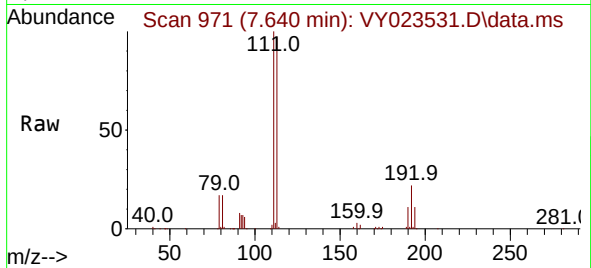




#35
Dibromofluoromethane
Concen: 51.034 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

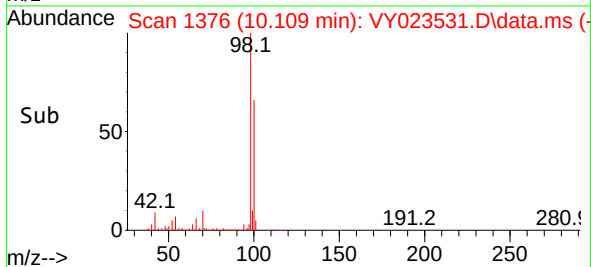
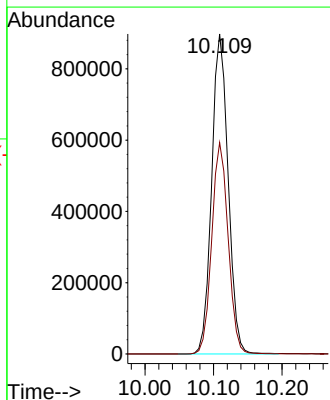
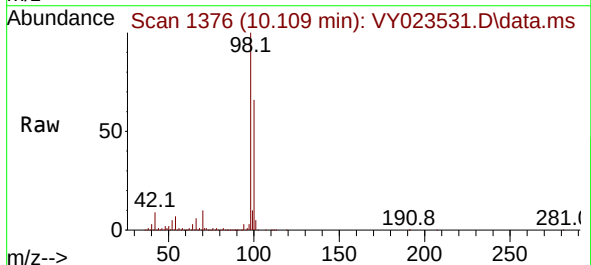
Instrument :
MSVOA_Y
ClientSampleId :
41-RA

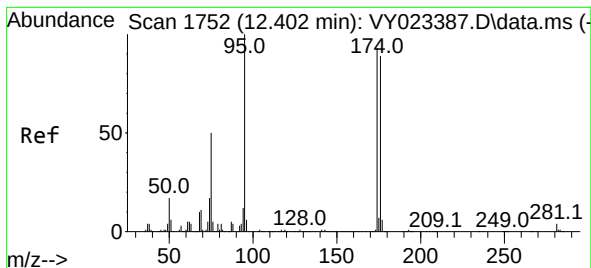
Tgt Ion:113 Resp: 422465
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 22.1 16.2 24.4



#50
Toluene-d8
Concen: 48.512 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023531.D
Acq: 21 Oct 2025 13:48

Tgt Ion: 98 Resp: 1495527
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 38.479 ug/l

RT: 12.407 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023531.D

Acq: 21 Oct 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

41-RA

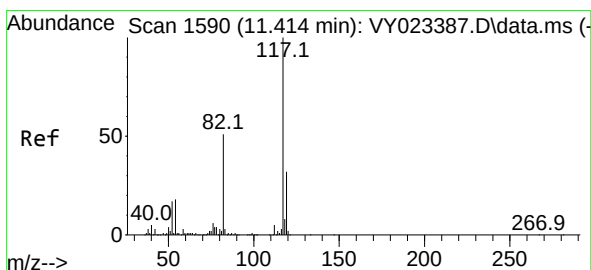
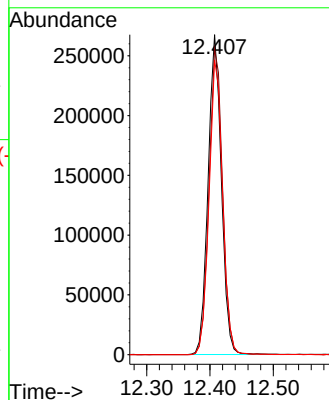
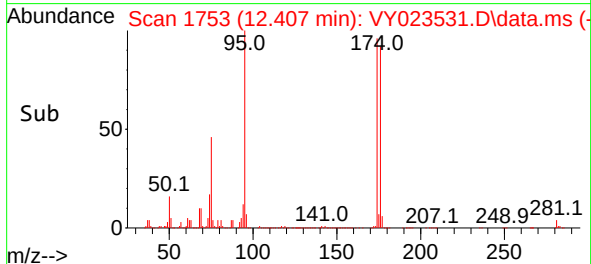
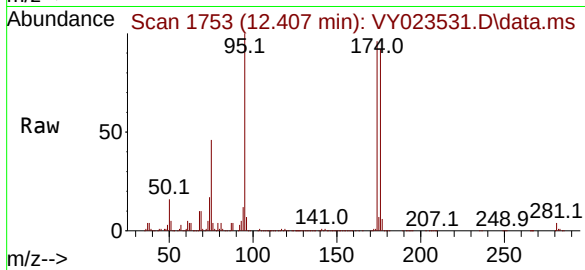
Tgt Ion: 95 Resp: 391637

Ion Ratio Lower Upper

95 100

174 98.0 0.0 171.6

176 93.7 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.012 min

Lab File: VY023531.D

Acq: 21 Oct 2025 13:48

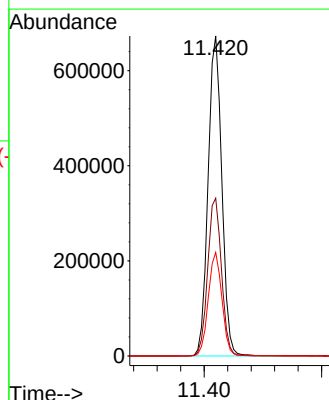
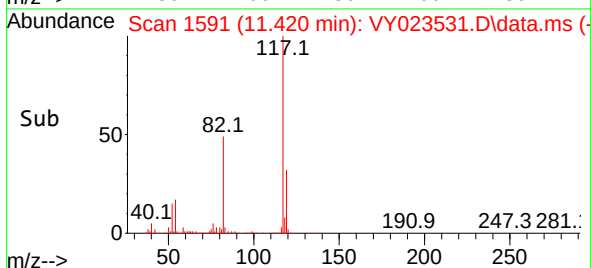
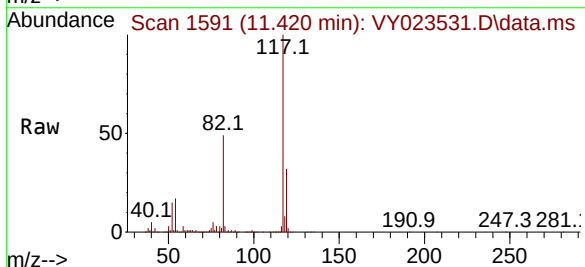
Tgt Ion: 117 Resp: 1091861

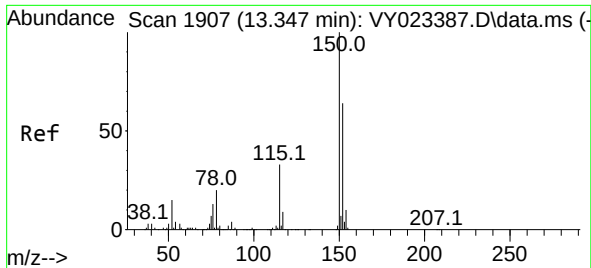
Ion Ratio Lower Upper

117 100

82 49.3 43.4 65.0

119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023531.D

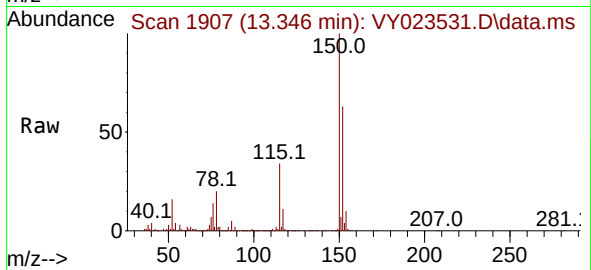
Acq: 21 Oct 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

41-RA



Tgt Ion:152 Resp: 392208

Ion Ratio Lower Upper

152 100

115 53.7 28.2 84.6

150 156.7 0.0 348.0

