

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023132.D
 Acq On : 15 Aug 2025 17:56
 Operator : SY/MD
 Sample : Q2865-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS10-0047-VOC

Quant Time: Aug 18 02:32:48 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)

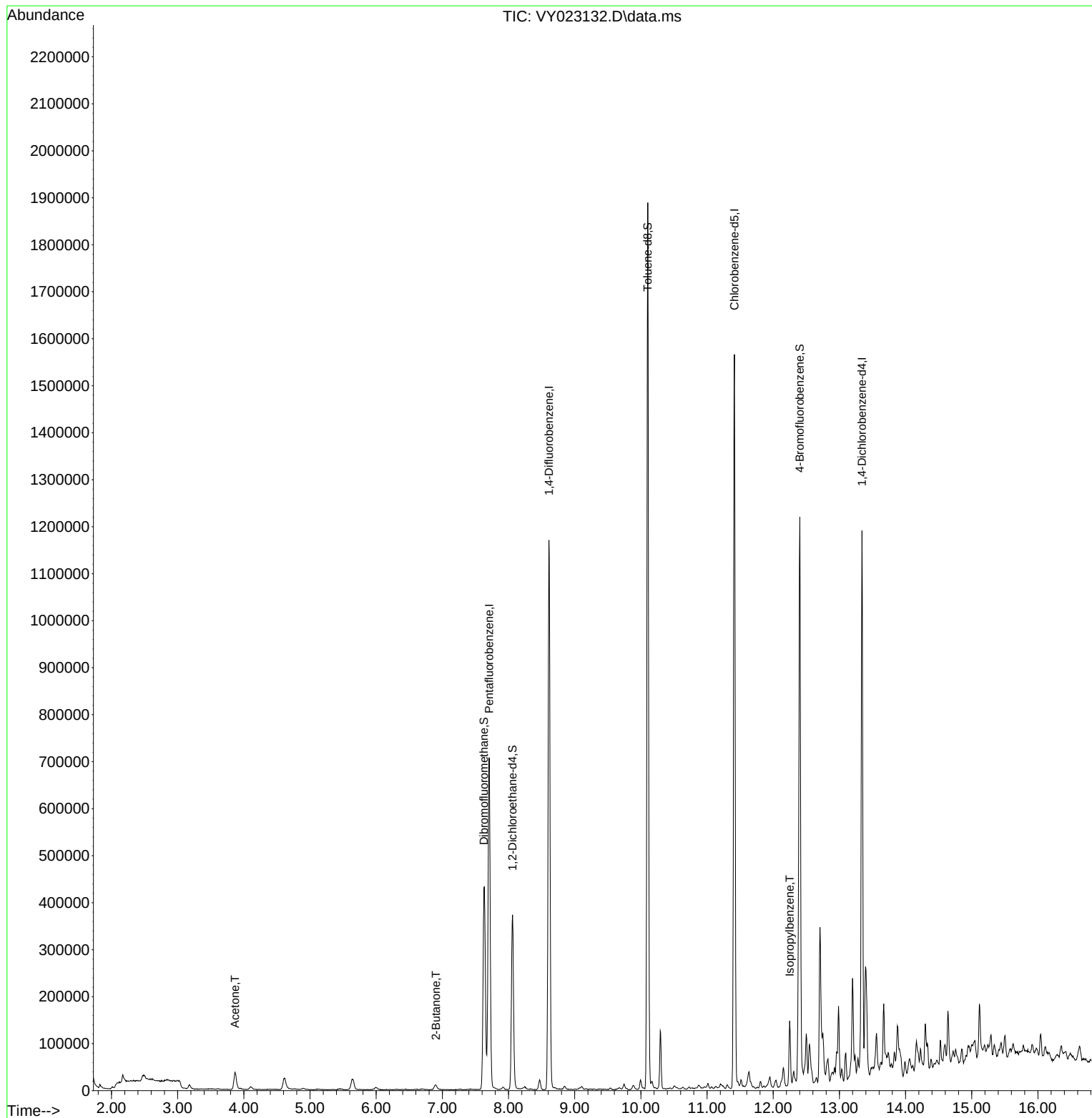
Internal Standards						
1) Pentafluorobenzene	7.707	168	541155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1003525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	840698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	288847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	293676	56.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.880%
35) Dibromofluoromethane	7.628	113	314868	52.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.103	98	1196587	51.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.401	95	333021	44.143	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.280%
Target Compounds						Qvalue
16) Acetone	3.866	43	62530	55.962	ug/l	99
25) 2-Butanone	6.902	43	14640	9.634	ug/l	97
73) Isopropylbenzene	12.249	105	77040	3.779	ug/l	99

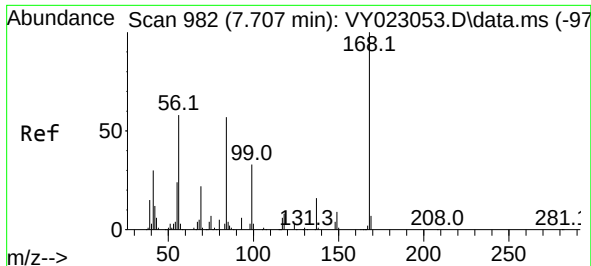
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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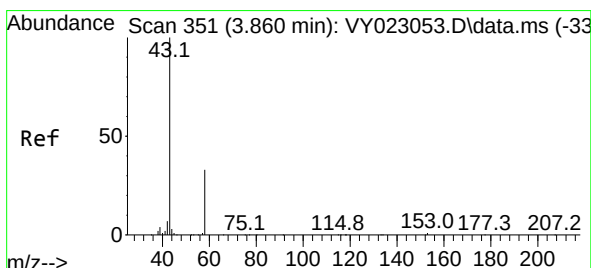
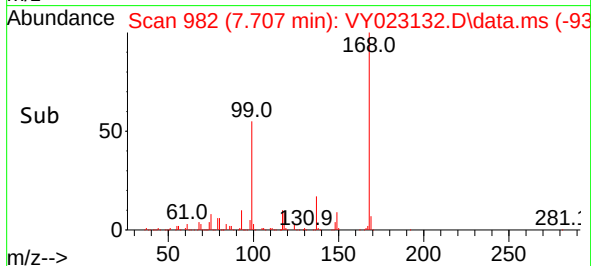
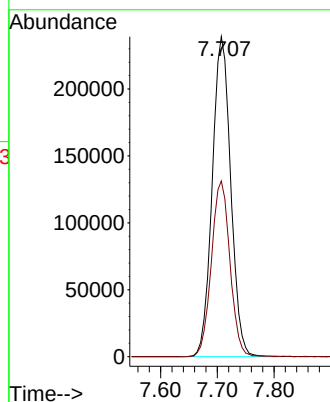
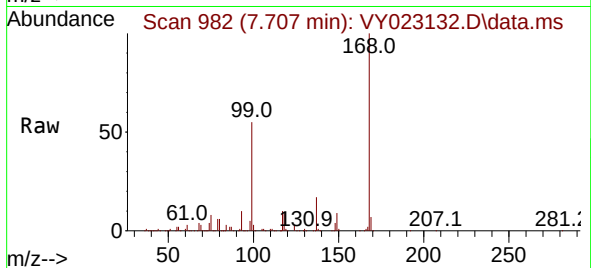




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

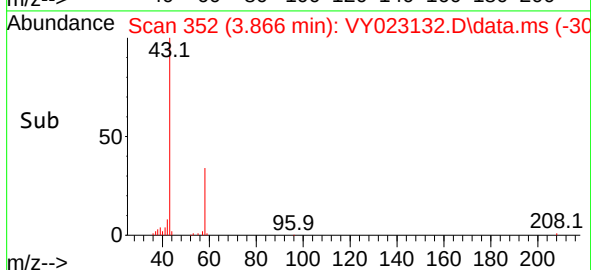
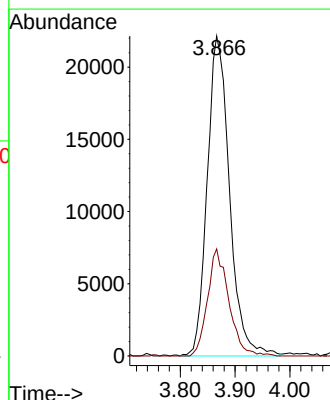
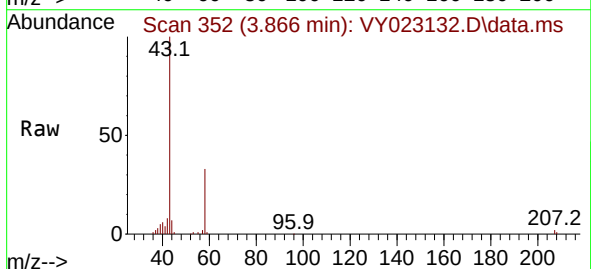
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

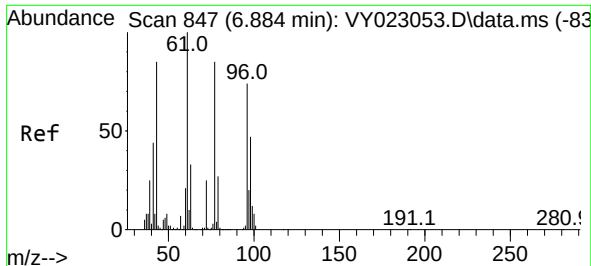
Tgt Ion:168 Resp: 541155
Ion Ratio Lower Upper
168 100
99 54.9 42.8 64.2



#16
Acetone
Concen: 55.962 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 43 Resp: 62530
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7

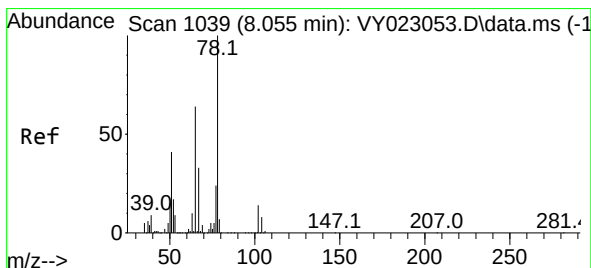
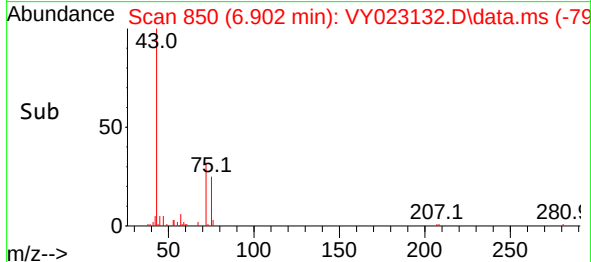
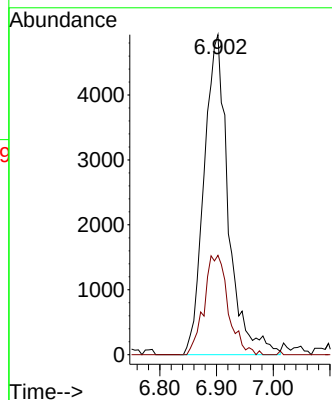
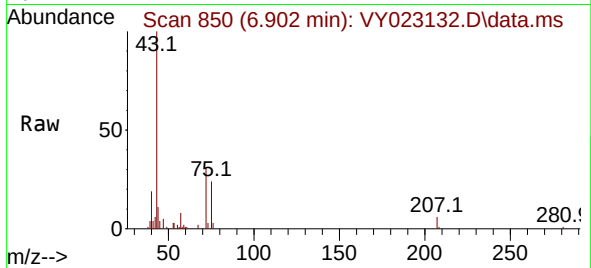




#25
2-Butanone
Concen: 9.634 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

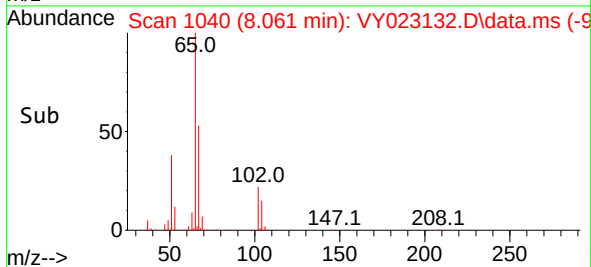
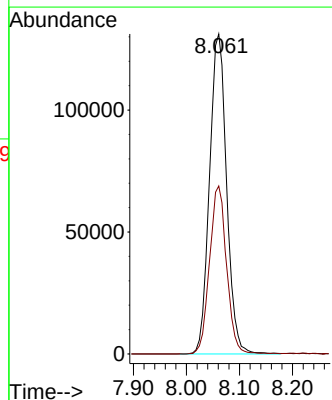
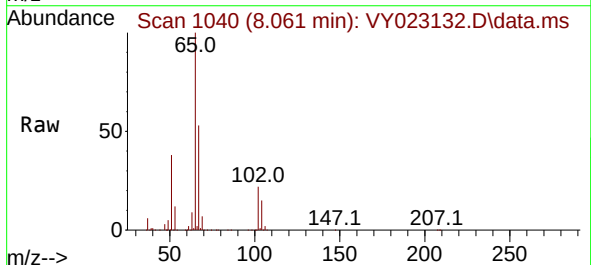
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

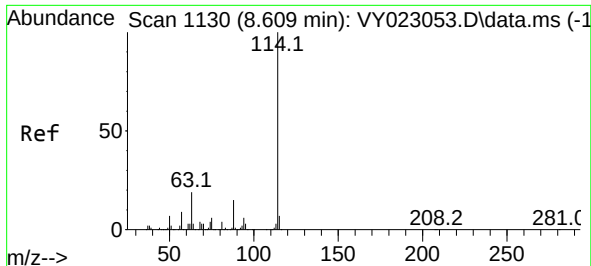
Tgt Ion: 43 Resp: 14640
Ion Ratio Lower Upper
43 100
72 31.0 23.5 35.3



#33
1,2-Dichloroethane-d4
Concen: 56.941 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 65 Resp: 293676
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

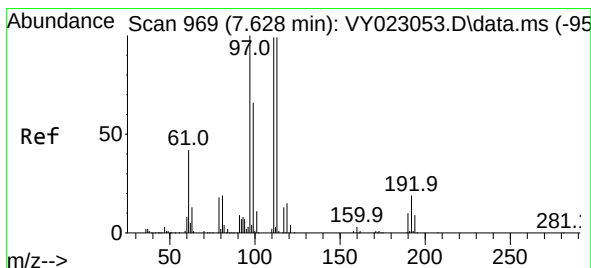
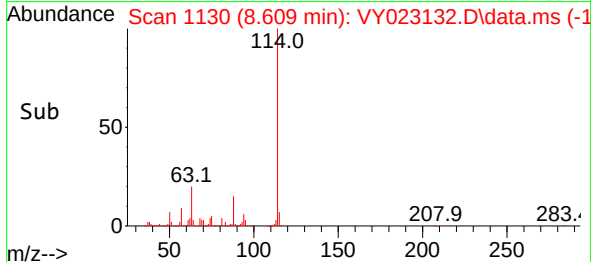
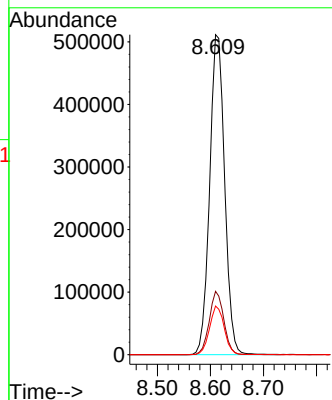
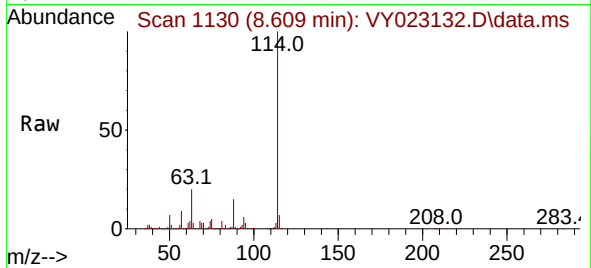




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

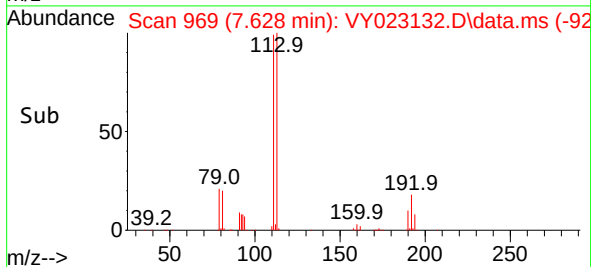
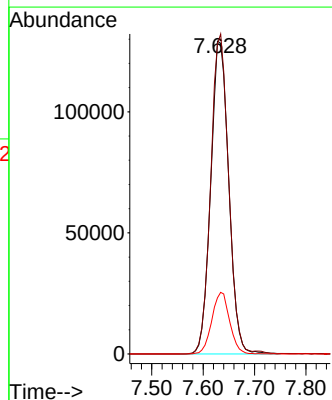
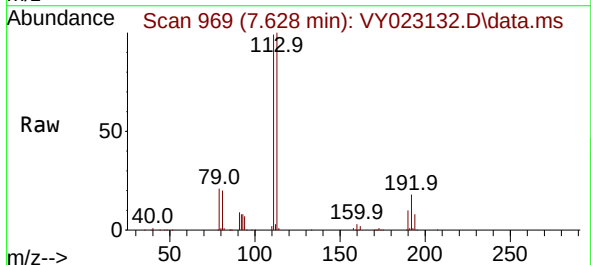
Instrument :
MSVOA_Y
ClientSampleId :
ARS10-0047-VOC

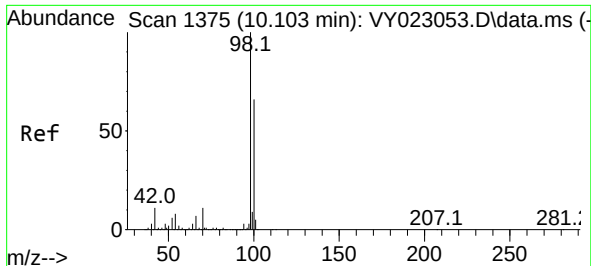
Tgt Ion:114 Resp: 1003525
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 15.2 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.436 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion:113 Resp: 314868
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 19.4 16.2 24.4

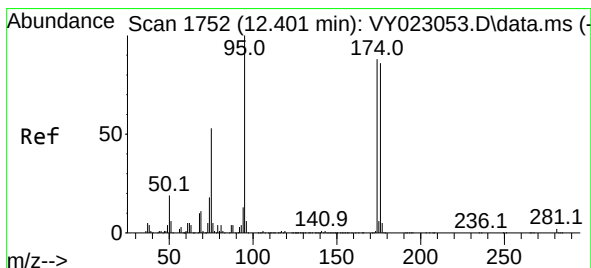
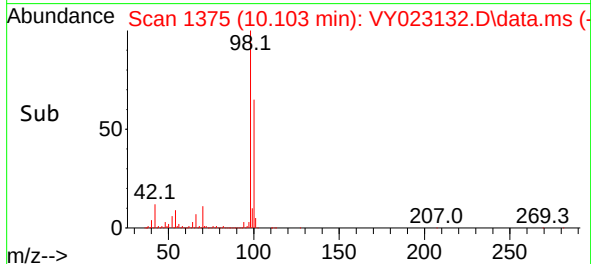
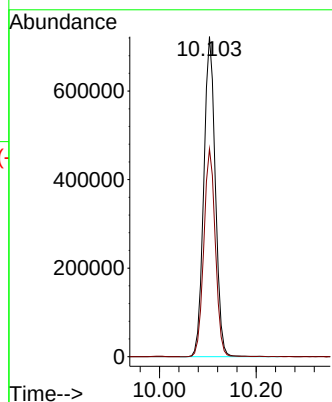
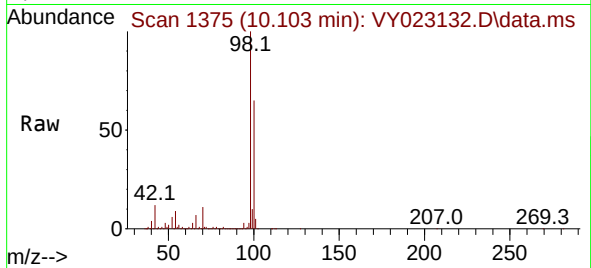




#50
Toluene-d8
Concen: 51.009 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

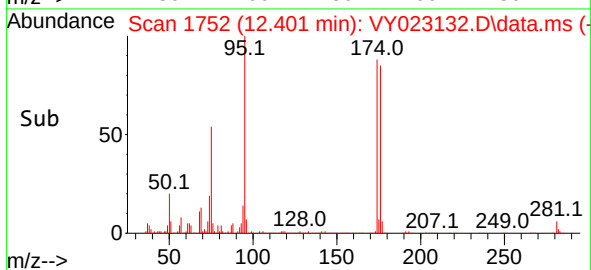
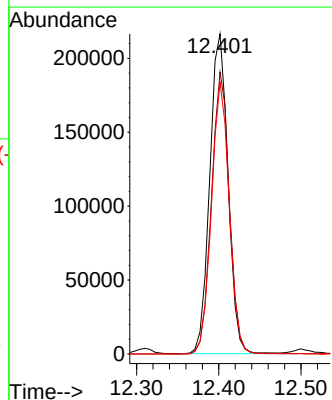
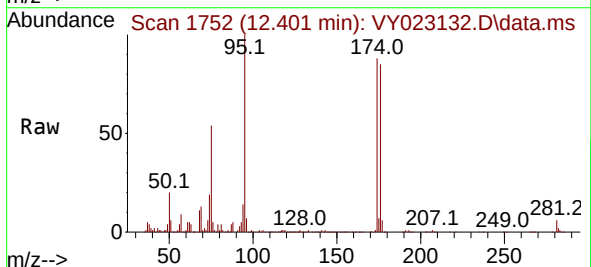
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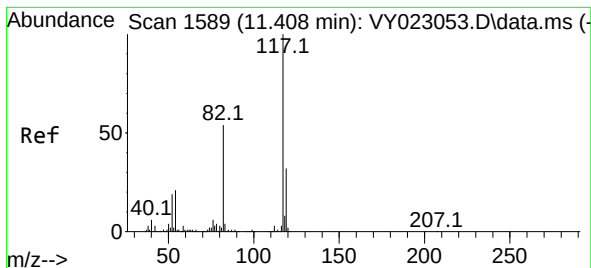
Tgt Ion: 98 Resp: 1196587
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.143 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023132.D
Acq: 15 Aug 2025 17:56

Tgt Ion: 95 Resp: 333021
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 83.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

ARS10-0047-VOC

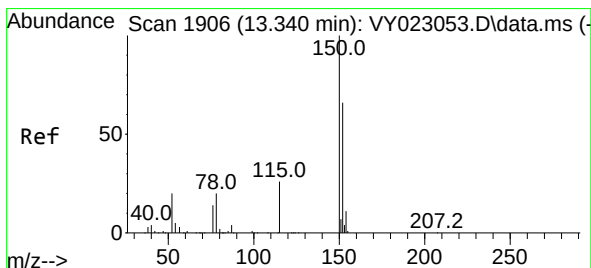
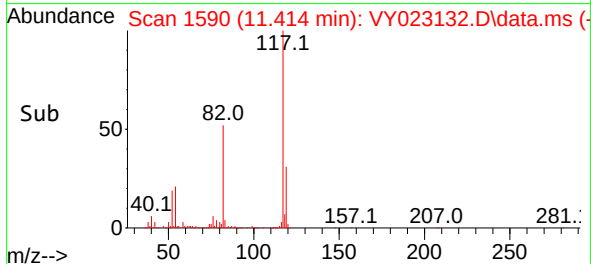
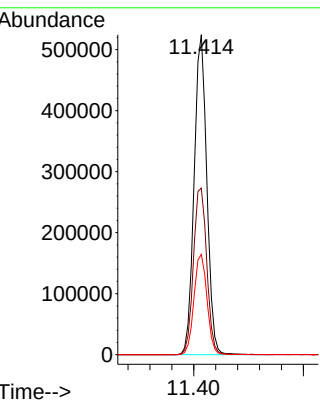
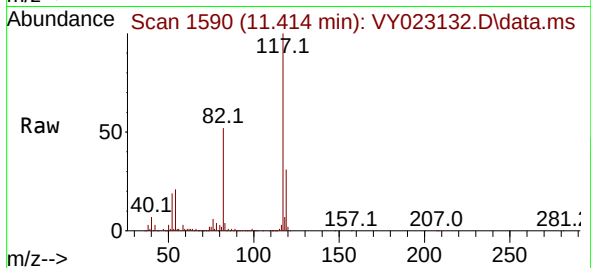
Tgt Ion:117 Resp: 840698

Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 31.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023132.D

Acq: 15 Aug 2025 17:56

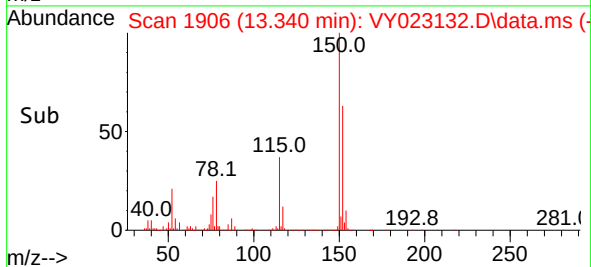
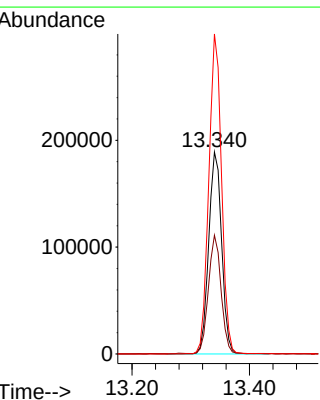
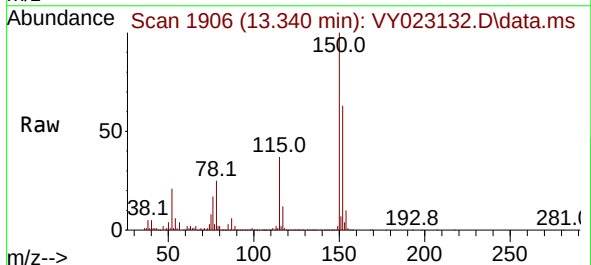
Tgt Ion:152 Resp: 288847

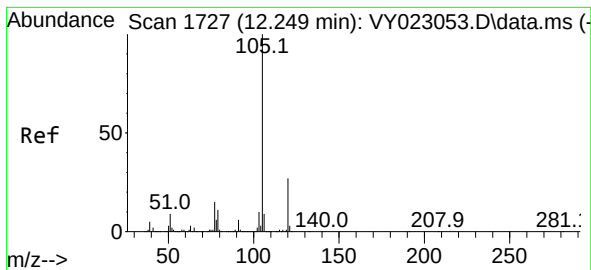
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 155.7 0.0 348.0





#73

Isopropylbenzene

Concen: 3.779 ug/l

RT: 12.249 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023132.D

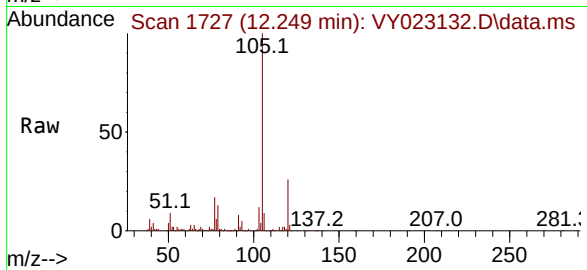
Acq: 15 Aug 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

ARS10-0047-VOC



Tgt Ion:105 Resp: 77040

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2

