

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023119.D
 Acq On : 15 Aug 2025 12:18
 Operator : SY/MD
 Sample : Q2820-22
 Misc : 8.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-W

Quant Time: Aug 18 02:28:12 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)

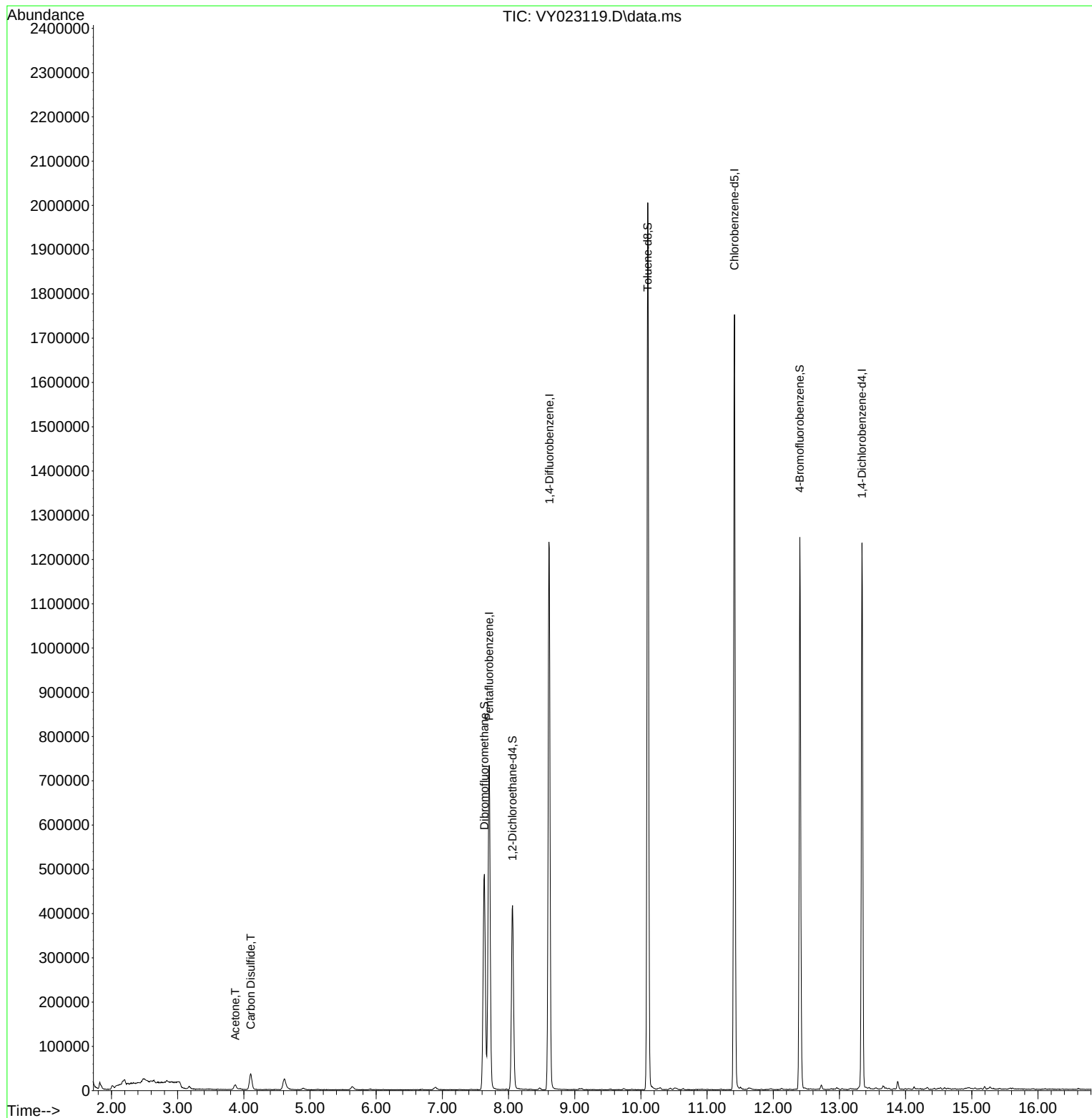
Internal Standards						
1) Pentafluorobenzene	7.707	168	565430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1082388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	919769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	327727	60.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.620%
35) Dibromofluoromethane	7.634	113	341964	52.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.600%
50) Toluene-d8	10.103	98	1304177	51.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.402	95	346717	42.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.220%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	18052	15.462	ug/l	96
17) Carbon Disulfide	4.104	76	70916	3.992	ug/l	96

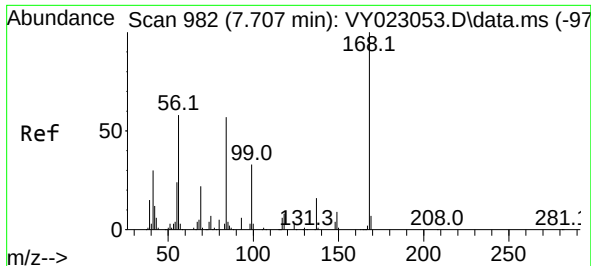
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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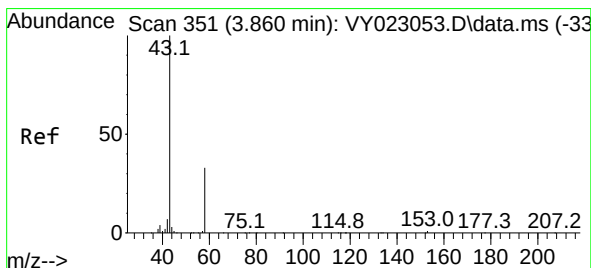
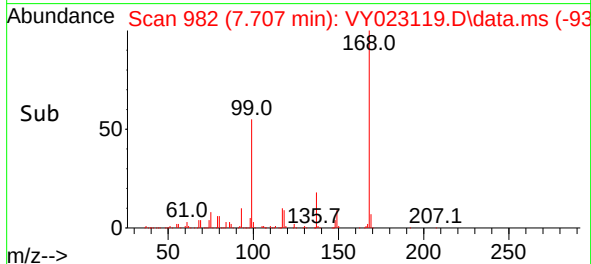
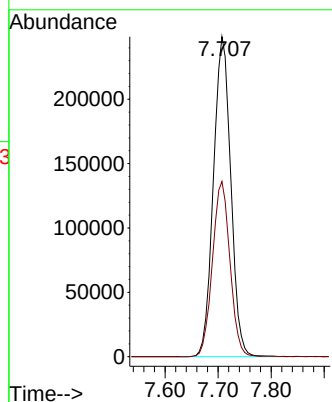
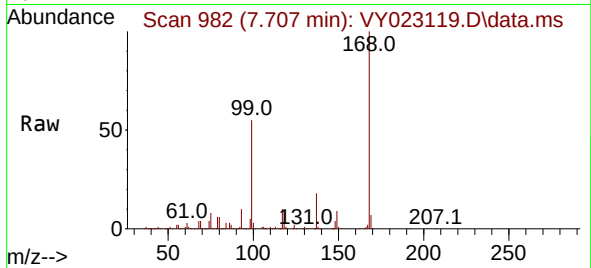




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

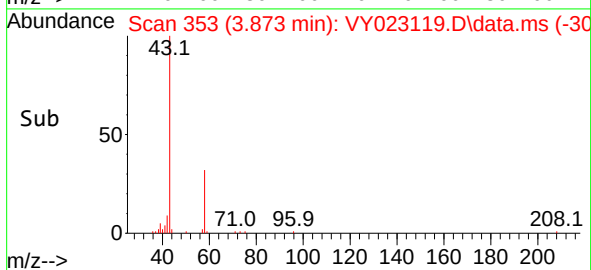
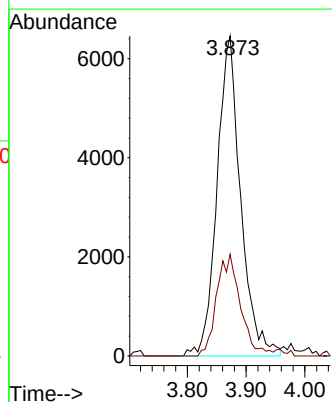
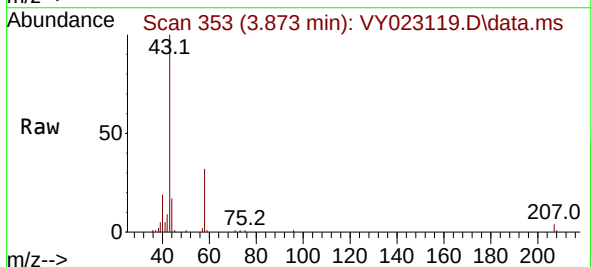
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

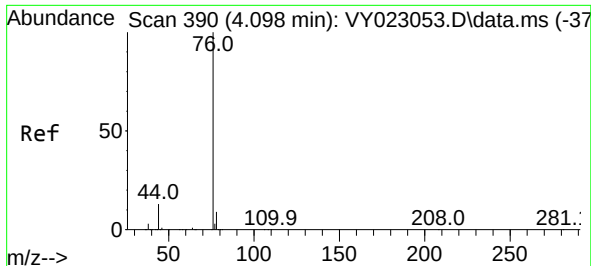
Tgt Ion:168 Resp: 565430
Ion Ratio Lower Upper
168 100
99 54.7 42.8 64.2



#16
Acetone
Concen: 15.462 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 43 Resp: 18052
Ion Ratio Lower Upper
43 100
58 31.8 27.1 40.7

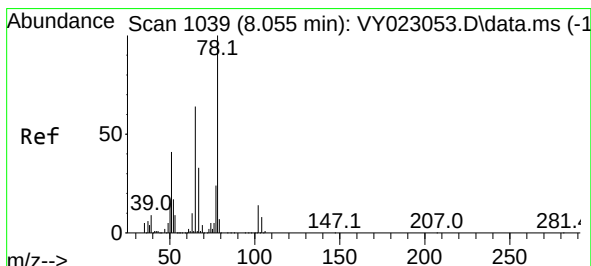
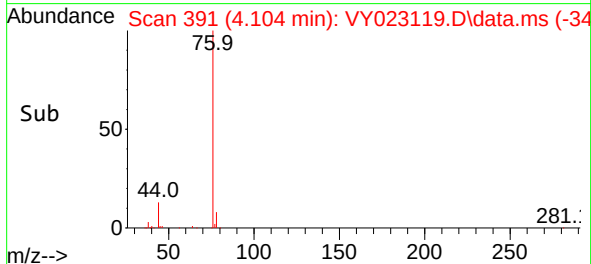
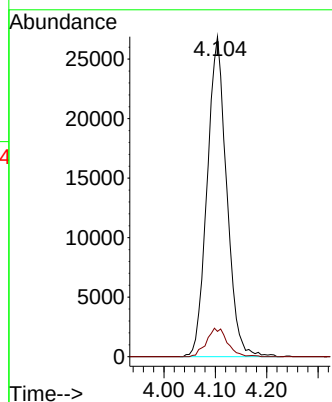
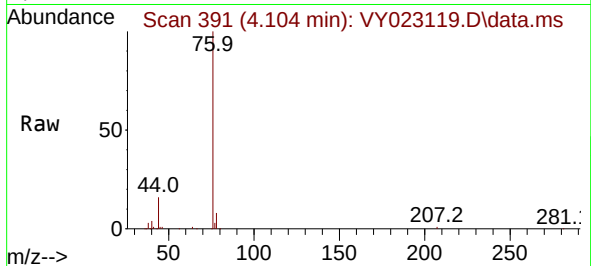




#17
Carbon Disulfide
Concen: 3.992 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

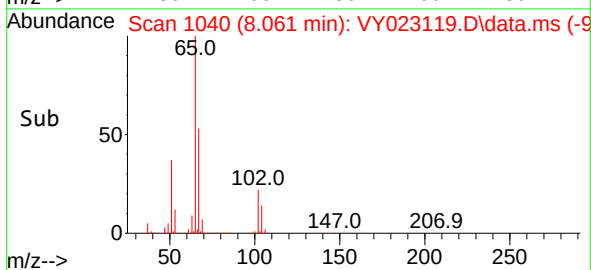
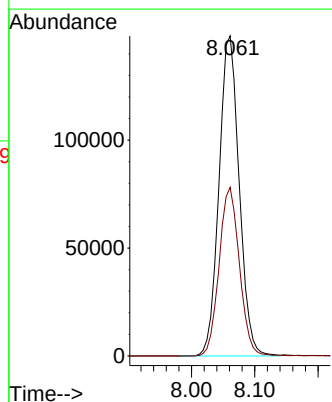
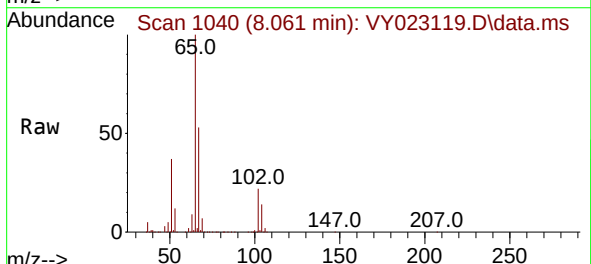
Instrument :
MSVOA_Y
ClientSampleId :
22M-W

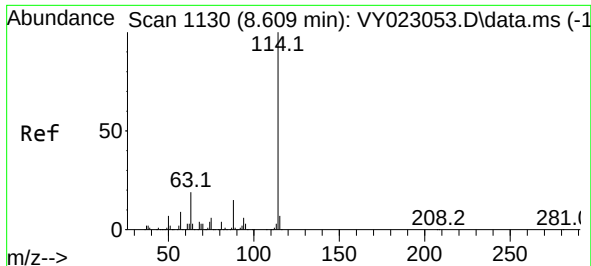
Tgt Ion: 76 Resp: 70916
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.2



#33
1,2-Dichloroethane-d4
Concen: 60.815 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 65 Resp: 327727
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: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

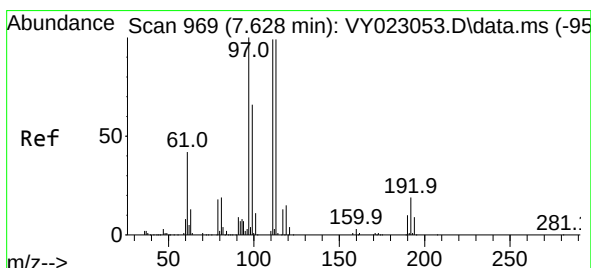
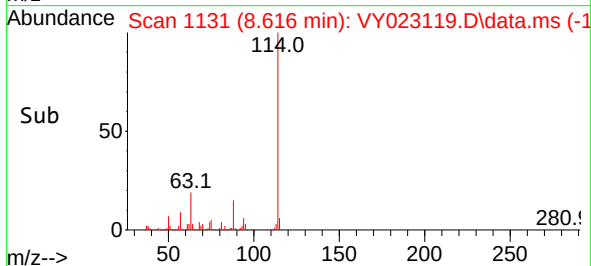
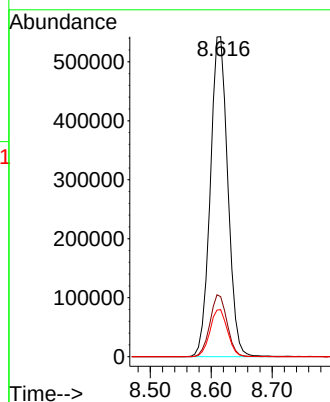
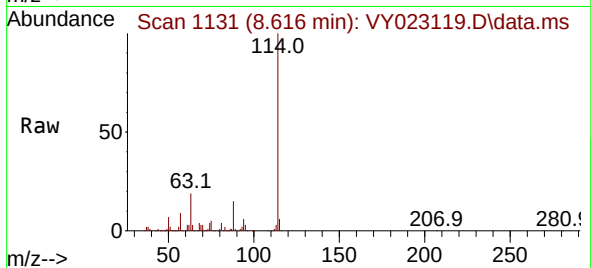
Tgt Ion:114 Resp: 1082388

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.799 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

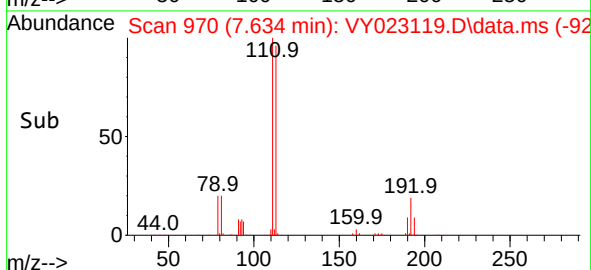
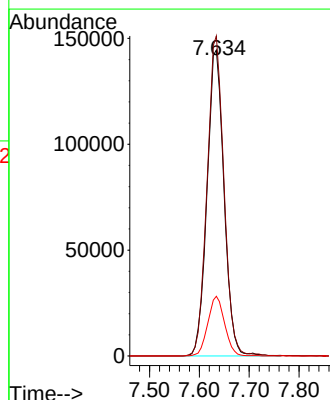
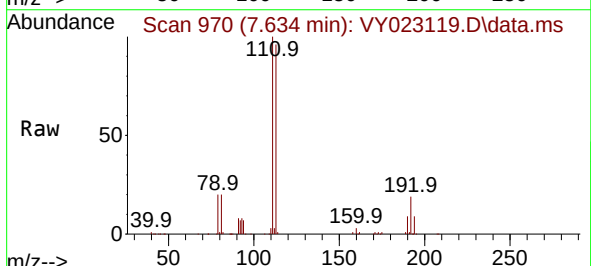
Tgt Ion:113 Resp: 341964

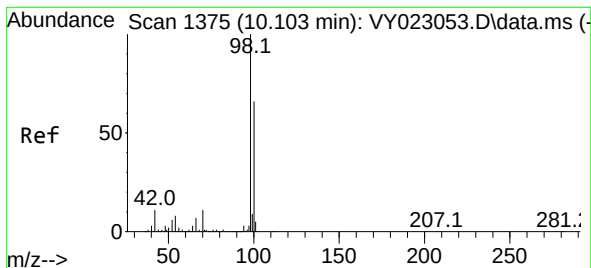
Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 19.3 16.2 24.4

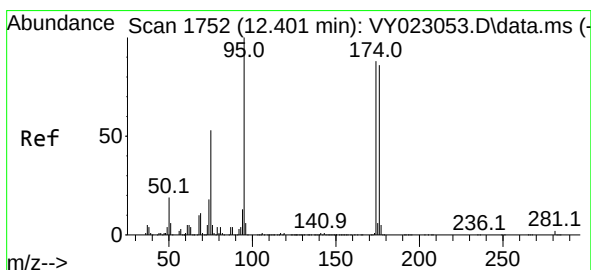
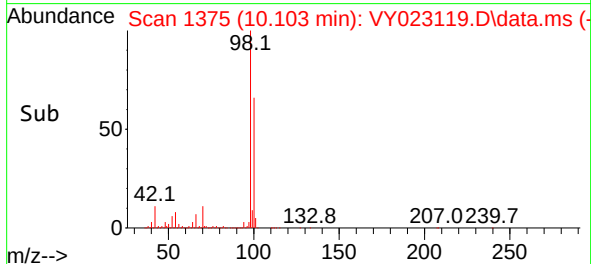
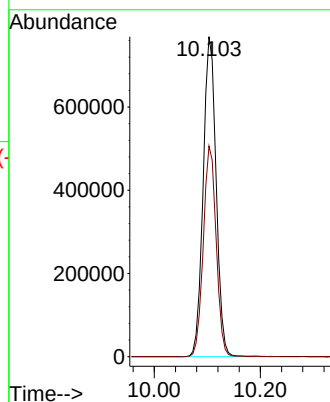
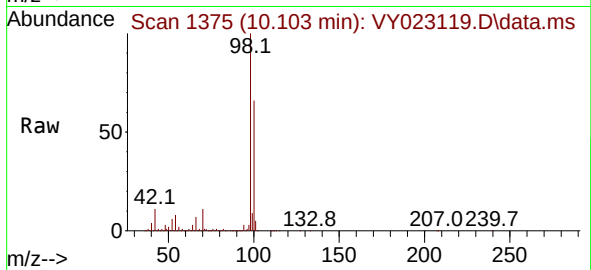




#50
Toluene-d8
Concen: 51.545 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

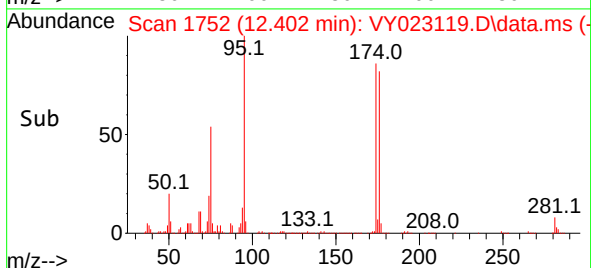
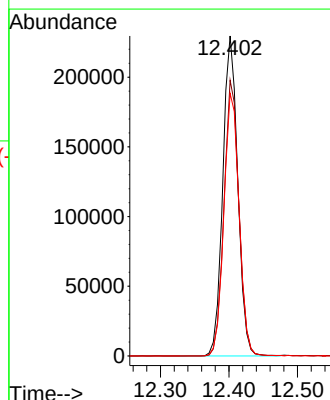
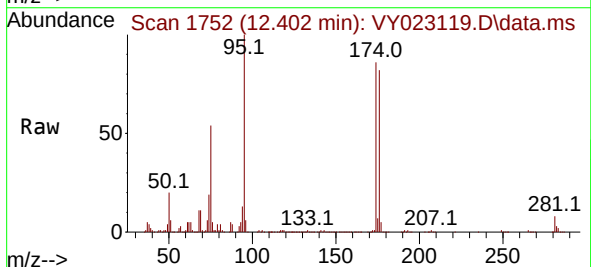
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MSVOA_Y
ClientSampleId :
22M-W

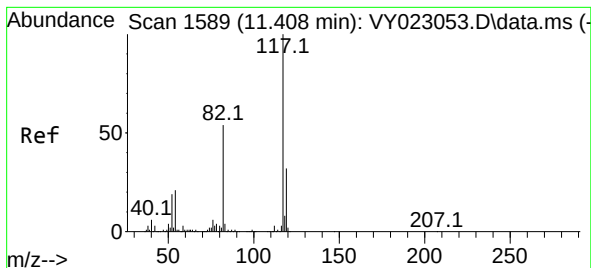
Tgt Ion: 98 Resp: 1304177
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.610 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023119.D
Acq: 15 Aug 2025 12:18

Tgt Ion: 95 Resp: 346717
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023119.D

Acq: 15 Aug 2025 12:18

Instrument :

MSVOA_Y

ClientSampleId :

22M-W

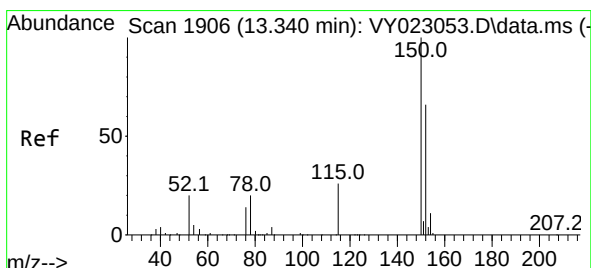
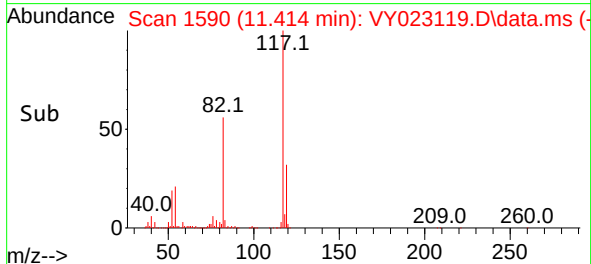
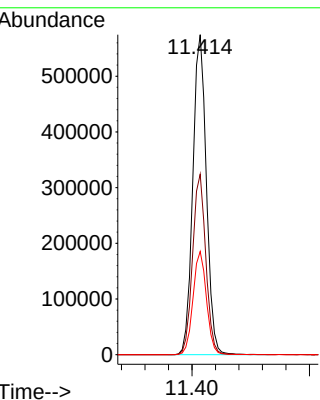
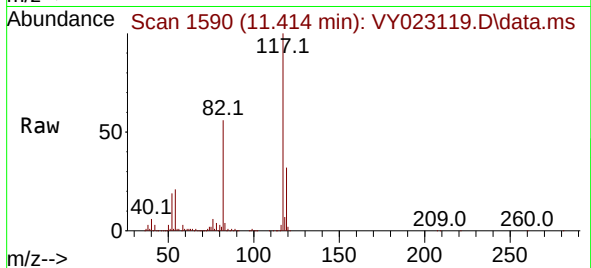
Tgt Ion:117 Resp: 919769

Ion Ratio Lower Upper

117 100

82 56.4 43.4 65.0

119 32.3 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: VY023119.D

Acq: 15 Aug 2025 12:18

Tgt Ion:152 Resp: 311657

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.6

150 157.4 0.0 348.0

