

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022922.D
 Acq On : 02 Jul 2025 19:04
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Quant Time: Jul 03 02:27:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

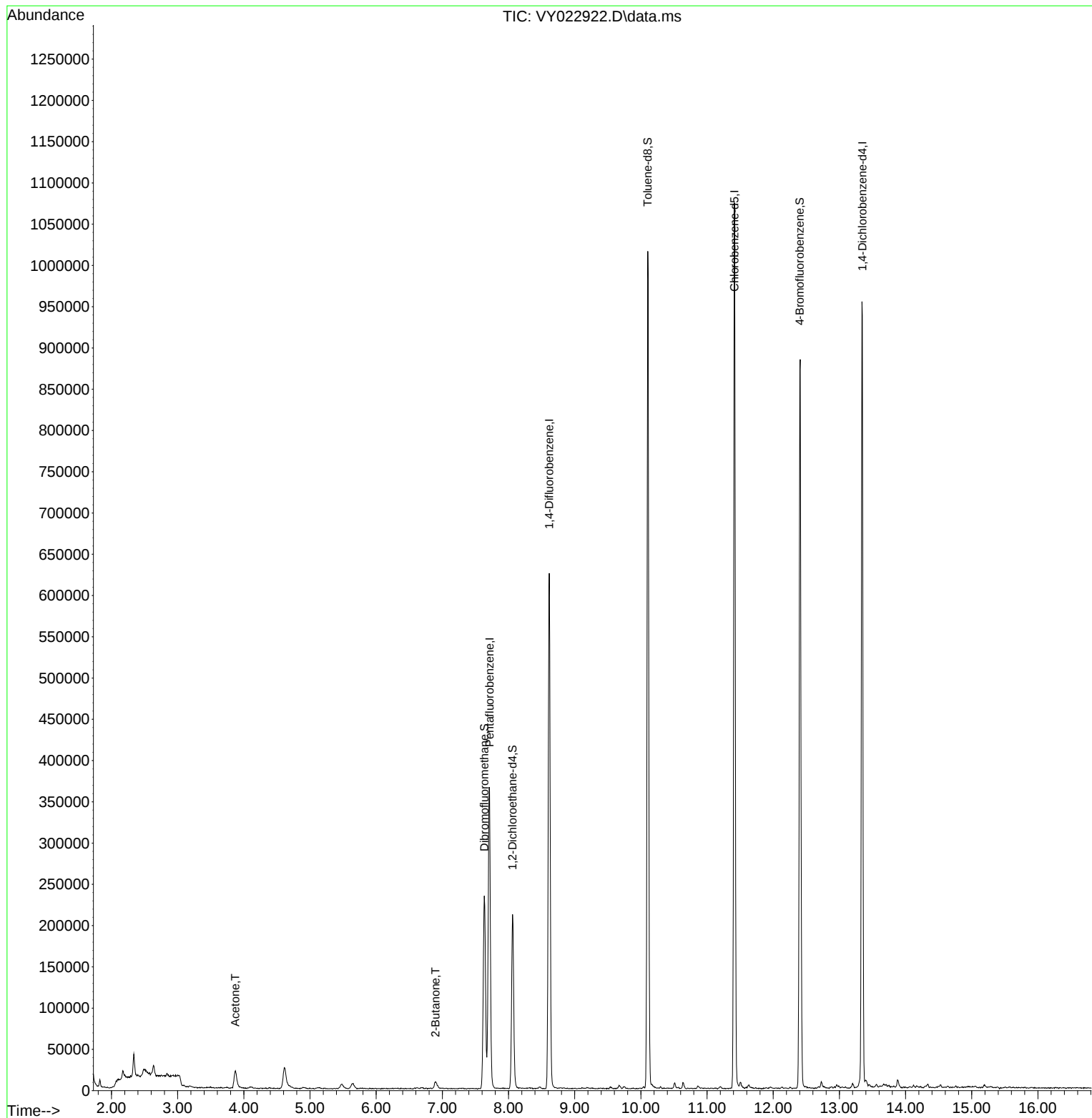
Internal Standards						
1) Pentafluorobenzene	7.713	168	274972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	525710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	234763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165796	54.023	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.634	113	167254	52.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.620%	
50) Toluene-d8	10.103	98	647006	50.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	12.401	95	237694	58.282	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.560%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	39761	68.547	ug/l	96
25) 2-Butanone	6.896	43	15040	17.815	ug/l #	86

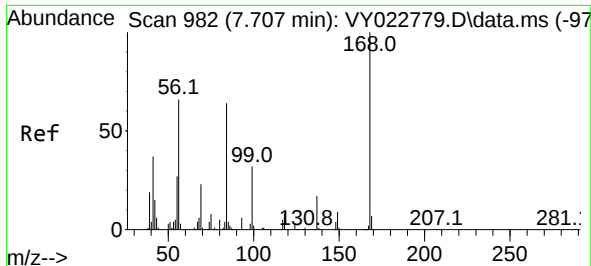
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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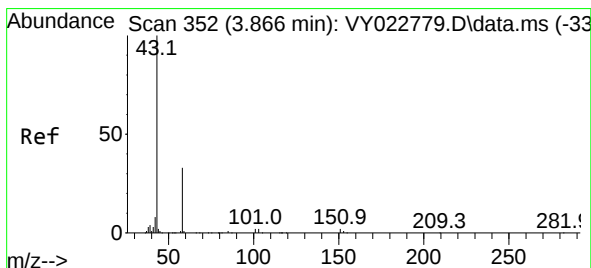
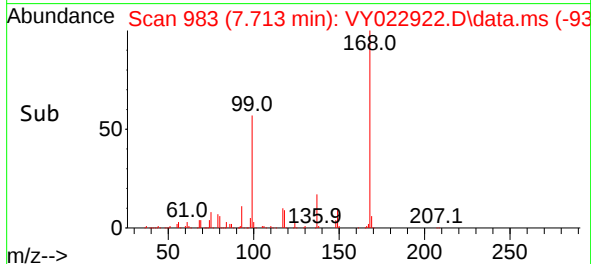
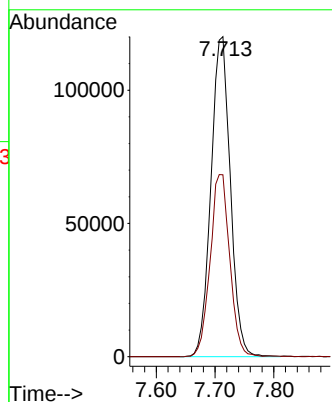
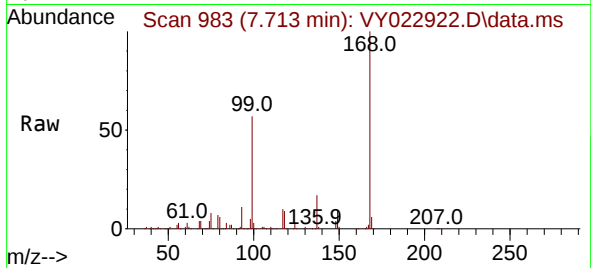




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

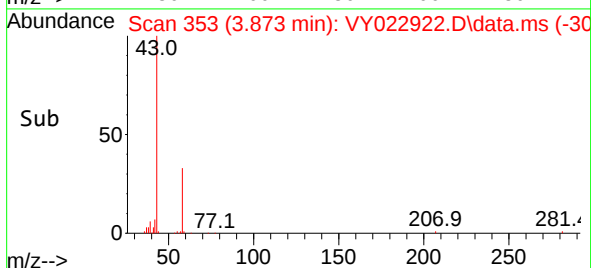
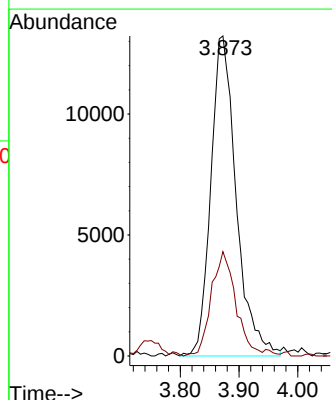
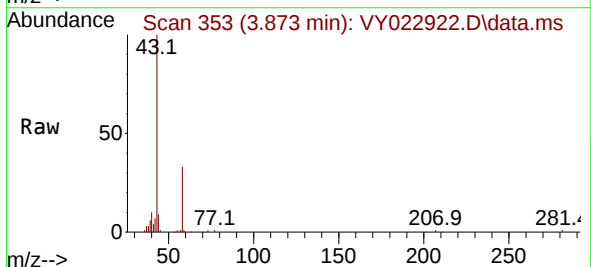
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

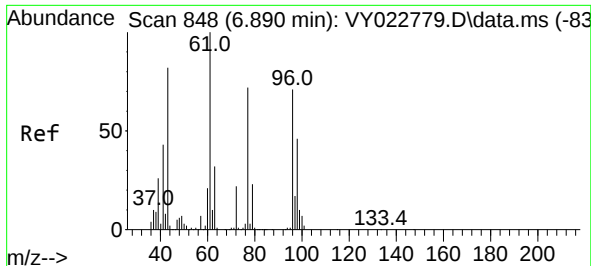
Tgt Ion:168 Resp: 274972
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#16
Acetone
Concen: 68.547 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 43 Resp: 39761
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0

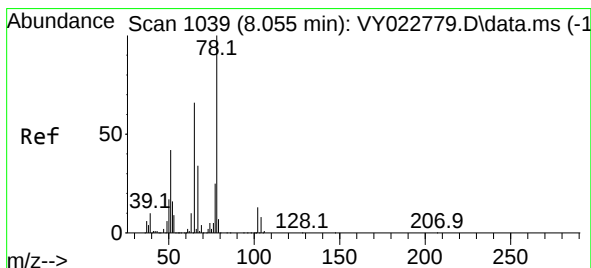
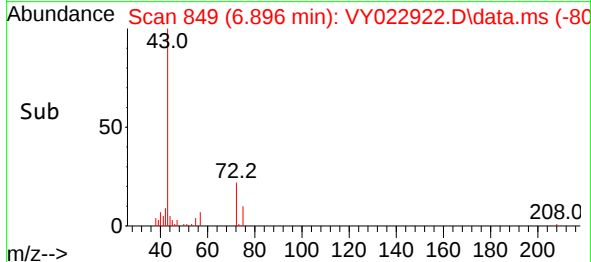
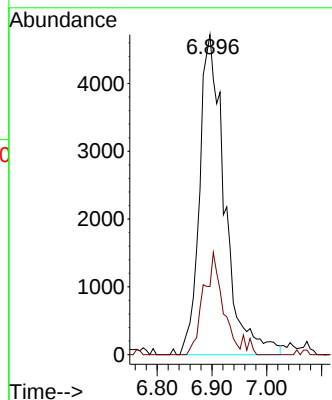
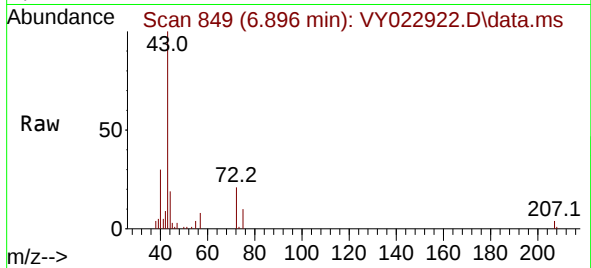




#25
2-Butanone
Concen: 17.815 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

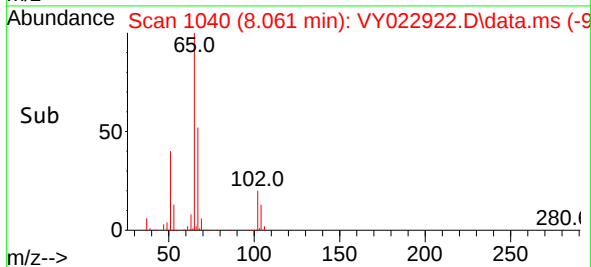
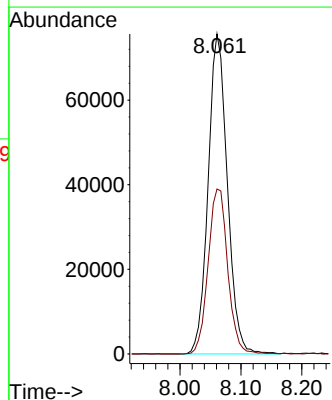
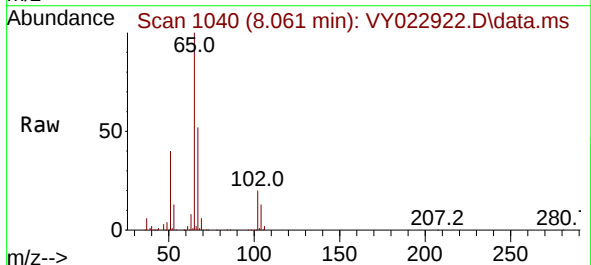
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

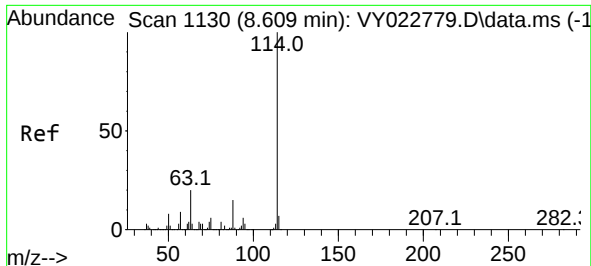
Tgt Ion: 43 Resp: 15040
Ion Ratio Lower Upper
43 100
72 21.3 22.9 34.3#



#33
1,2-Dichloroethane-d4
Concen: 54.023 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 65 Resp: 165796
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

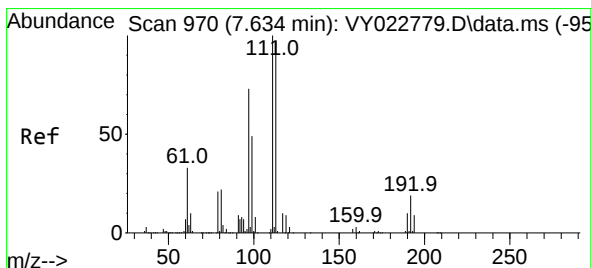
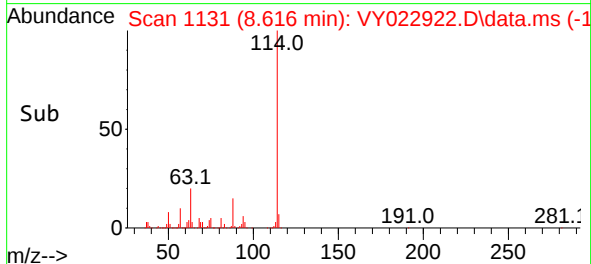
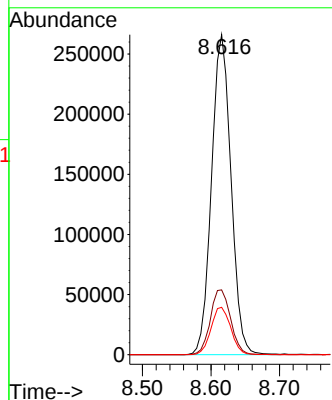
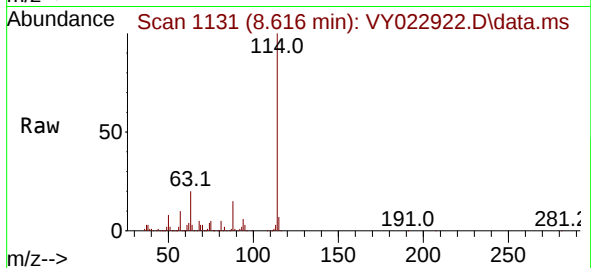




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

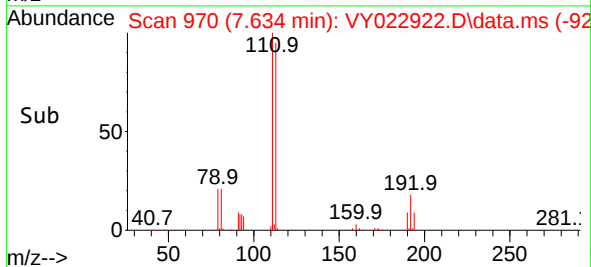
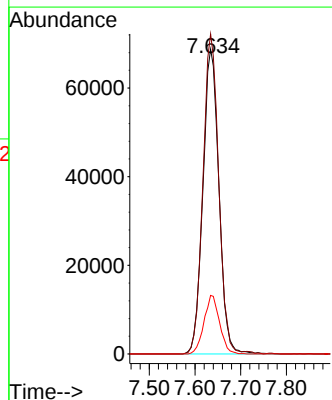
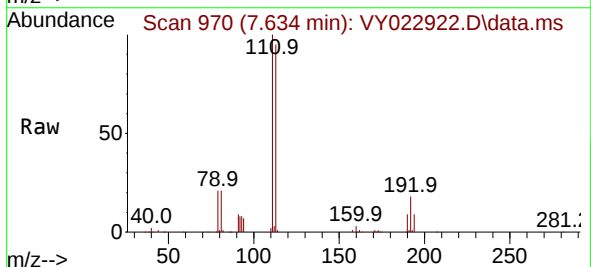
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

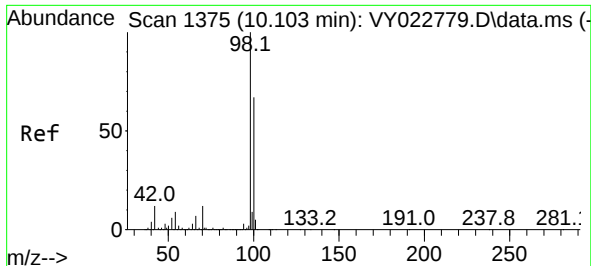
Tgt Ion:114 Resp: 525710
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.314 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion:113 Resp: 167254
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 18.6 14.2 21.2

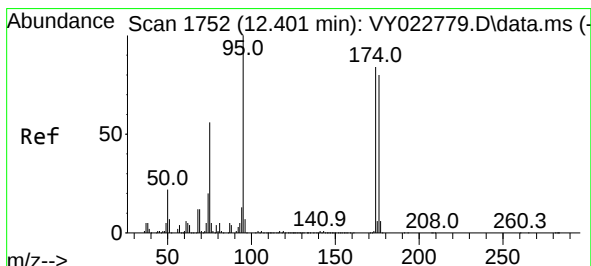
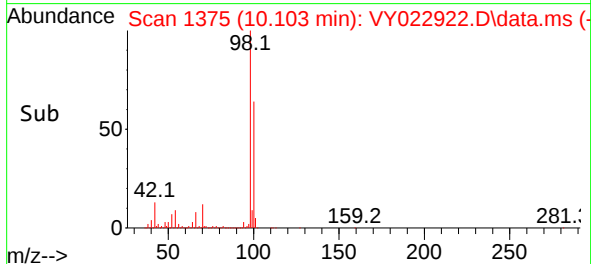
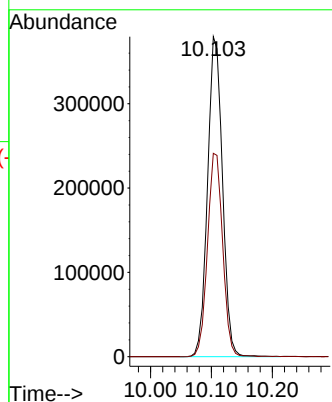
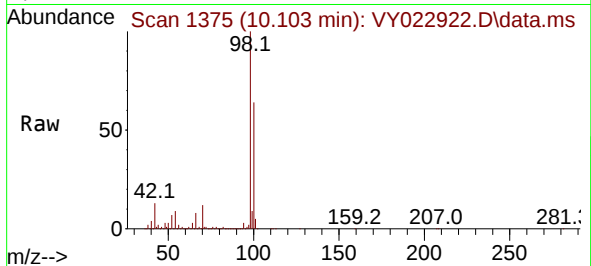




#50
Toluene-d8
Concen: 50.999 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

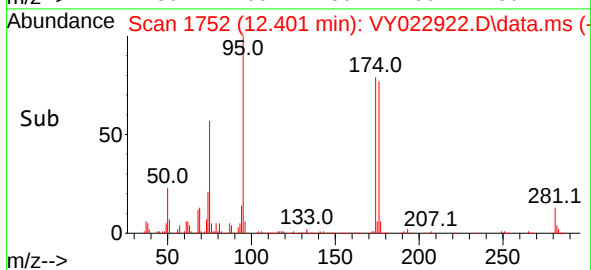
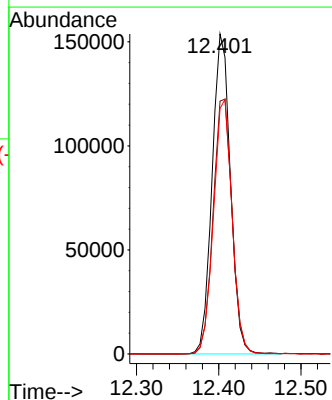
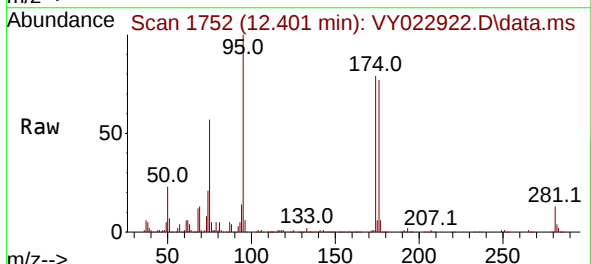
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

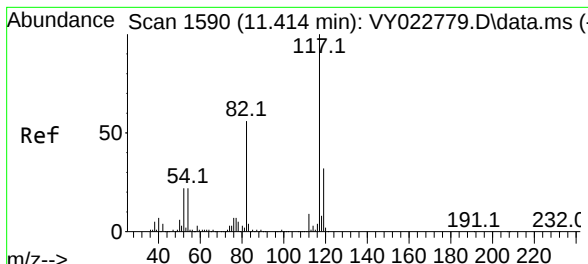
Tgt Ion: 98 Resp: 647006
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 58.282 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022922.D
Acq: 02 Jul 2025 19:04

Tgt Ion: 95 Resp: 237694
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.0
176 80.5 0.0 166.2

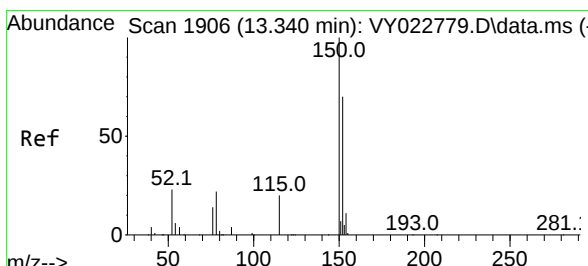
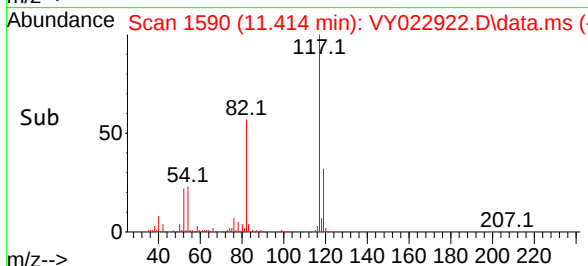
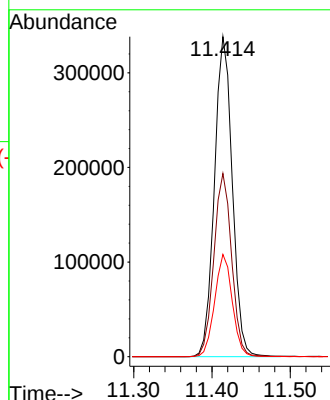
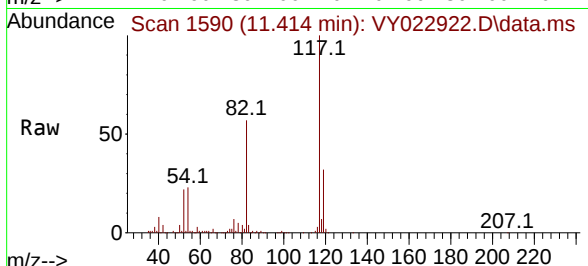




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.414 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY022922.D
 Acq: 02 Jul 2025 19:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Tgt Ion:	117	Resp:	536648
Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	31.9	25.4	38.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022922.D
 Acq: 02 Jul 2025 19:04

Tgt Ion:	152	Resp:	234763
Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	157.2	0.0	349.6

