

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042825\  
 Data File : VY022029.D  
 Acq On : 28 Apr 2025 14:18  
 Operator : SY/MD  
 Sample : Q1895-01  
 Misc : 4.36g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1

Quant Time: Apr 29 03:53:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	310842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	586624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	520449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	190689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154546	53.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.660%
35) Dibromofluoromethane	7.634	113	201381	51.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.920%
50) Toluene-d8	10.109	98	707083	48.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.780%
62) 4-Bromofluorobenzene	12.408	95	189948	38.618	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.240%

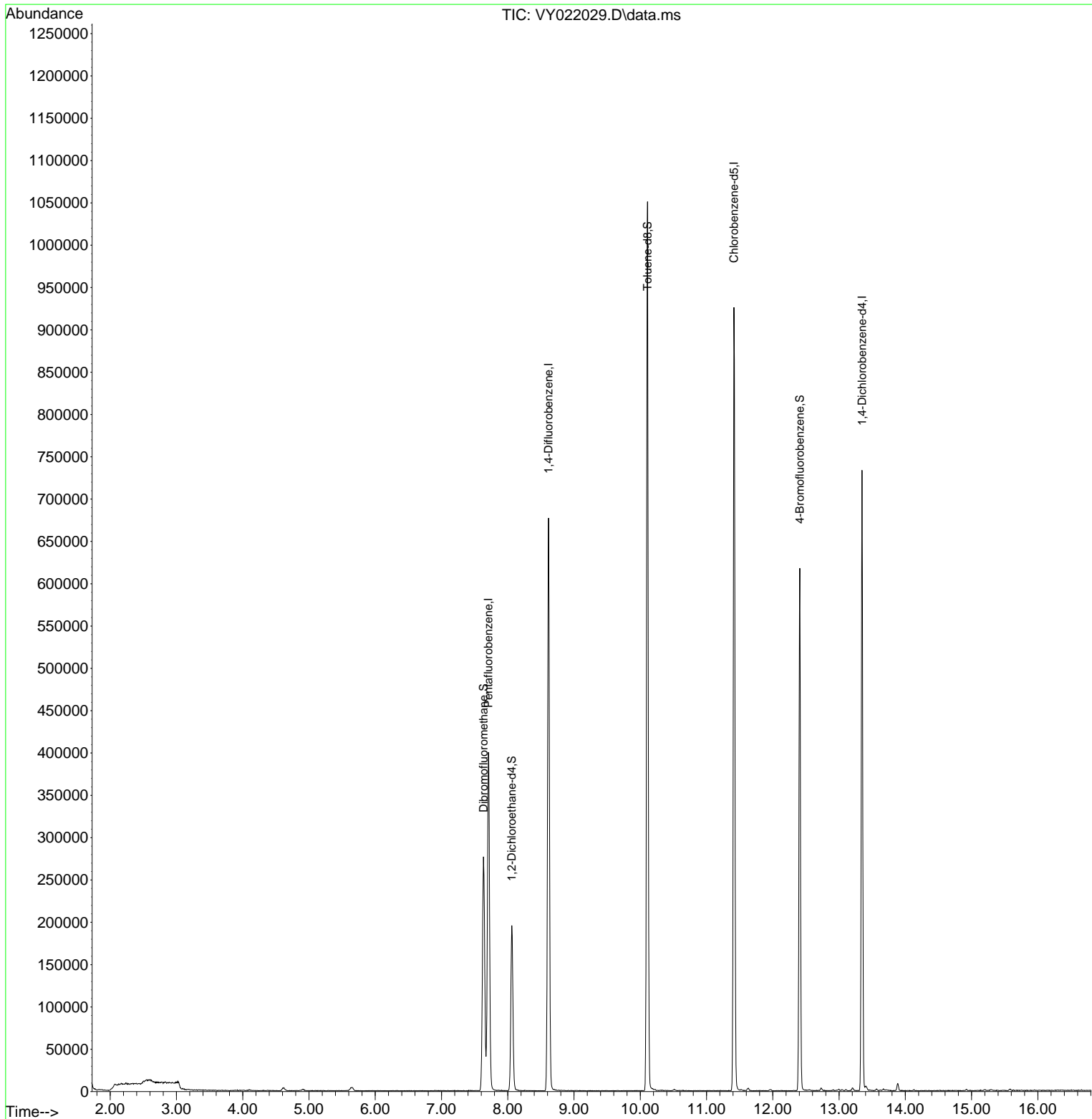
Target Compounds Qvalue

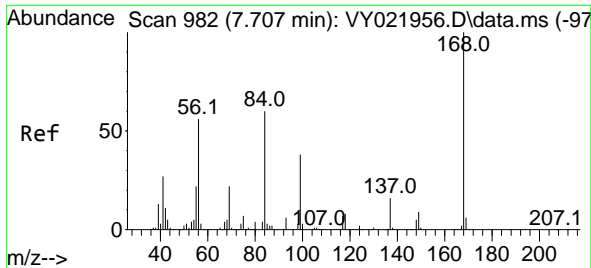
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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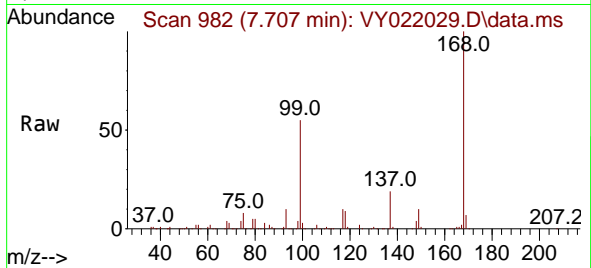
Quant Time: Apr 29 03:53:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
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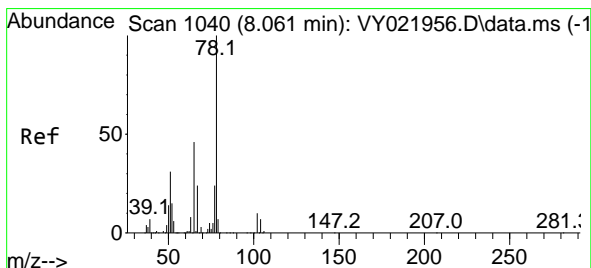
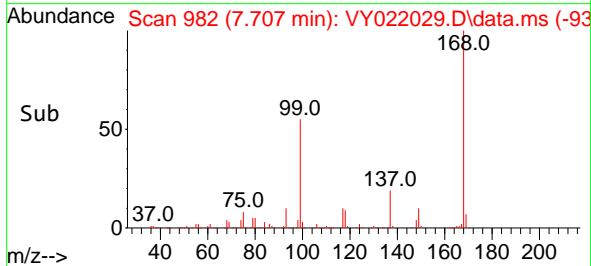
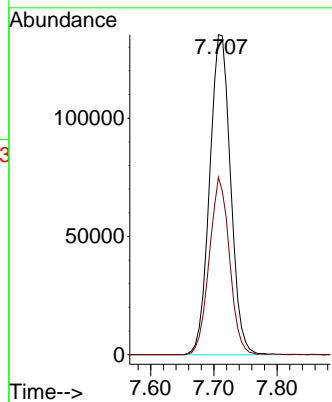


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.707 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18

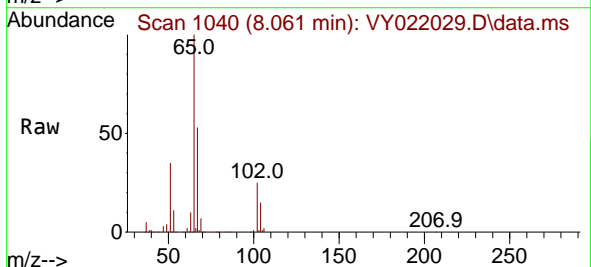
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1



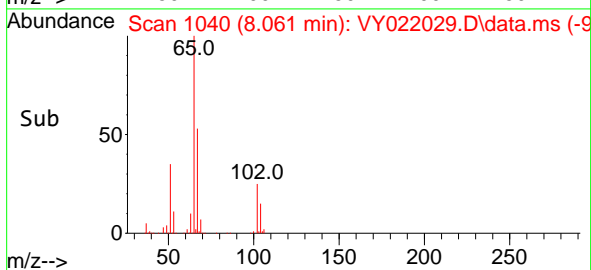
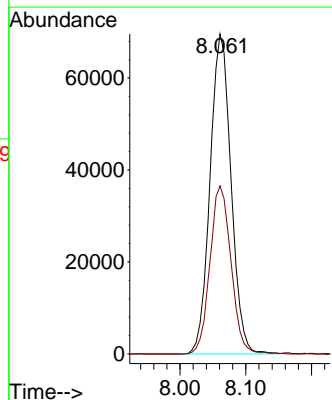
Tgt Ion:168 Resp: 310842  
 Ion Ratio Lower Upper  
 168 100  
 99 55.5 43.1 64.7

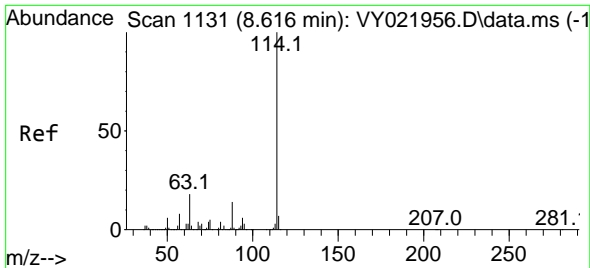


#33  
 1,2-Dichloroethane-d4  
 Concen: 53.826 ug/l  
 RT: 8.061 min Scan# 1040  
 Delta R.T. -0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18



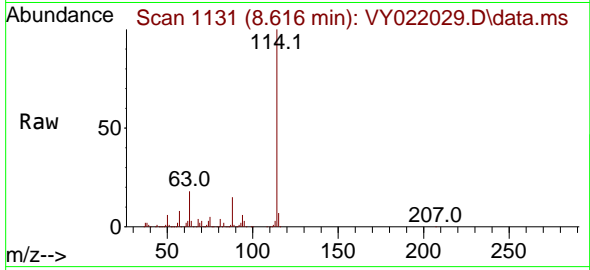
Tgt Ion: 65 Resp: 154546  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 105.8





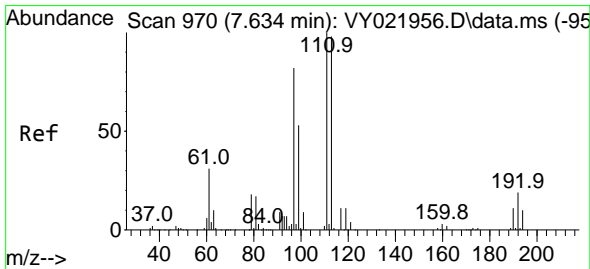
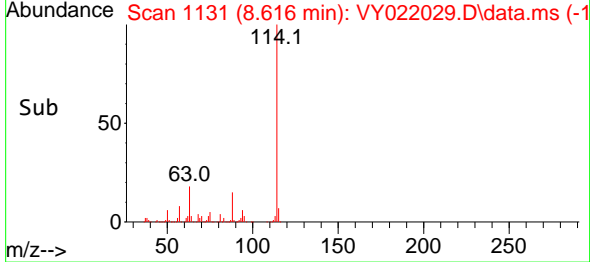
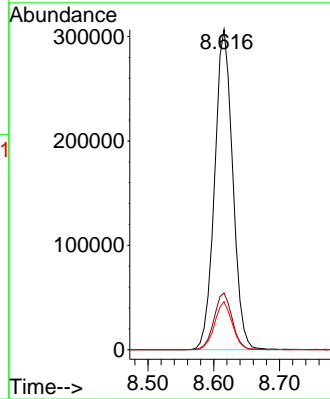
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18

Instrument : MSVOA\_Y  
 ClientSampleId : VY022029.D  
 COMP-1

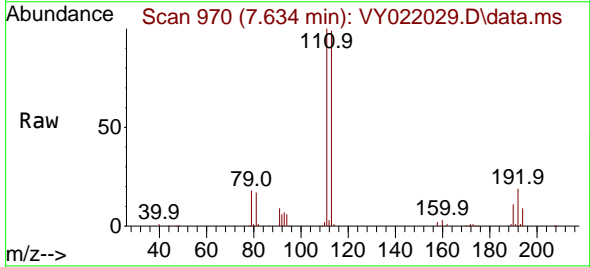


Tgt Ion:114 Resp: 586624

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	15.0	0.0	28.2

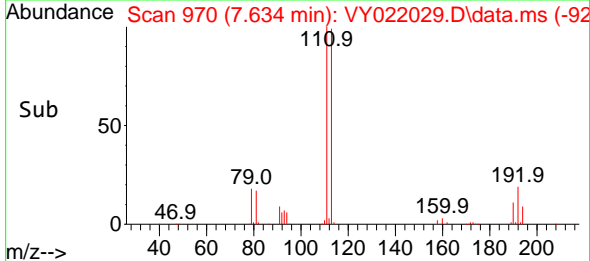
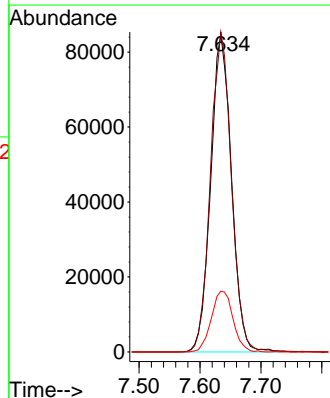


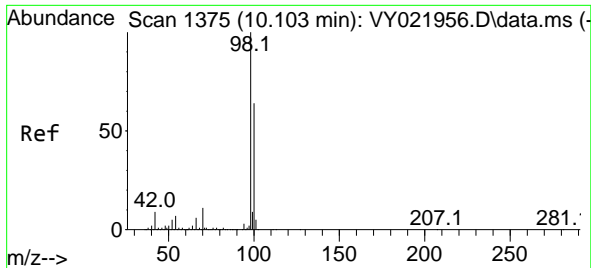
#35  
 Dibromofluoromethane  
 Concen: 51.962 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. -0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18



Tgt Ion:113 Resp: 201381

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.0	15.6	23.4

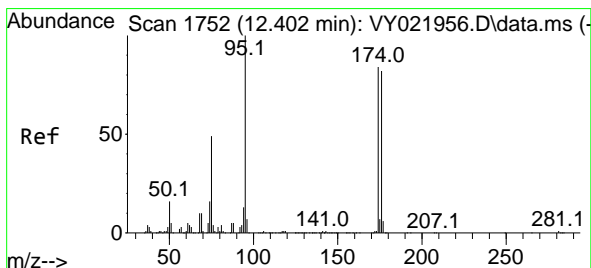
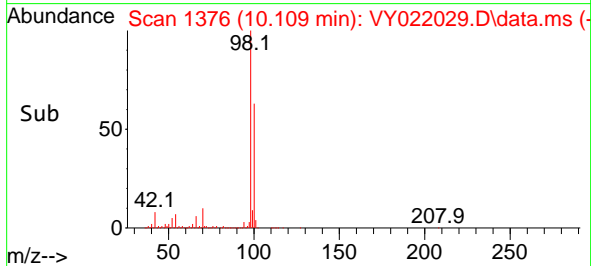
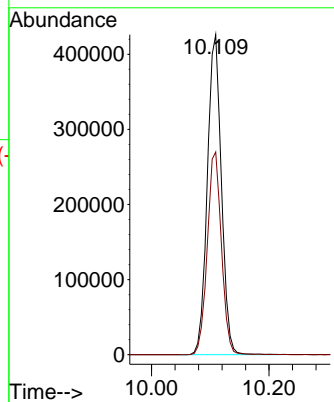
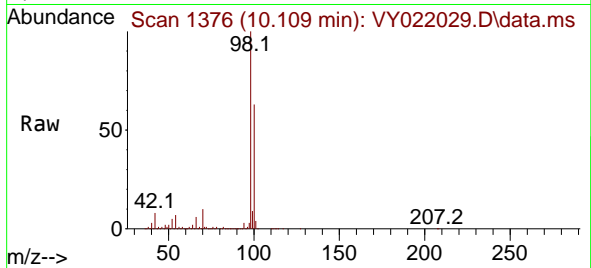




#50  
 Toluene-d8  
 Concen: 48.395 ug/l  
 RT: 10.109 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18

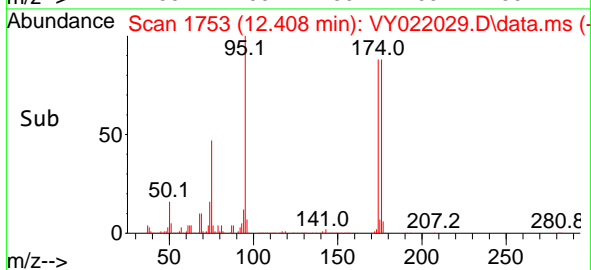
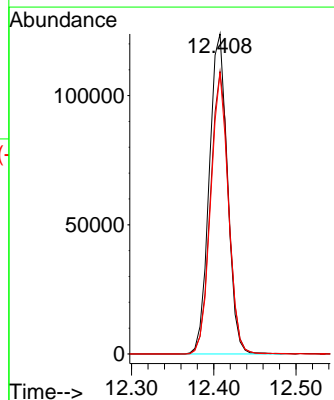
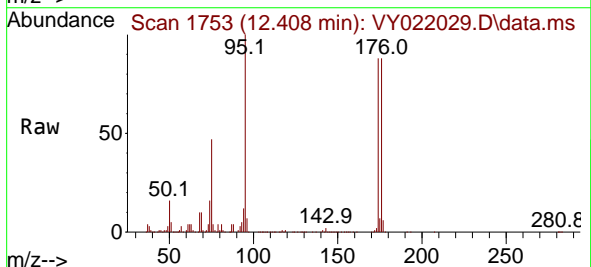
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1

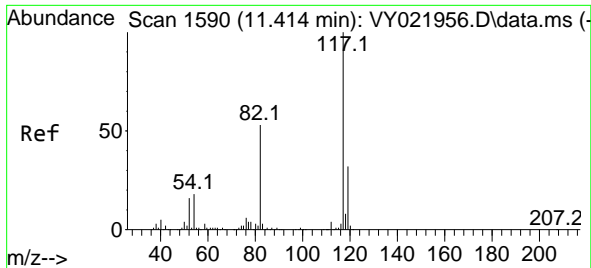
Tgt Ion: 98 Resp: 707083  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 51.6 77.4



#62  
 4-Bromofluorobenzene  
 Concen: 38.618 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. 0.006 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18

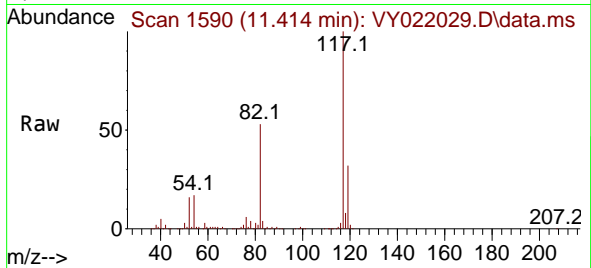
Tgt Ion: 95 Resp: 189948  
 Ion Ratio Lower Upper  
 95 100  
 174 88.7 0.0 179.0  
 176 85.2 0.0 171.8



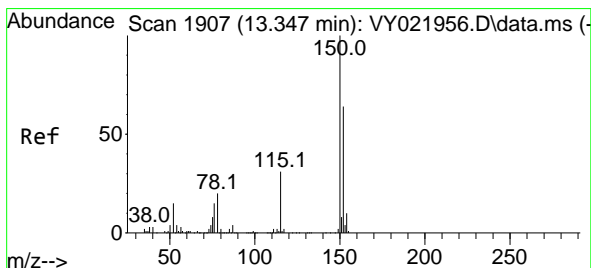
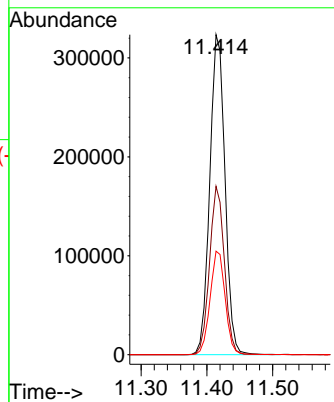
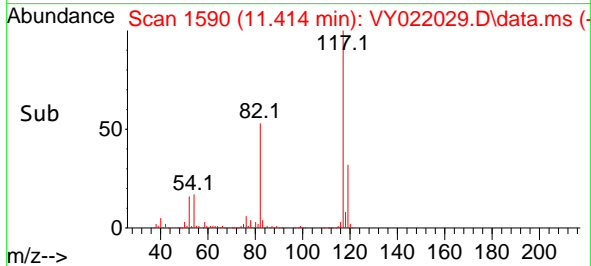


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.414 min Scan# 117  
 Delta R.T. -0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18

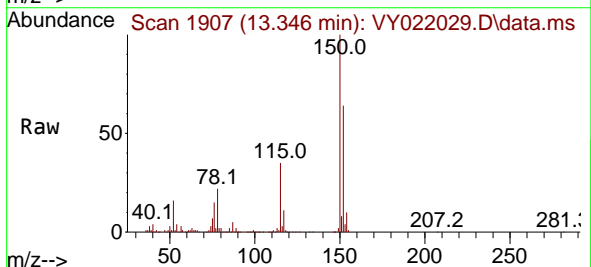
Instrument : MSVOA\_Y  
 ClientSampleId : COMP-1



Tgt Ion:117 Resp: 520449  
 Ion Ratio Lower Upper  
 117 100  
 82 52.6 42.1 63.1  
 119 32.4 25.7 38.5



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY022029.D  
 Acq: 28 Apr 2025 14:18



Tgt Ion:152 Resp: 190689  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.0 84.0  
 150 156.2 0.0 345.6

