

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100225\  
 Data File : VX047967.D  
 Acq On : 02 Oct 2025 14:50  
 Operator : JC/MD  
 Sample : Q3194-17  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**ClientSampleId :**  
 FB01-20250924

Quant Time: Oct 03 03:31:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	130485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	269304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111156	53.518	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.040%
35) Dibromofluoromethane	5.373	113	88480	48.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.980%
50) Toluene-d8	8.635	98	307997	49.284	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.560%
62) 4-Bromofluorobenzene	11.067	95	131505	55.446	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.900%

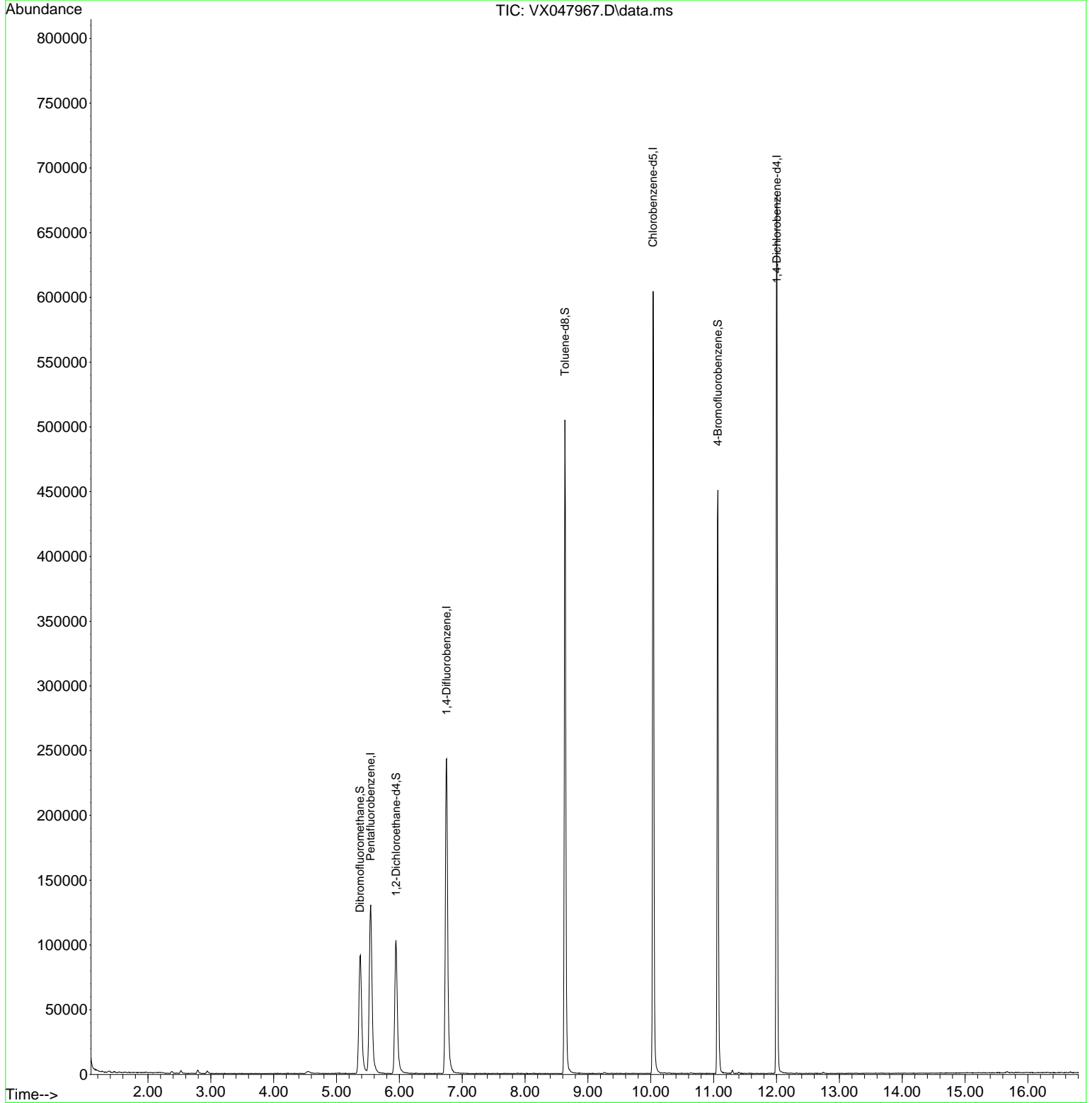
Target Compounds Qvalue

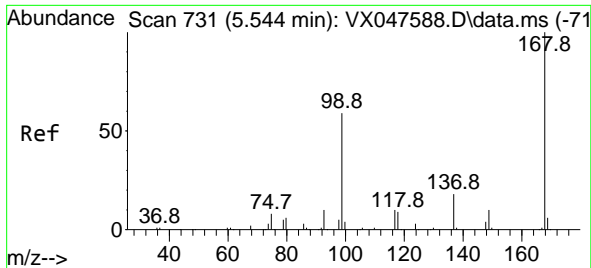
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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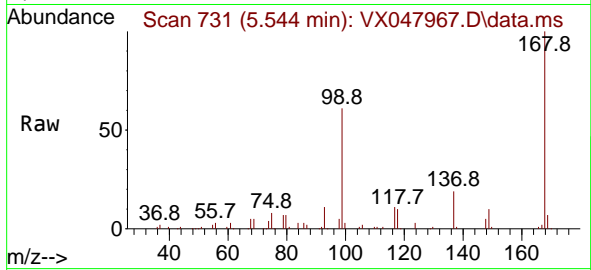
Quant Time: Oct 03 03:31:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
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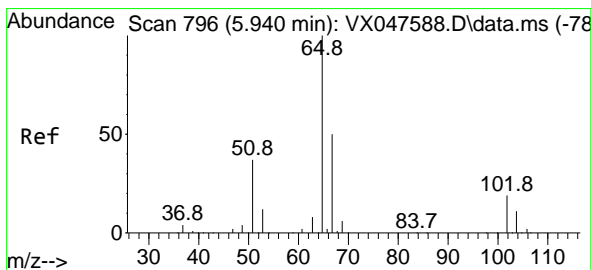
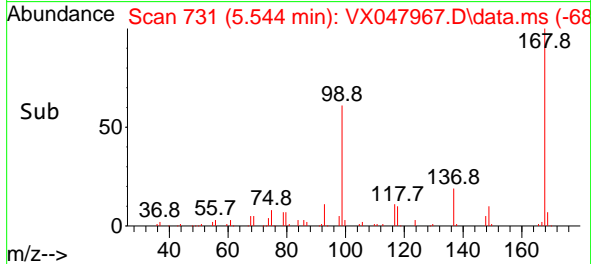
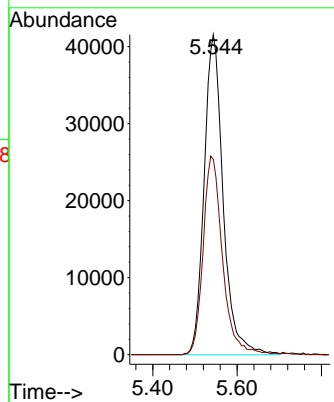


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.544 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

Instrument : MSVOA\_X  
 ClientSampleId : FB01-20250924

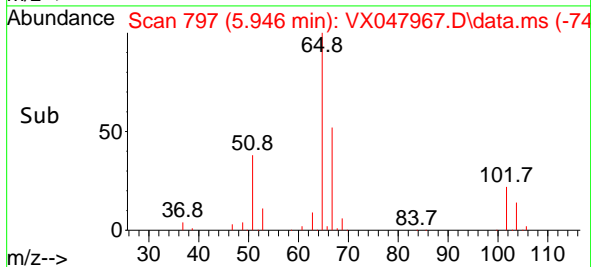
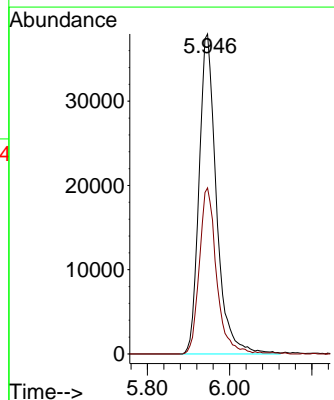
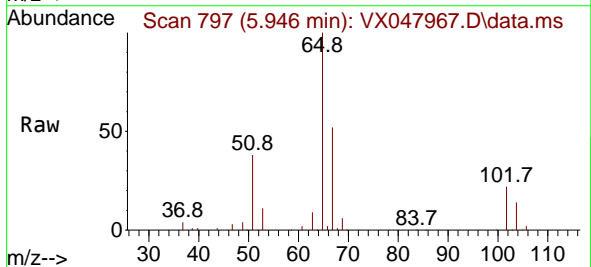


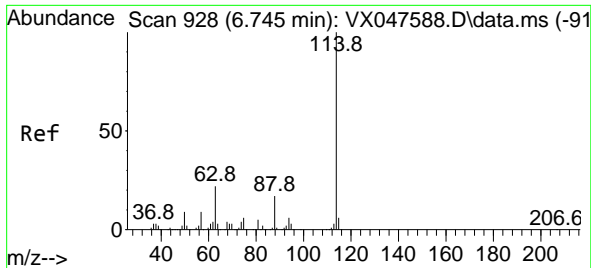
Tgt Ion:168 Resp: 130485  
 Ion Ratio Lower Upper  
 168 100  
 99 61.1 48.8 73.2



#33  
 1,2-Dichloroethane-d4  
 Concen: 53.518 ug/l  
 RT: 5.946 min Scan# 797  
 Delta R.T. 0.006 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

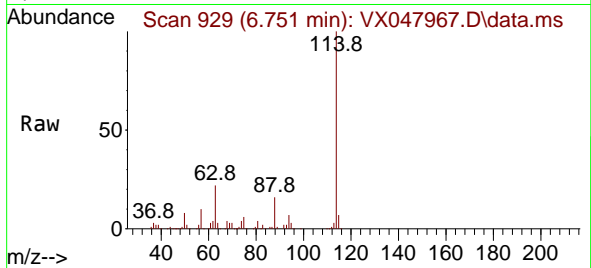
Tgt Ion: 65 Resp: 111156  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 103.0



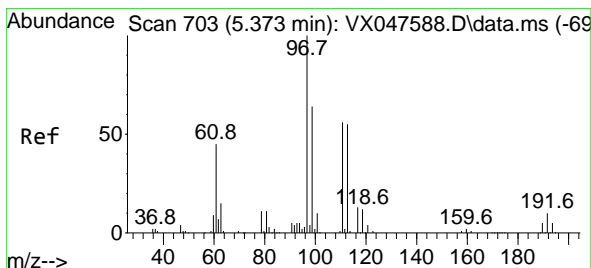
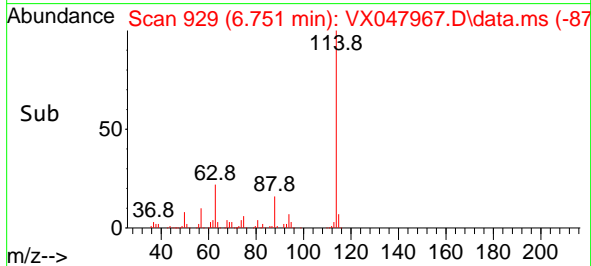
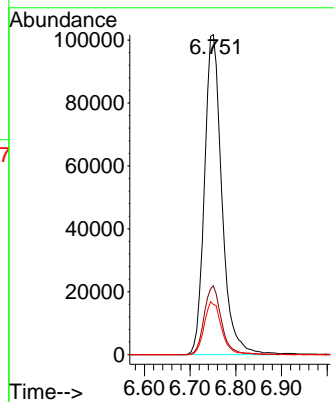


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.751 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

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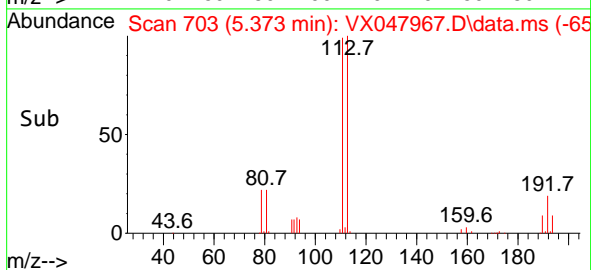
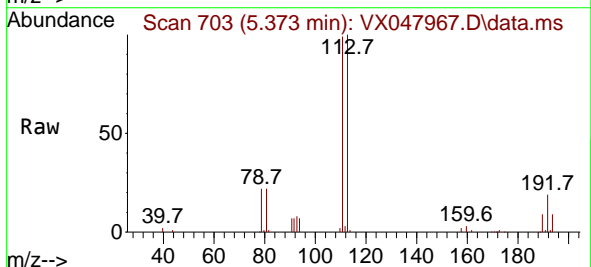
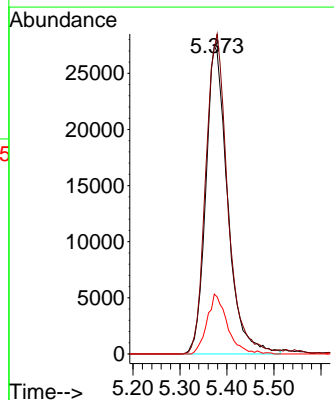


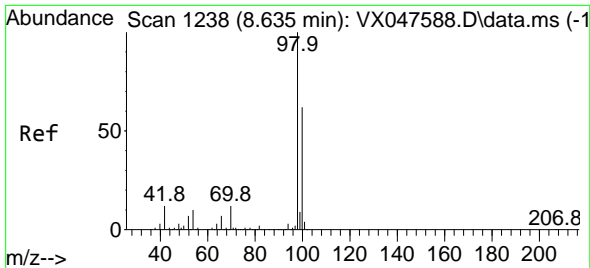
Tgt Ion:114 Resp: 269304  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 44.0  
 88 15.7 0.0 34.2



#35  
 Dibromofluoromethane  
 Concen: 48.990 ug/l  
 RT: 5.373 min Scan# 703  
 Delta R.T. -0.000 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

Tgt Ion:113 Resp: 88480  
 Ion Ratio Lower Upper  
 113 100  
 111 104.4 80.9 121.3  
 192 18.2 14.2 21.4

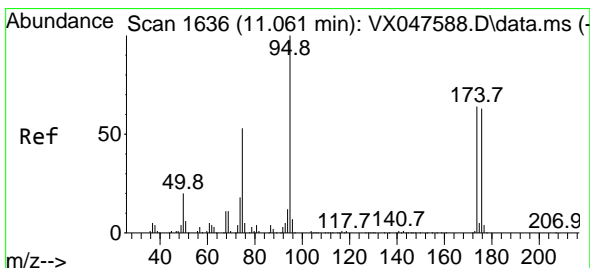
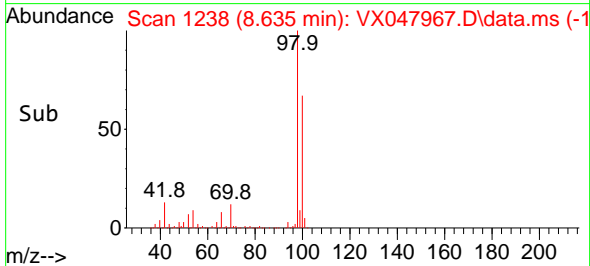
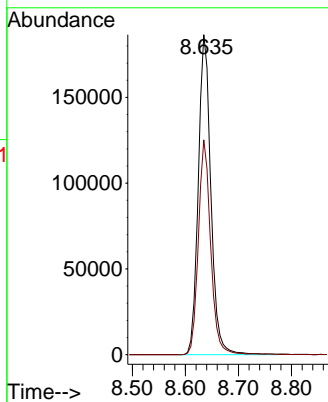
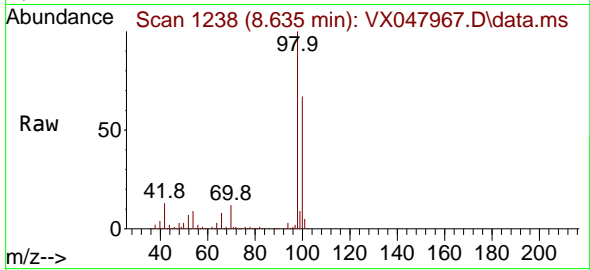




#50  
 Toluene-d8  
 Concen: 49.284 ug/l  
 RT: 8.635 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

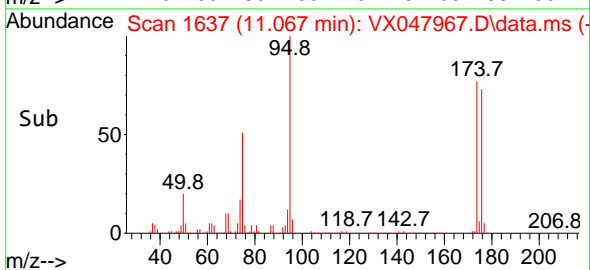
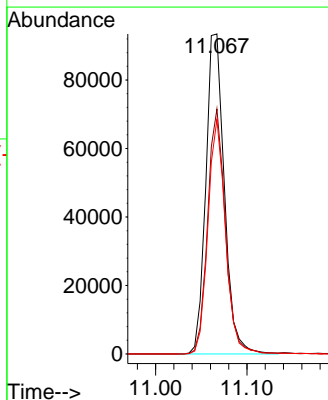
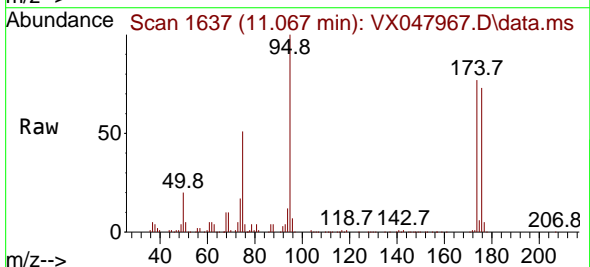
Instrument : MSVOA\_X  
 ClientSampleId : FB01-20250924

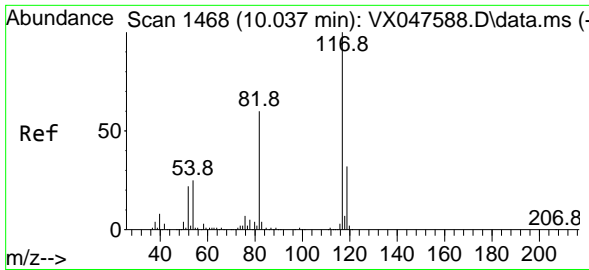
Tgt Ion: 98 Resp: 307997  
 Ion Ratio Lower Upper  
 98 100  
 100 65.4 53.0 79.4



#62  
 4-Bromofluorobenzene  
 Concen: 55.446 ug/l  
 RT: 11.067 min Scan# 1637  
 Delta R.T. 0.006 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

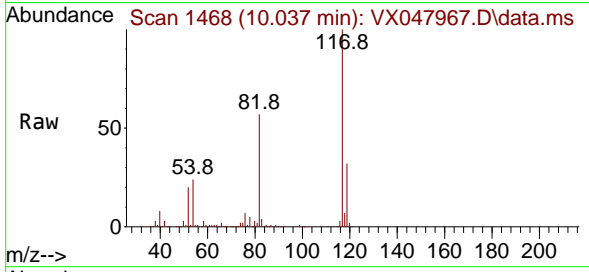
Tgt Ion: 95 Resp: 131505  
 Ion Ratio Lower Upper  
 95 100  
 174 73.5 0.0 141.6  
 176 69.5 0.0 138.4





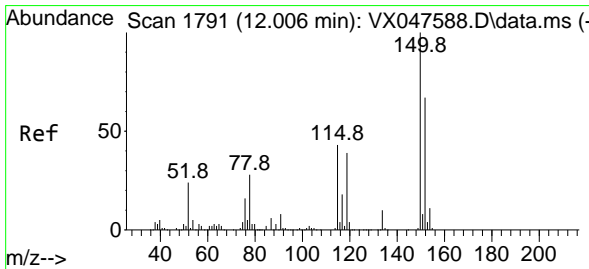
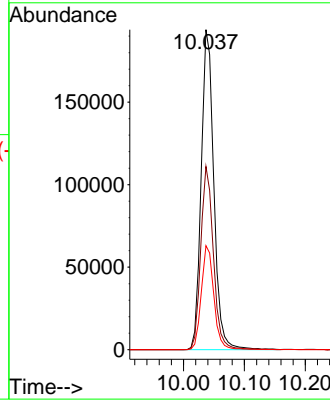
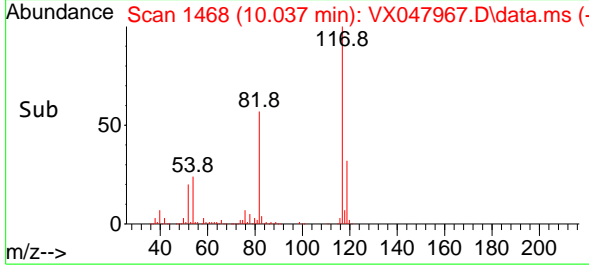
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.037 min Scan# 1468  
 Delta R.T. -0.000 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50

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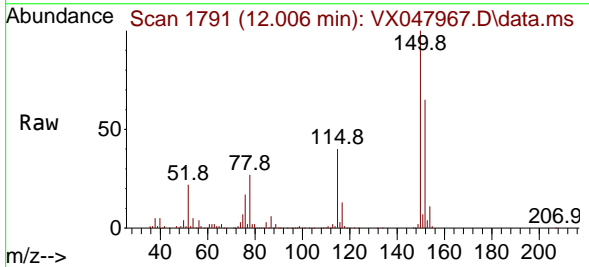


Tgt Ion:117 Resp: 279800

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.8	71.6
119	32.5	25.2	37.8



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX047967.D  
 Acq: 02 Oct 2025 14:50



Tgt Ion:152 Resp: 142205

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	156.3	0.0	352.0

