

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047434.D
 Acq On : 20 Aug 2025 12:11
 Operator : JC/MD
 Sample : Q2815-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Aug 21 01:29:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	317644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	633243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	619750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	313519	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	249104	56.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.060%
35) Dibromofluoromethane	5.403	113	208667	50.773	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.540%
50) Toluene-d8	8.653	98	748732	50.970	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.940%
62) 4-Bromofluorobenzene	11.079	95	305594	56.375	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.760%

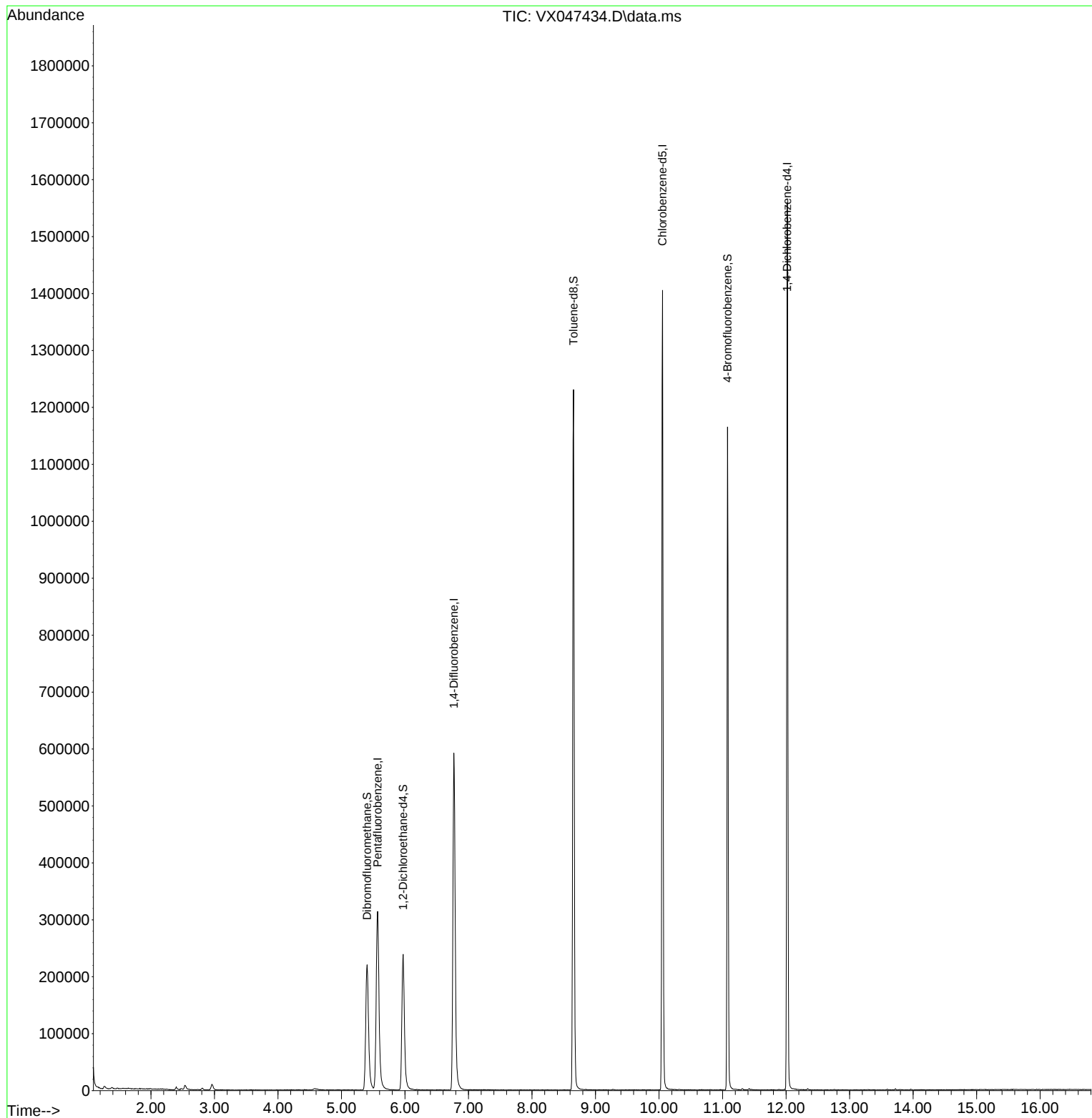
Target Compounds	Qvalue

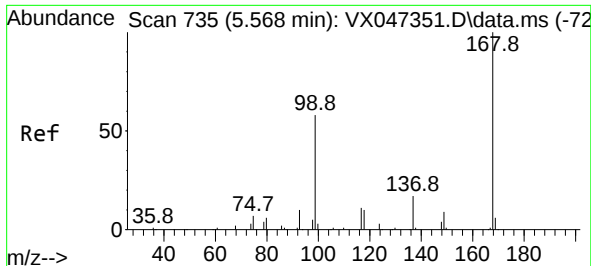
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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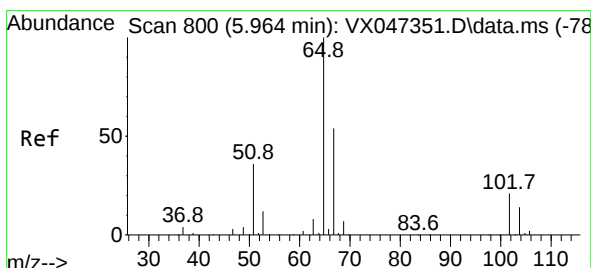
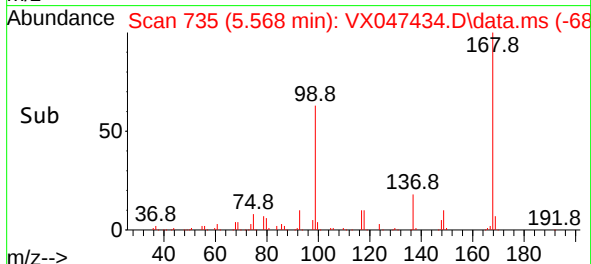
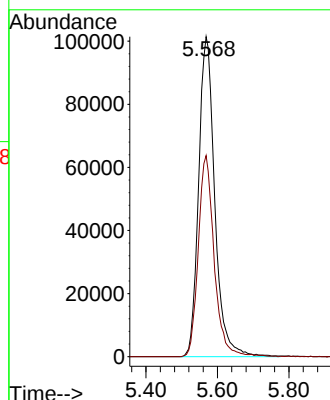
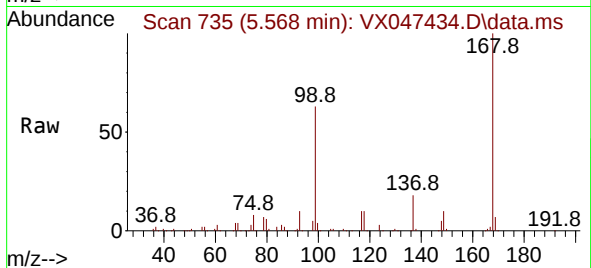




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

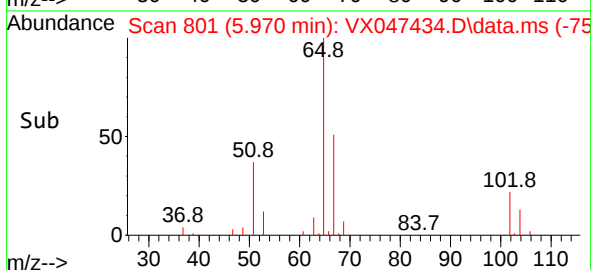
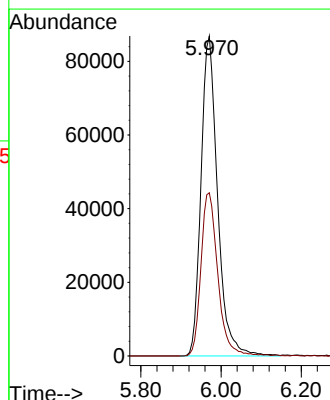
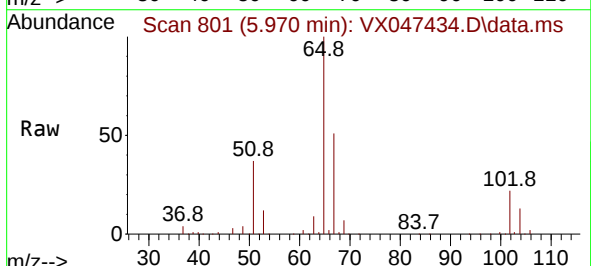
Instrument :
MSVOA_X
ClientSampleId :
FB

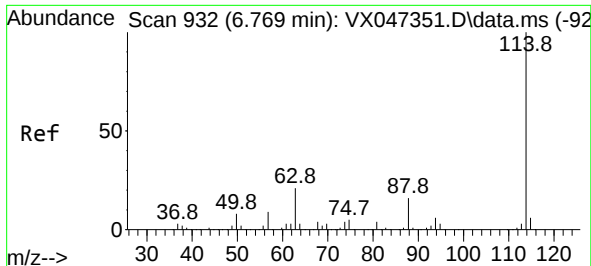
Tgt Ion:168 Resp: 317644
Ion Ratio Lower Upper
168 100
99 62.8 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 56.035 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 65 Resp: 249104
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0

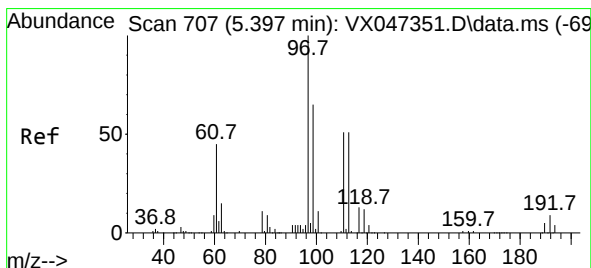
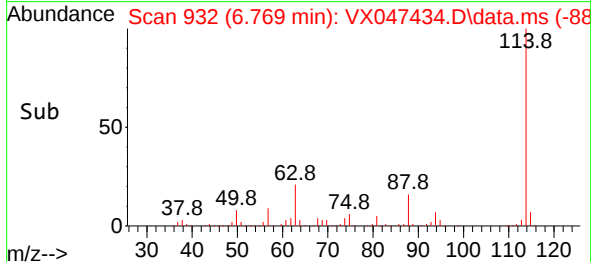
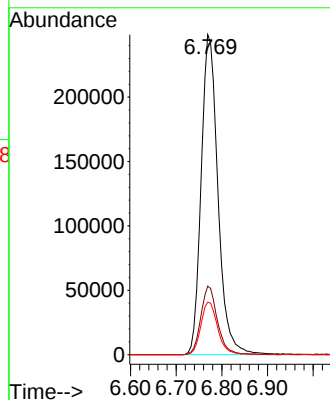
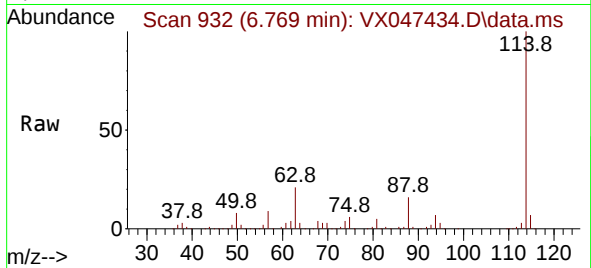




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

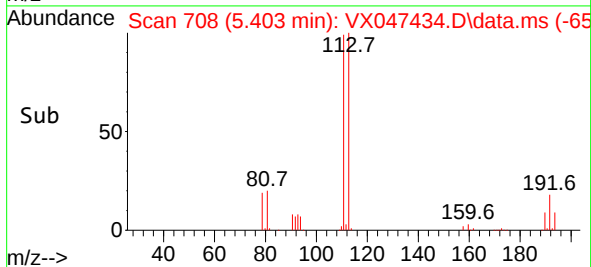
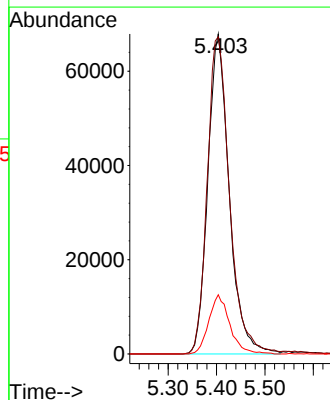
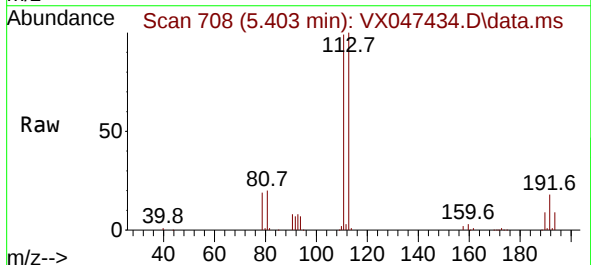
Instrument :
MSVOA_X
ClientSampleId :
FB

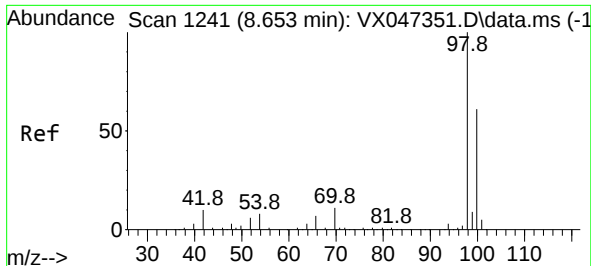
Tgt Ion:114 Resp: 633243
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.4
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.773 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion:113 Resp: 208667
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.2
192 18.2 14.1 21.1

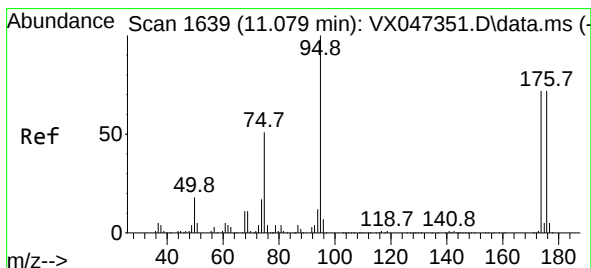
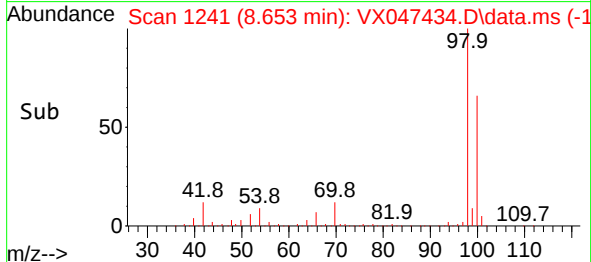
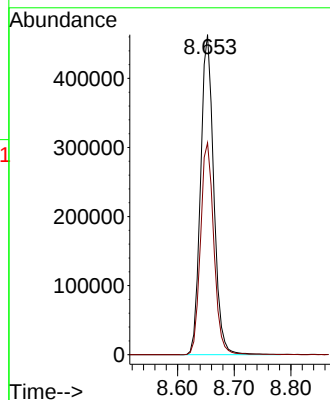
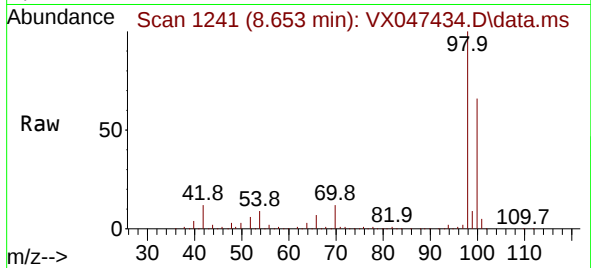




#50
Toluene-d8
Concen: 50.970 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

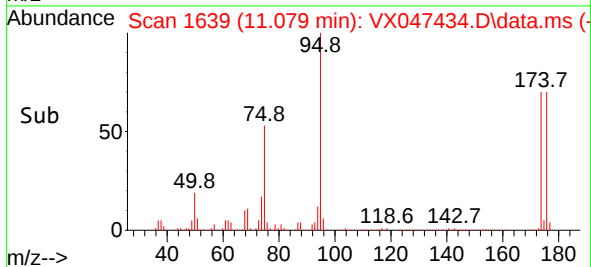
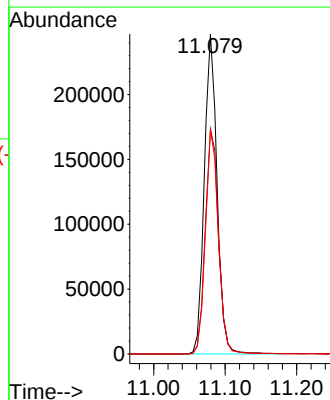
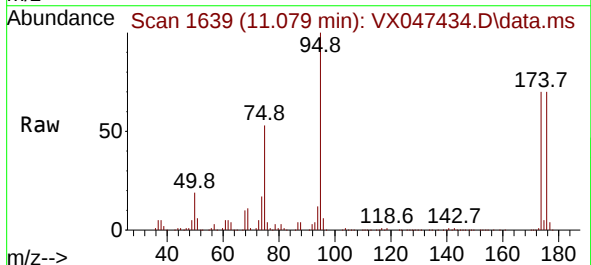
Instrument :
MSVOA_X
ClientSampleId :
FB

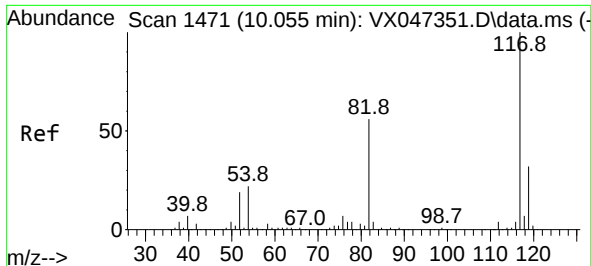
Tgt Ion: 98 Resp: 748732
Ion Ratio Lower Upper
98 100
100 66.9 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 56.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion: 95 Resp: 305594
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 71.1 0.0 145.4

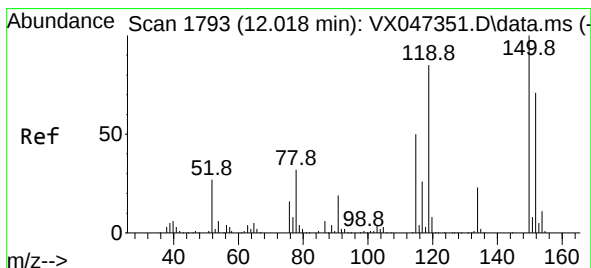
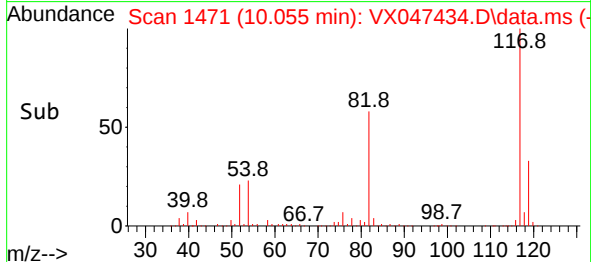
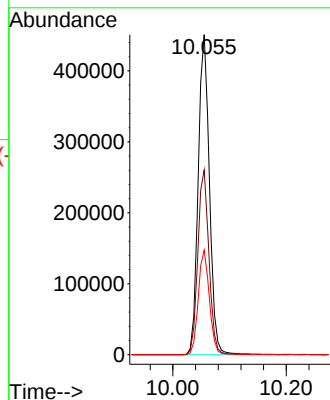
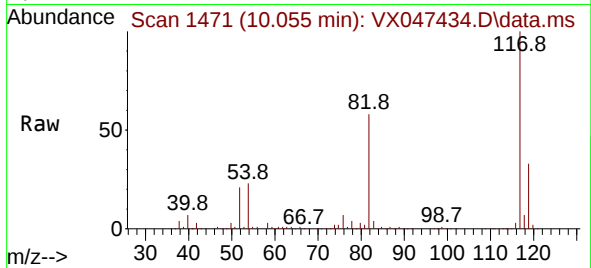




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:117 Resp: 619750
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047434.D
Acq: 20 Aug 2025 12:11

Tgt Ion:152 Resp: 313519
Ion Ratio Lower Upper
152 100
115 61.1 44.6 133.8
150 155.2 0.0 349.8

