

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048458.D
 Acq On : 03 Nov 2025 15:41
 Operator : JC/MD
 Sample : Q3422-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR132-FB2-20251021

Quant Time: Nov 04 00:15:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	134520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	239042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	216803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106541	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112631	58.219	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.440%
35) Dibromofluoromethane	5.373	113	64704	47.476	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	8.635	98	272189	45.244	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.480%#
62) 4-Bromofluorobenzene	11.061	95	108248	48.100	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.200%

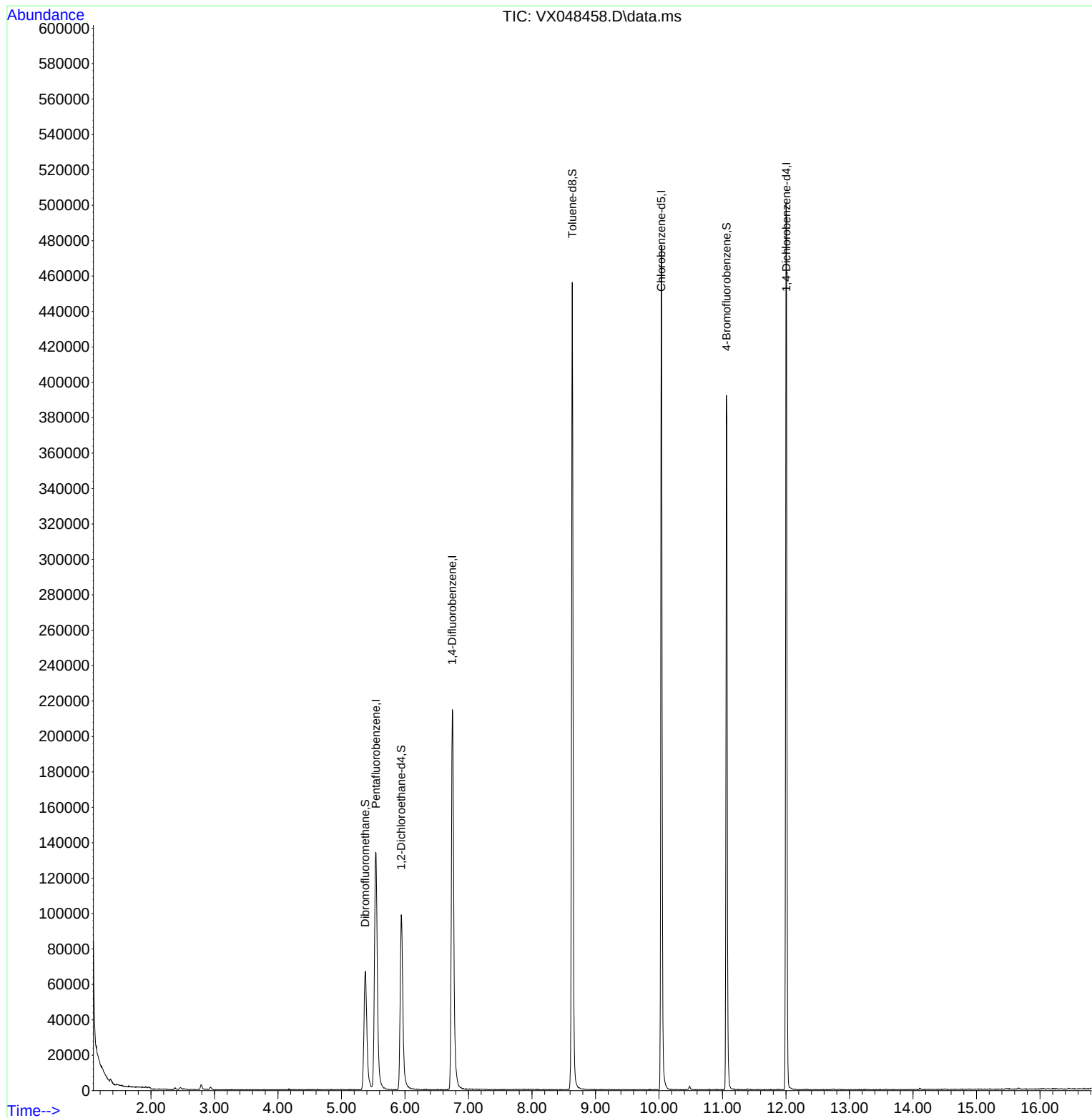
Target Compounds	Qvalue

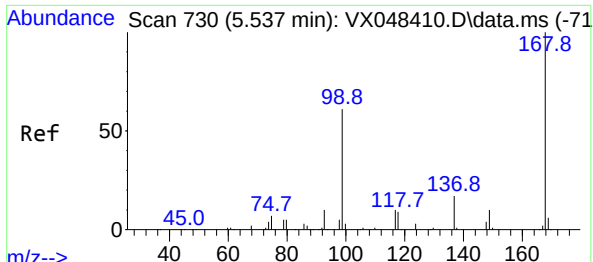
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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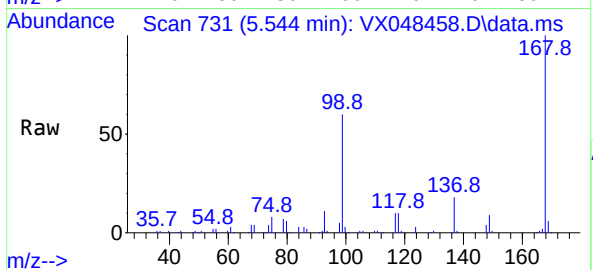
Quant Time: Nov 04 00:15:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
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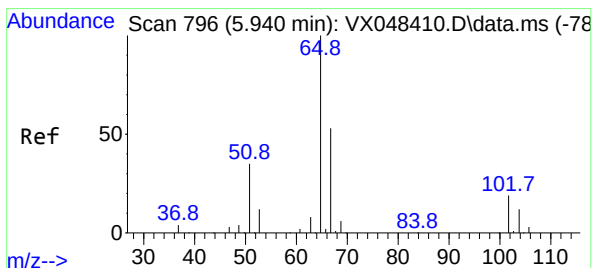
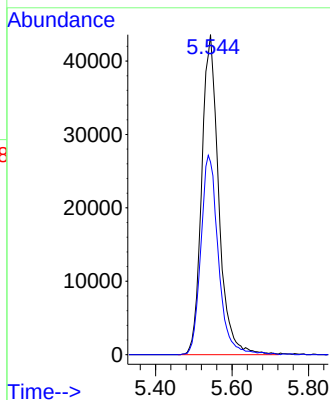
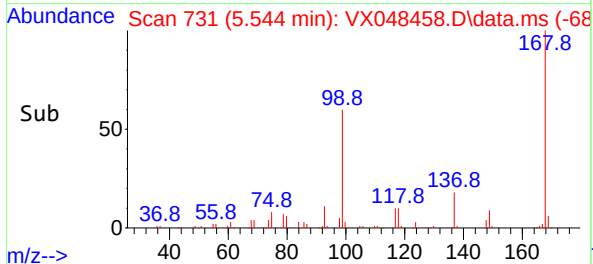


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.007 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

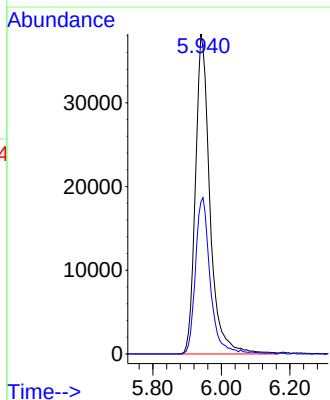
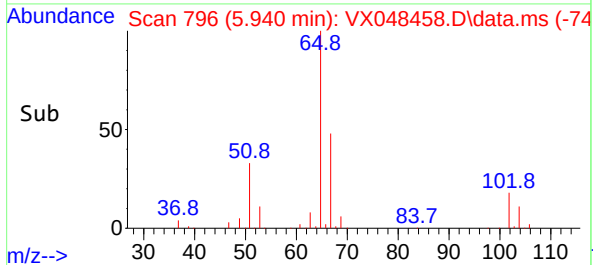
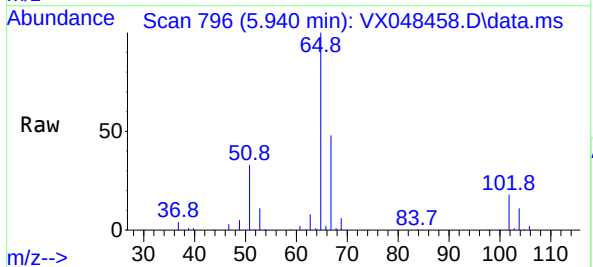


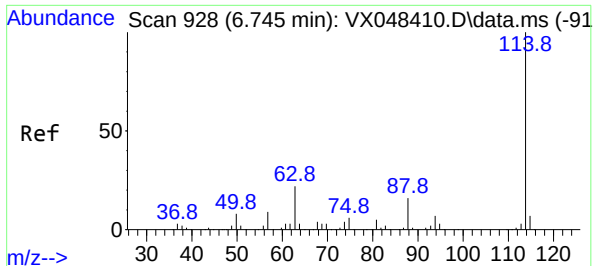
Tgt Ion:168 Resp: 134520
Ion Ratio Lower Upper
168 100
99 60.2 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 58.219 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion: 65 Resp: 112631
Ion Ratio Lower Upper
65 100
67 49.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

PR132-FB2-20251021

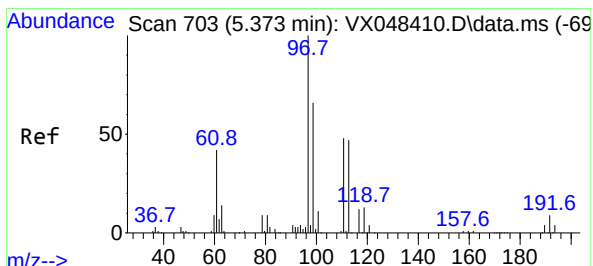
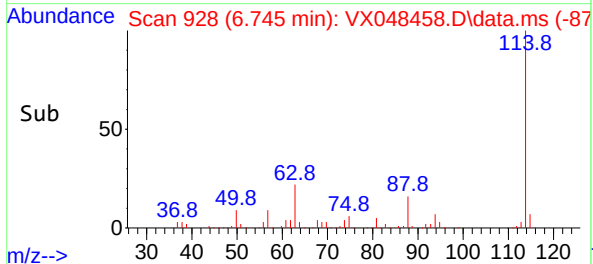
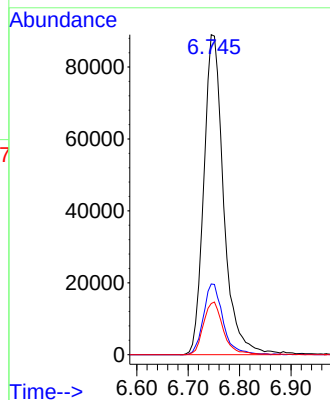
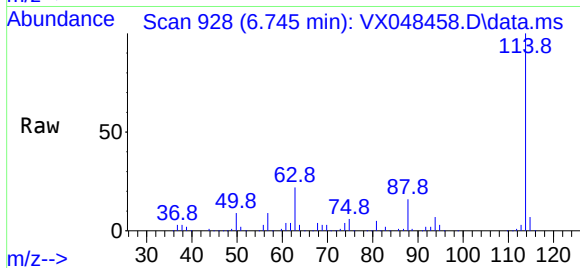
Tgt Ion:114 Resp: 239042

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

88 16.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 47.476 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048458.D

Acq: 03 Nov 2025 15:41

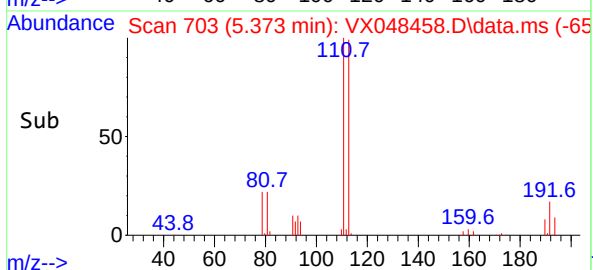
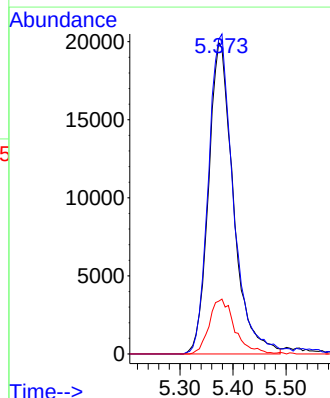
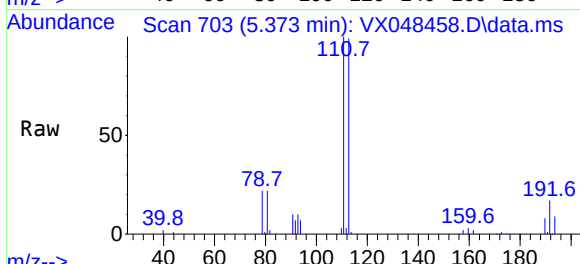
Tgt Ion:113 Resp: 64704

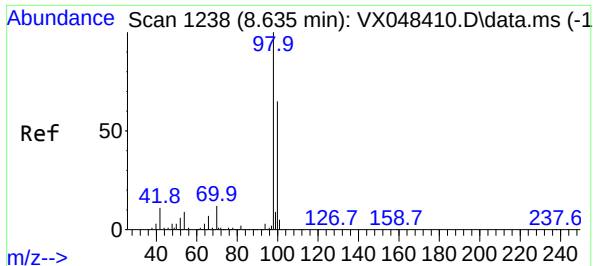
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

192 18.1 15.1 22.7

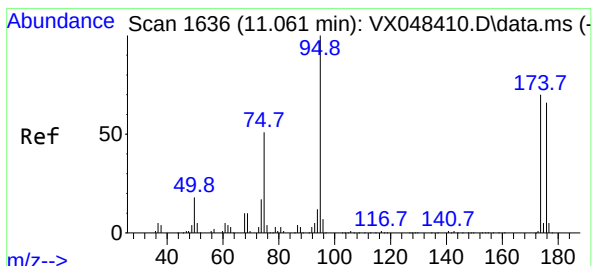
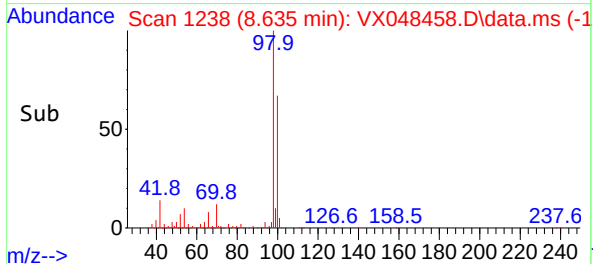
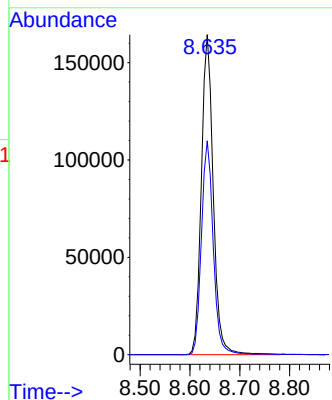
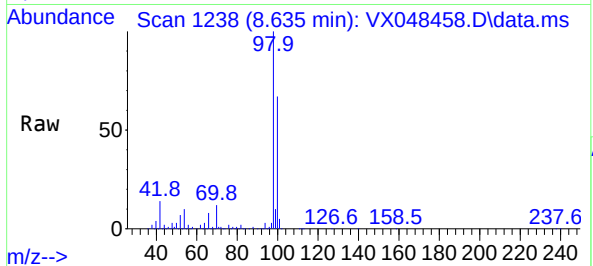




#50
Toluene-d8
Concen: 45.244 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

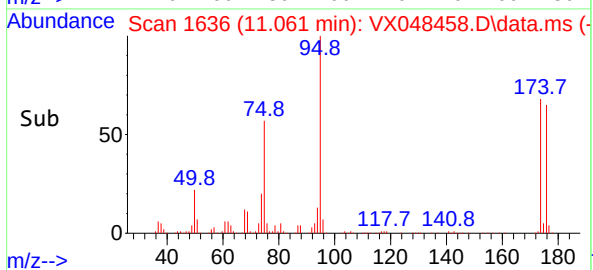
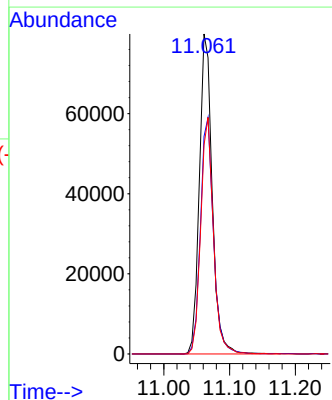
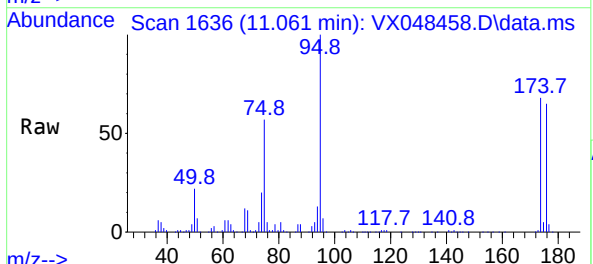
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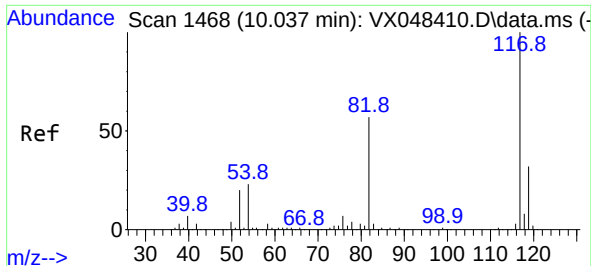
Tgt Ion: 98 Resp: 272189
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.100 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion: 95 Resp: 108248
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.8
176 73.0 0.0 142.8

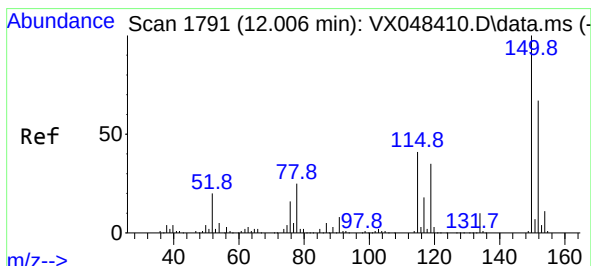
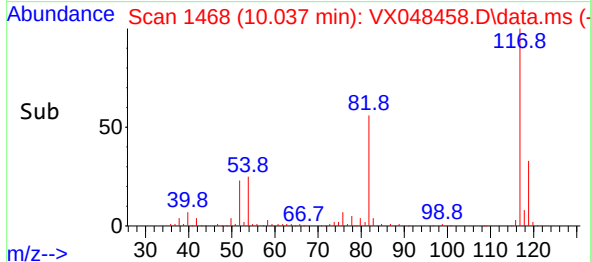
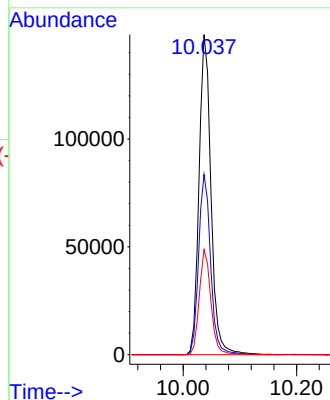
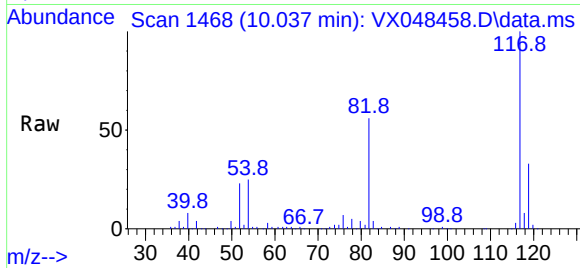




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
PR132-FB2-20251021

Tgt Ion:117 Resp: 216803
Ion Ratio Lower Upper
117 100
82 56.3 46.5 69.7
119 32.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048458.D
Acq: 03 Nov 2025 15:41

Tgt Ion:152 Resp: 106541
Ion Ratio Lower Upper
152 100
115 61.8 43.1 129.4
150 157.0 0.0 353.0

