

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048249.D
 Acq On : 20 Oct 2025 19:04
 Operator : JC/MD
 Sample : Q3390-01
 Misc : 4.16g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4174

Quant Time: Oct 21 06:16:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

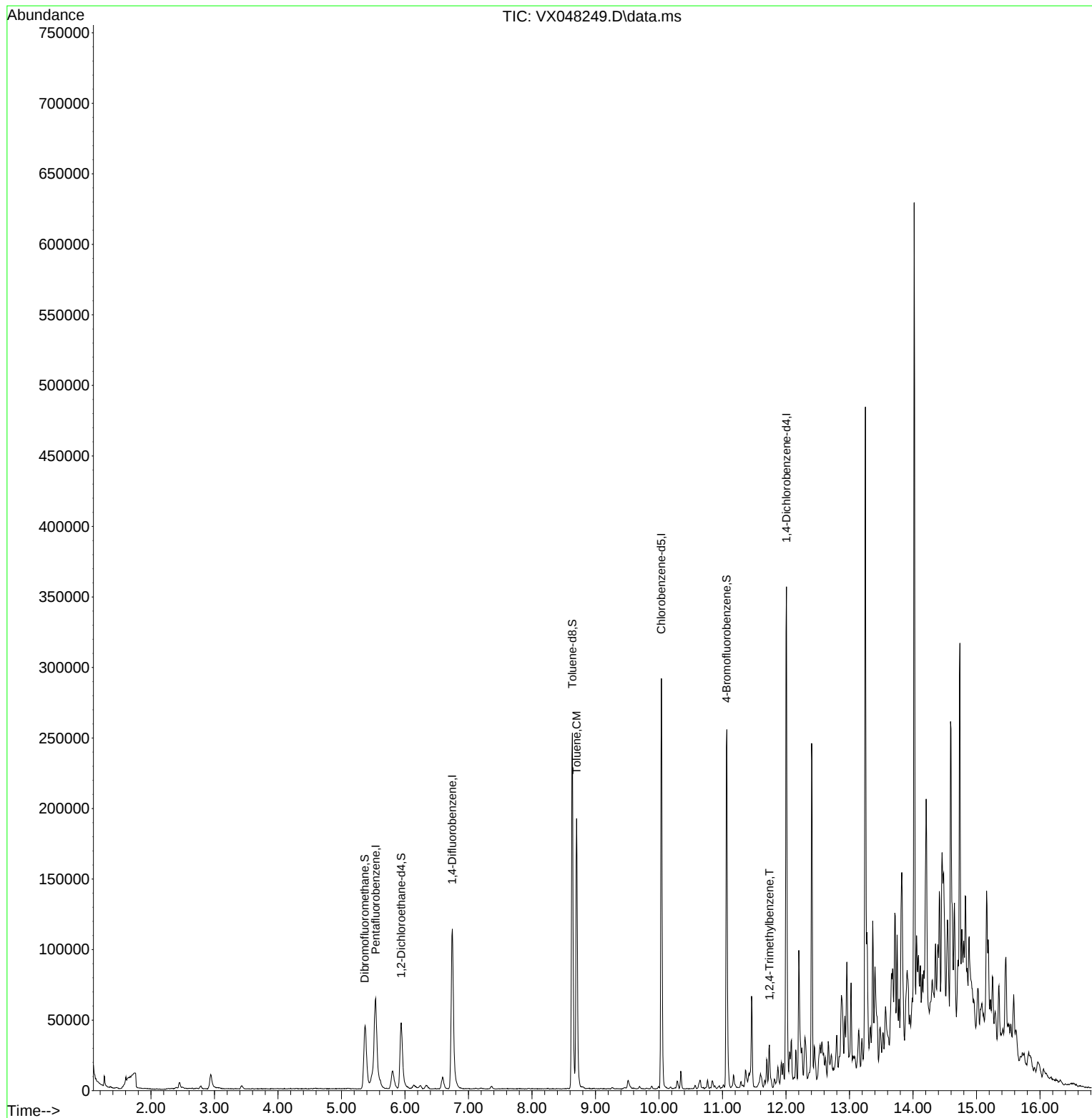
Internal Standards						
1) Pentafluorobenzene	5.538	168	66026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	129860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	138130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	73374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	54851	59.252	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.500%#
35) Dibromofluoromethane	5.367	113	45413	51.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.440%
50) Toluene-d8	8.635	98	160516	51.655	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.320%
62) 4-Bromofluorobenzene	11.061	95	71532	60.510	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.020%
Target Compounds						
						Qvalue
52) Toluene	8.702	92	77818	33.483	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	12462	2.816	ug/l	97

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

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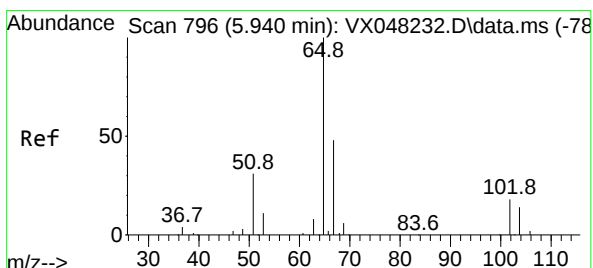
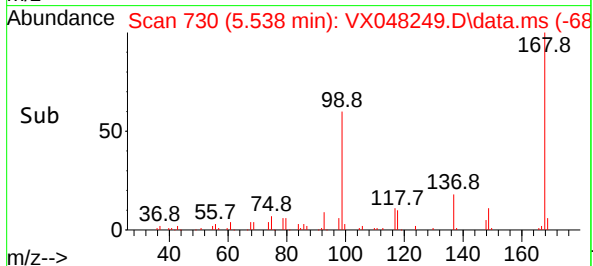
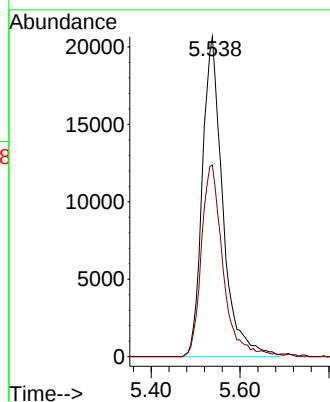
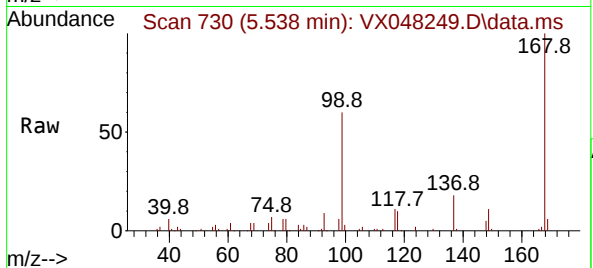




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.006 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

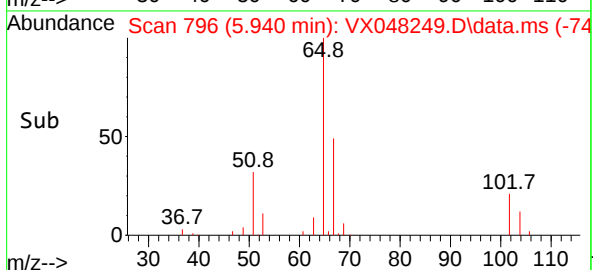
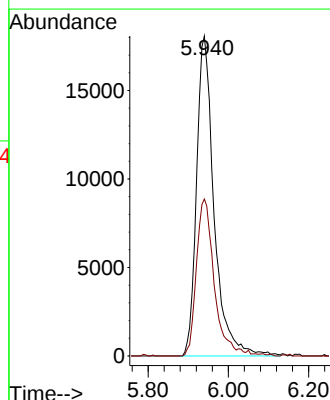
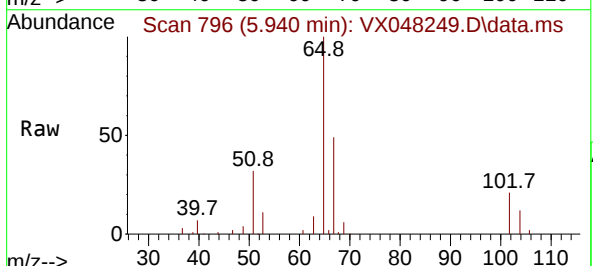
Instrument :
MSVOA_X
ClientSampleId :
4174

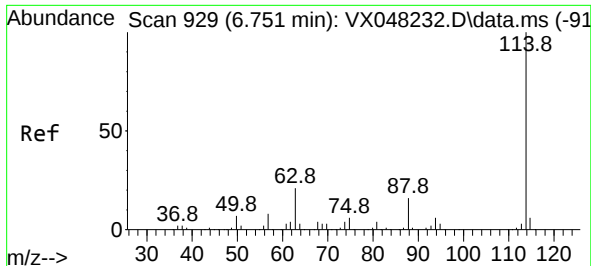
Tgt Ion:168 Resp: 66026
Ion Ratio Lower Upper
168 100
99 59.9 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 59.252 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

Tgt Ion: 65 Resp: 54851
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0

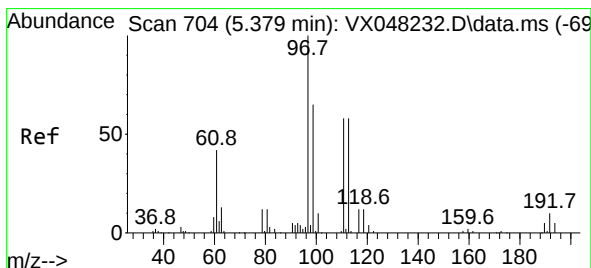
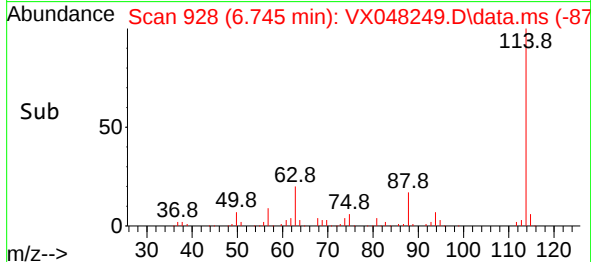
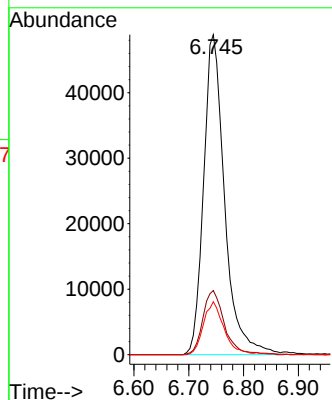
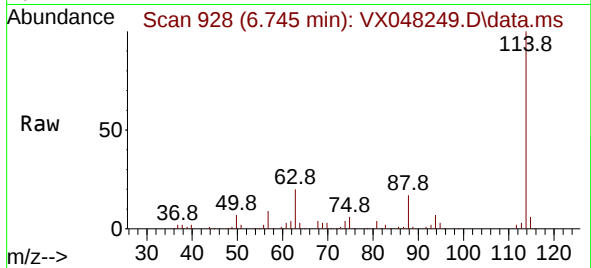




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

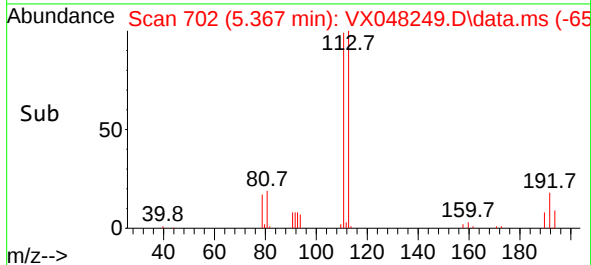
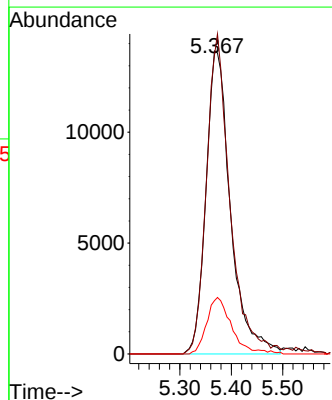
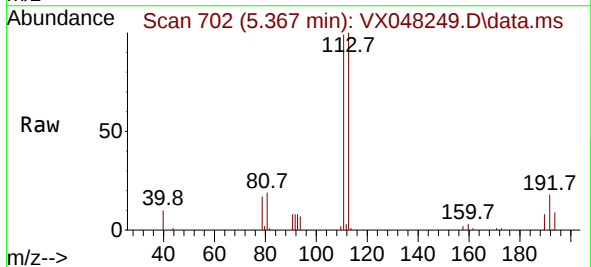
Instrument :
MSVOA_X
ClientSampleId :
4174

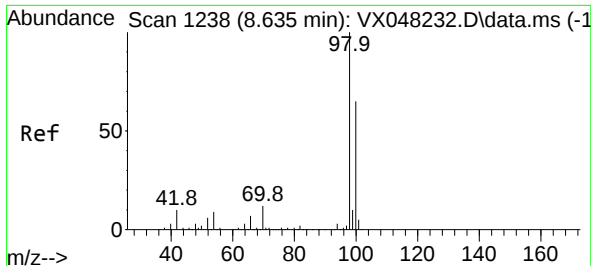
Tgt Ion:114 Resp: 129860
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.225 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

Tgt Ion:113 Resp: 45413
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 18.2 15.1 22.7

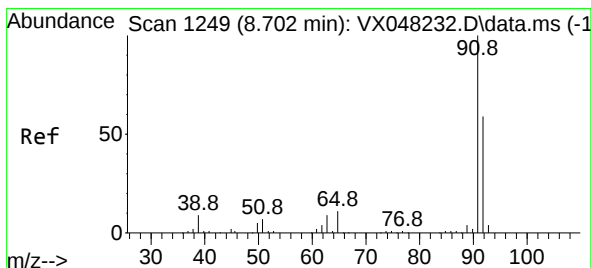
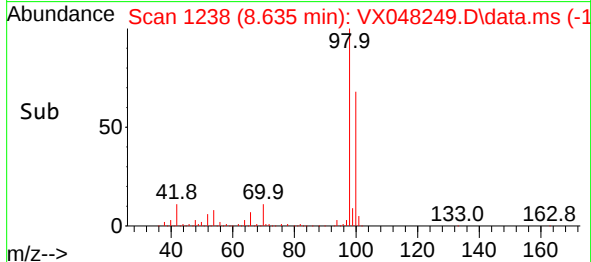
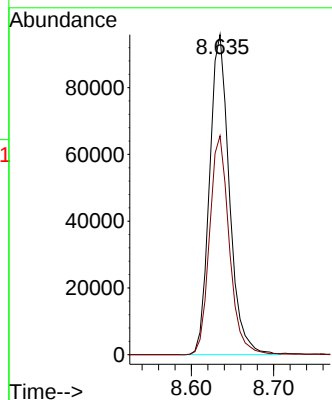
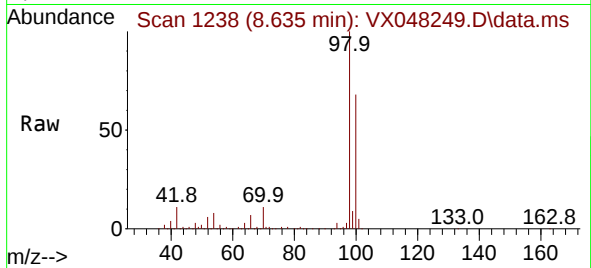




#50
Toluene-d8
Concen: 51.655 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

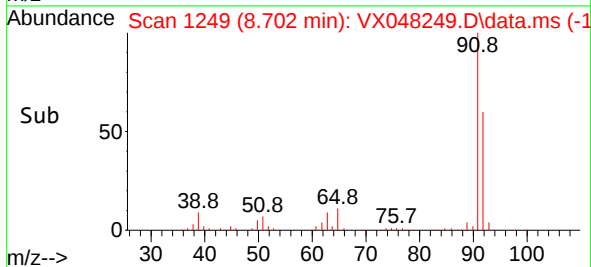
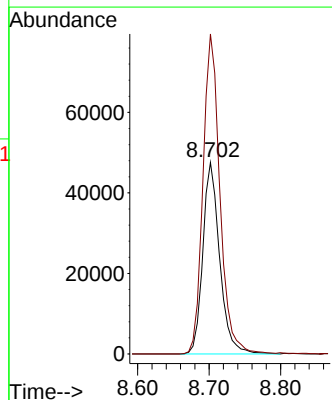
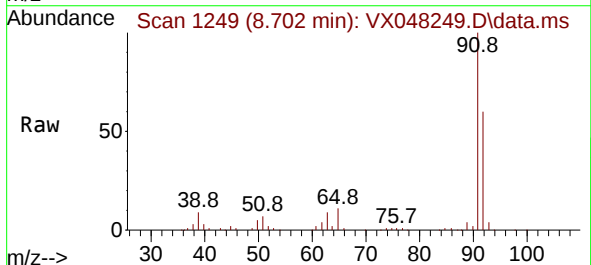
Instrument :
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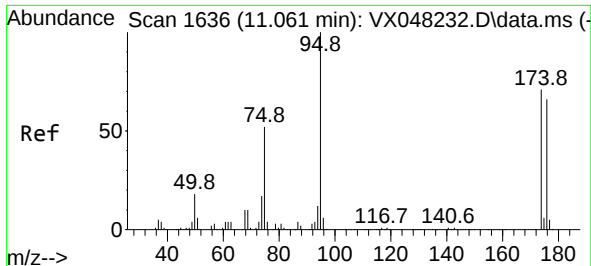
Tgt Ion: 98 Resp: 160516
Ion Ratio Lower Upper
98 100
100 68.2 53.0 79.4



#52
Toluene
Concen: 33.483 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

Tgt Ion: 92 Resp: 77818
Ion Ratio Lower Upper
92 100
91 168.4 136.1 204.1

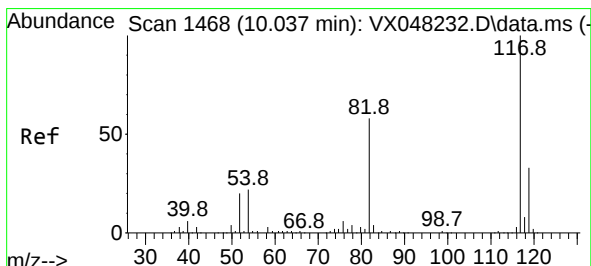
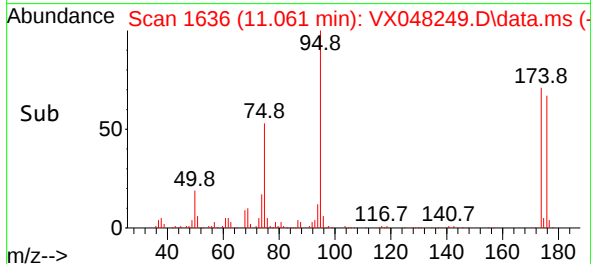
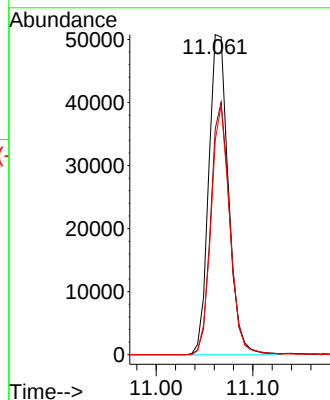
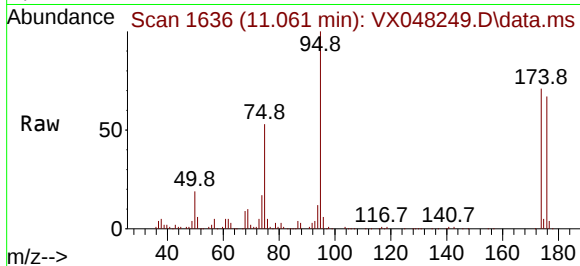




#62
4-Bromofluorobenzene
Concen: 60.510 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

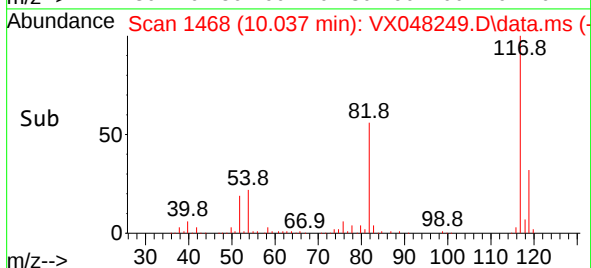
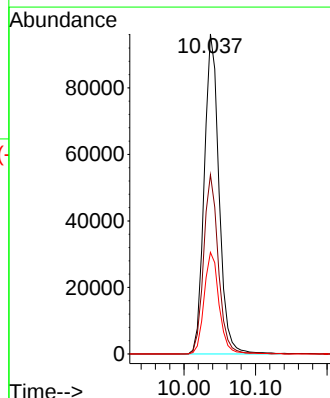
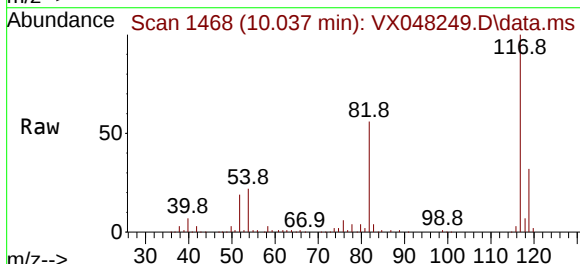
Instrument :
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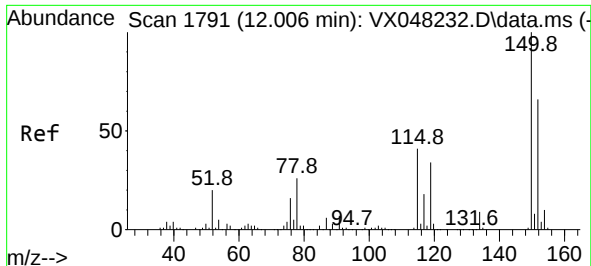
Tgt Ion: 95 Resp: 71532
Ion Ratio Lower Upper
95 100
174 75.9 0.0 147.8
176 74.4 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048249.D
Acq: 20 Oct 2025 19:04

Tgt Ion: 117 Resp: 138130
Ion Ratio Lower Upper
117 100
82 56.0 46.5 69.7
119 31.7 25.9 38.9

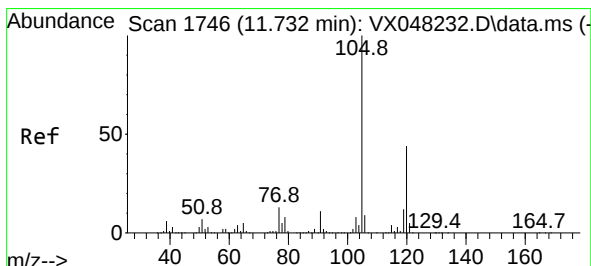
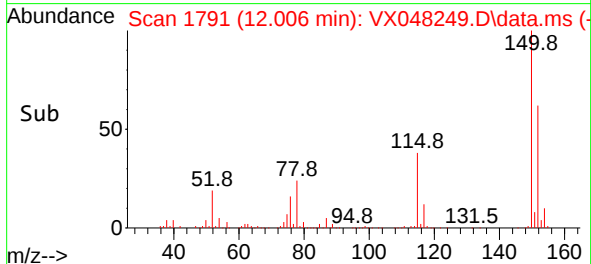
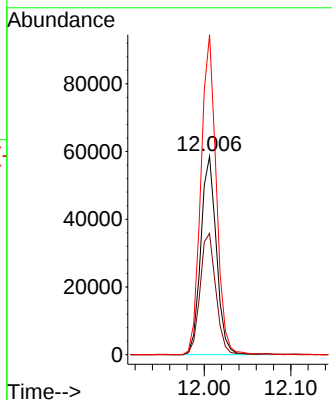
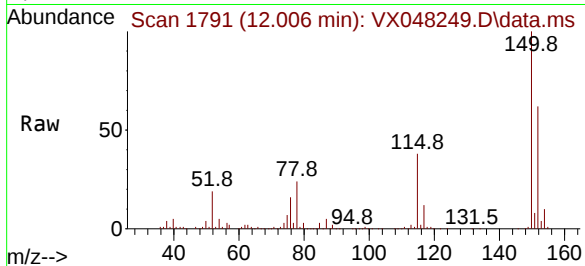




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048249.D
 Acq: 20 Oct 2025 19:04

Instrument :
 MSVOA_X
 ClientSampleId :
 4174

Tgt Ion:152 Resp: 73374
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.1 129.4
 150 158.8 0.0 353.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.816 ug/l
 RT: 11.738 min Scan# 1747
 Delta R.T. 0.006 min
 Lab File: VX048249.D
 Acq: 20 Oct 2025 19:04

Tgt Ion:105 Resp: 12462
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.1 66.5

