

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048459.D
 Acq On : 03 Nov 2025 16:01
 Operator : JC/MD
 Sample : Q3518-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50831

Quant Time: Nov 04 00:15:26 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)

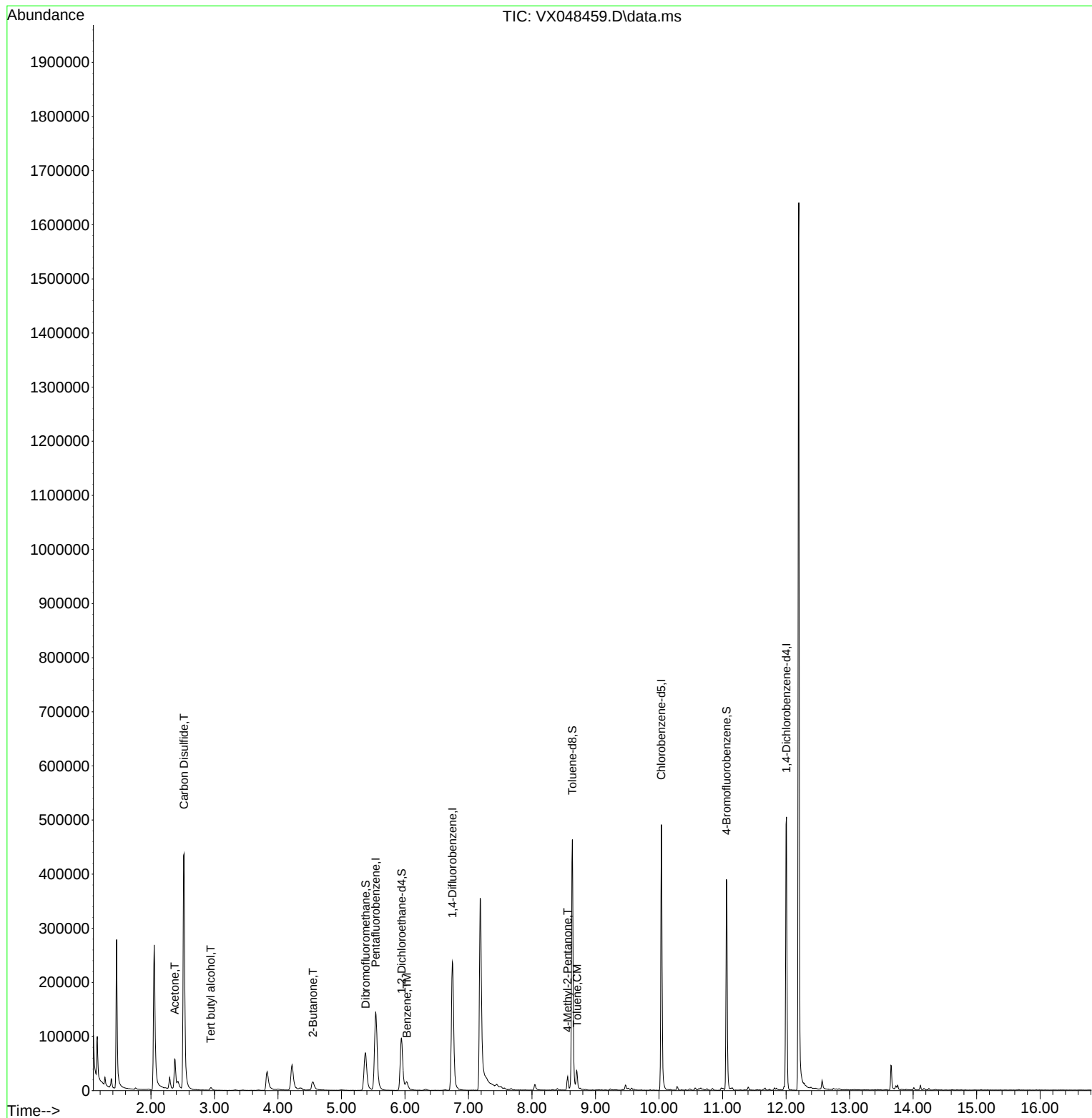
Internal Standards						
1) Pentafluorobenzene	5.538	168	143147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	277167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	215496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110542	53.696	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.400%		
35) Dibromofluoromethane	5.379	113	67771	42.887	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 85.780%		
50) Toluene-d8	8.635	98	283926	40.703	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 81.400%#		
62) 4-Bromofluorobenzene	11.061	95	109678	42.032	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 84.060%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.941	59	4797	30.414	ug/l	# 94
16) Acetone	2.374	43	72566	155.525	ug/l	97
17) Carbon Disulfide	2.520	76	623288	130.467	ug/l	100
25) 2-Butanone	4.550	43	33986	45.596	ug/l	95
40) Benzene	6.031	78	17001	2.097	ug/l	96
51) 4-Methyl-2-Pentanone	8.561	43	16091	7.746	ug/l	97
52) Toluene	8.708	92	12123	2.393	ug/l	95

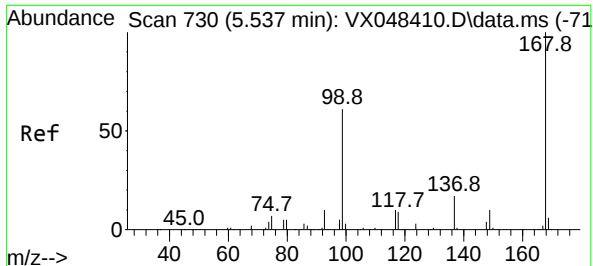
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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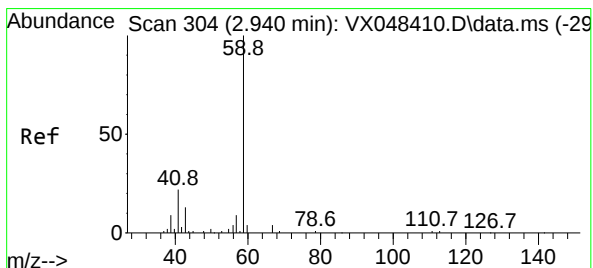
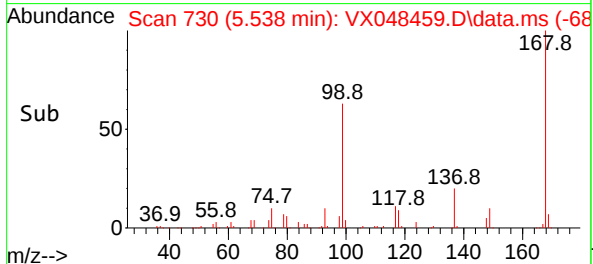
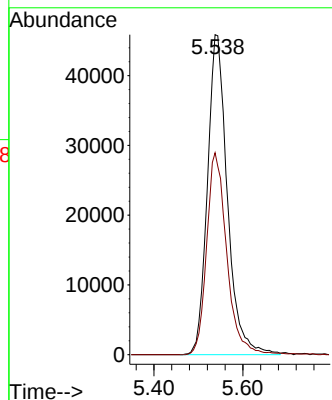
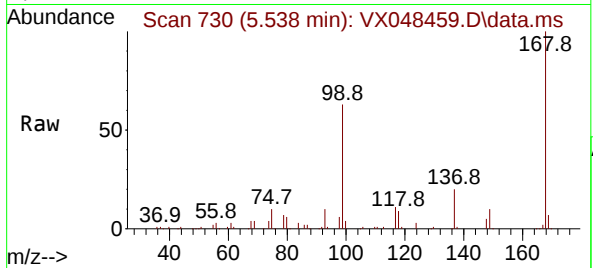




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

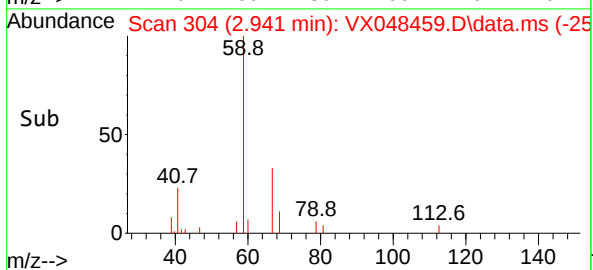
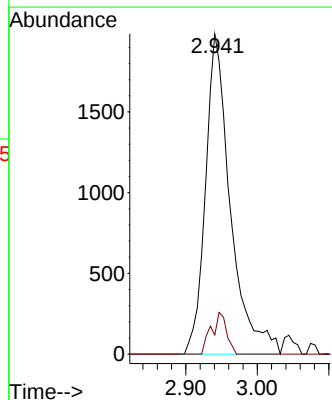
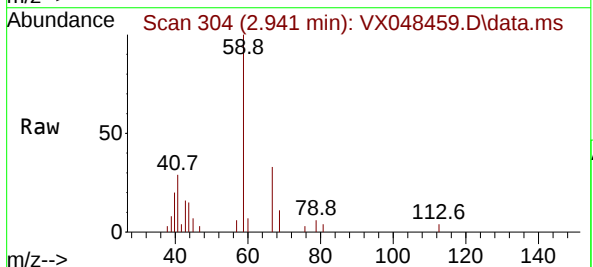
Instrument :
MSVOA_X
ClientSampleId :
50831

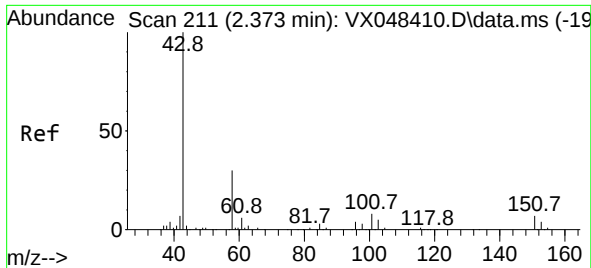
Tgt Ion:168 Resp: 143147
Ion Ratio Lower Upper
168 100
99 63.1 46.4 69.6



#11
Tert butyl alcohol
Concen: 30.414 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 59 Resp: 4797
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#

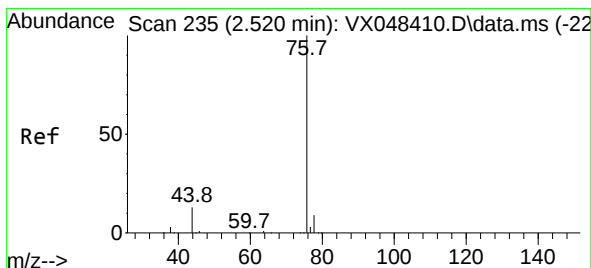
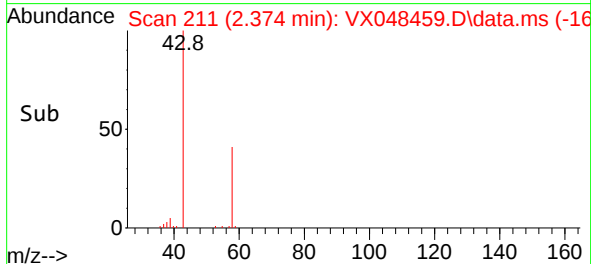
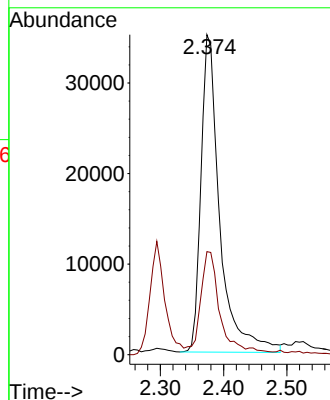
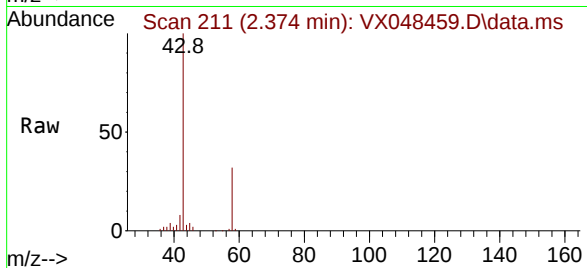




#16
Acetone
Concen: 155.525 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

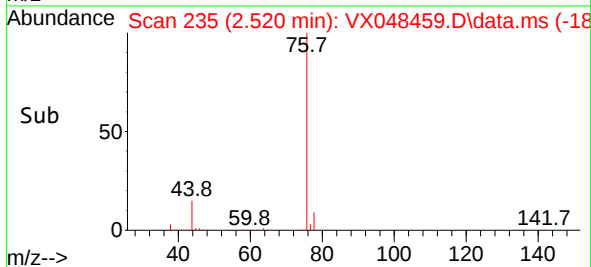
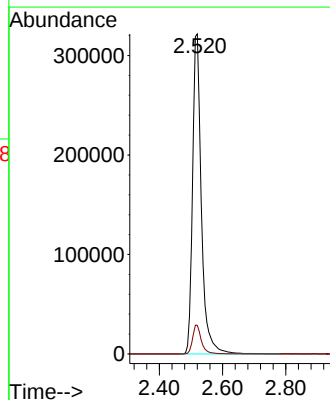
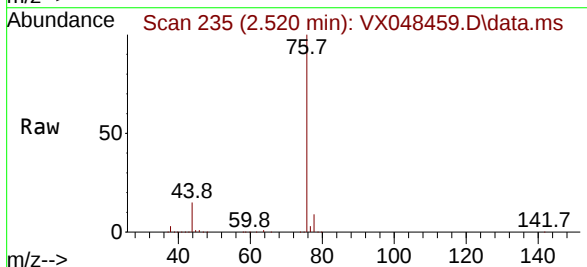
Instrument :
MSVOA_X
ClientSampleId :
50831

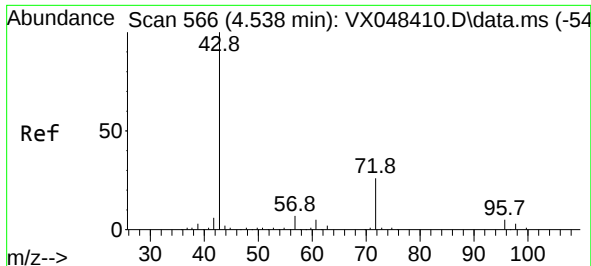
Tgt Ion: 43 Resp: 72566
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.2



#17
Carbon Disulfide
Concen: 130.467 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 76 Resp: 623288
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

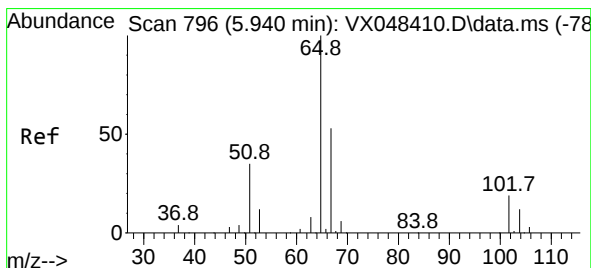
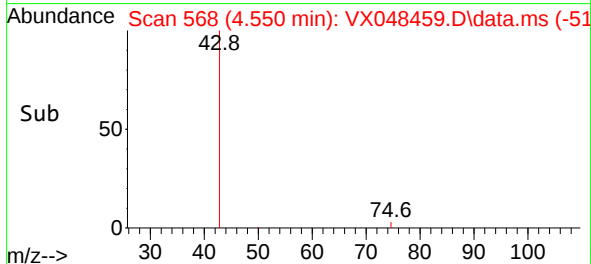
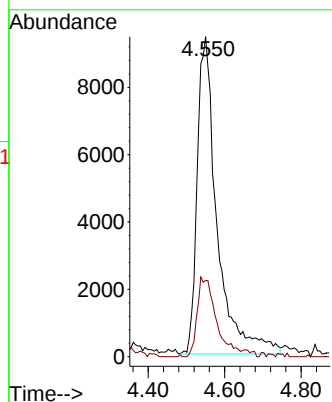
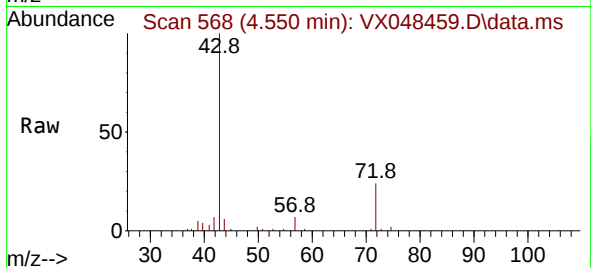




#25
2-Butanone
Concen: 45.596 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

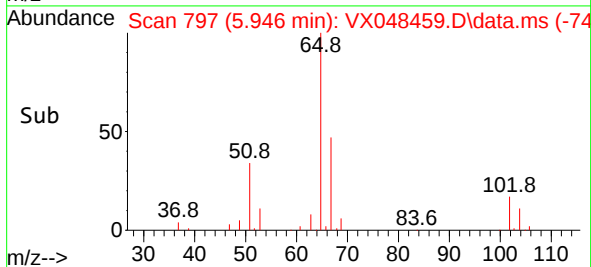
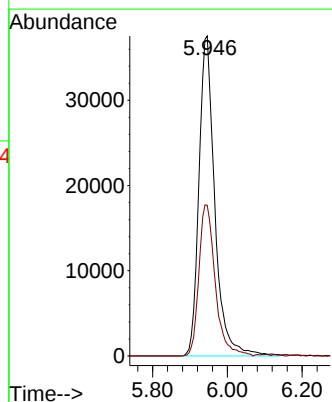
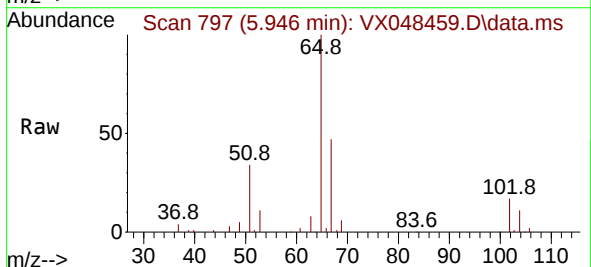
Instrument :
MSVOA_X
ClientSampleId :
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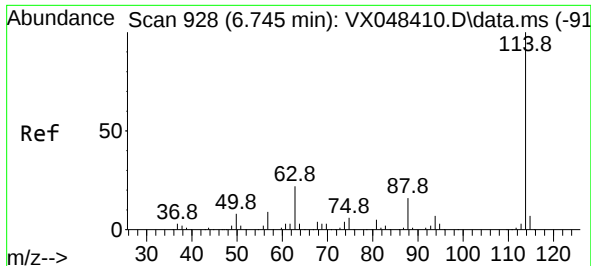
Tgt Ion: 43 Resp: 33986
Ion Ratio Lower Upper
43 100
72 22.2 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 53.696 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 65 Resp: 110542
Ion Ratio Lower Upper
65 100
67 48.7 0.0 105.0

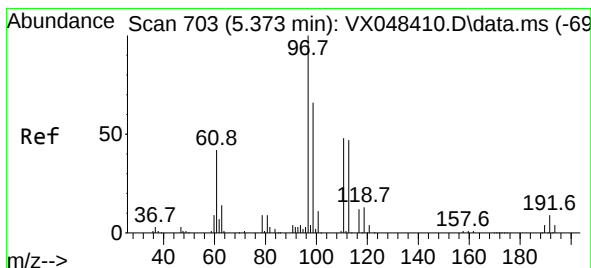
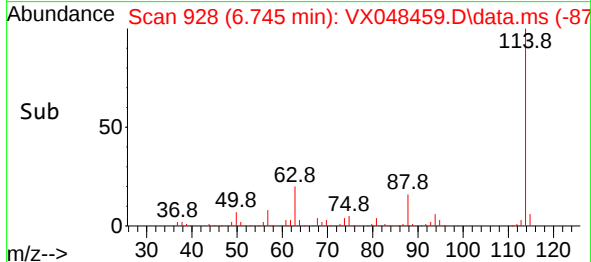
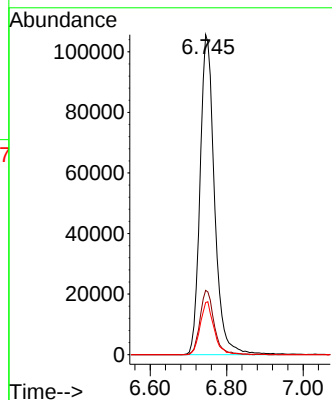
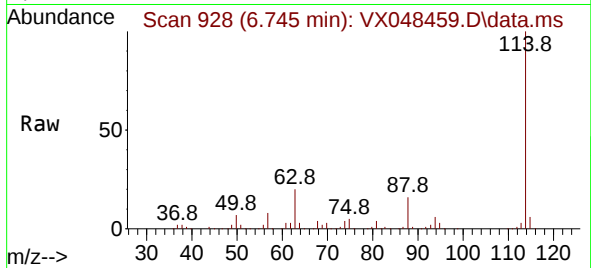




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

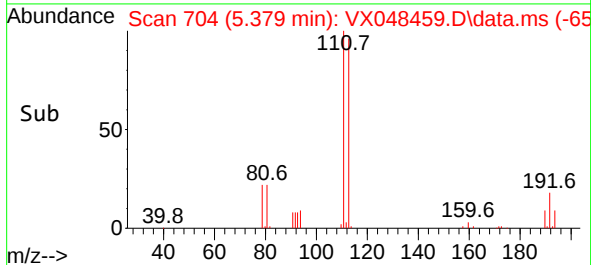
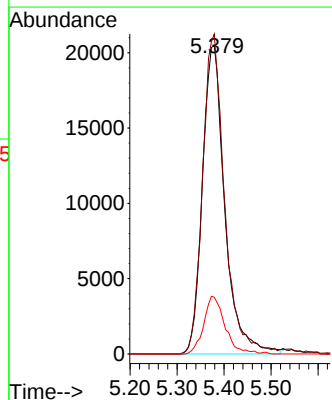
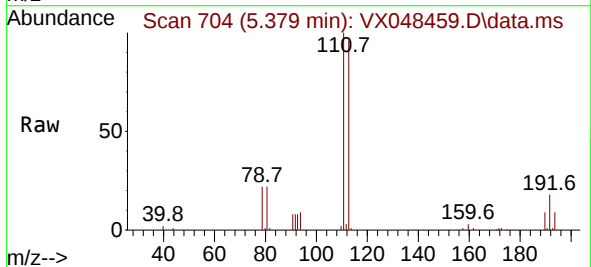
Instrument :
MSVOA_X
ClientSampleId :
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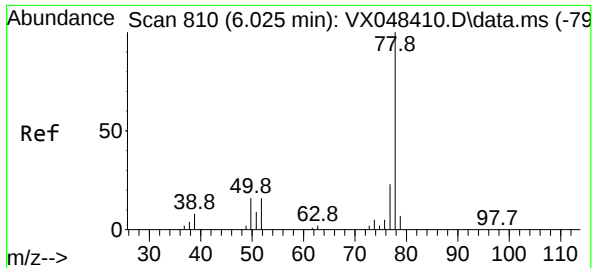
Tgt Ion:114 Resp: 277167
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 42.887 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion:113 Resp: 67771
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 17.7 15.1 22.7

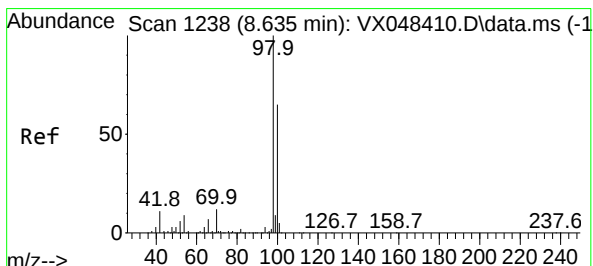
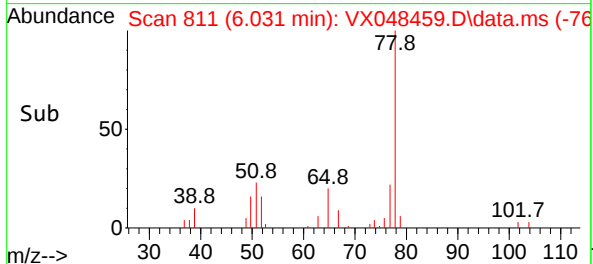
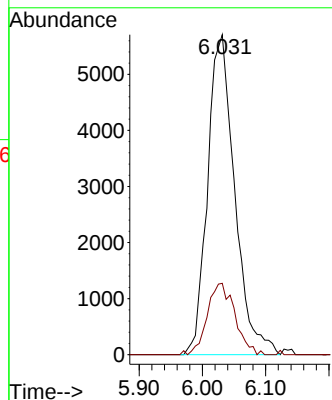
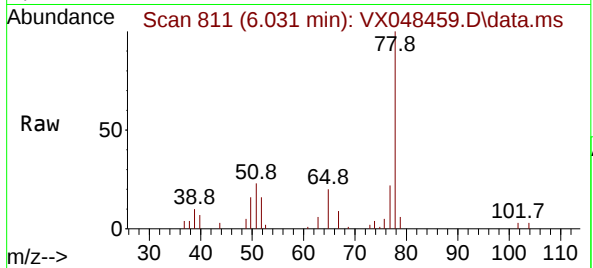




#40
Benzene
Concen: 2.097 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

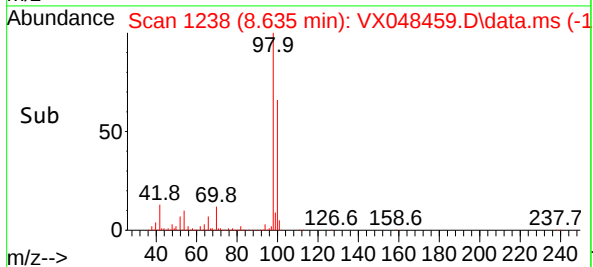
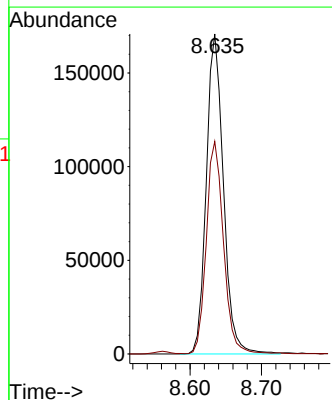
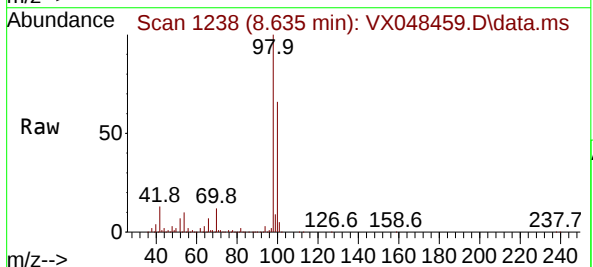
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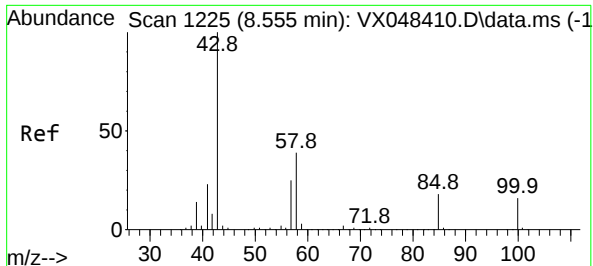
Tgt Ion: 78 Resp: 17001
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9



#50
Toluene-d8
Concen: 40.703 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 98 Resp: 283926
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 7.746 ug/l

RT: 8.561 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048459.D

Acq: 03 Nov 2025 16:01

Instrument :

MSVOA_X

ClientSampleId :

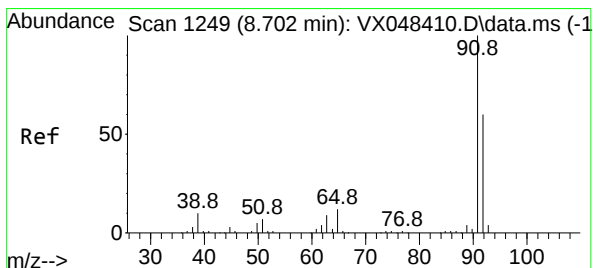
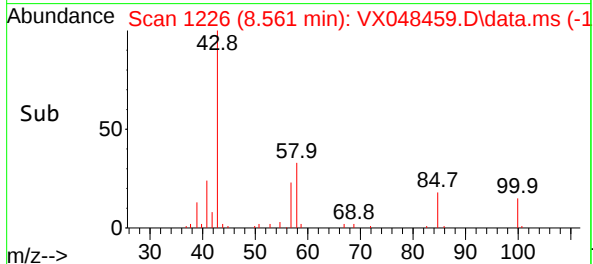
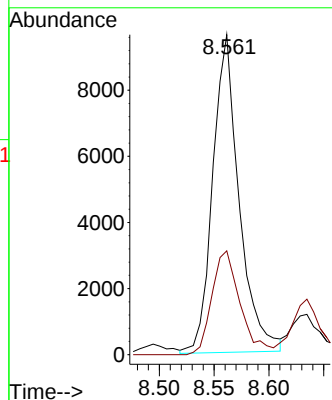
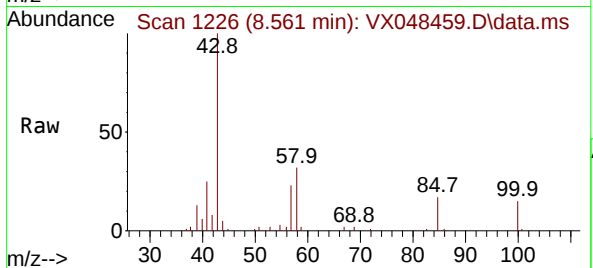
50831

Tgt Ion: 43 Resp: 16091

Ion Ratio Lower Upper

43 100

58 35.2 29.5 44.3



#52

Toluene

Concen: 2.393 ug/l

RT: 8.708 min Scan# 1250

Delta R.T. 0.006 min

Lab File: VX048459.D

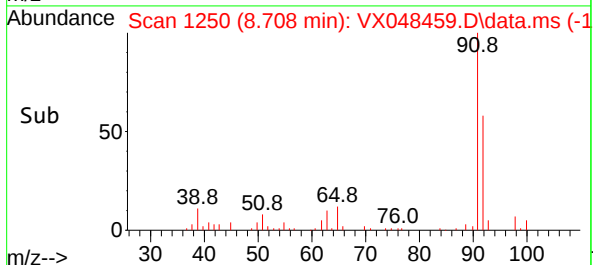
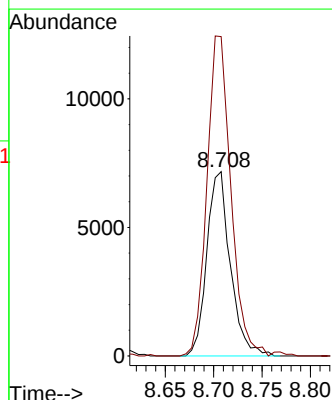
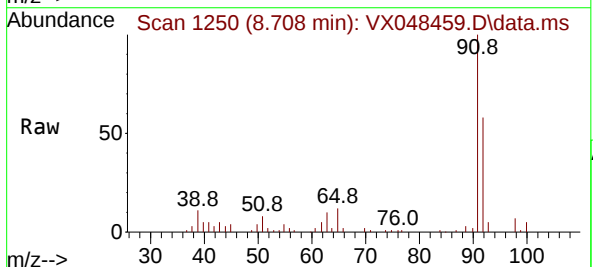
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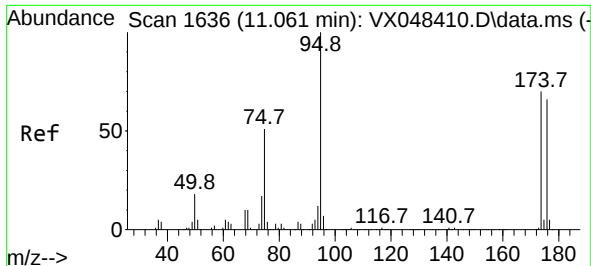
Tgt Ion: 92 Resp: 12123

Ion Ratio Lower Upper

92 100

91 177.2 136.1 204.1

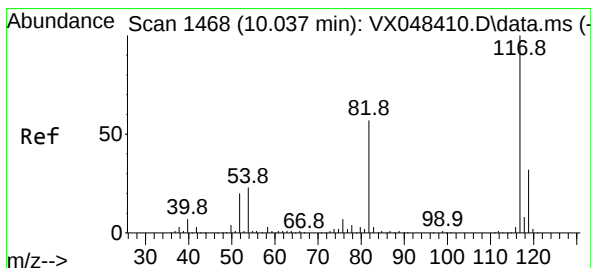
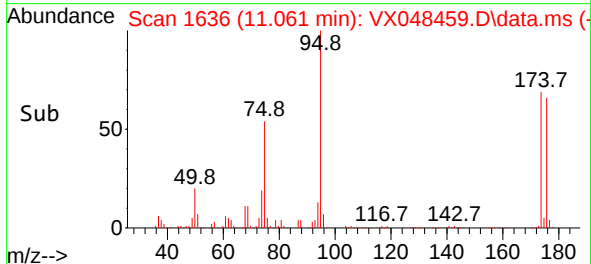
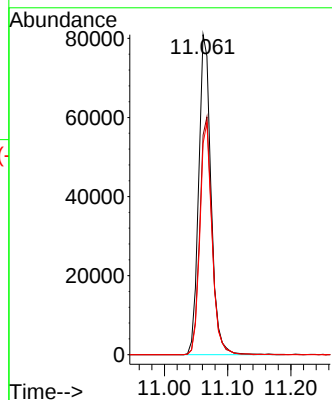
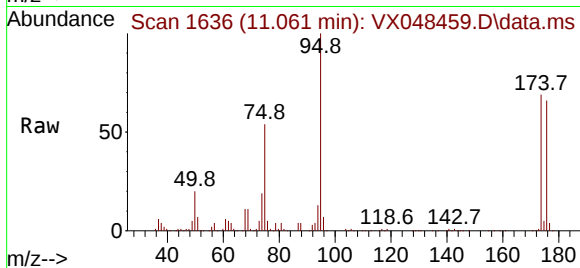




#62
4-Bromofluorobenzene
Concen: 42.032 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

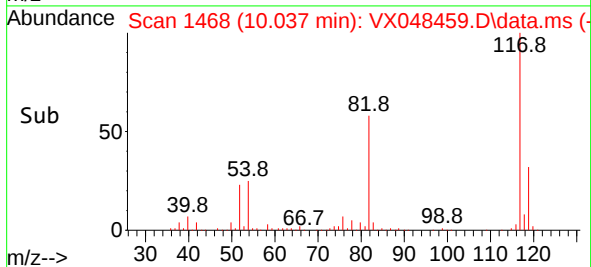
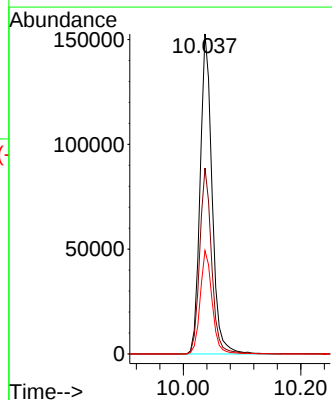
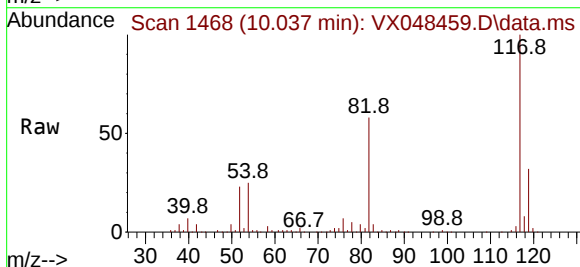
Instrument :
MSVOA_X
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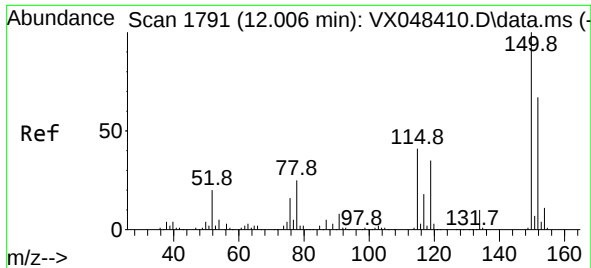
Tgt Ion: 95 Resp: 109678
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.8
176 71.4 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

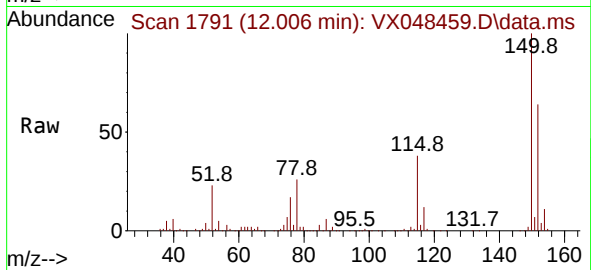
Tgt Ion: 117 Resp: 215496
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.3 25.9 38.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
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Tgt Ion:152 Resp: 107527
Ion Ratio Lower Upper
152 100
115 61.6 43.1 129.4
150 157.4 0.0 353.0

