

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112125\
 Data File : VX048647.D
 Acq On : 21 Nov 2025 11:36
 Operator : JC/MD
 Sample : Q3685-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4198

Quant Time: Nov 21 22:11:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

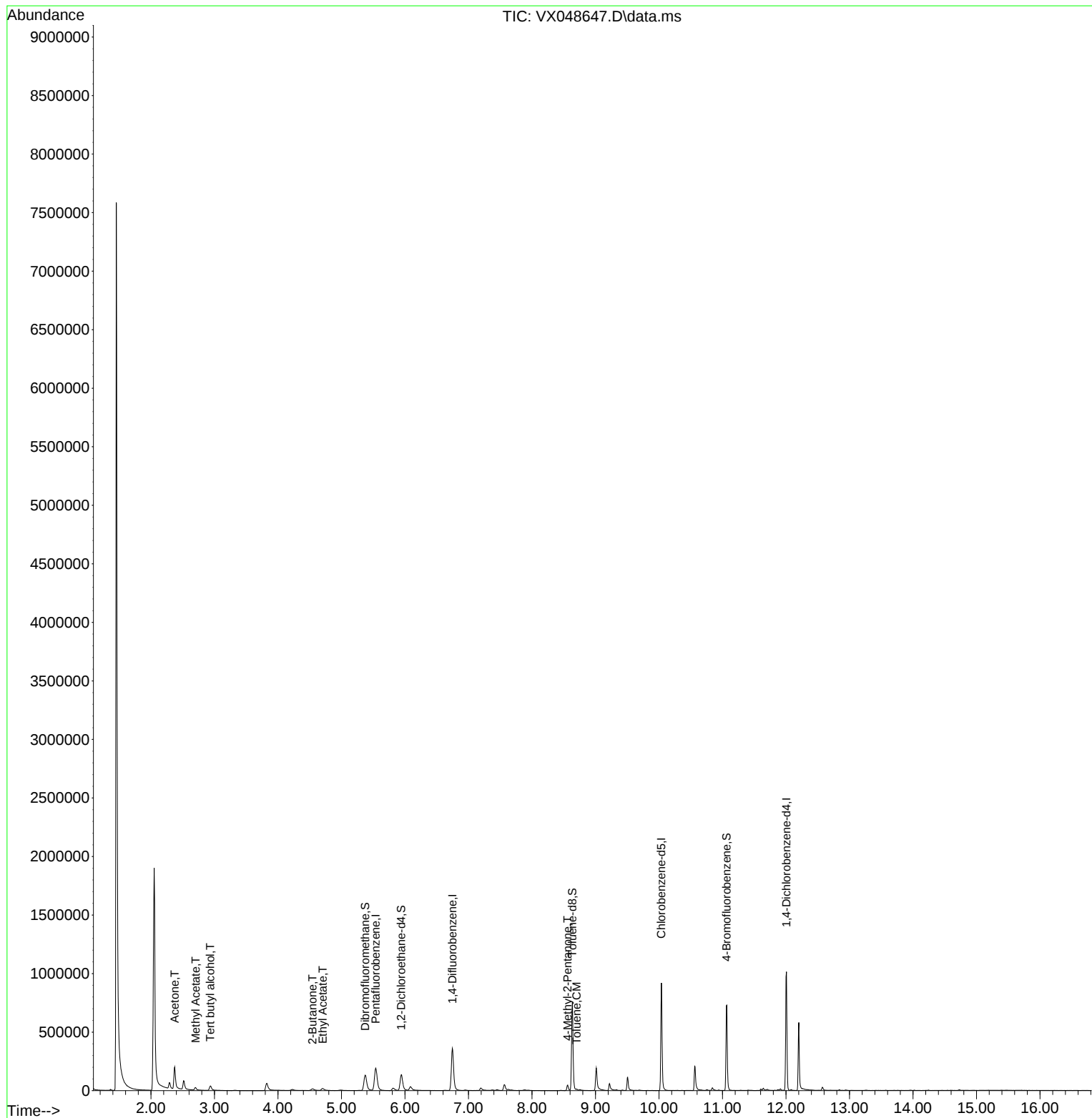
Internal Standards						
1) Pentafluorobenzene	5.538	168	201467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	408372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	433497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	226425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	150200	53.504	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.000%			
35) Dibromofluoromethane	5.373	113	132359	42.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.640%			
50) Toluene-d8	8.635	98	480293	49.824	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.640%			
62) 4-Bromofluorobenzene	11.061	95	219225	61.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.040%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.935	59	54551	102.550	ug/l	97
16) Acetone	2.374	43	242606	182.570	ug/l	94
18) Methyl Acetate	2.703	43	30861	8.451	ug/l	96
25) 2-Butanone	4.544	43	19253	9.794	ug/l	92
37) Ethyl Acetate	4.702	43	37540	6.444	ug/l	97
51) 4-Methyl-2-Pentanone	8.562	43	32025	6.870	ug/l	94
52) Toluene	8.702	92	2724	0.403	ug/l	90

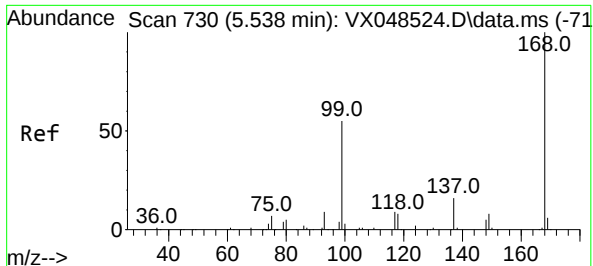
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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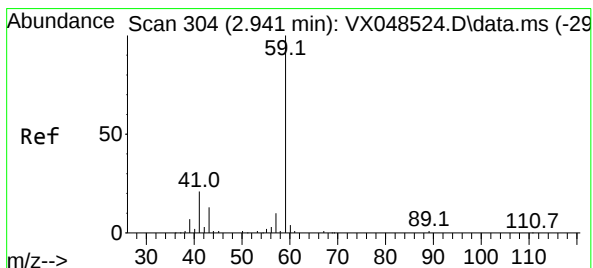
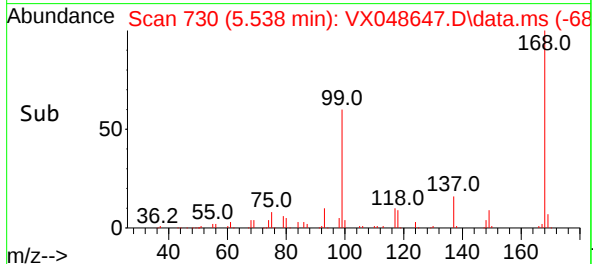
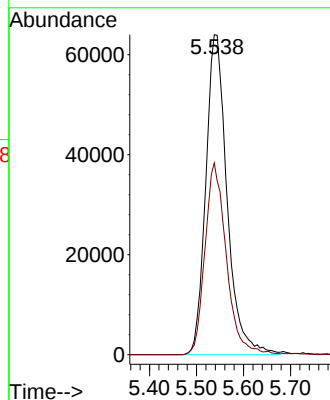
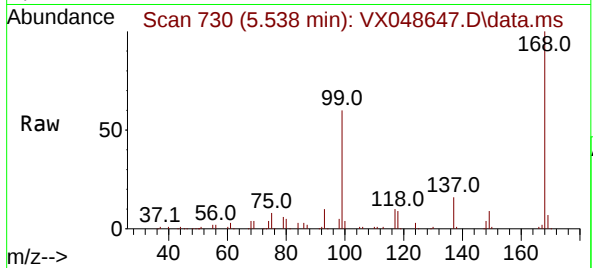




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

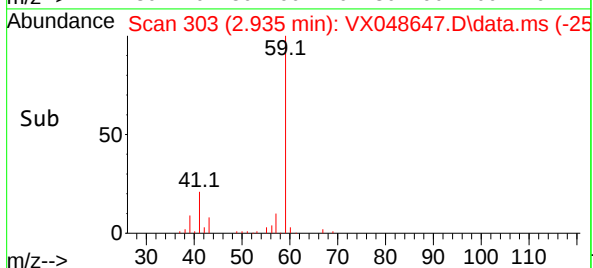
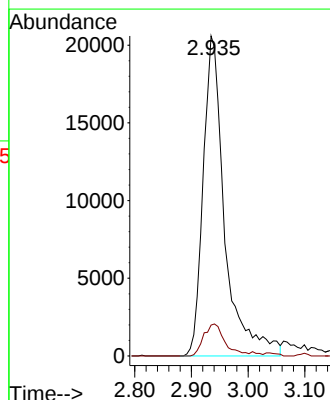
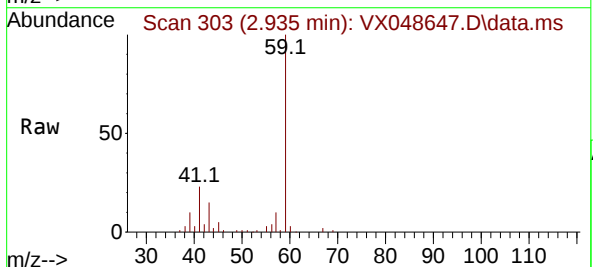
Instrument :
MSVOA_X
ClientSampleId :
4198

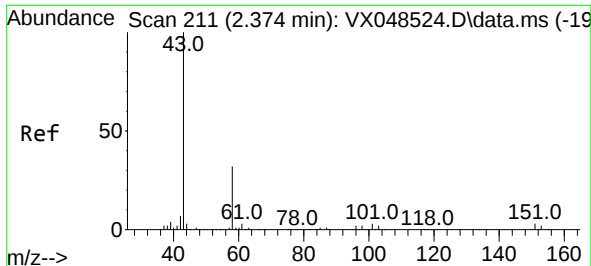
Tgt Ion:168 Resp: 201467
Ion Ratio Lower Upper
168 100
99 59.9 45.2 67.8



#11
Tert butyl alcohol
Concen: 102.550 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

Tgt Ion: 59 Resp: 54551
Ion Ratio Lower Upper
59 100
57 9.8 8.6 13.0

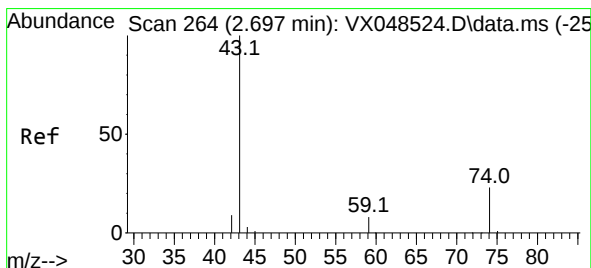
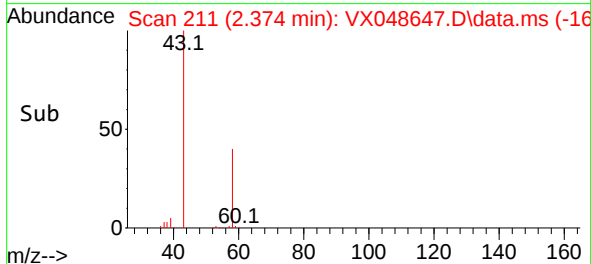
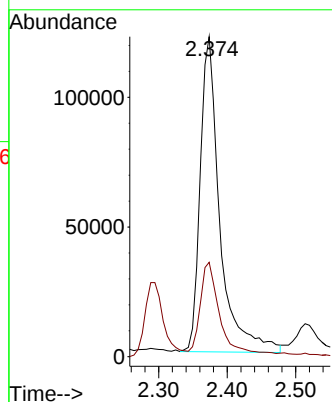
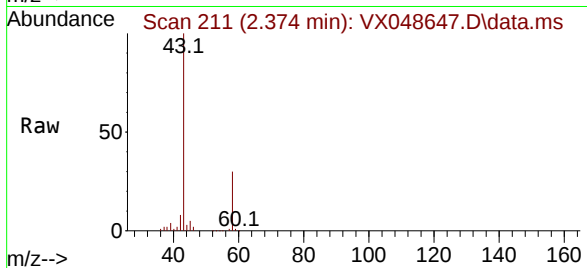




#16
Acetone
Concen: 182.570 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

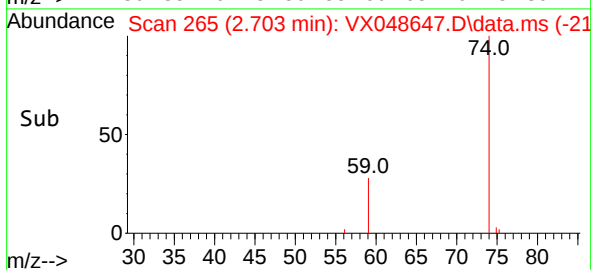
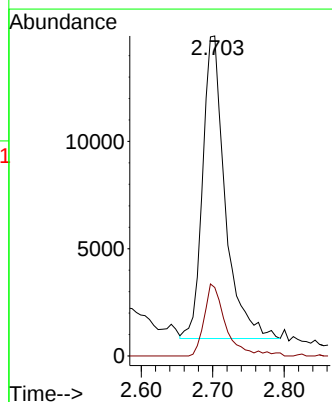
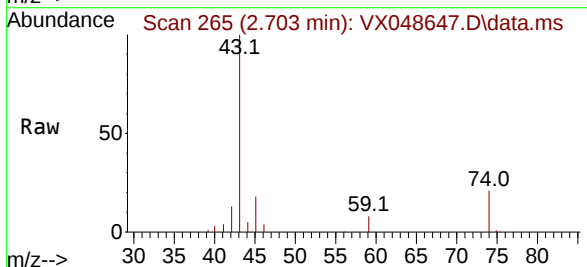
Instrument :
MSVOA_X
ClientSampleId :
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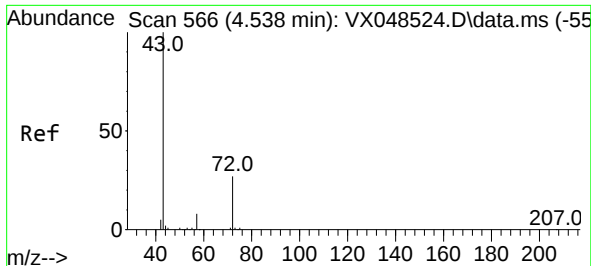
Tgt Ion: 43 Resp: 242606
Ion Ratio Lower Upper
43 100
58 28.9 25.8 38.6



#18
Methyl Acetate
Concen: 8.451 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

Tgt Ion: 43 Resp: 30861
Ion Ratio Lower Upper
43 100
74 21.7 19.1 28.7

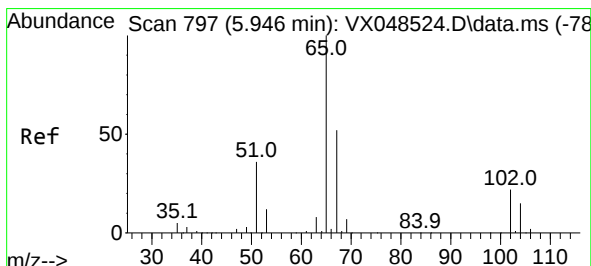
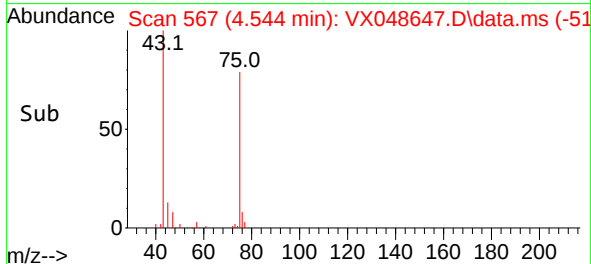
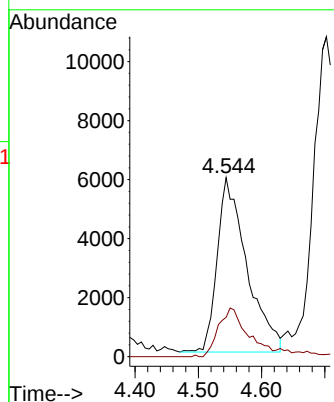
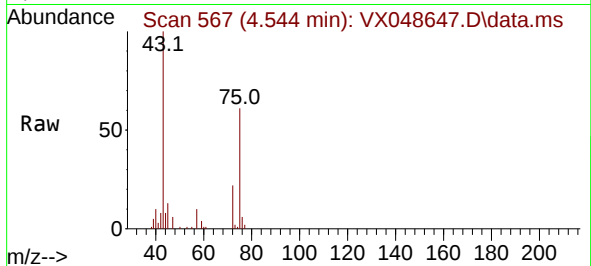




#25
2-Butanone
Concen: 9.794 ug/l
RT: 4.544 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

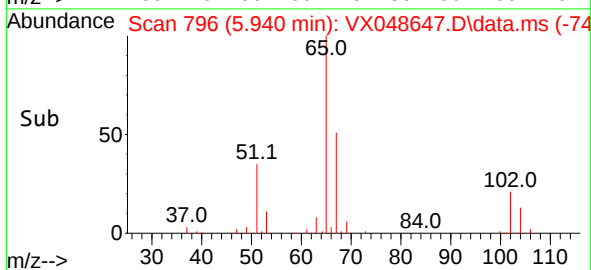
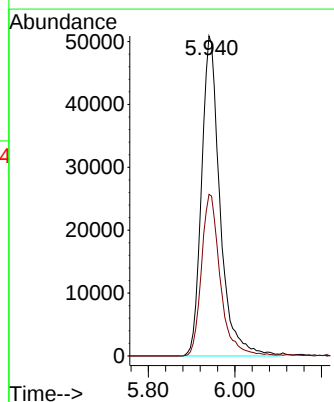
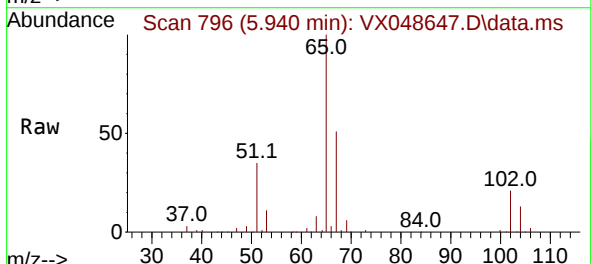
Instrument :
MSVOA_X
ClientSampleId :
4198

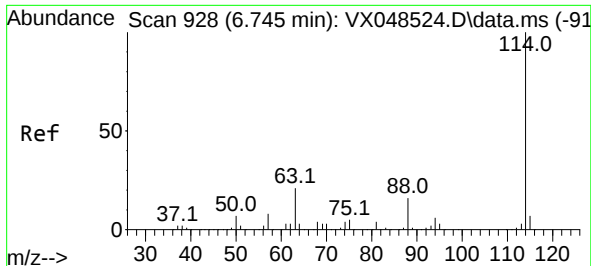
Tgt Ion: 43 Resp: 19253
Ion Ratio Lower Upper
43 100
72 22.6 21.5 32.3



#33
1,2-Dichloroethane-d4
Concen: 53.504 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

Tgt Ion: 65 Resp: 150200
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.2

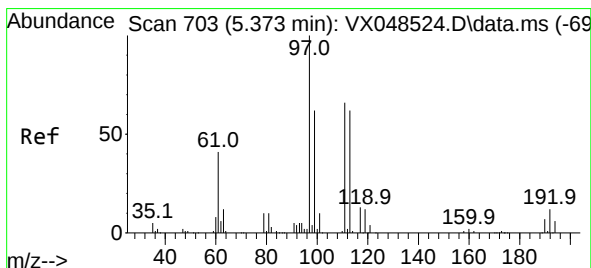
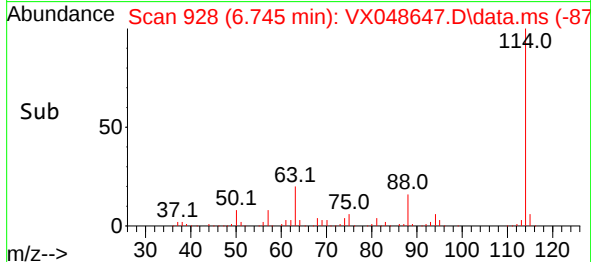
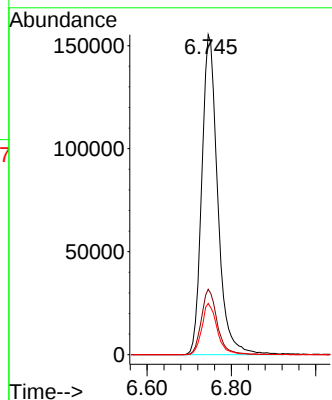
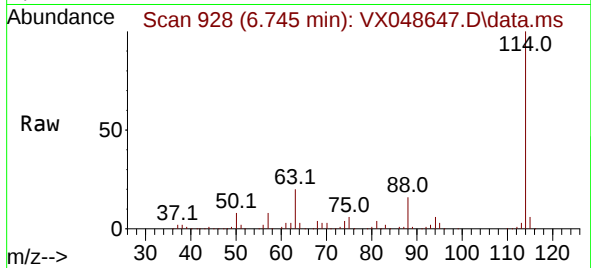




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

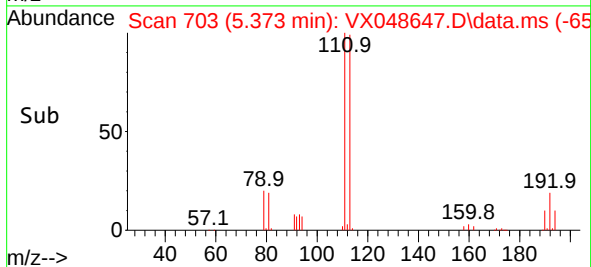
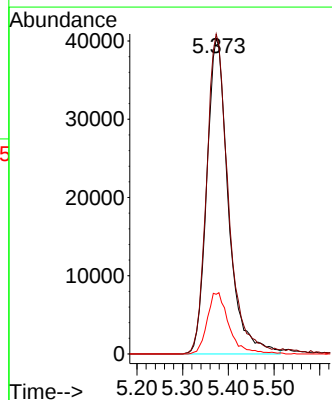
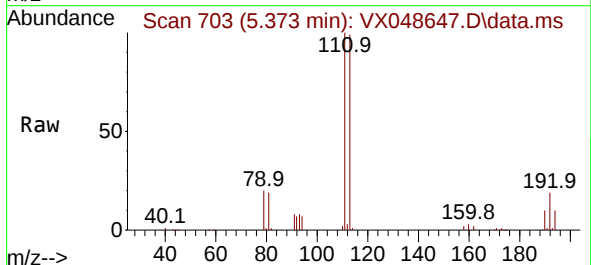
Instrument :
MSVOA_X
ClientSampleId :
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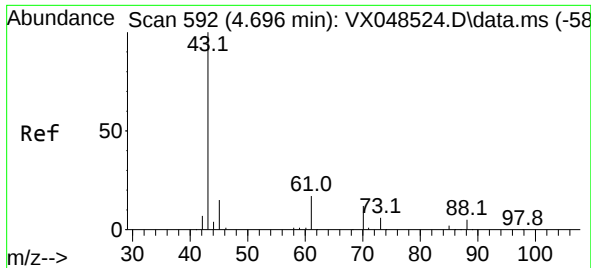
Tgt Ion:114 Resp: 408372
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.2
88 16.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 42.823 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

Tgt Ion:113 Resp: 132359
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 19.7 15.8 23.6

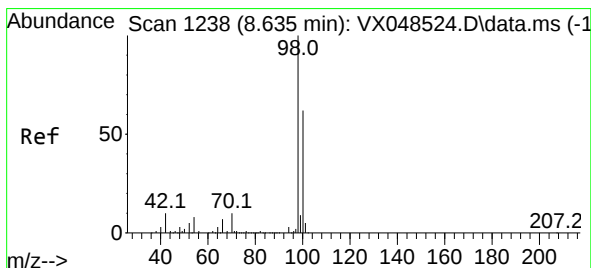
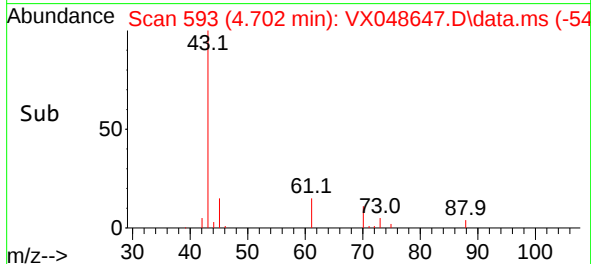
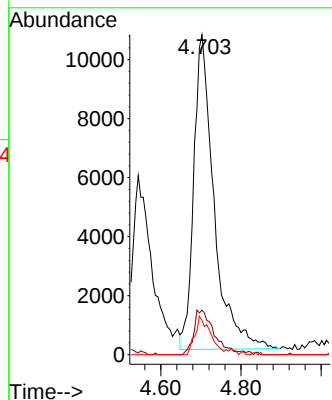
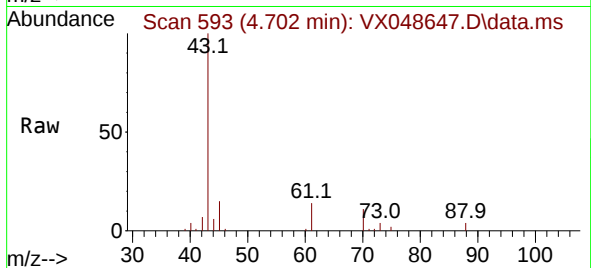




#37
Ethyl Acetate
Concen: 6.444 ug/l
RT: 4.702 min Scan# 592
Delta R.T. 0.006 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

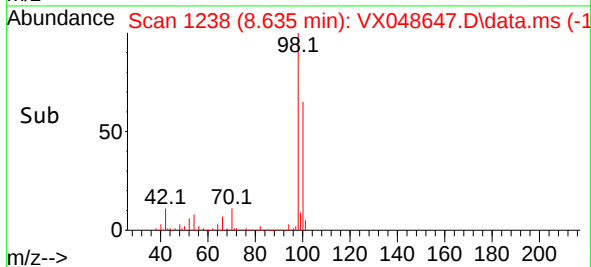
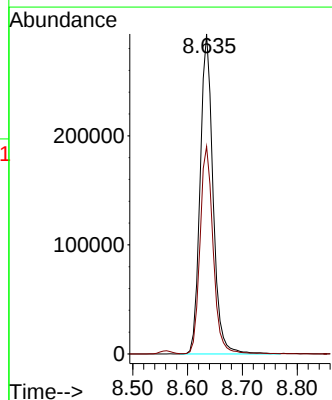
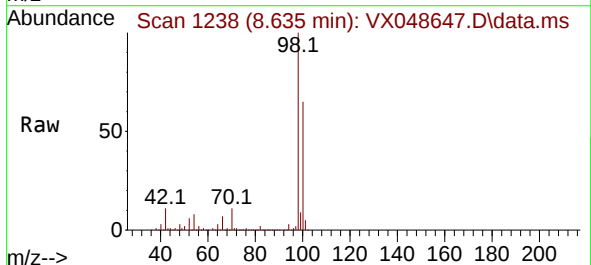
Instrument :
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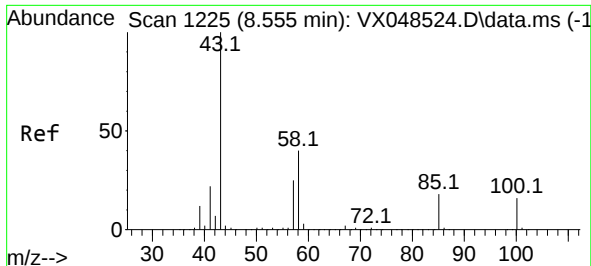
Tgt Ion: 43 Resp: 37540
Ion Ratio Lower Upper
43 100
61 14.0 9.7 14.5
70 9.2 7.7 11.5



#50
Toluene-d8
Concen: 49.824 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048647.D
Acq: 21 Nov 2025 11:36

Tgt Ion: 98 Resp: 480293
Ion Ratio Lower Upper
98 100
100 65.2 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 6.870 ug/l

RT: 8.562 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VX048647.D

Acq: 21 Nov 2025 11:36

Instrument :

MSVOA_X

ClientSampleId :

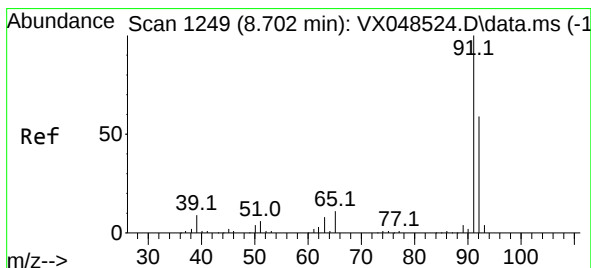
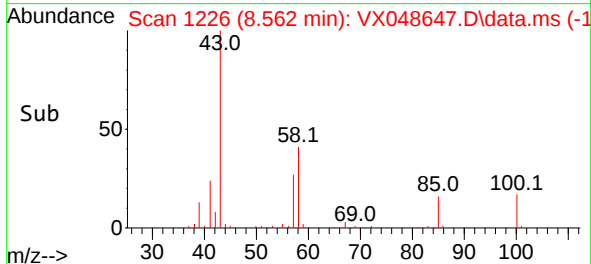
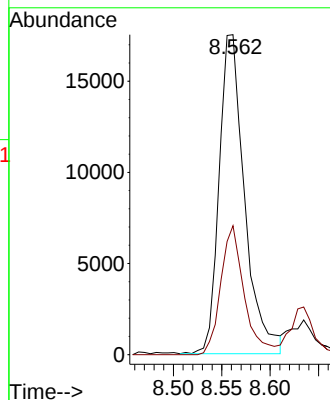
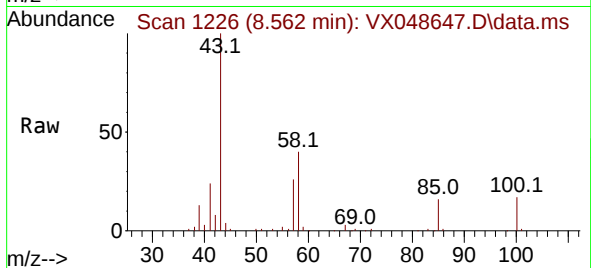
4198

Tgt Ion: 43 Resp: 32025

Ion Ratio Lower Upper

43 100

58 37.0 32.3 48.5



#52

Toluene

Concen: 0.403 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048647.D

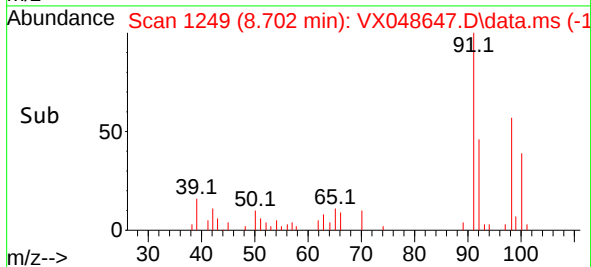
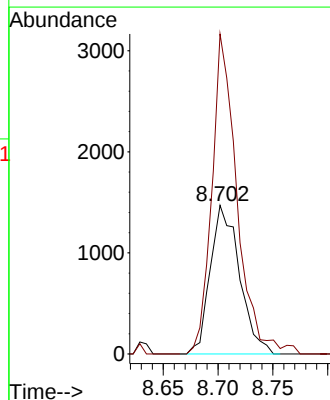
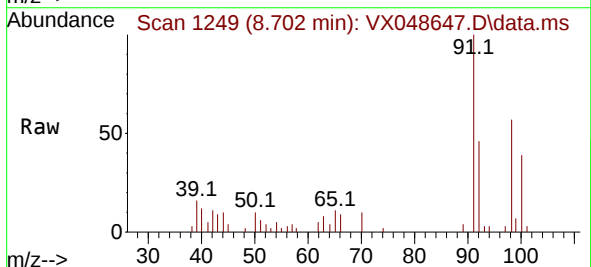
Acq: 21 Nov 2025 11:36

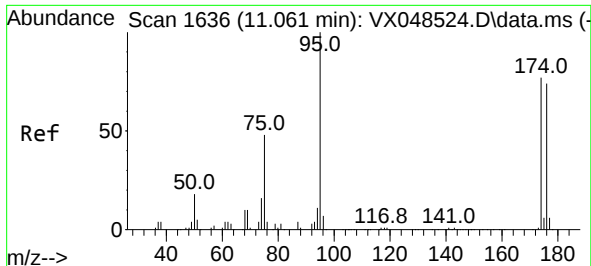
Tgt Ion: 92 Resp: 2724

Ion Ratio Lower Upper

92 100

91 185.7 137.0 205.6





#62

4-Bromofluorobenzene

Concen: 61.024 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048647.D

Acq: 21 Nov 2025 11:36

Instrument :

MSVOA_X

ClientSampleId :

4198

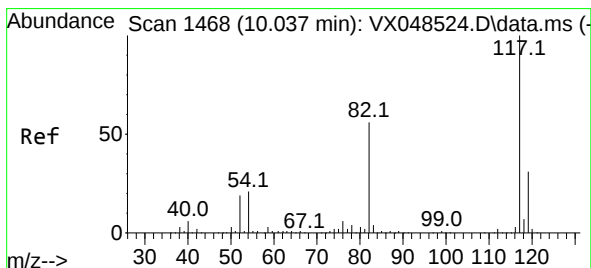
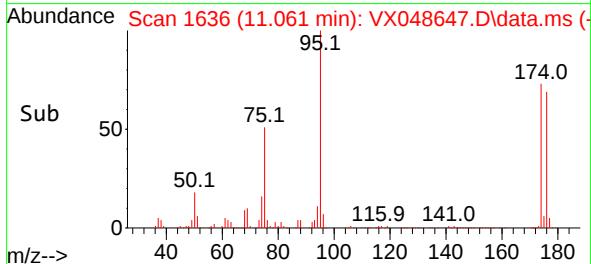
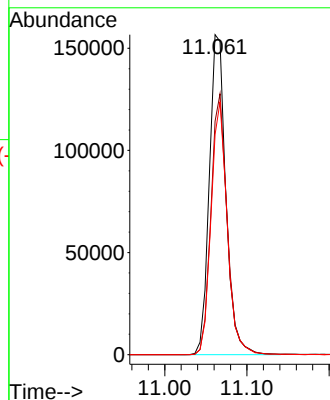
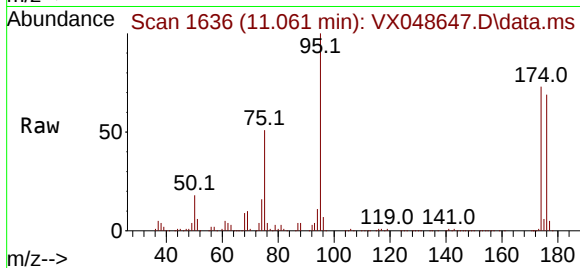
Tgt Ion: 95 Resp: 219225

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.8

176 77.1 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048647.D

Acq: 21 Nov 2025 11:36

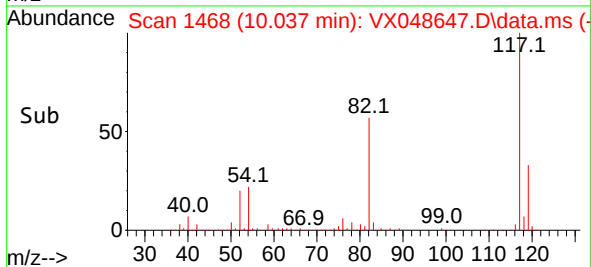
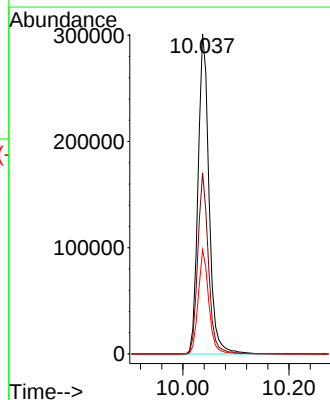
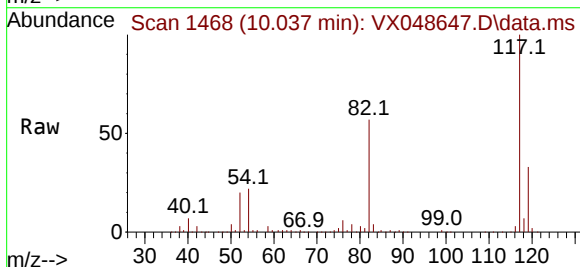
Tgt Ion: 117 Resp: 433497

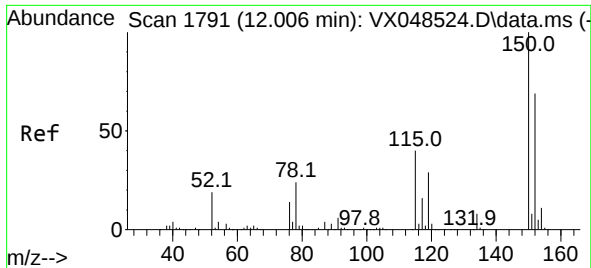
Ion Ratio Lower Upper

117 100

82 56.6 44.4 66.6

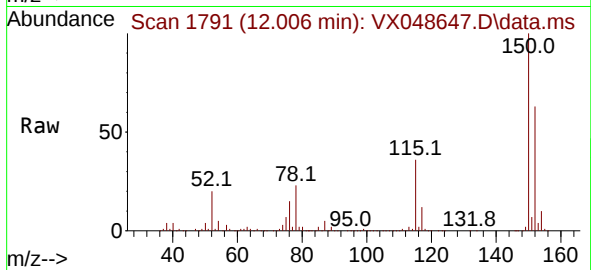
119 32.5 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048647.D
 Acq: 21 Nov 2025 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 4198



Tgt Ion:152 Resp: 226425
 Ion Ratio Lower Upper
 152 100
 115 58.1 39.2 117.6
 150 157.1 0.0 347.0

