

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046304.D
 Acq On : 21 May 2025 17:48
 Operator : JC/MD
 Sample : Q2102-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0078

Quant Time: May 22 01:53:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

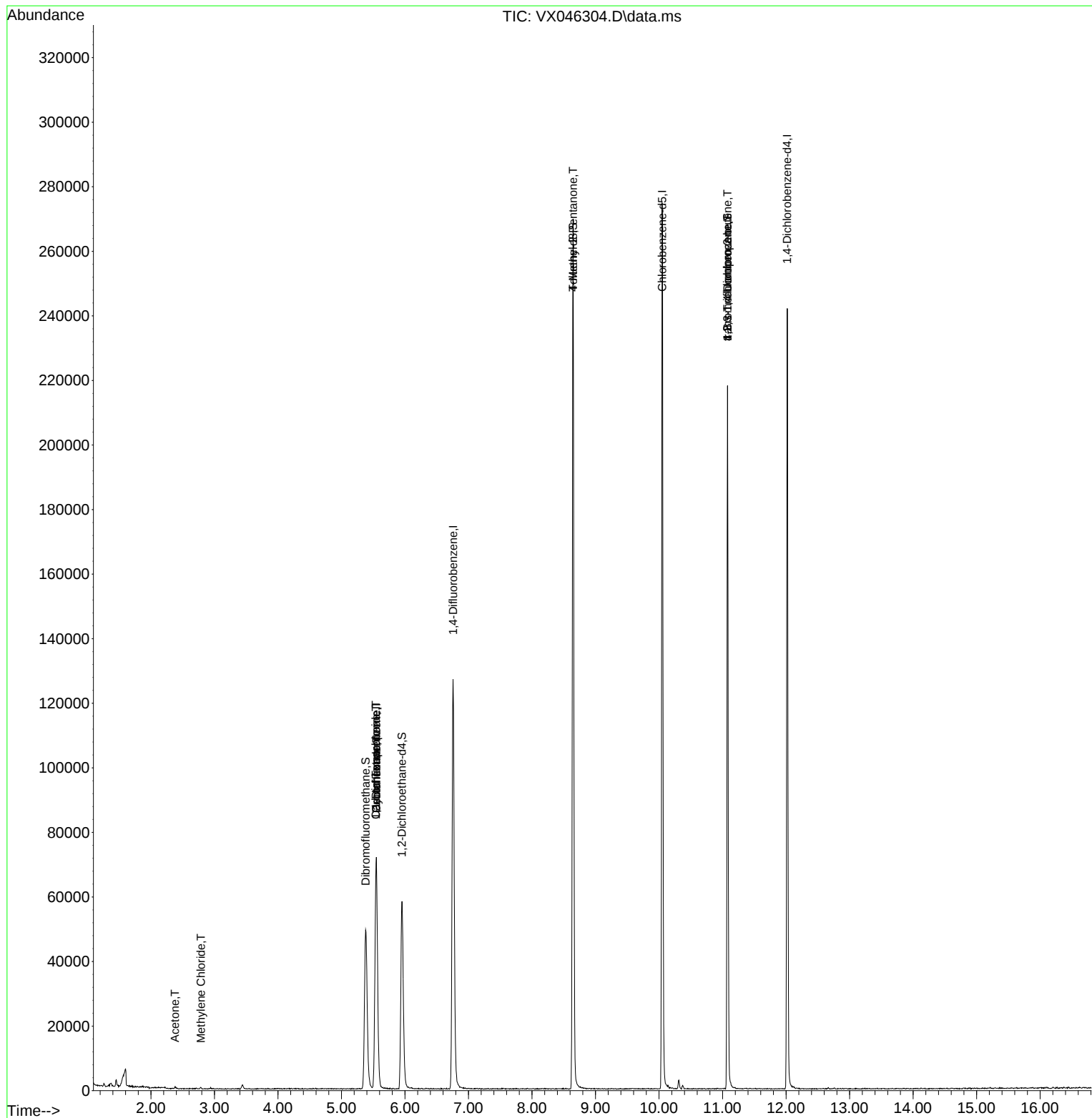
Internal Standards						
1) Pentafluorobenzene	5.550	168	60772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61301	54.106	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.220%	
35) Dibromofluoromethane	5.379	113	43568	50.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.140%	
50) Toluene-d8	8.647	98	152859	50.757	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	11.079	95	56576	48.975	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.960%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	492	1.083	ug/l	95
20) Methylene Chloride	2.788	84	177	0.203	ug/l #	40
31) Cyclohexane	5.550	56	1779	1.318	ug/l #	53
36) 1,1-Dichloropropene	5.544	75	6117	5.232	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7175	5.462	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	941	0.643	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	32573	29.592	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32573	96.344	ug/l #	1

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0078

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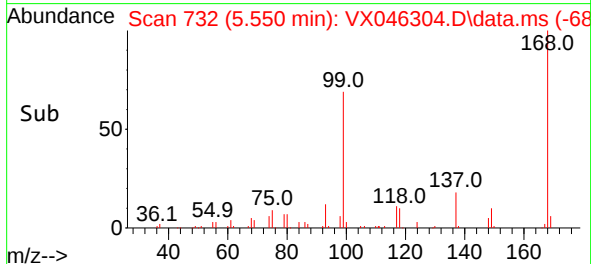
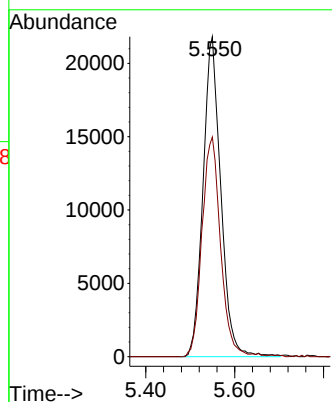
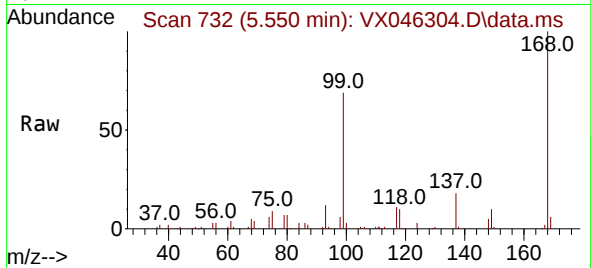




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

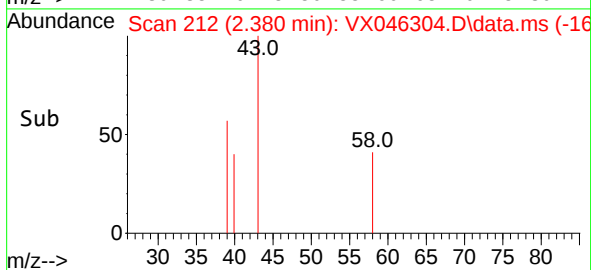
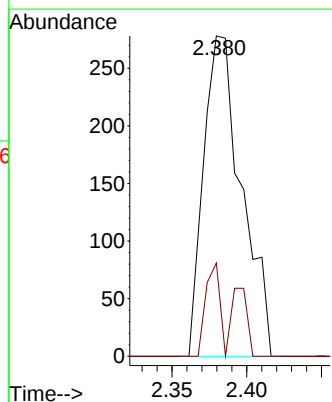
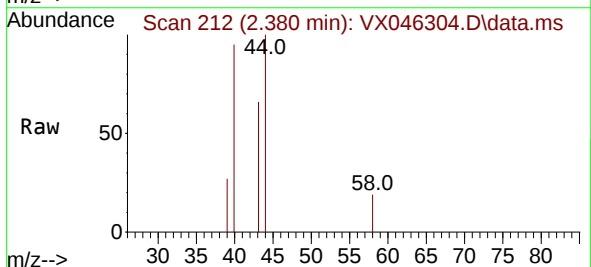
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0078

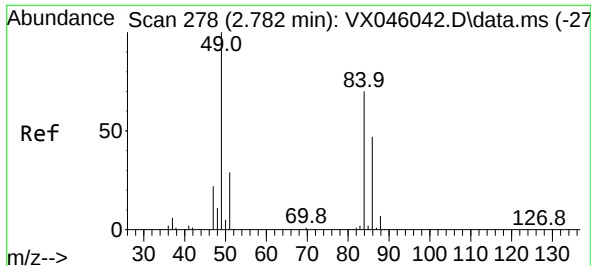
Tgt Ion:168 Resp: 60772
Ion Ratio Lower Upper
168 100
99 68.7 54.9 82.3



#16
Acetone
Concen: 1.083 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8

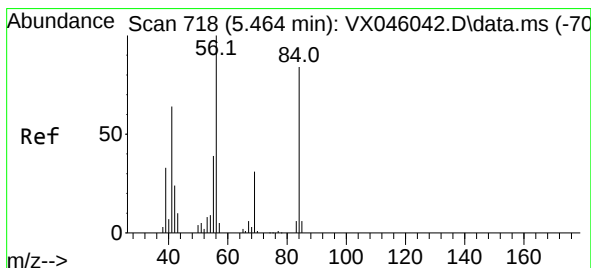
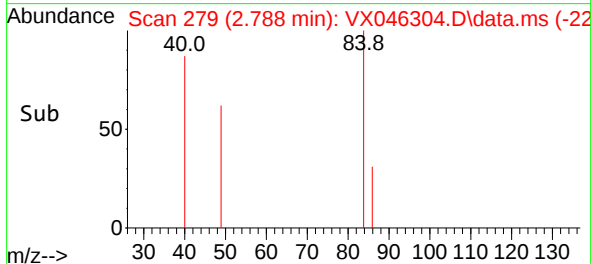
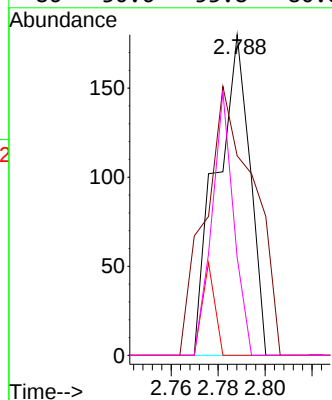
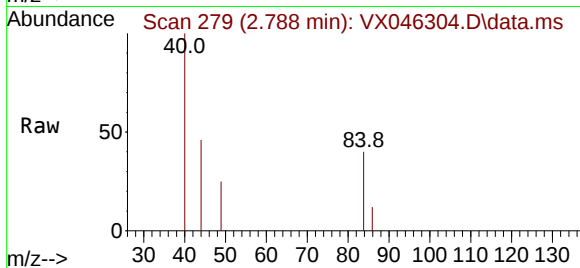




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

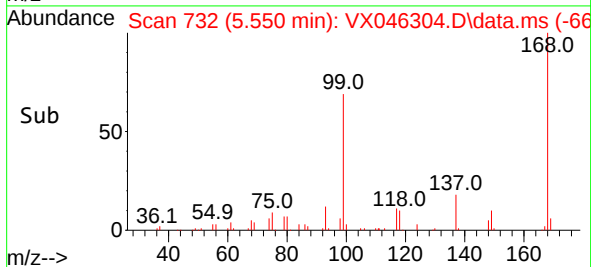
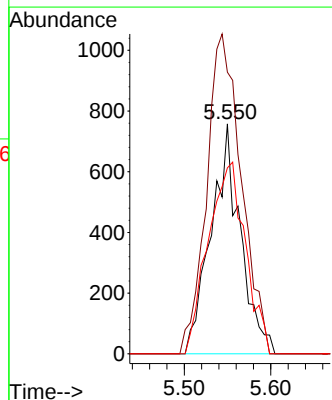
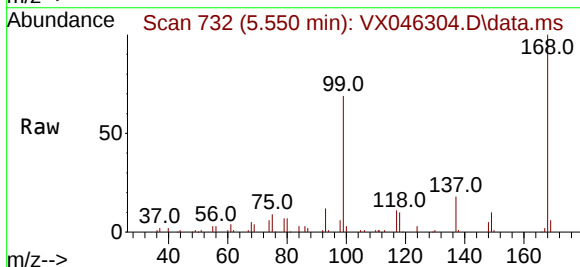
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0078

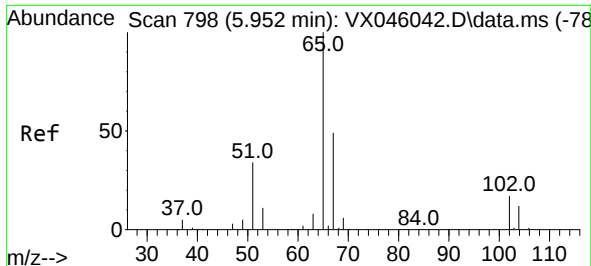
Tgt Ion:	84	Resp:	177
Ion	Ratio	Lower	Upper
84	100		
49	62.2	113.9	170.9#
51	0.0	33.5	50.3#
86	30.6	53.8	80.8#



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Tgt Ion:	56	Resp:	1779
Ion	Ratio	Lower	Upper
56	100		
69	122.4	24.4	36.6#
84	80.9	66.9	100.3

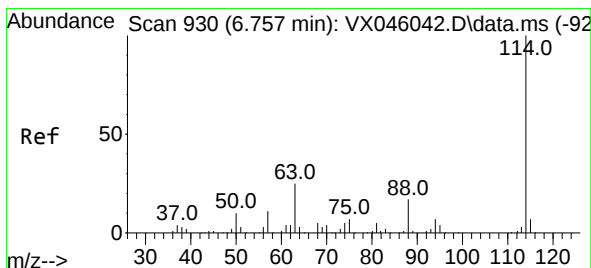
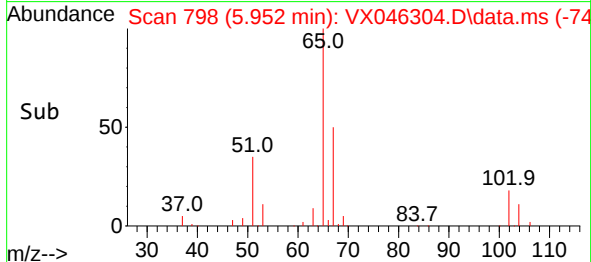
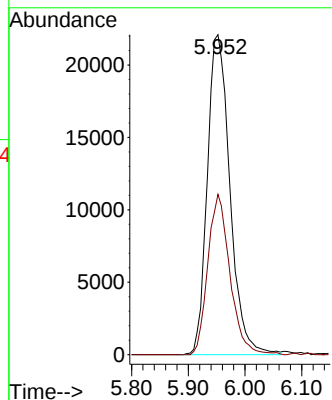
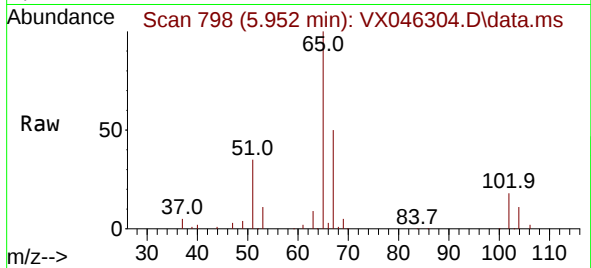




#33
 1,2-Dichloroethane-d4
 Concen: 54.106 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046304.D
 Acq: 21 May 2025 17:48

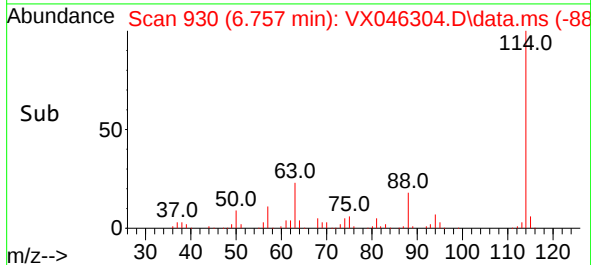
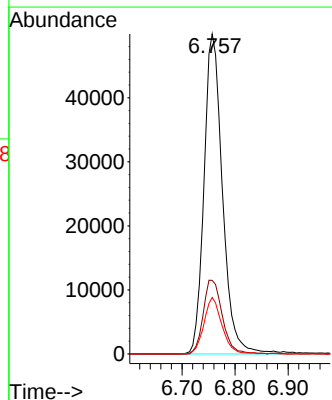
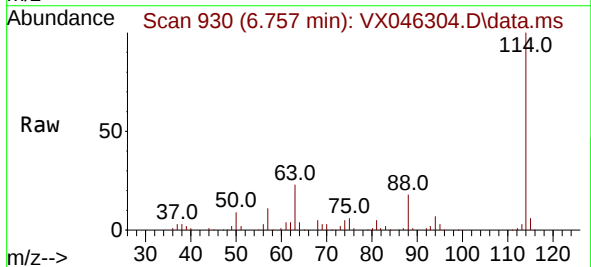
Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0078

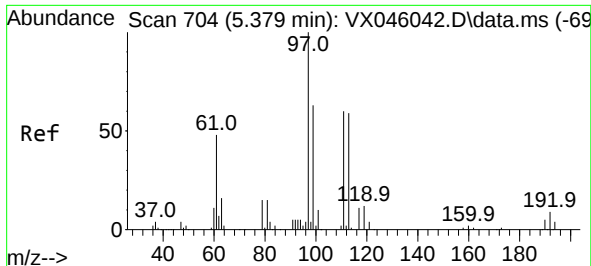
Tgt Ion: 65 Resp: 61301
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046304.D
 Acq: 21 May 2025 17:48

Tgt Ion: 114 Resp: 120831
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 49.2
 88 17.6 0.0 33.6

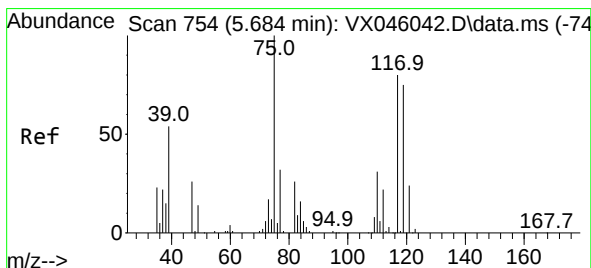
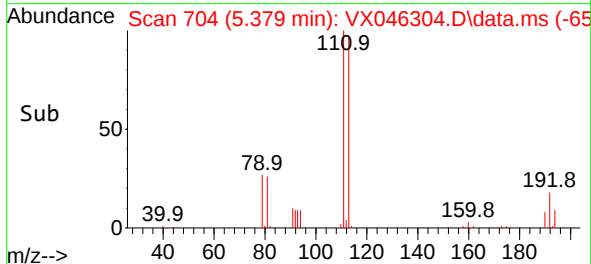
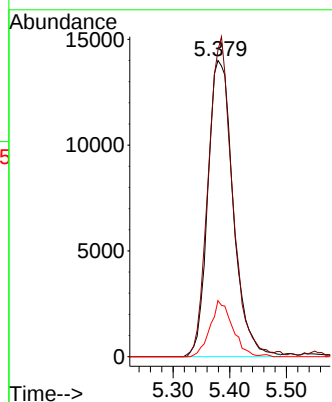
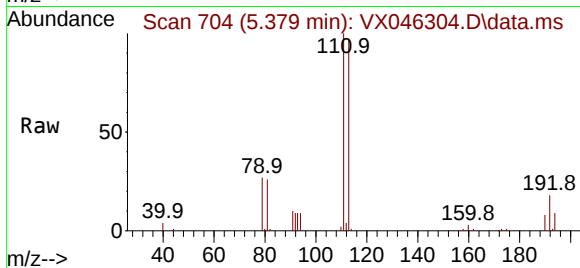




#35
Dibromofluoromethane
Concen: 50.072 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

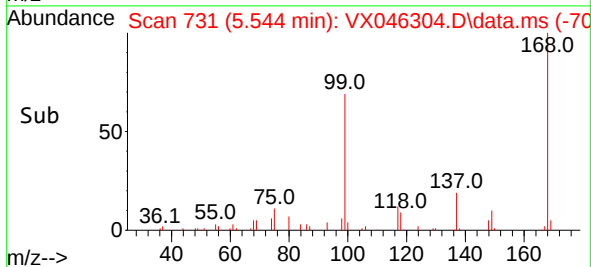
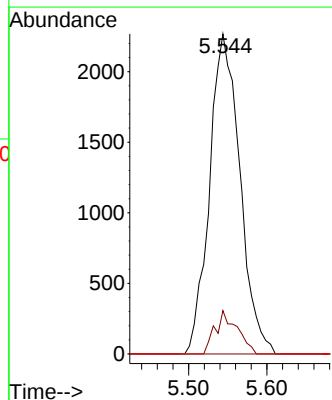
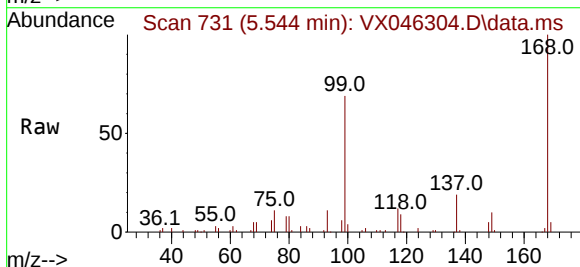
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0078

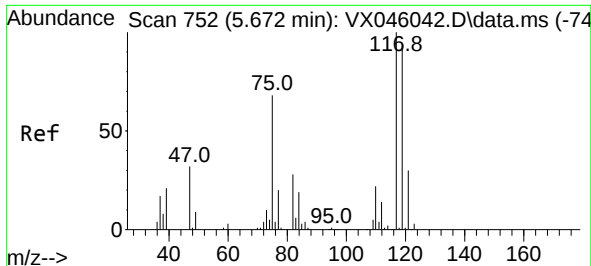
Tgt Ion:113 Resp: 43568
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.232 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

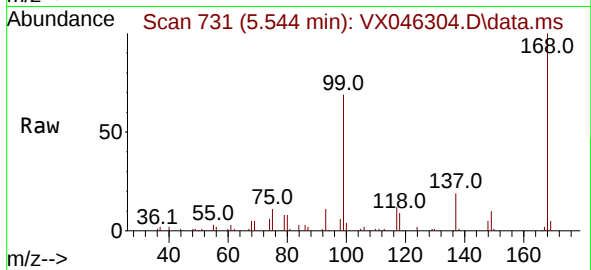
Tgt Ion: 75 Resp: 6117
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#



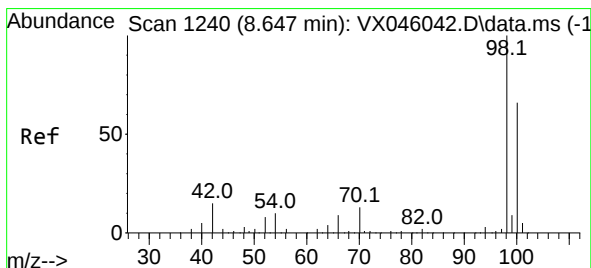
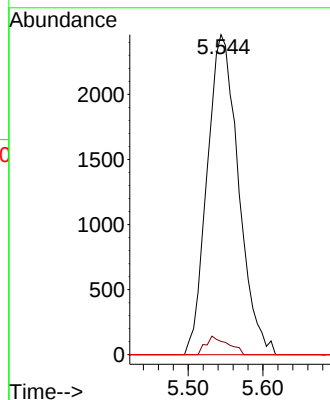
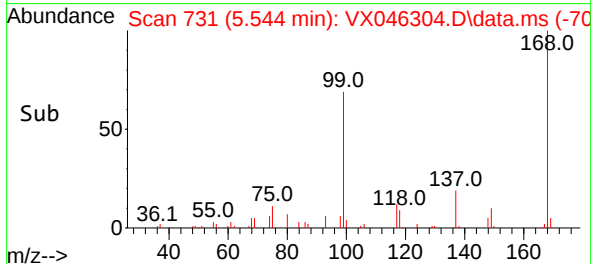


#38
Carbon Tetrachloride
Concen: 5.462 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0078

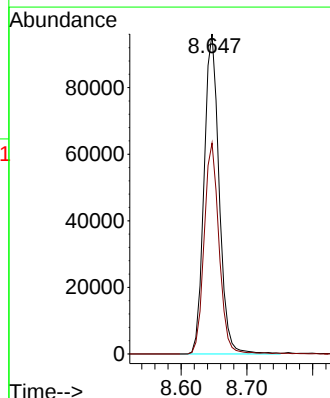
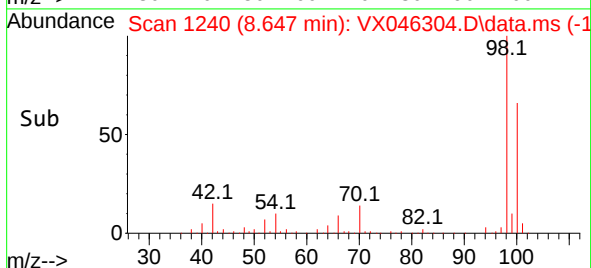
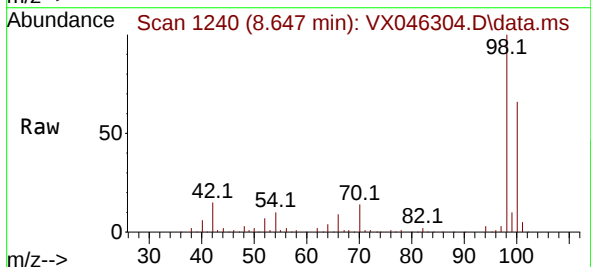


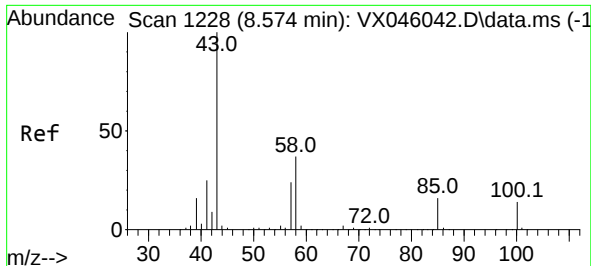
Tgt Ion:117 Resp: 7175
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.757 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Tgt Ion: 98 Resp: 152859
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3

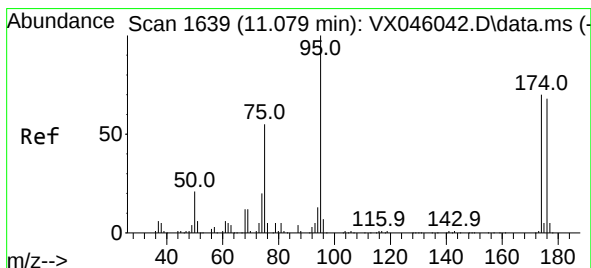
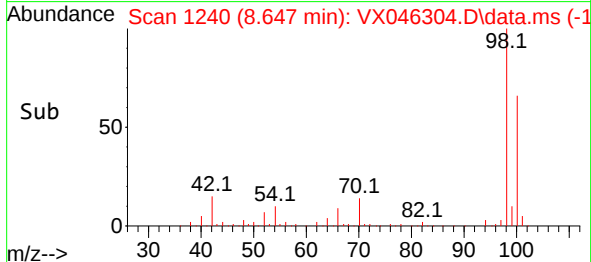
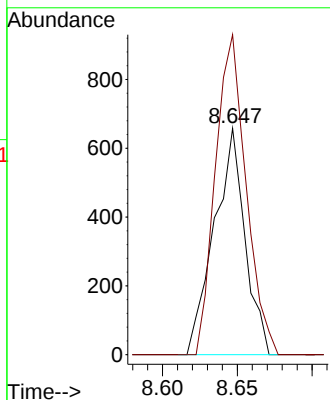
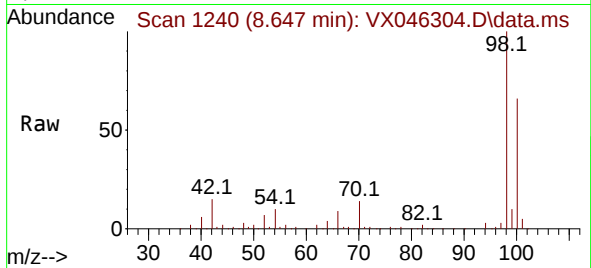




#51
4-Methyl-2-Pentanone
Concen: 0.643 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

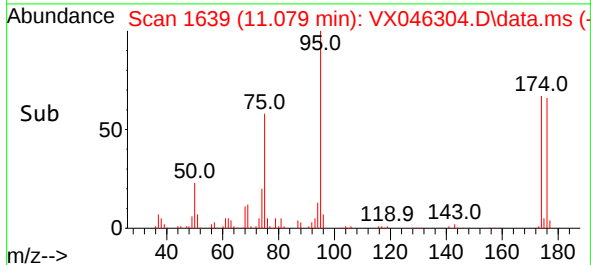
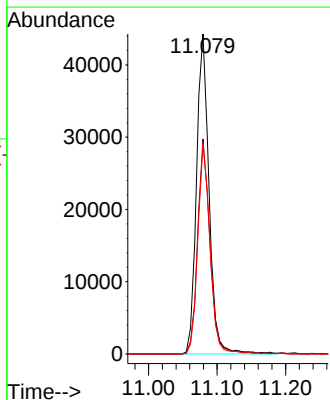
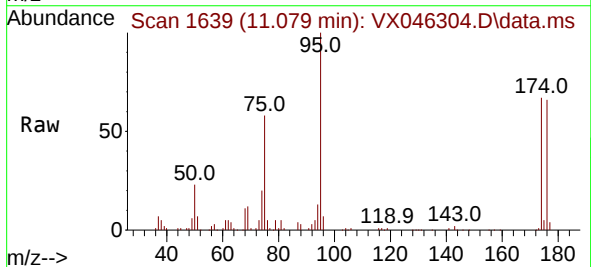
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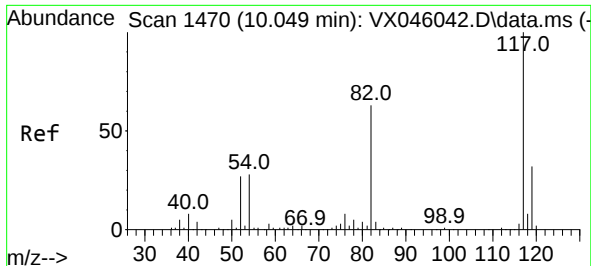
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 140.7 28.9 43.3#



#62
4-Bromofluorobenzene
Concen: 48.975 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Tgt Ion: 95 Resp: 56576
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 63.9 0.0 131.4

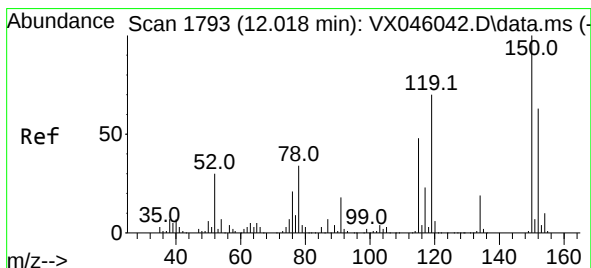
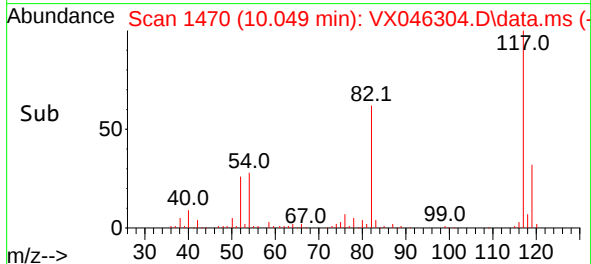
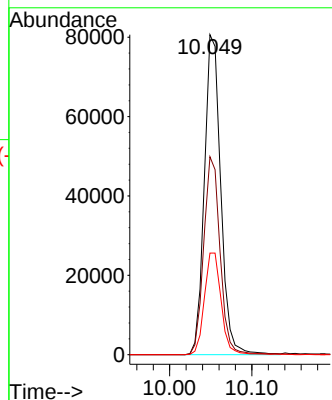
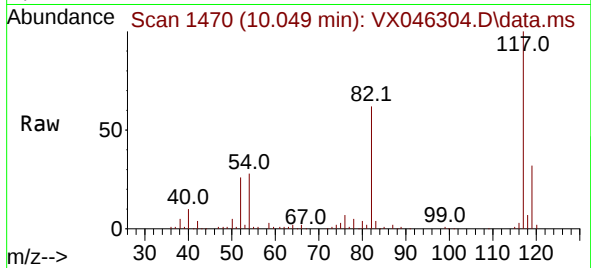




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

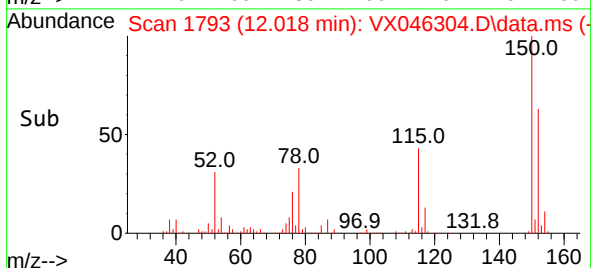
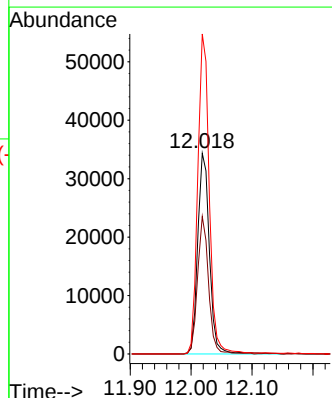
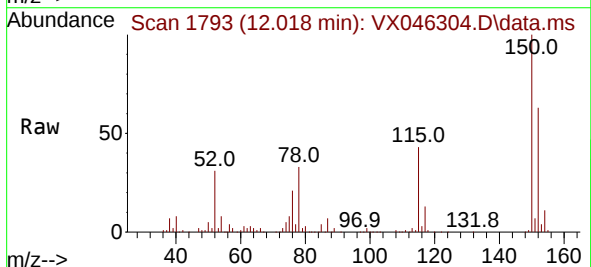
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LAW-25-0078

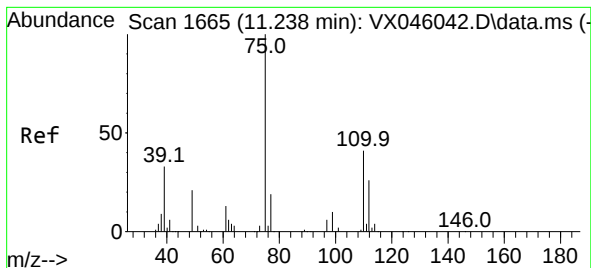
Tgt Ion:117 Resp: 111924
Ion Ratio Lower Upper
117 100
82 61.9 50.6 76.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046304.D
Acq: 21 May 2025 17:48

Tgt Ion:152 Resp: 45729
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 156.2 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.592 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046304.D

Acq: 21 May 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

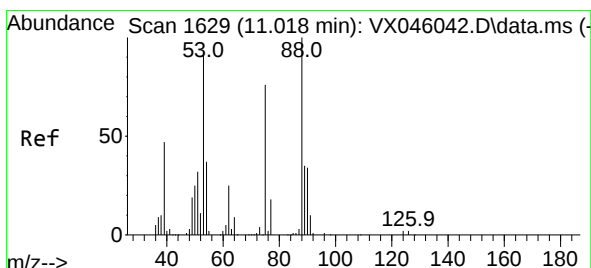
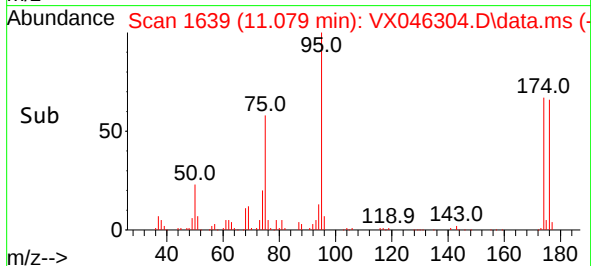
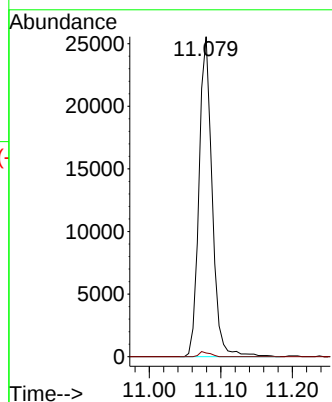
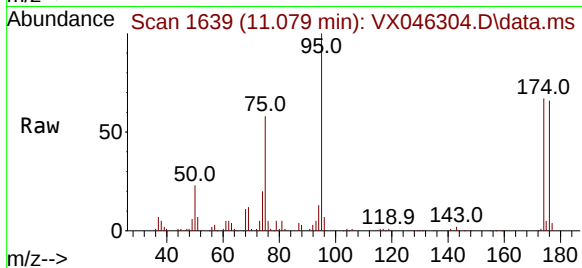
LAW-25-0078

Tgt Ion: 75 Resp: 32573

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.344 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046304.D

Acq: 21 May 2025 17:48

Tgt Ion: 75 Resp: 32573

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

