

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047934.D
 Acq On : 01 Oct 2025 13:04
 Operator : JC/MD
 Sample : Q3193-07RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GM38-RW3-MW1-20250922

Quant Time: Oct 03 01:20:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

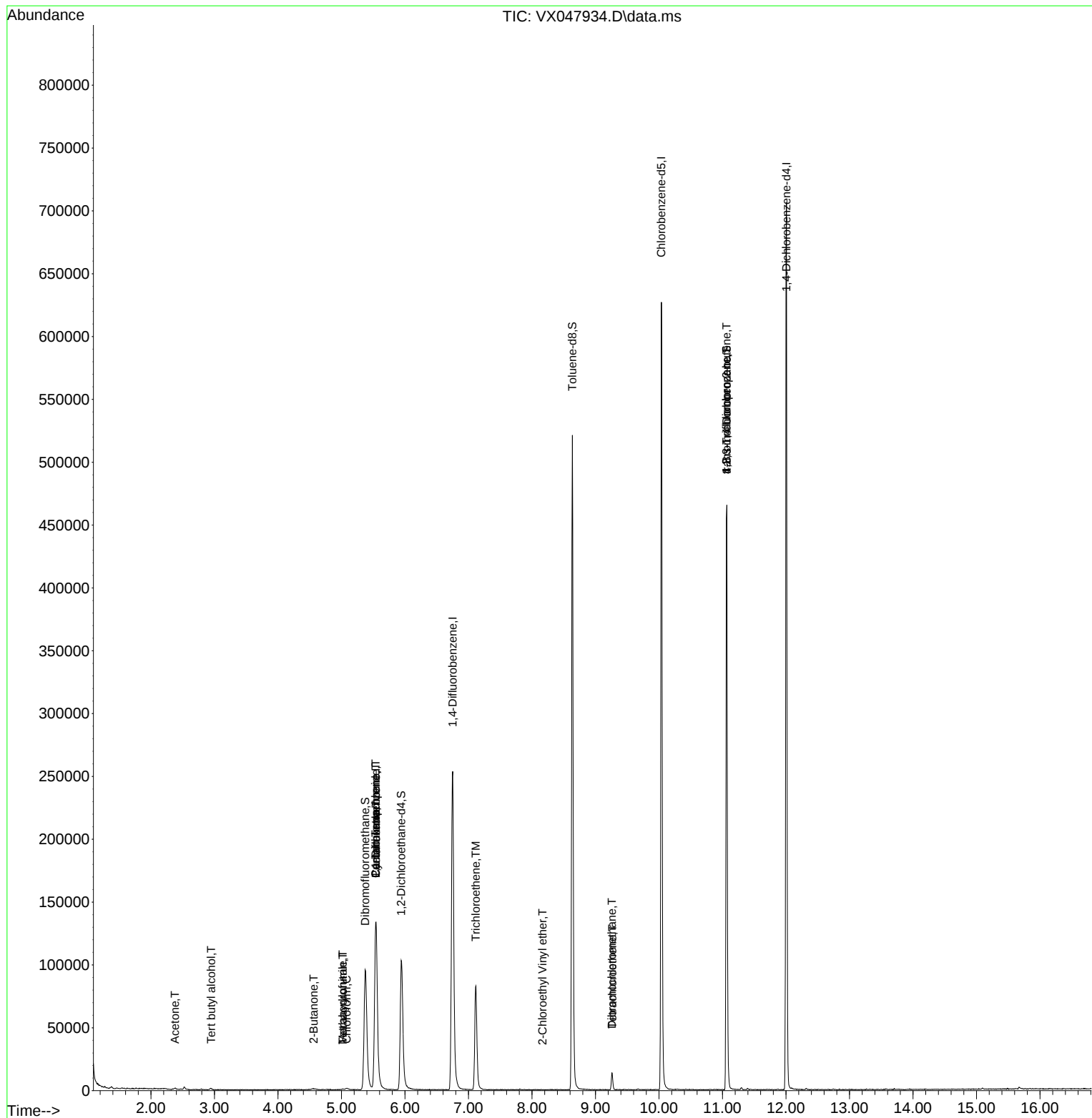
Internal Standards						
1) Pentafluorobenzene	5.544	168	137828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	279360	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	114553	52.215	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.420%	
35) Dibromofluoromethane	5.373	113	93231	49.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.520%	
50) Toluene-d8	8.635	98	315092	48.604	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	11.061	95	137437	55.861	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	361	1.477	ug/l #	72
16) Acetone	2.380	43	1583	1.659	ug/l #	89
25) 2-Butanone	4.562	43	346	0.291	ug/l #	50
29) Tetrahydrofuran	5.020	42	377	0.527	ug/l #	52
30) Chloroform	5.080	83	1515	0.431	ug/l	88
31) Cyclohexane	5.544	56	2914	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11876	4.338	ug/l #	47
38) Carbon Tetrachloride	5.538	117	14752	4.959	ug/l #	18
41) Methacrylonitrile	5.020	41	370	0.245	ug/l #	33
44) Trichloroethene	7.117	130	35808	17.812	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.165	63	124	7.976	ug/l #	47
60) Dibromochloromethane	9.257	129	2511	1.103	ug/l #	11
64) Tetrachloroethene	9.263	164	2804	1.490	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	72083	23.742	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	72083	60.547	ug/l #	8

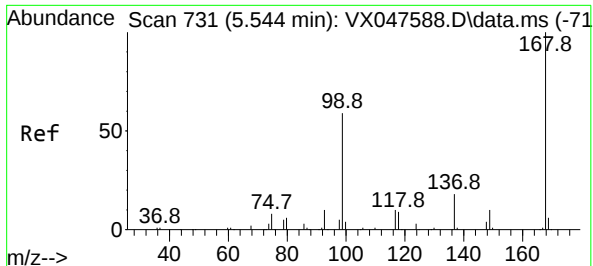
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
Data File : VX047934.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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ClientSampleId :
GM38-RW3-MW1-20250922

Quant Time: Oct 03 01:20:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

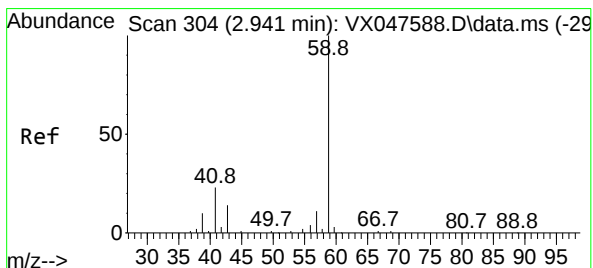
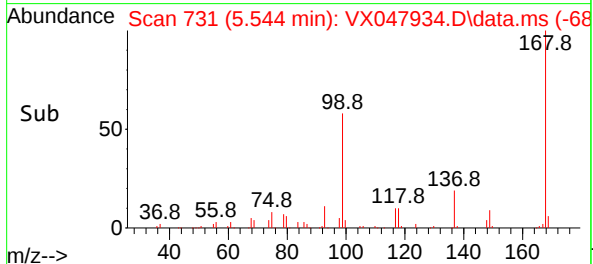
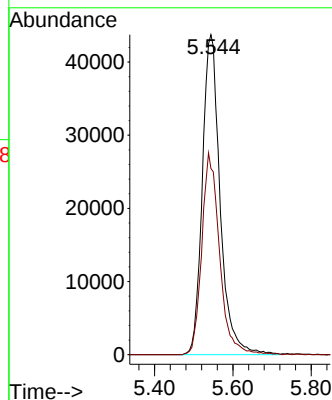
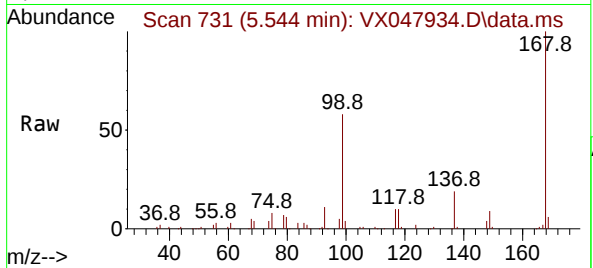




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

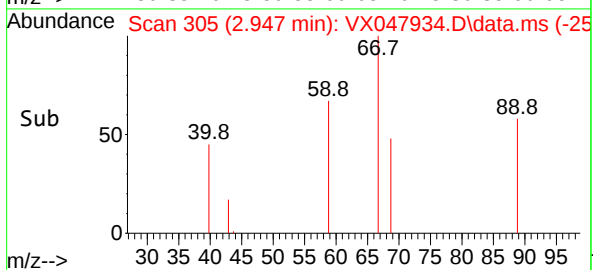
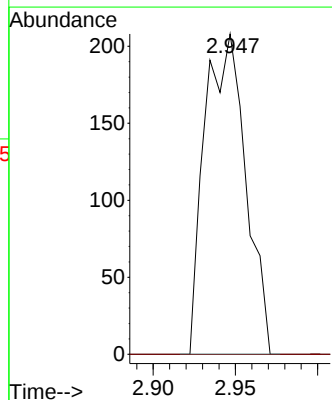
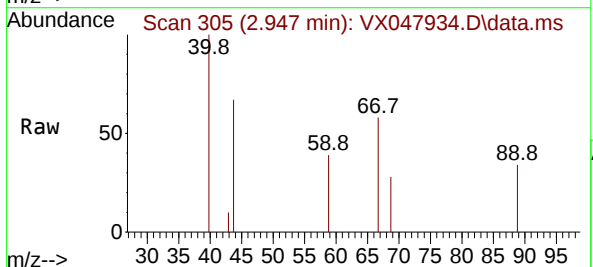
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

Tgt Ion:168 Resp: 137828
Ion Ratio Lower Upper
168 100
99 58.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.477 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

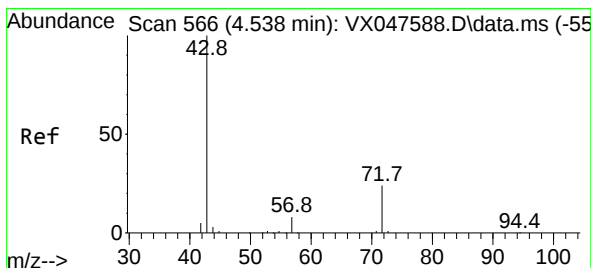
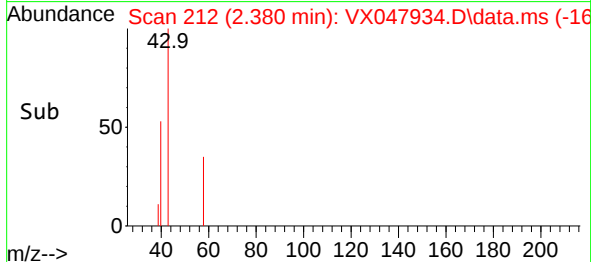
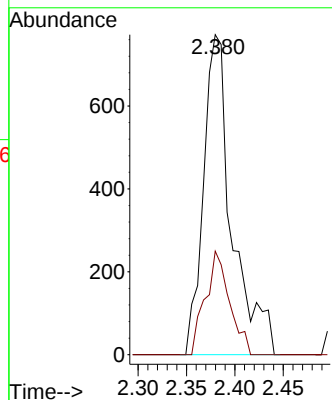
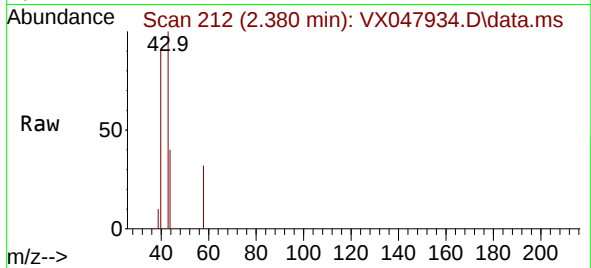




#16
Acetone
Concen: 1.659 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

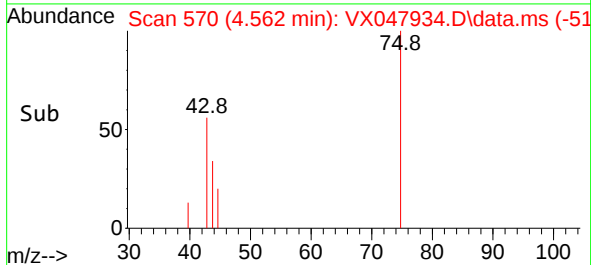
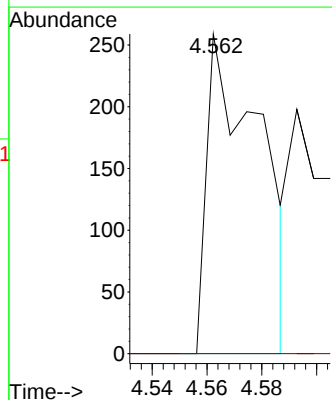
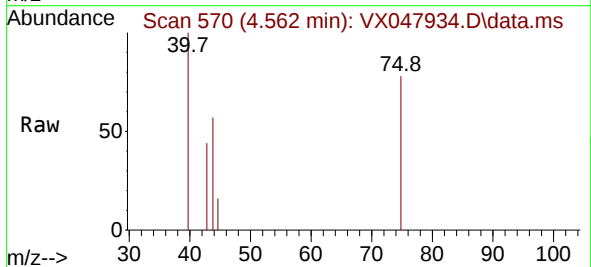
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

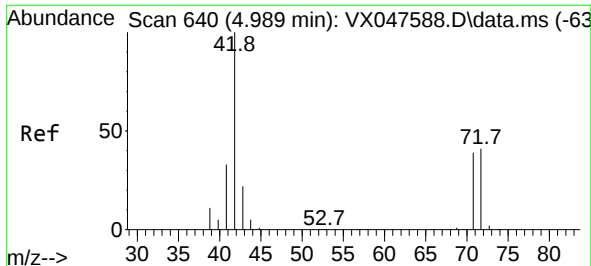
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 23.1 23.4 35.0#



#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#





#29

Tetrahydrofuran

Concen: 0.527 ug/l

RT: 5.020 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX047934.D

Acq: 01 Oct 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250922

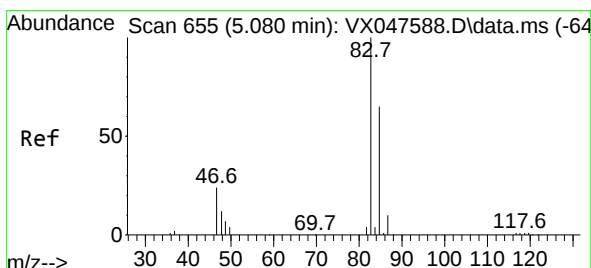
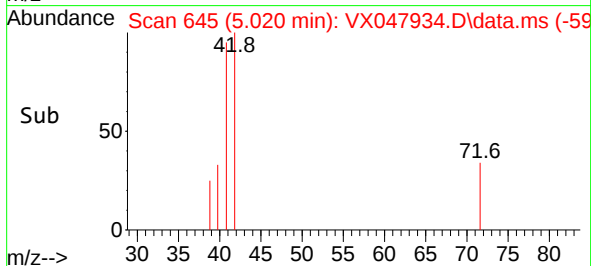
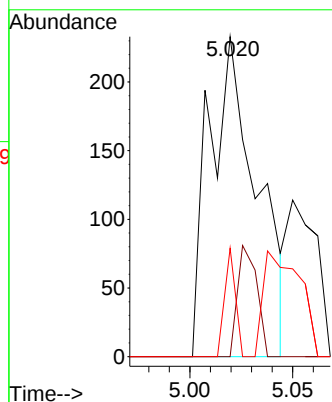
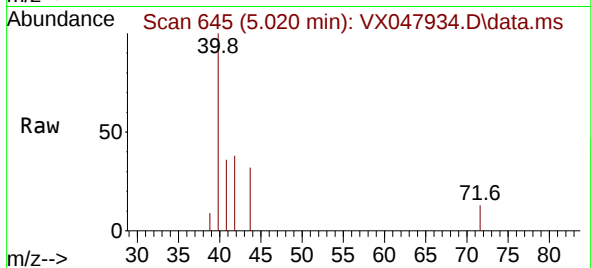
Tgt Ion: 42 Resp: 377

Ion Ratio Lower Upper

42 100

72 14.1 34.2 51.2#

71 7.7 31.9 47.9#



#30

Chloroform

Concen: 0.431 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.000 min

Lab File: VX047934.D

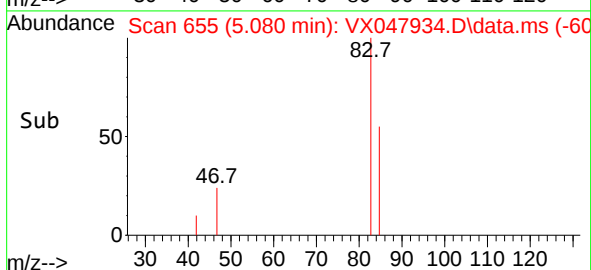
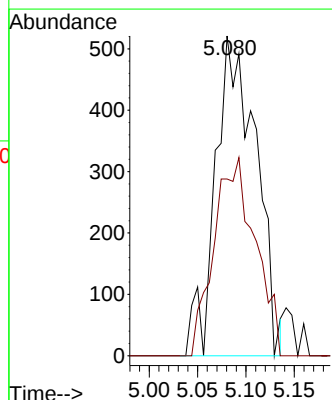
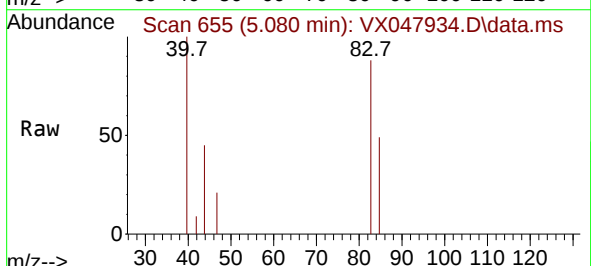
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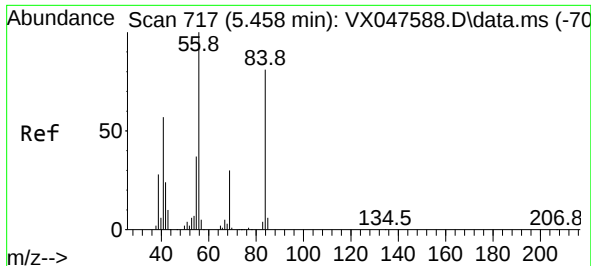
Tgt Ion: 83 Resp: 1515

Ion Ratio Lower Upper

83 100

85 55.3 51.8 77.6

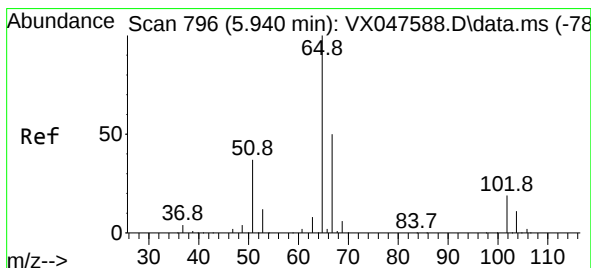
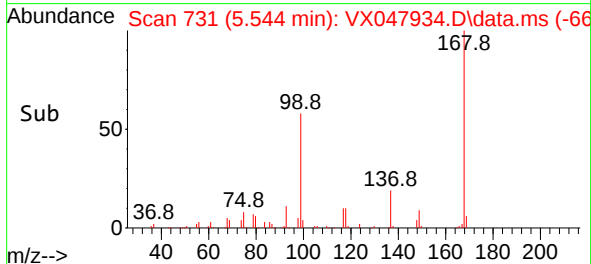
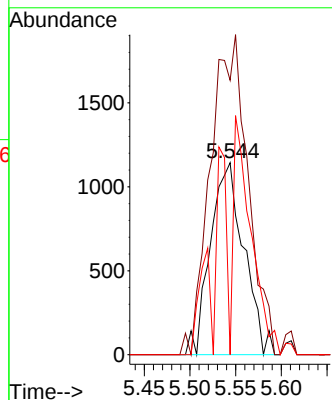
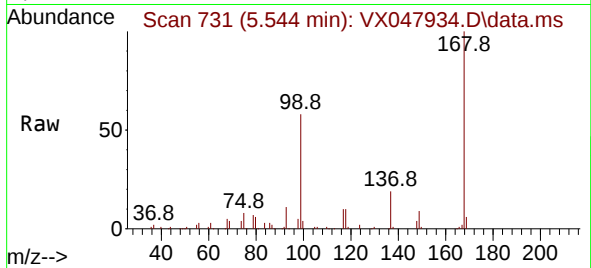




#31
Cyclohexane
Concen: 1.005 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

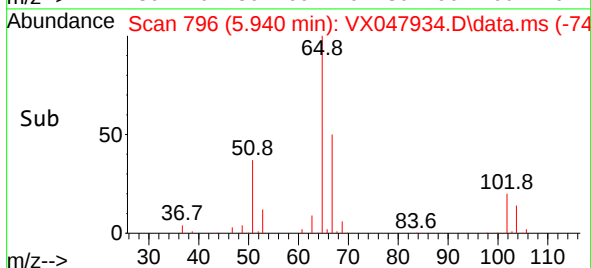
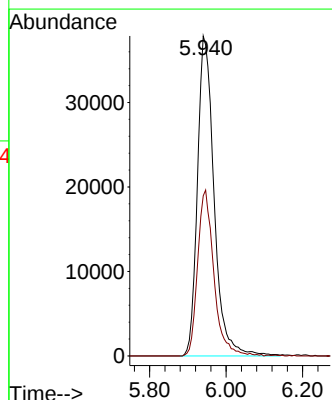
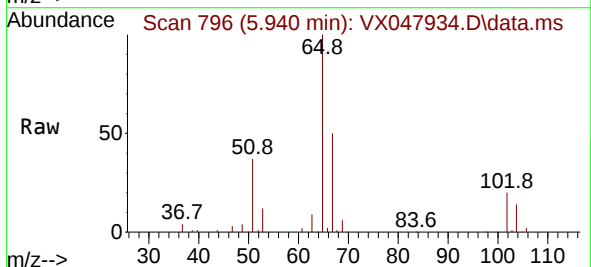
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

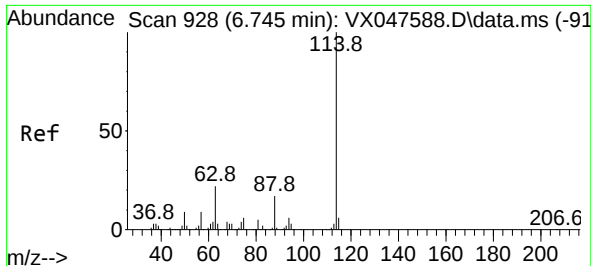
Tgt Ion: 56 Resp: 2914
Ion Ratio Lower Upper
56 100
69 142.8 23.8 35.8#
84 0.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 65 Resp: 114553
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

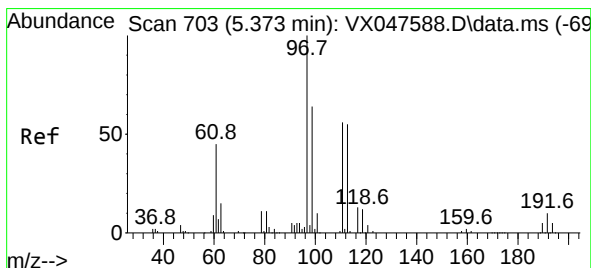
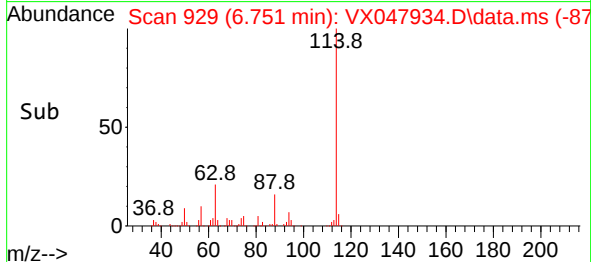
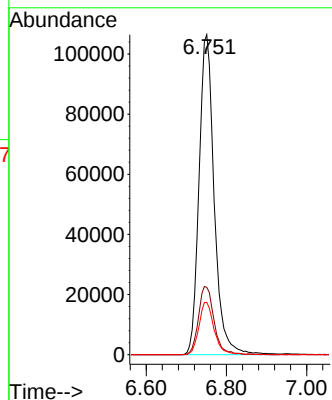
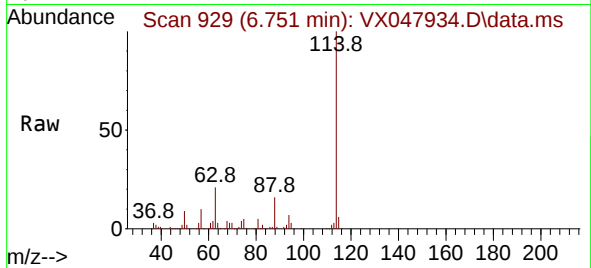




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

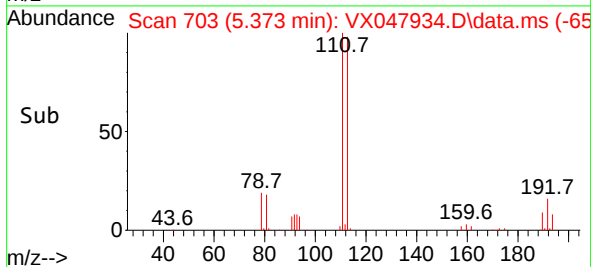
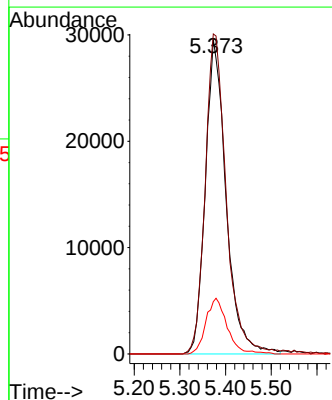
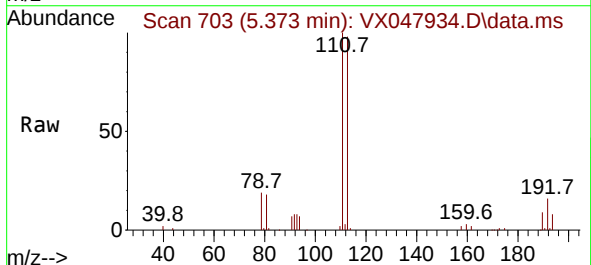
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MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

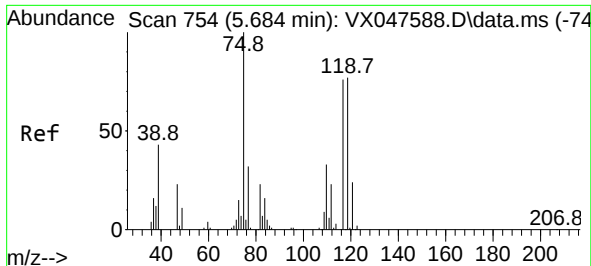
Tgt Ion:114 Resp: 279360
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 16.4 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion:113 Resp: 93231
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 18.2 14.2 21.4

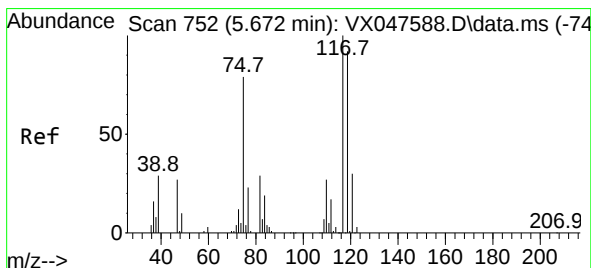
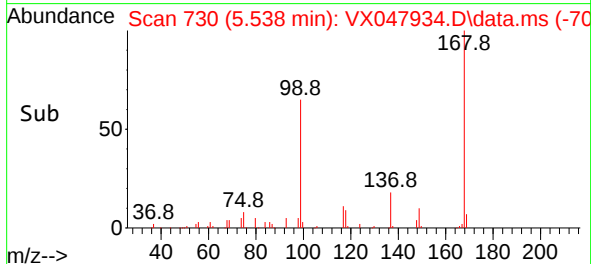
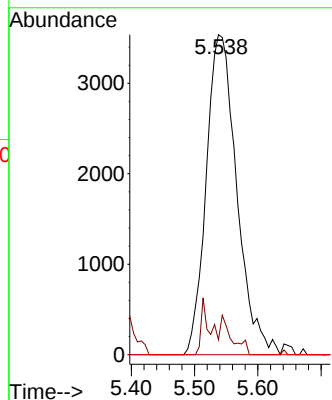
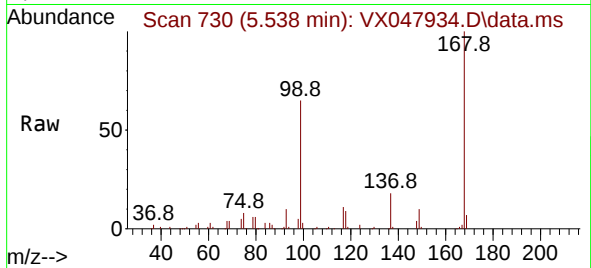




#36
1,1-Dichloropropene
Concen: 4.338 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

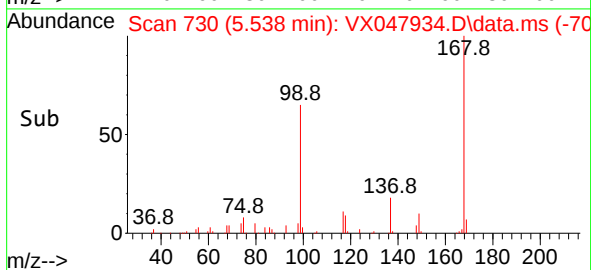
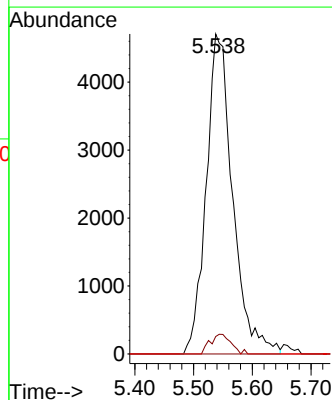
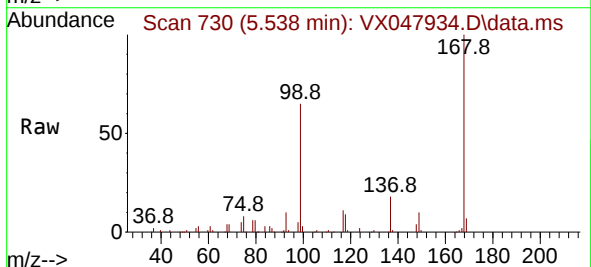
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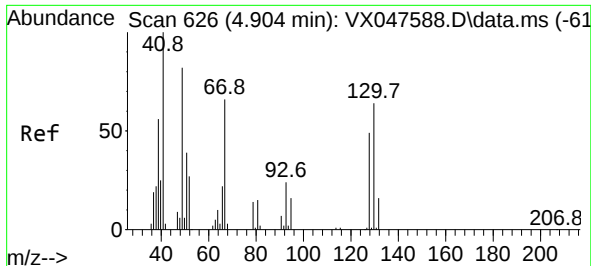
Tgt Ion: 75 Resp: 11876
Ion Ratio Lower Upper
75 100
110 4.5 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.959 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 117 Resp: 14752
Ion Ratio Lower Upper
117 100
119 5.5 73.4 110.2#
121 0.0 23.8 35.6#

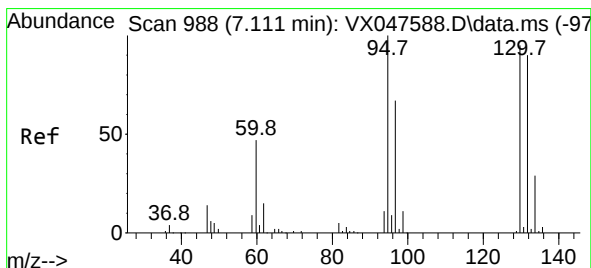
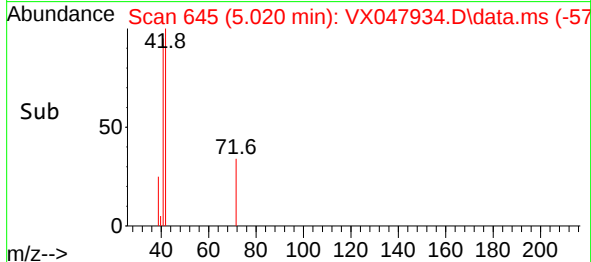
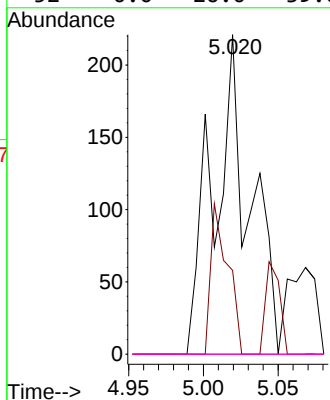
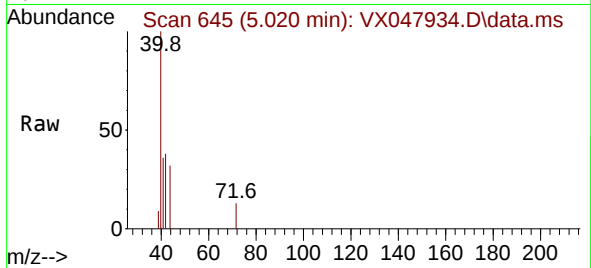




#41
Methacrylonitrile
Concen: 0.245 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.116 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

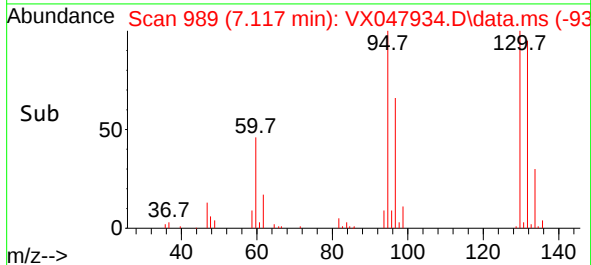
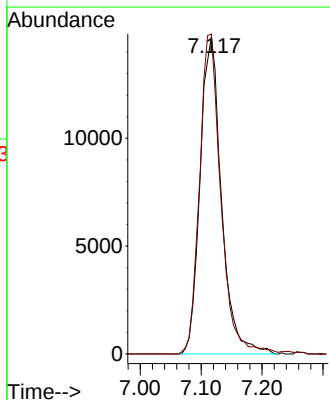
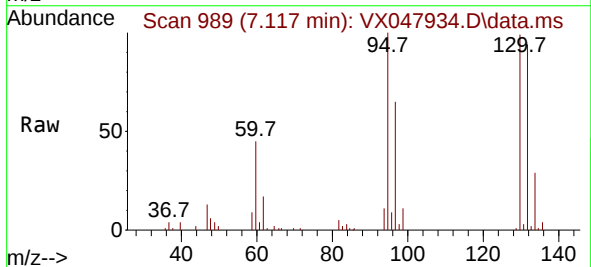
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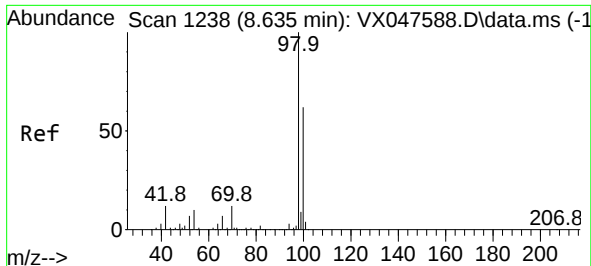
Tgt Ion:	41	Resp:	370
Ion	Ratio	Lower	Upper
41	100		
39	22.4	43.3	64.9#
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#44
Trichloroethene
Concen: 17.812 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion:	130	Resp:	35808
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	210.8

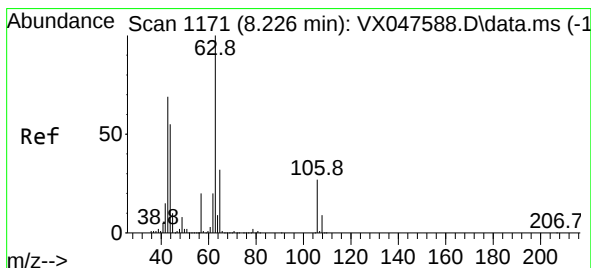
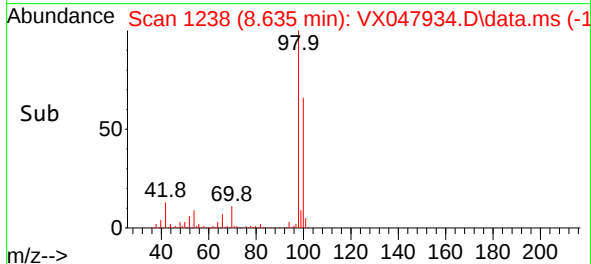
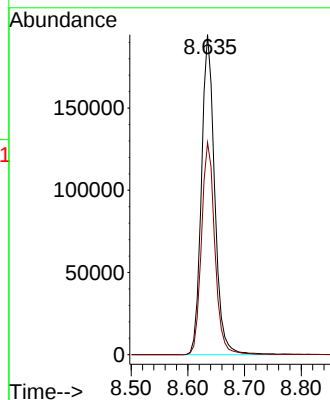
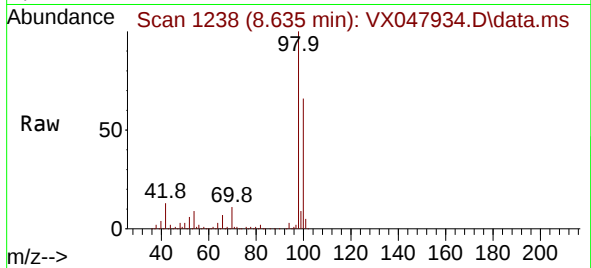




#50
Toluene-d8
Concen: 48.604 ug/l
RT: 8.635 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

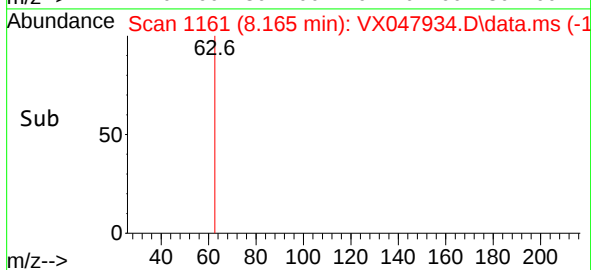
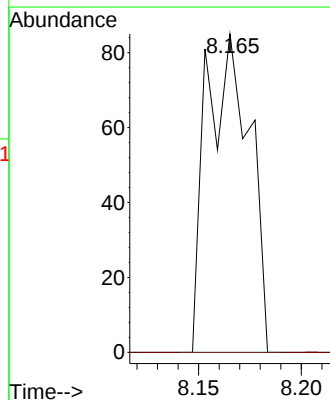
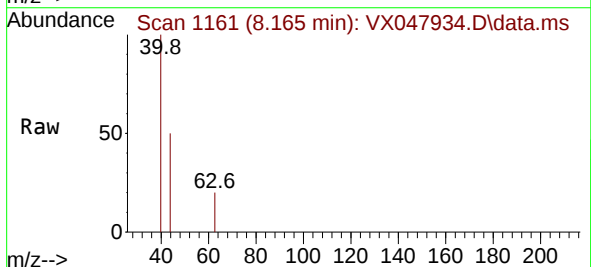
Instrument :
MSVOA_X
ClientSampleId :
GM38-RW3-MW1-20250922

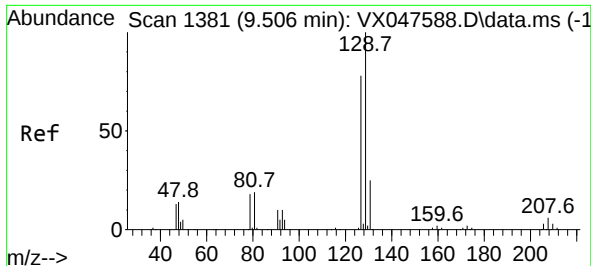
Tgt Ion: 98 Resp: 315092
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#58
2-Chloroethyl Vinyl ether
Concen: 7.976 ug/l
RT: 8.165 min Scan# 1161
Delta R.T. -0.061 min
Lab File: VX047934.D
Acq: 01 Oct 2025 13:04

Tgt Ion: 63 Resp: 124
Ion Ratio Lower Upper
63 100
106 0.0 21.9 32.9#





#60

Dibromochloromethane

Concen: 1.103 ug/l

RT: 9.257 min Scan# 1

Delta R.T. -0.250 min

Lab File: VX047934.D

Acq: 01 Oct 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

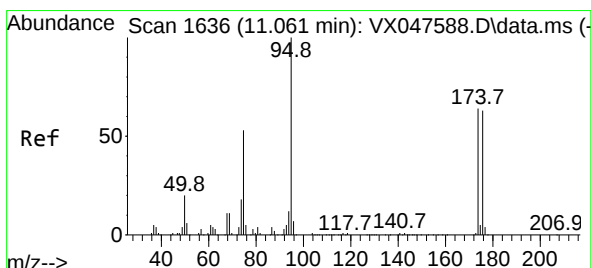
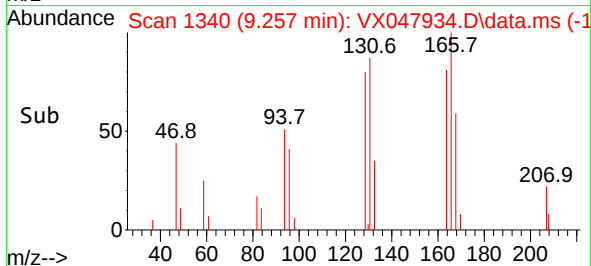
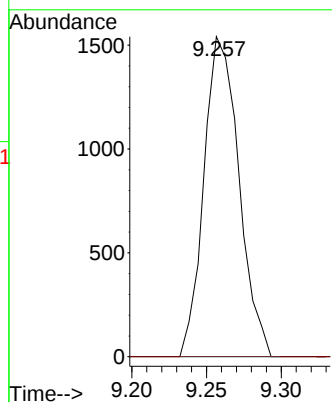
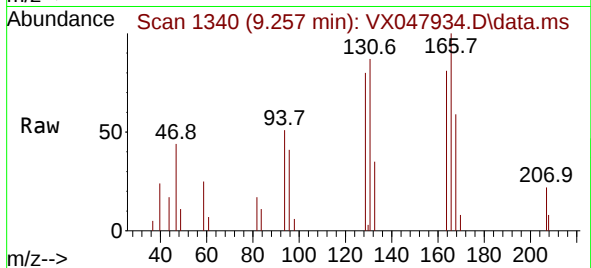
GM38-RW3-MW1-20250922

Tgt Ion:129 Resp: 2511

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 55.861 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX047934.D

Acq: 01 Oct 2025 13:04

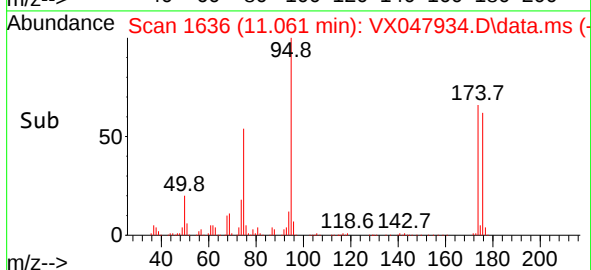
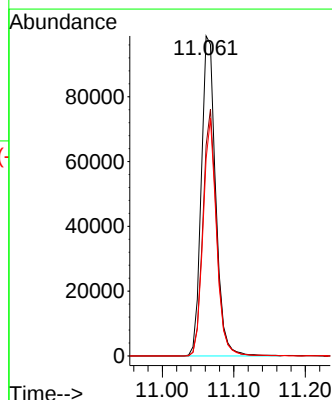
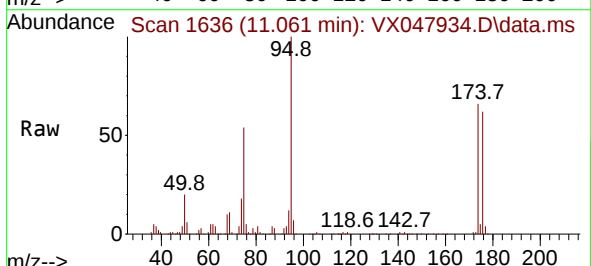
Tgt Ion: 95 Resp: 137437

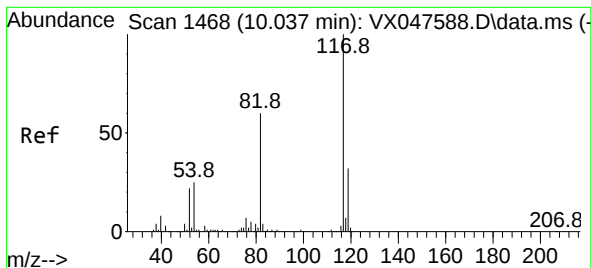
Ion Ratio Lower Upper

95 100

174 73.7 0.0 141.6

176 70.0 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX047934.D

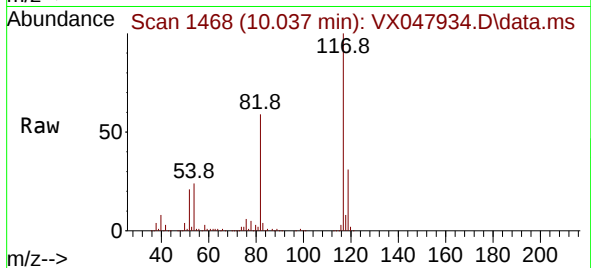
Acq: 01 Oct 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250922



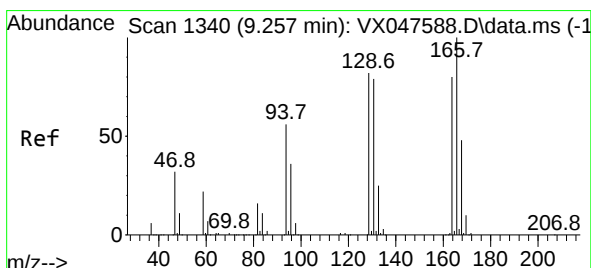
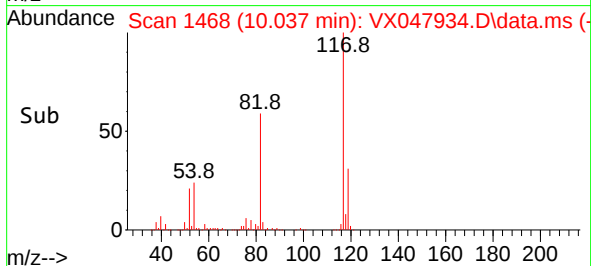
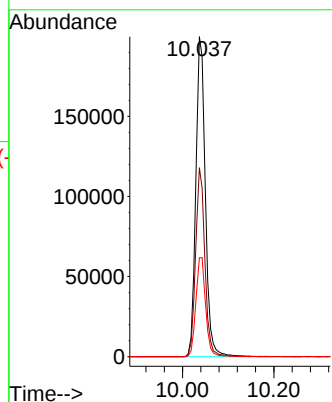
Tgt Ion:117 Resp: 288741

Ion Ratio Lower Upper

117 100

82 59.0 47.8 71.6

119 30.9 25.2 37.8



#64

Tetrachloroethene

Concen: 1.490 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047934.D

Acq: 01 Oct 2025 13:04

Tgt Ion:164 Resp: 2804

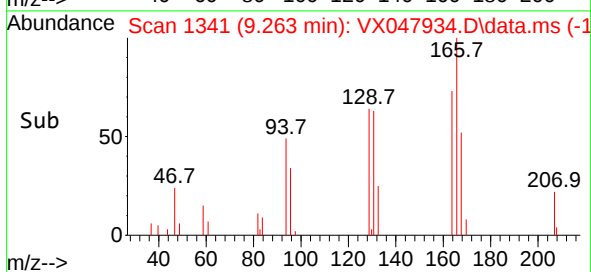
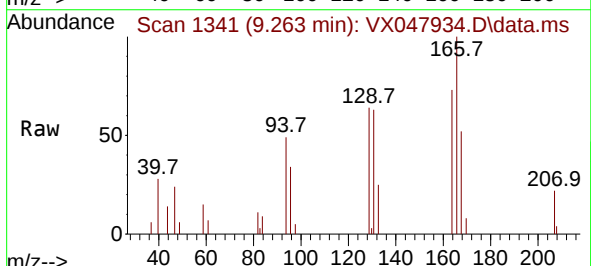
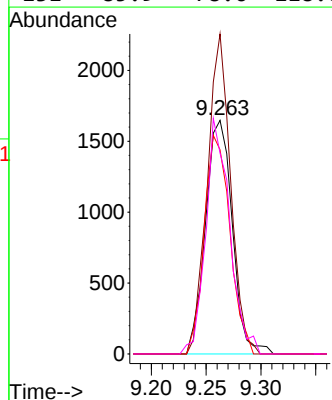
Ion Ratio Lower Upper

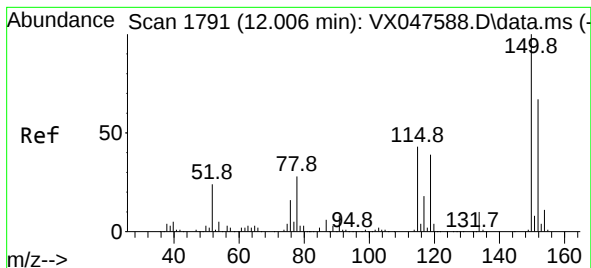
164 100

166 137.0 100.2 150.2

129 87.4 81.8 122.6

131 85.9 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047934.D

Acq: 01 Oct 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

GM38-RW3-MW1-20250922

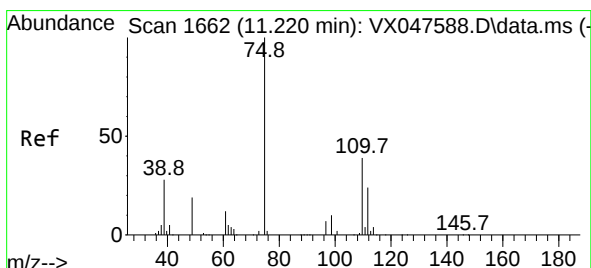
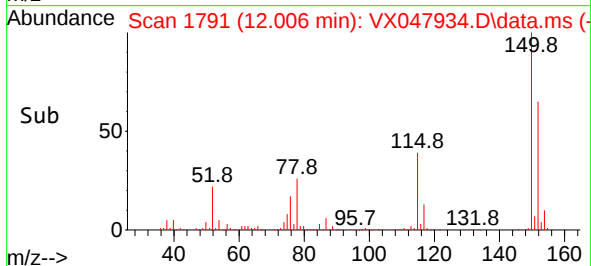
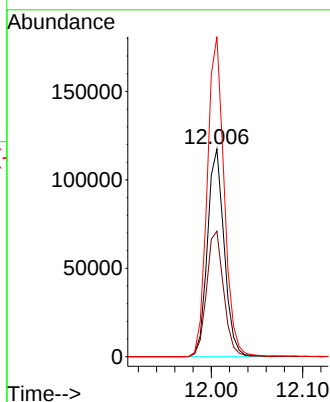
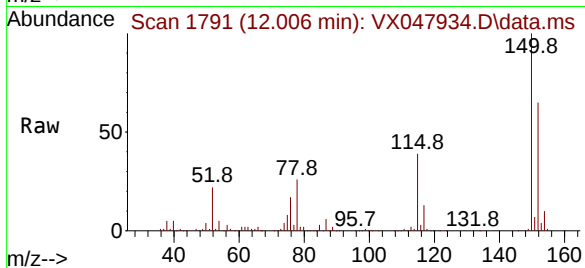
Tgt Ion:152 Resp: 149951

Ion Ratio Lower Upper

152 100

115 61.7 44.9 134.5

150 155.9 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.742 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX047934.D

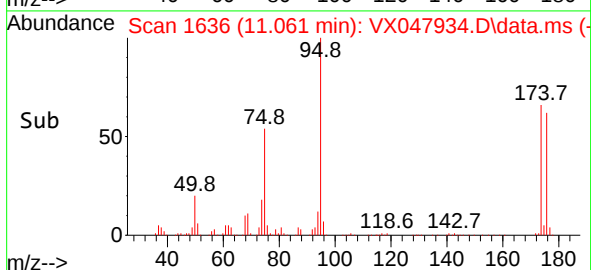
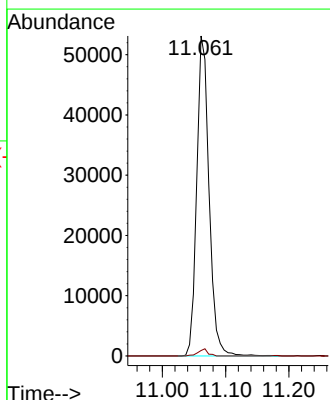
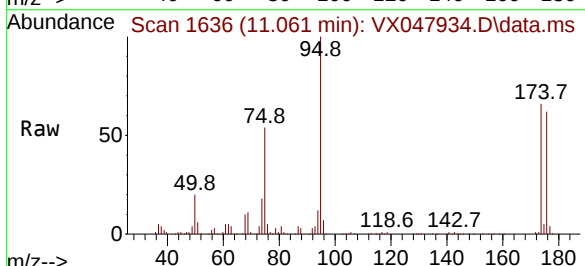
Acq: 01 Oct 2025 13:04

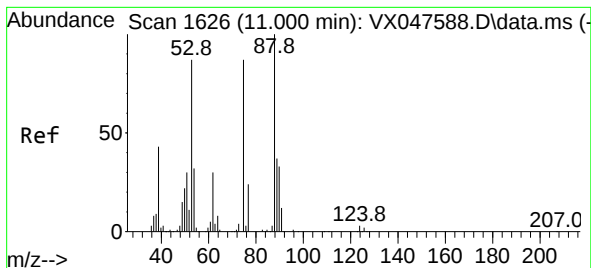
Tgt Ion: 75 Resp: 72083

Ion Ratio Lower Upper

75 100

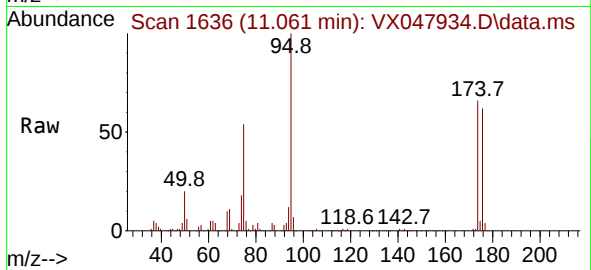
77 1.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.547 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047934.D
 Acq: 01 Oct 2025 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 GM38-RW3-MW1-20250922



Tgt Ion: 75 Resp: 72083
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

