

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045461.D
 Acq On : 26 Mar 2025 11:46
 Operator : JC/MD
 Sample : Q1629-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW09-MW01S-20250320

Quant Time: Mar 27 01:34:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

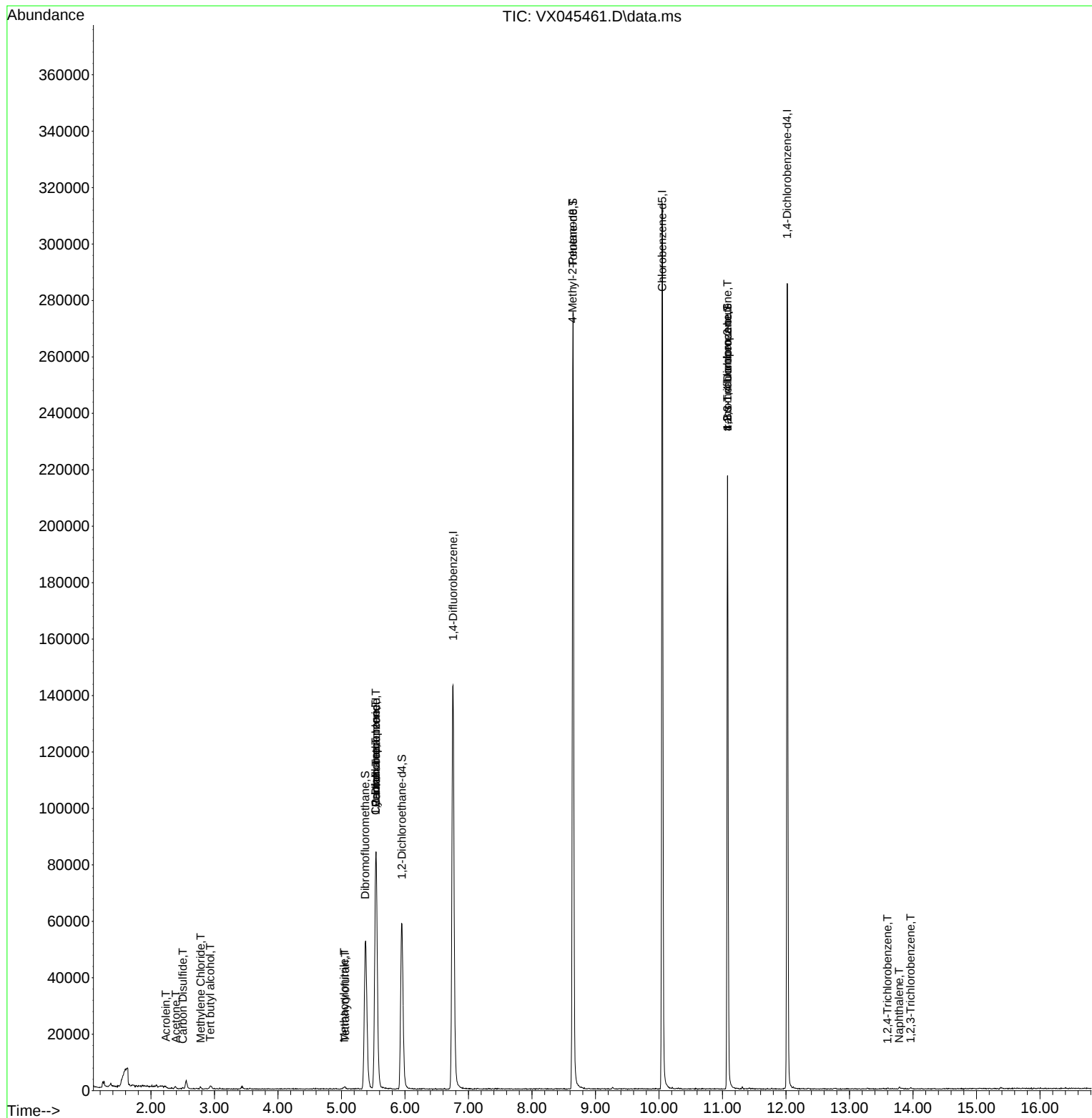
Internal Standards						
1) Pentafluorobenzene	5.544	168	72703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58838	50.878	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.760%		
35) Dibromofluoromethane	5.373	113	45250	48.382	ug/l	-0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.760%		
50) Toluene-d8	8.647	98	159593	47.069	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.140%		
62) 4-Bromofluorobenzene	11.079	95	55417	49.323	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	820	3.743	ug/l #	73
13) Acrolein	2.233	56	93	0.367	ug/l #	80
16) Acetone	2.392	43	798	1.487	ug/l #	82
17) Carbon Disulfide	2.502	76	511	0.215	ug/l #	77
20) Methylene Chloride	2.782	84	267	0.251	ug/l #	63
29) Tetrahydrofuran	5.056	42	552	1.018	ug/l #	57
31) Cyclohexane	5.538	56	2115	1.344	ug/l #	36
36) 1,1-Dichloropropene	5.538	75	7061	5.505	ug/l #	48
38) Carbon Tetrachloride	5.544	117	8632	6.629	ug/l #	16
41) Methacrylonitrile	5.044	41	351	0.393	ug/l #	33
51) 4-Methyl-2-Pentanone	8.641	43	975	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31831	26.119	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31831	89.385	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	202	0.206	ug/l	62
95) Naphthalene	13.780	128	1205	0.319	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.963	180	229	0.221	ug/l #	81

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

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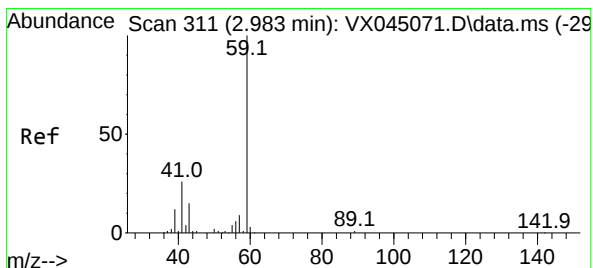
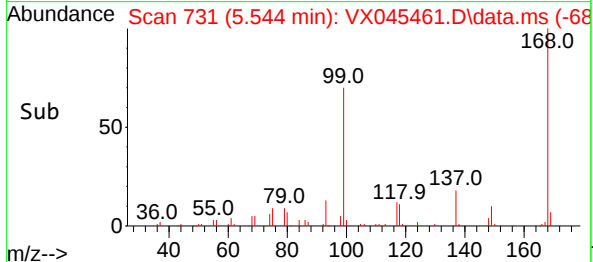
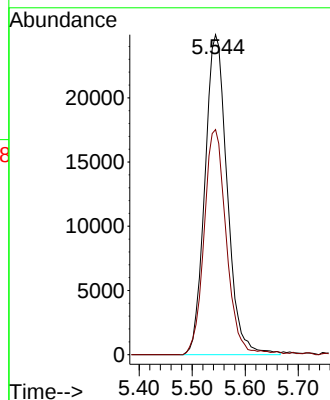
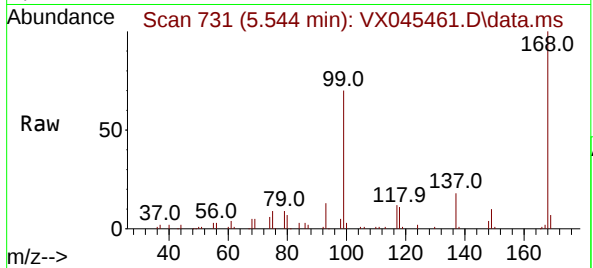




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

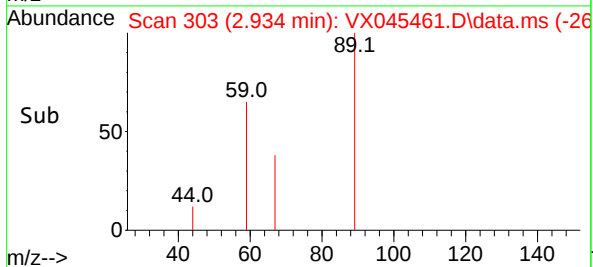
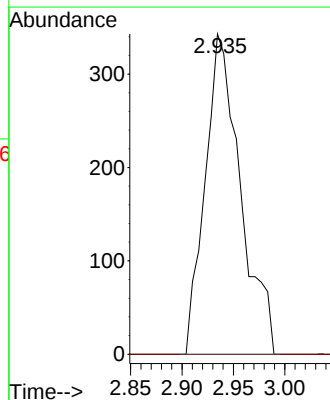
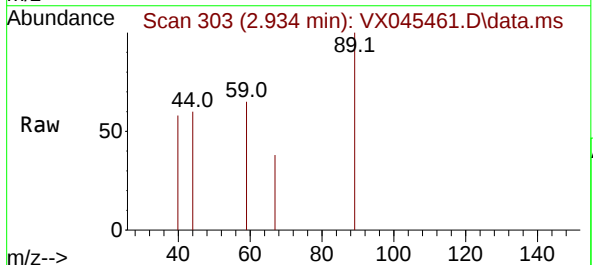
Instrument :
MSVOA_X
ClientSampleId :
RW09-MW01S-20250320

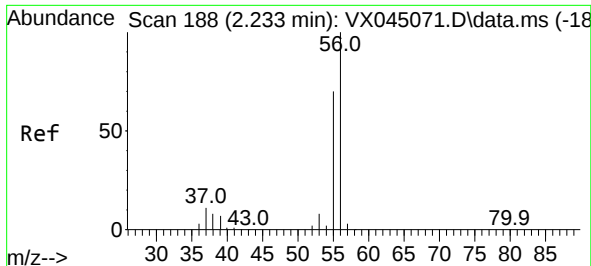
Tgt Ion:168 Resp: 72703
Ion Ratio Lower Upper
168 100
99 70.4 48.2 72.4



#11
Tert butyl alcohol
Concen: 3.743 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

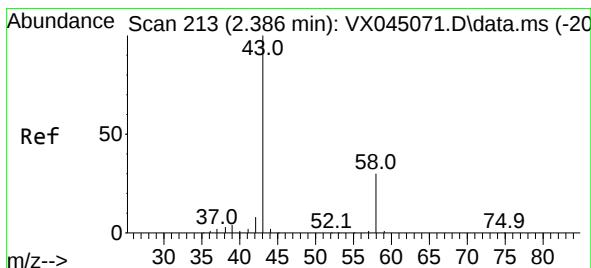
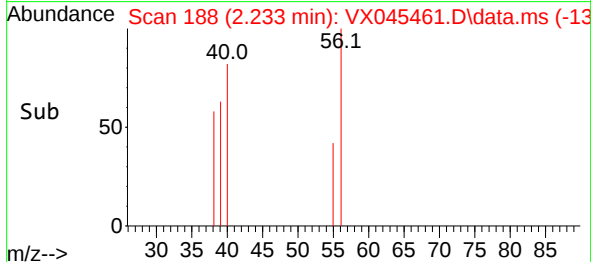
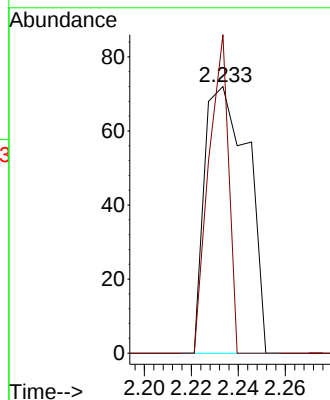
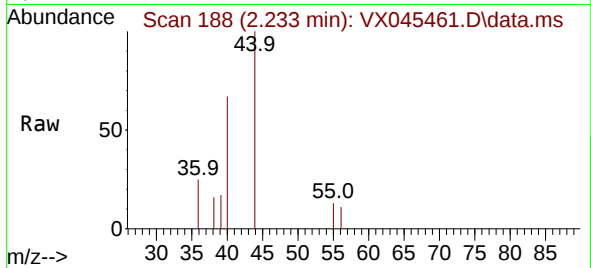




#13
Acrolein
Concen: 0.367 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

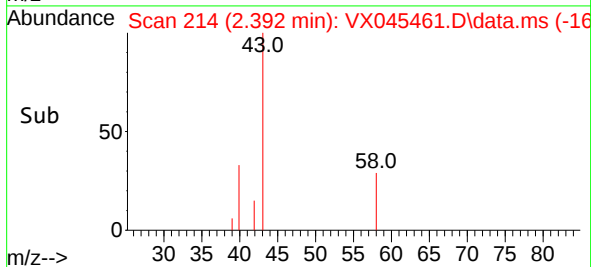
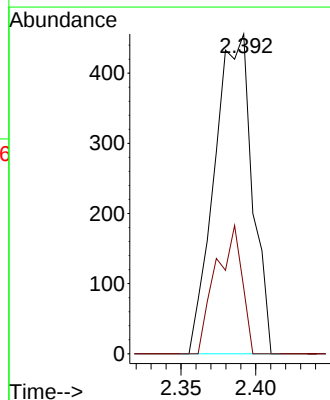
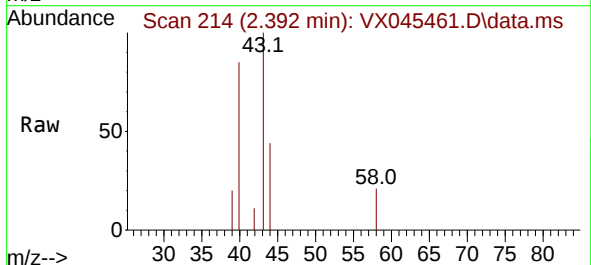
Instrument :
MSVOA_X
ClientSampleId :
RW09-MW01S-20250320

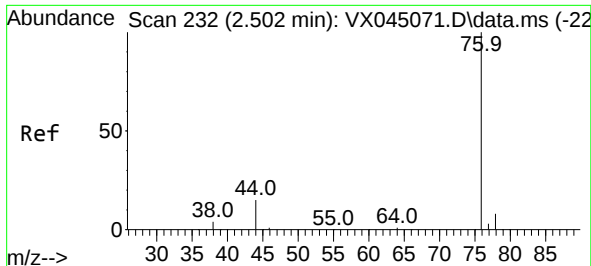
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 53.8 56.2 84.4#



#16
Acetone
Concen: 1.487 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 20.6 24.2 36.4#





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045461.D

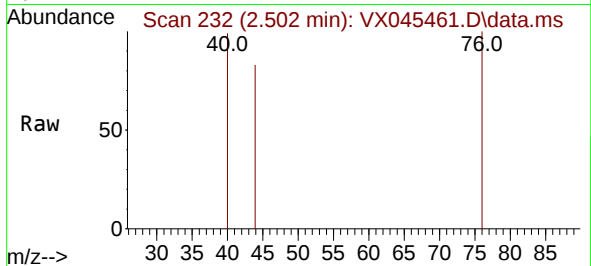
Acq: 26 Mar 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

RW09-MW01S-20250320

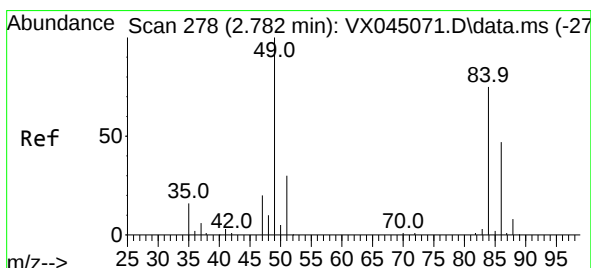
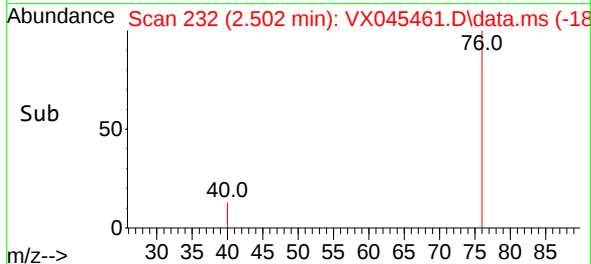
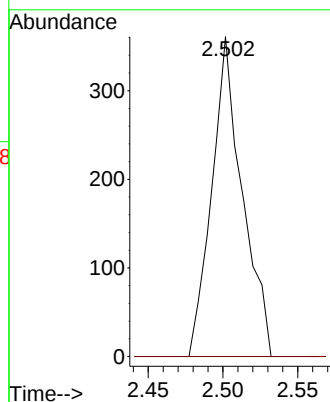


Tgt Ion: 76 Resp: 511

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#



#20

Methylene Chloride

Concen: 0.251 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Tgt Ion: 84 Resp: 267

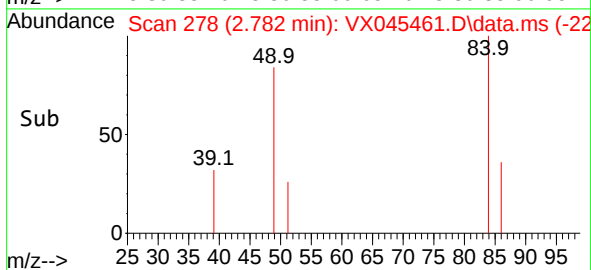
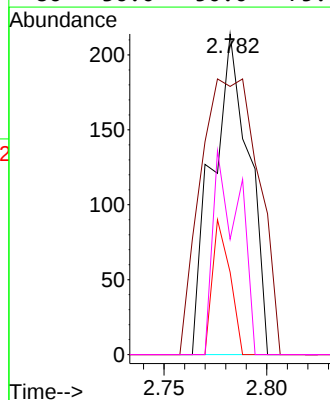
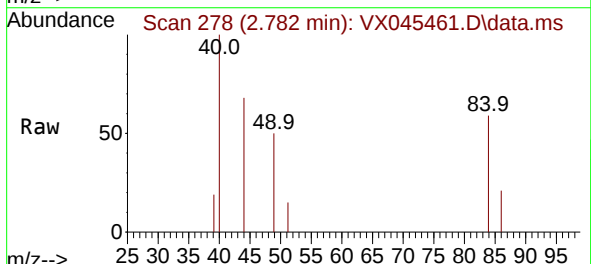
Ion Ratio Lower Upper

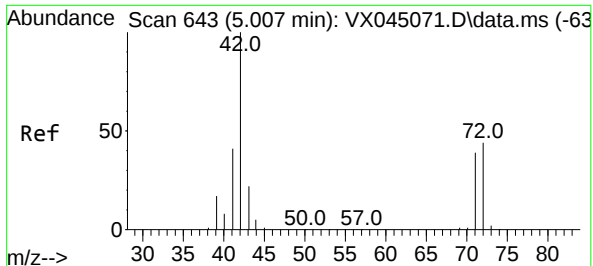
84 100

49 83.6 106.5 159.7#

51 25.7 32.1 48.1#

86 36.0 50.0 75.0#





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

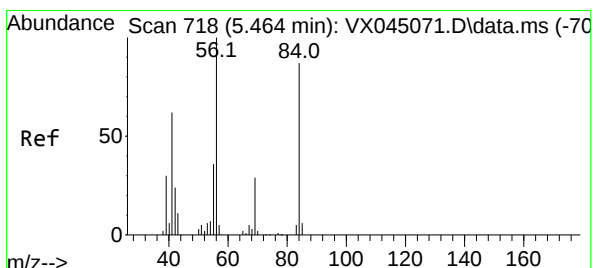
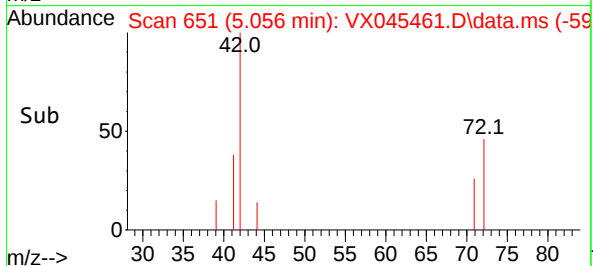
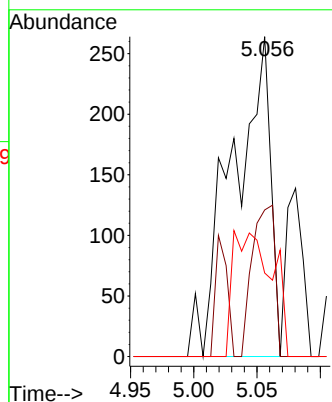
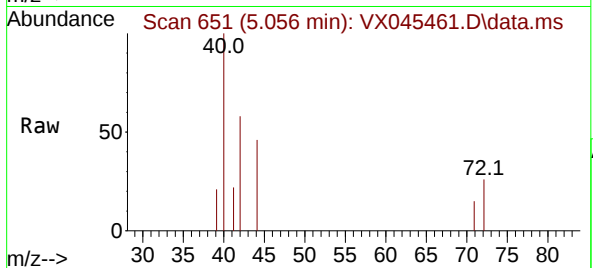
Instrument :

MSVOA_X

ClientSampleId :

RW09-MW01S-20250320

Tgt Ion:	42	Resp:	552
Ion	Ratio	Lower	Upper
42	100		
72	28.1	34.1	51.1#
71	0.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.344 ug/l

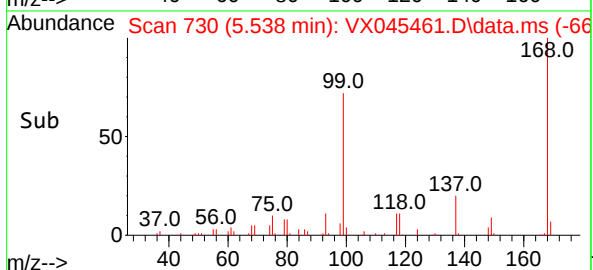
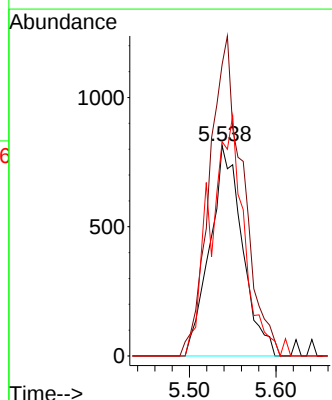
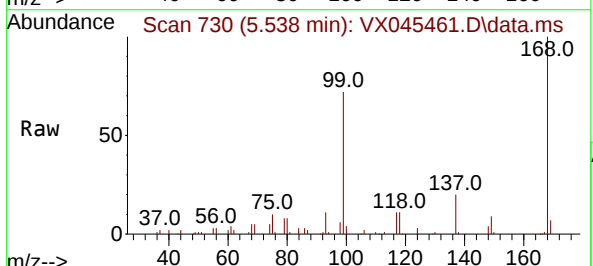
RT: 5.538 min Scan# 730

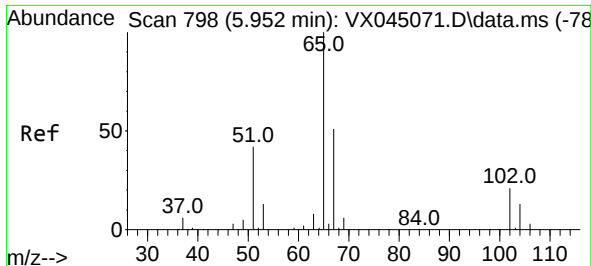
Delta R.T. 0.073 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Tgt Ion:	56	Resp:	2115
Ion	Ratio	Lower	Upper
56	100		
69	138.6	23.4	35.2#
84	101.8	69.4	104.2





#33

1,2-Dichloroethane-d4

Concen: 50.878 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

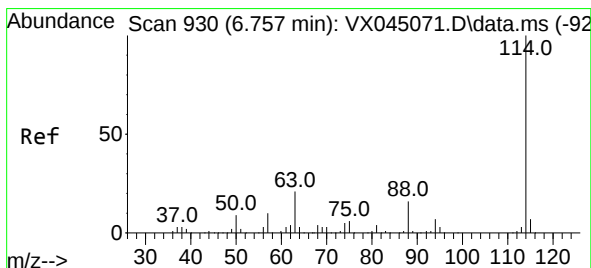
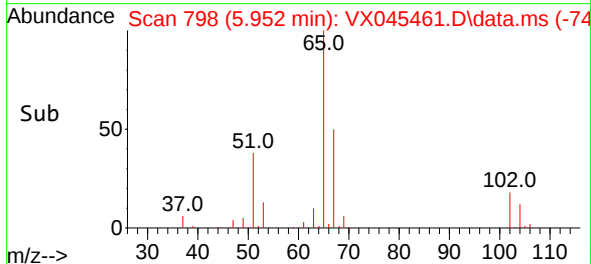
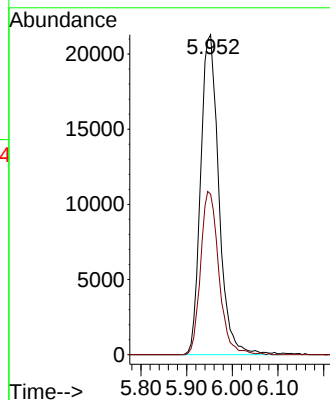
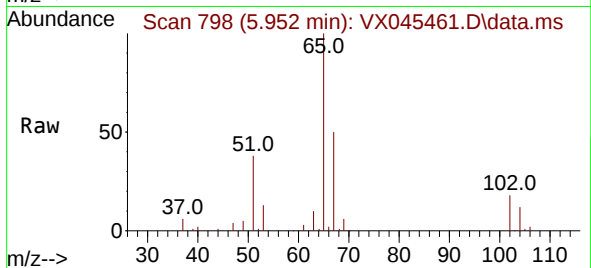
RW09-MW01S-20250320

Tgt Ion: 65 Resp: 58838

Ion Ratio Lower Upper

65 100

67 50.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

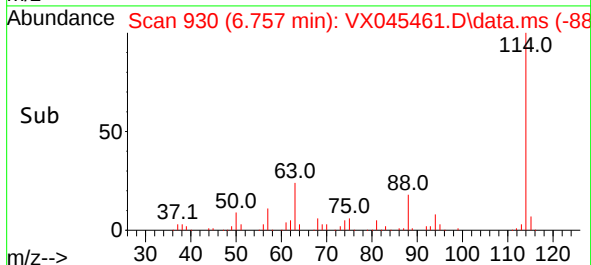
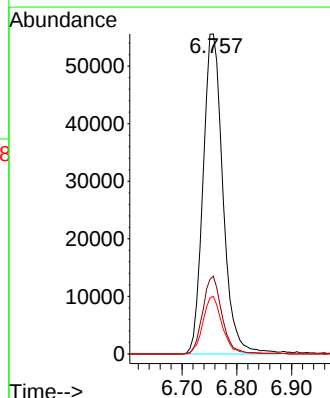
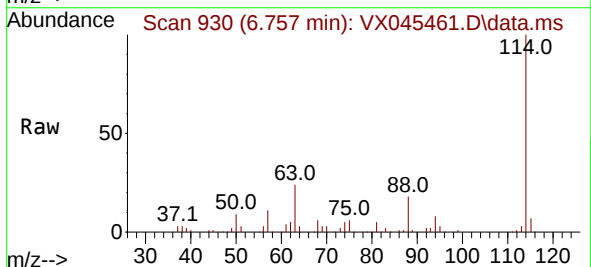
Tgt Ion: 114 Resp: 139868

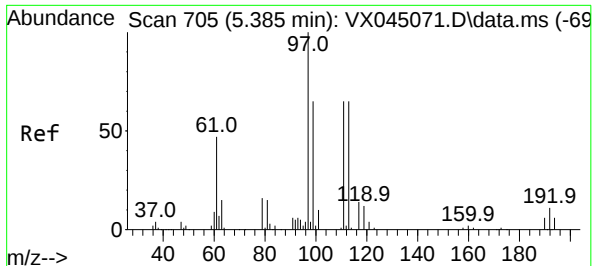
Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.8

88 18.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.382 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.012 min

Lab File: VX045461.D

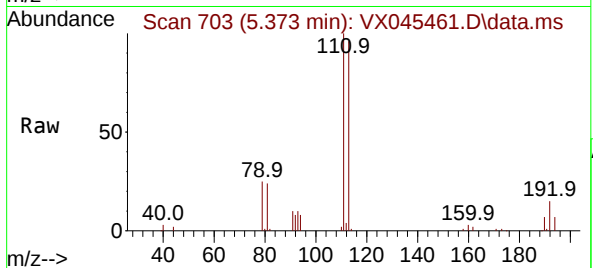
Acq: 26 Mar 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

RW09-MW01S-20250320



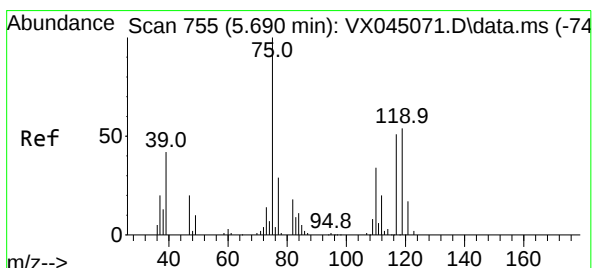
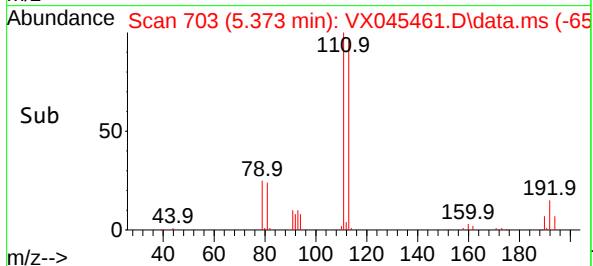
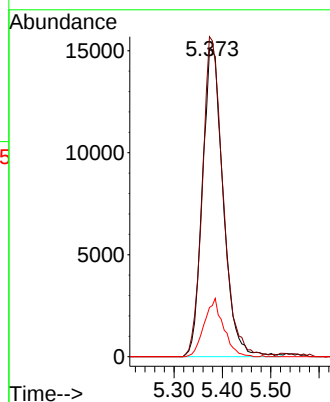
Tgt Ion:113 Resp: 45250

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.505 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.152 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

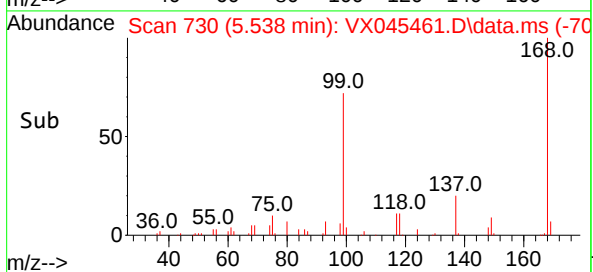
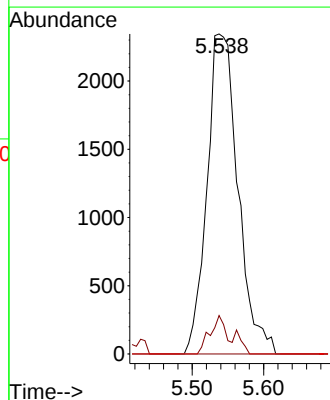
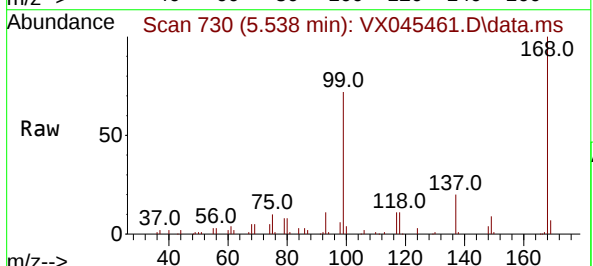
Tgt Ion: 75 Resp: 7061

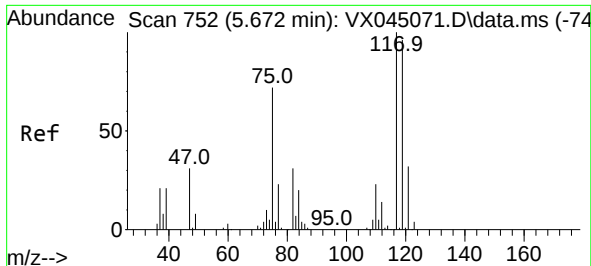
Ion Ratio Lower Upper

75 100

110 6.3 16.9 50.6#

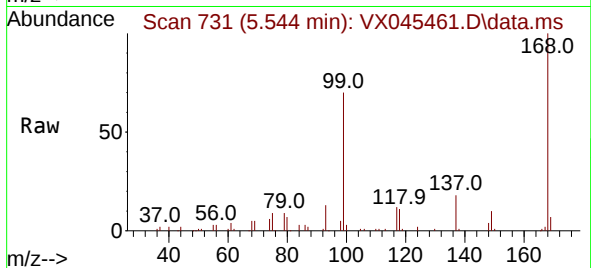
77 0.0 24.5 36.7#



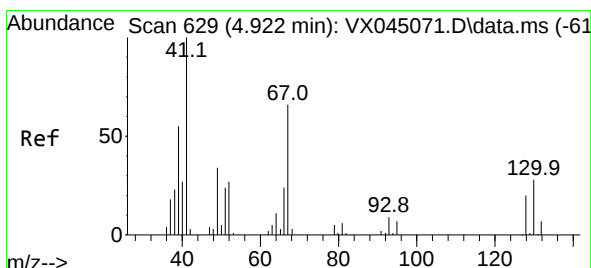
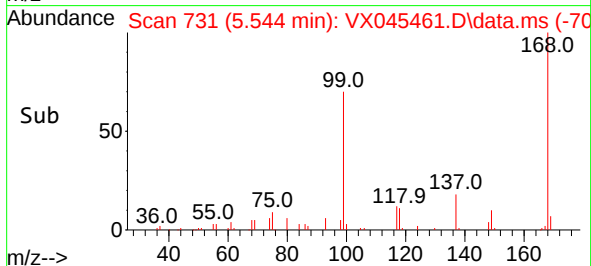
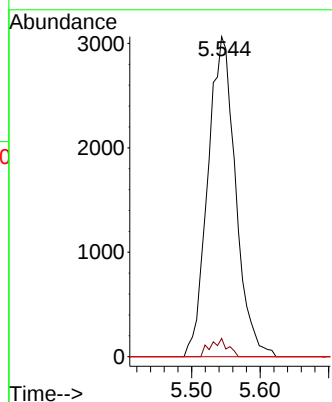


#38
Carbon Tetrachloride
Concen: 6.629 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
RW09-MW01S-20250320

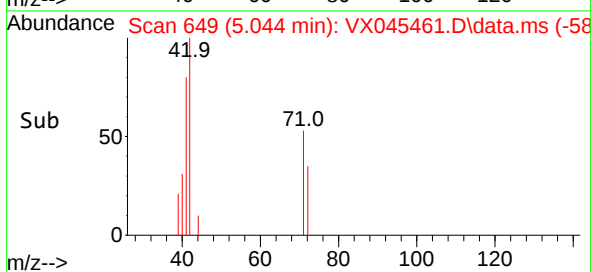
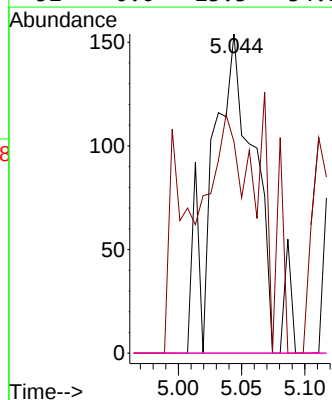
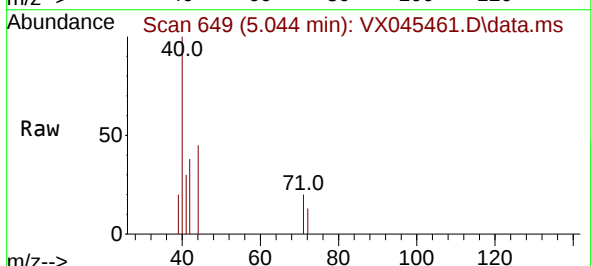


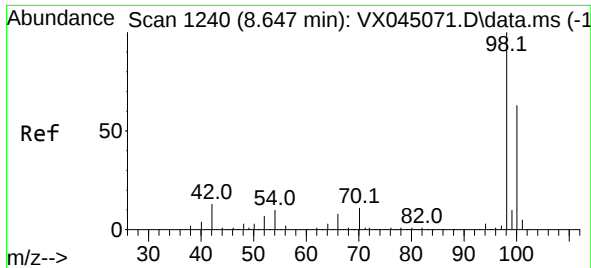
Tgt Ion:117 Resp: 8632
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.393 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

Tgt Ion: 41 Resp: 351
Ion Ratio Lower Upper
41 100
39 17.4 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

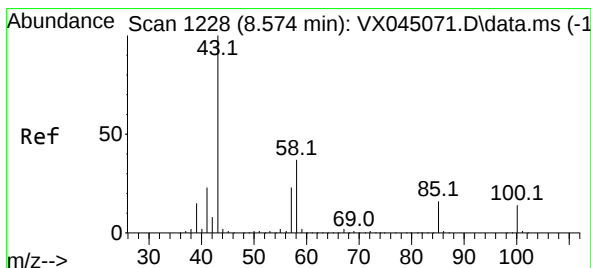
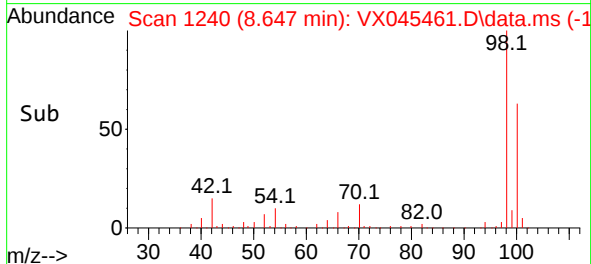
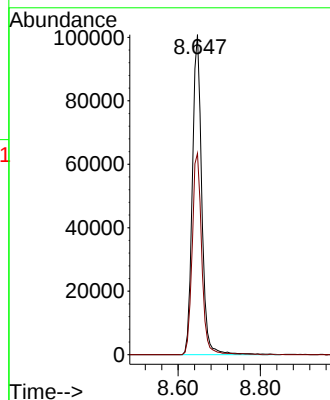
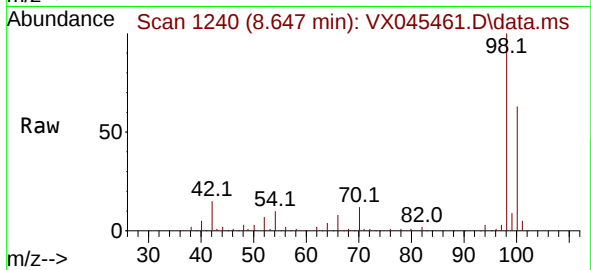




#50
Toluene-d8
Concen: 47.069 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

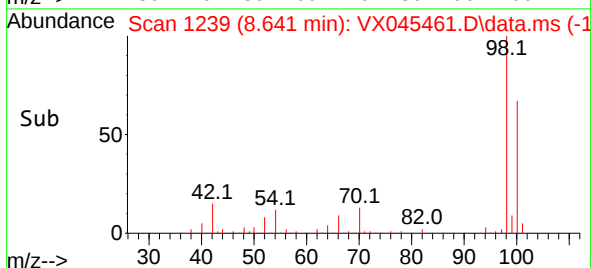
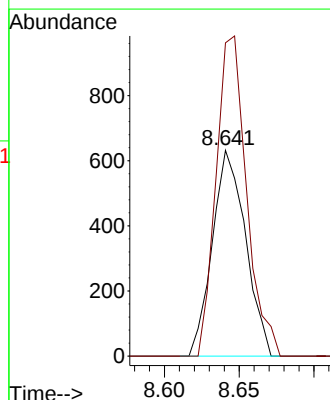
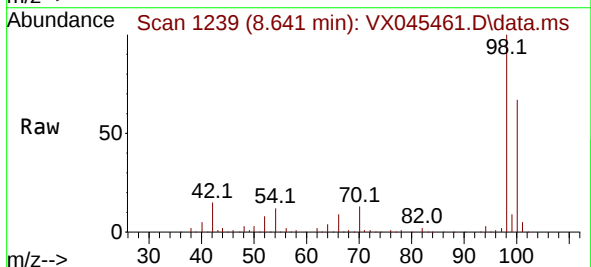
Instrument :
MSVOA_X
ClientSampleId :
RW09-MW01S-20250320

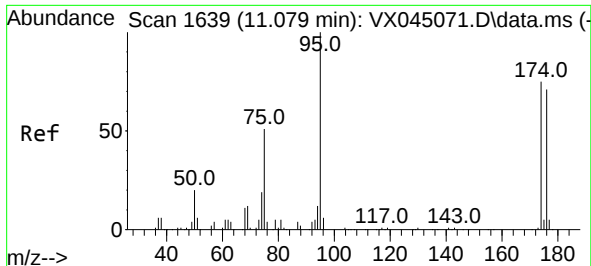
Tgt Ion: 98 Resp: 159593
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045461.D
Acq: 26 Mar 2025 11:46

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 143.0 29.2 43.8#





#62

4-Bromofluorobenzene

Concen: 49.323 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

RW09-MW01S-20250320

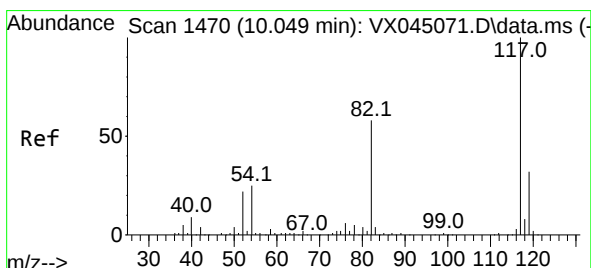
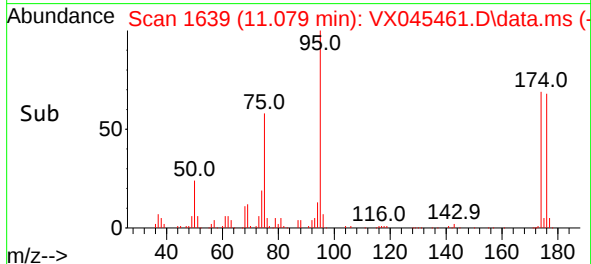
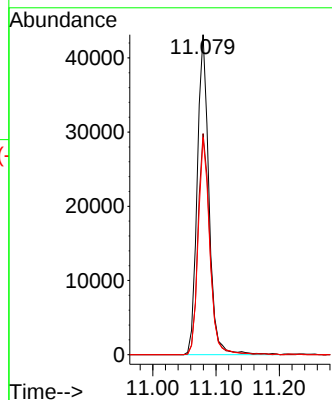
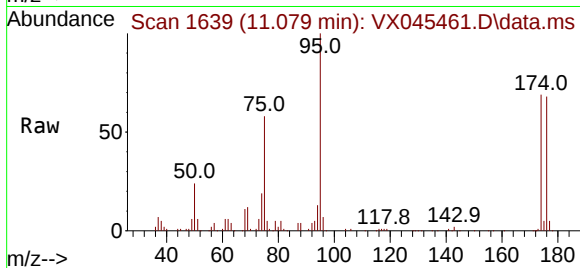
Tgt Ion: 95 Resp: 55417

Ion Ratio Lower Upper

95 100

174 69.9 0.0 148.2

176 67.3 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

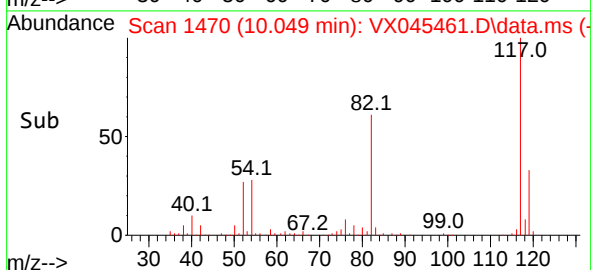
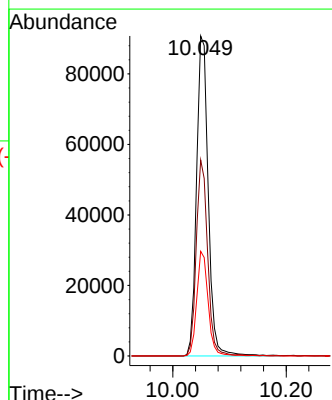
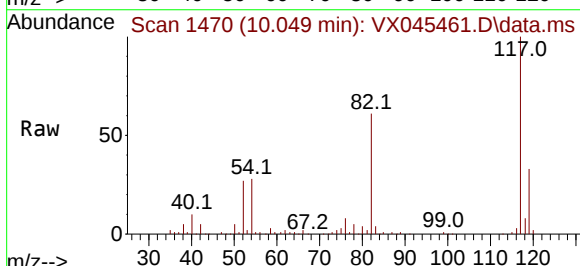
Tgt Ion: 117 Resp: 129727

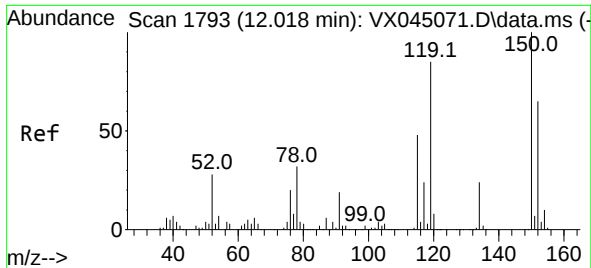
Ion Ratio Lower Upper

117 100

82 61.2 46.3 69.5

119 32.7 25.7 38.5

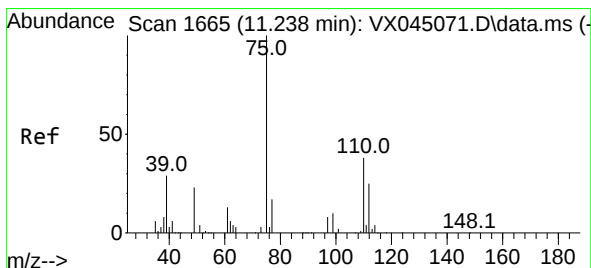
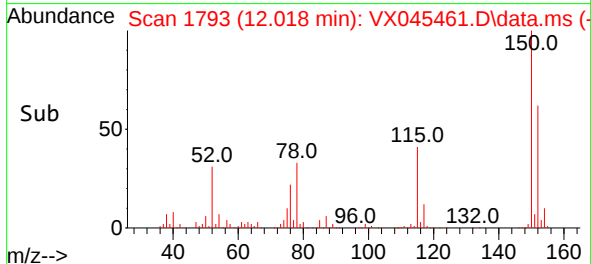
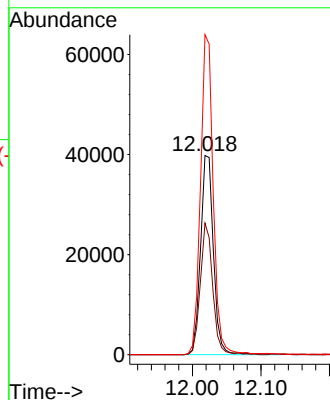
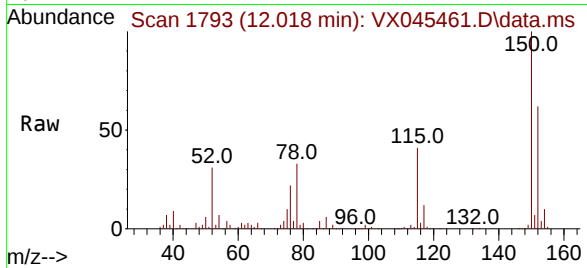




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045461.D
 Acq: 26 Mar 2025 11:46

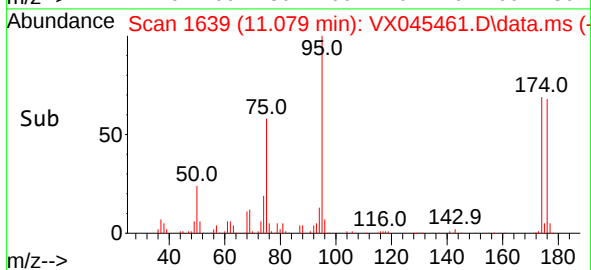
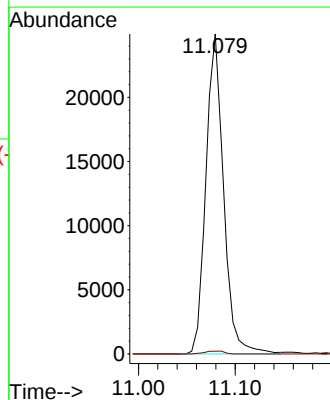
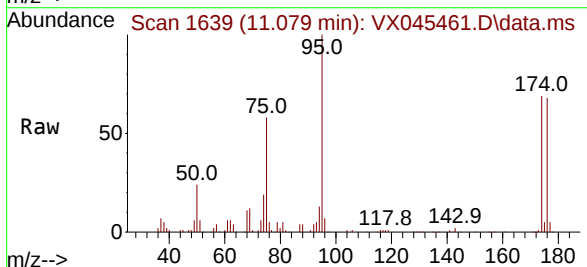
Instrument :
 MSVOA_X
 ClientSampleId :
 RW09-MW01S-20250320

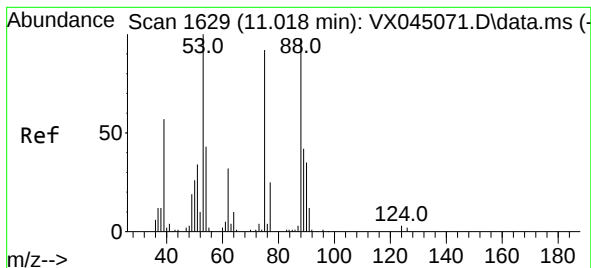
Tgt Ion:152 Resp: 52360
 Ion Ratio Lower Upper
 152 100
 115 63.6 44.2 132.6
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.119 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045461.D
 Acq: 26 Mar 2025 11:46

Tgt Ion: 75 Resp: 31831
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#

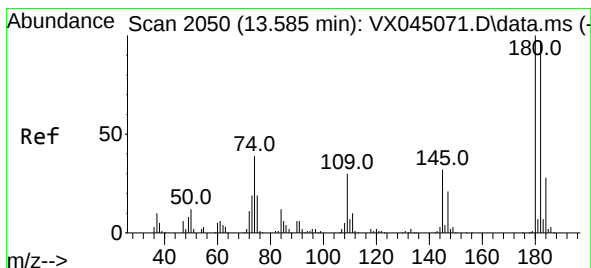
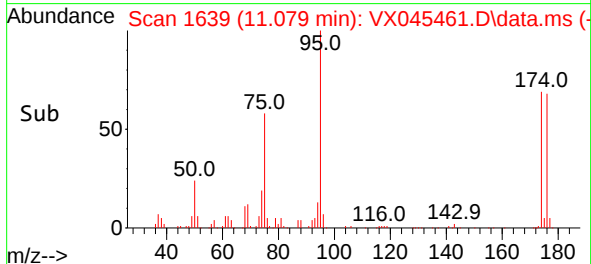
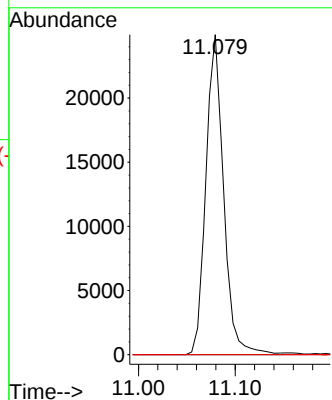
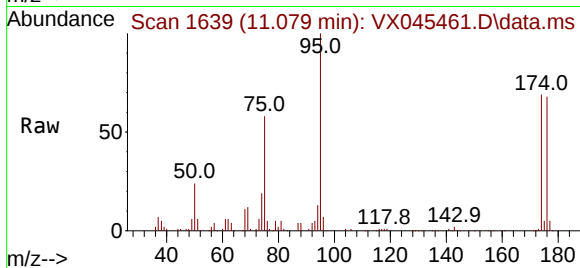




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.385 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045461.D
 Acq: 26 Mar 2025 11:46

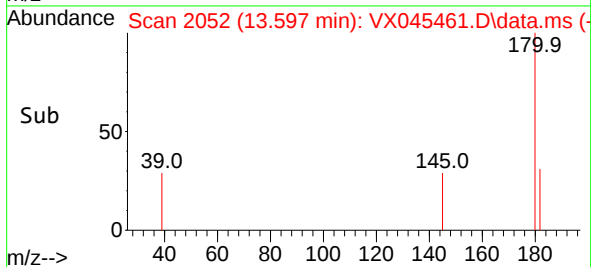
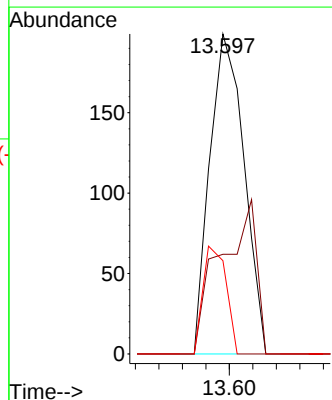
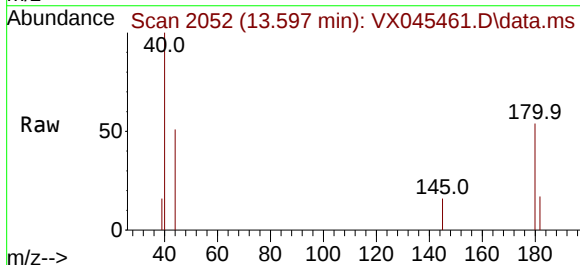
Instrument :
 MSVOA_X
 ClientSampleId :
 RW09-MW01S-20250320

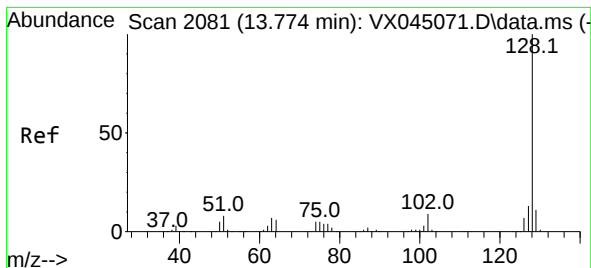
Tgt Ion: 75 Resp: 31831
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045461.D
 Acq: 26 Mar 2025 11:46

Tgt Ion: 180 Resp: 202
 Ion Ratio Lower Upper
 180 100
 182 50.5 47.3 141.9
 145 22.8 16.3 48.9





#95

Naphthalene

Concen: 0.319 ug/l

RT: 13.780 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

RW09-MW01S-20250320

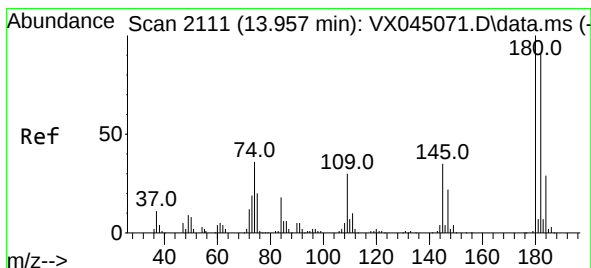
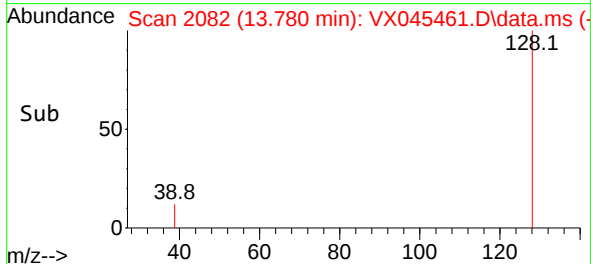
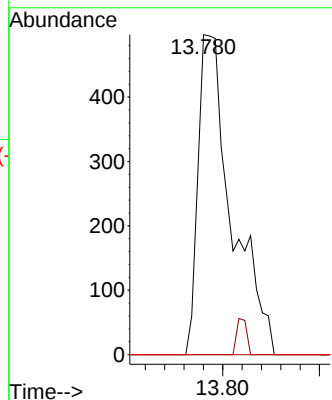
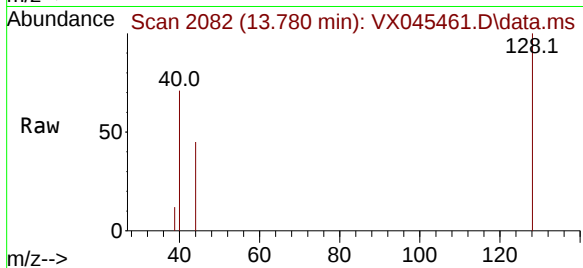
Tgt Ion:128 Resp: 1205

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.221 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045461.D

Acq: 26 Mar 2025 11:46

Tgt Ion:180 Resp: 229

Ion Ratio Lower Upper

180 100

182 83.8 47.5 142.6

145 10.0 17.0 50.9#

