

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047645.D
 Acq On : 18 Sep 2025 16:45
 Operator : JC/MD
 Sample : Q3095-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20250910

Quant Time: Sep 22 03:39:36 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)

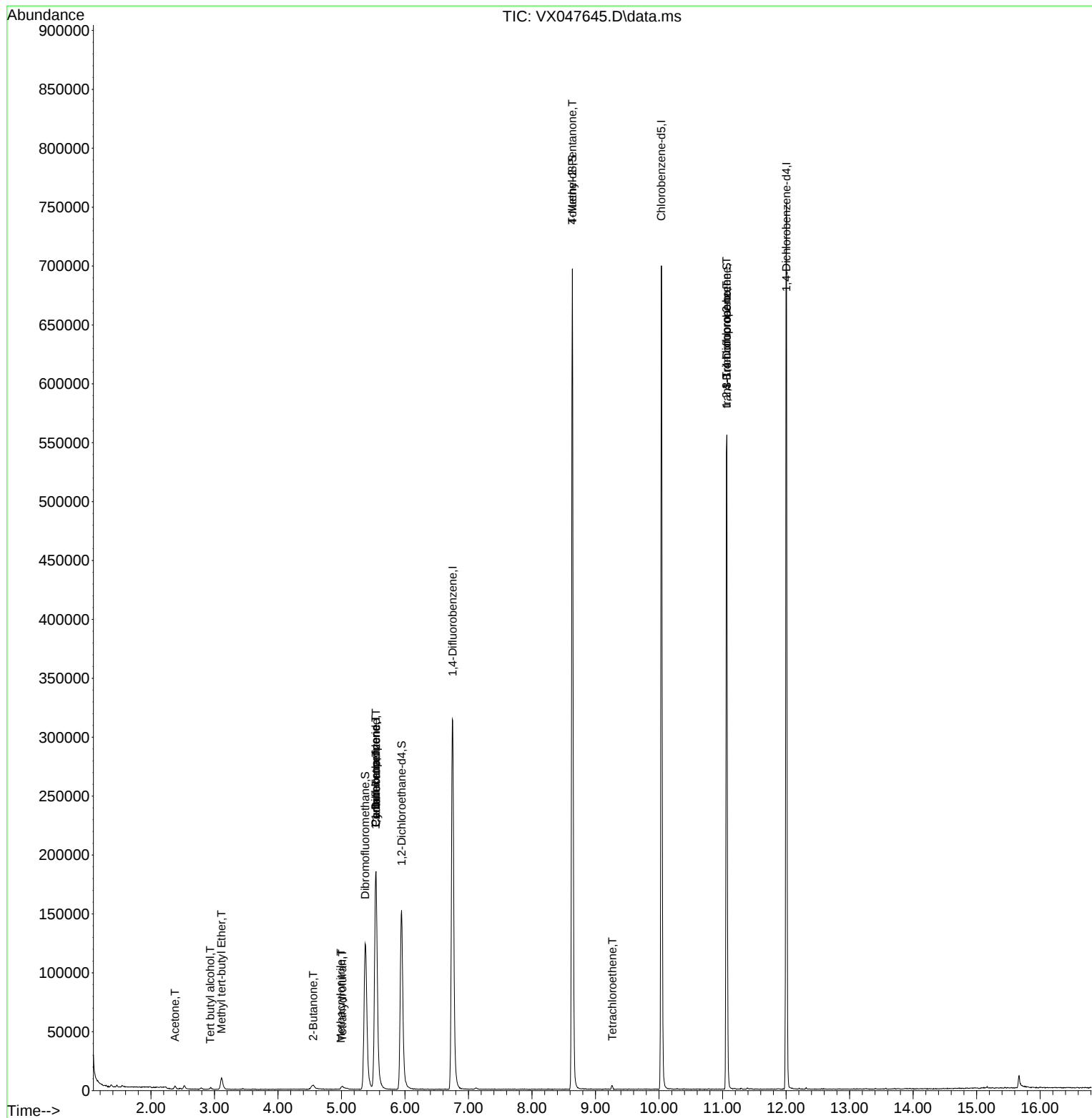
Internal Standards						
1) Pentafluorobenzene	5.544	168	186001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	348431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	318544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	165011	55.734	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.460%	
35) Dibromofluoromethane	5.373	113	120040	51.370	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.740%	
50) Toluene-d8	8.635	98	421961	52.186	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	11.067	95	164626	53.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	372	1.128	ug/l #	72
16) Acetone	2.380	43	3198	2.484	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	11733	1.454	ug/l #	85
25) 2-Butanone	4.556	43	1924	1.198	ug/l #	80
29) Tetrahydrofuran	5.013	42	2826	2.926	ug/l #	81
31) Cyclohexane	5.544	56	4154	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	15876	4.649	ug/l #	52
38) Carbon Tetrachloride	5.544	117	20104	5.419	ug/l #	17
41) Methacrylonitrile	4.989	41	581	0.308	ug/l #	47
51) 4-Methyl-2-Pentanone	8.635	43	2278	0.685	ug/l #	1
64) Tetrachloroethene	9.263	164	537	0.259	ug/l #	75
76) 1,2,3-Trichloropropane	11.061	75	84240	27.012	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.061	75	84240	68.883	ug/l #	8

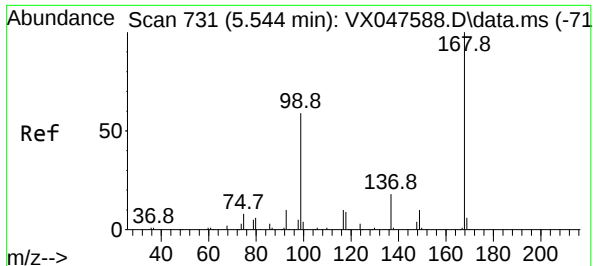
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
Data File : VX047645.D
Acq On : 18 Sep 2025 16:45
Operator : JC/MD
Sample : Q3095-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

Quant Time: Sep 22 03:39:36 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

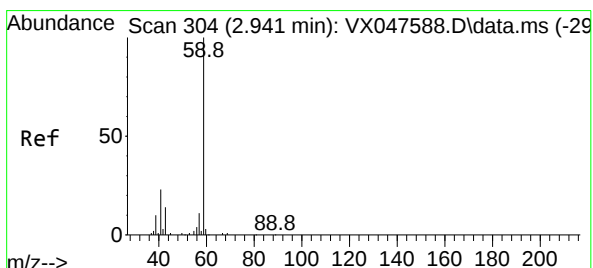
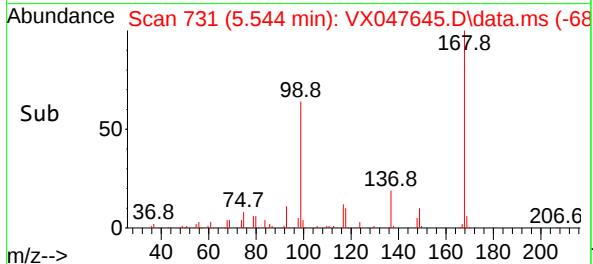
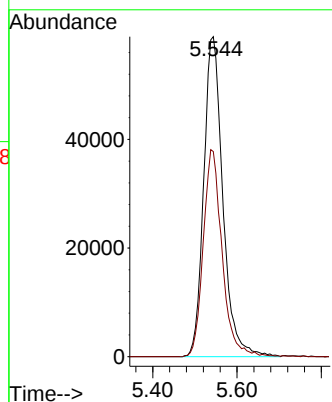
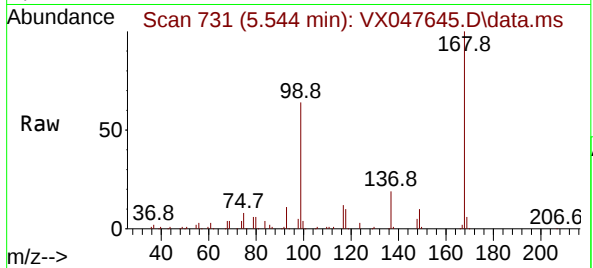




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

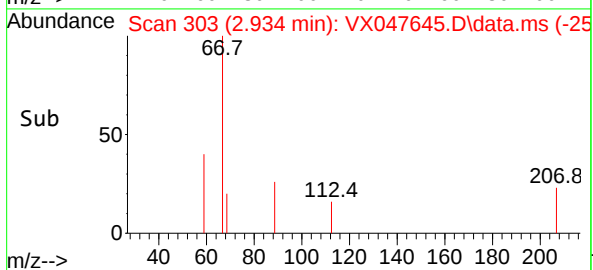
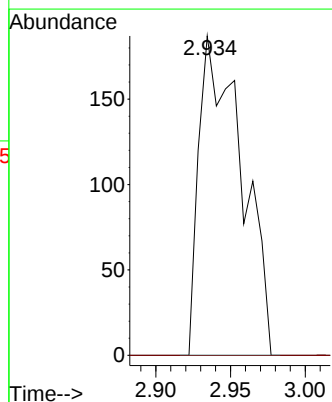
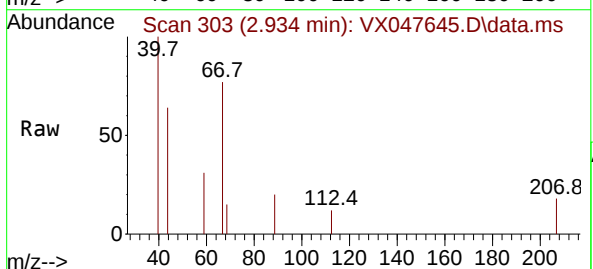
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

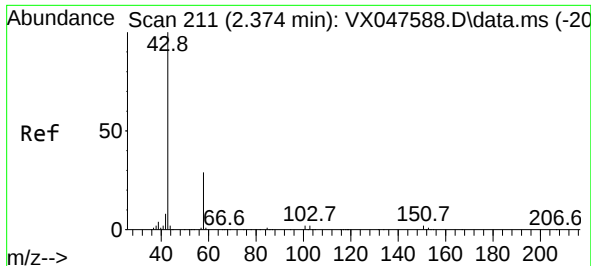
Tgt Ion:168 Resp: 186001
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.128 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 59 Resp: 372
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

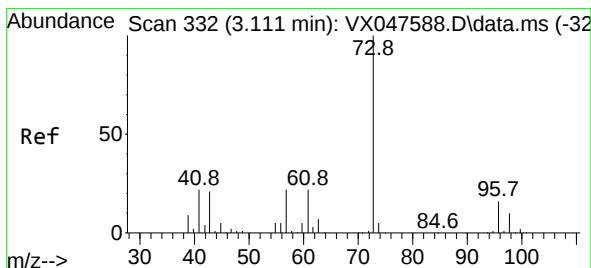
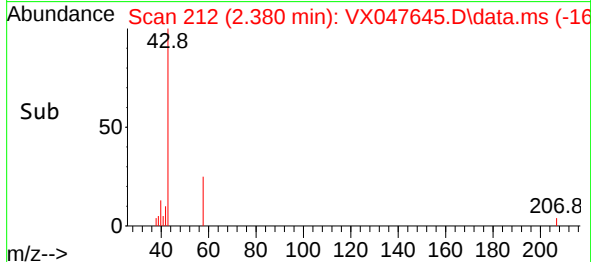
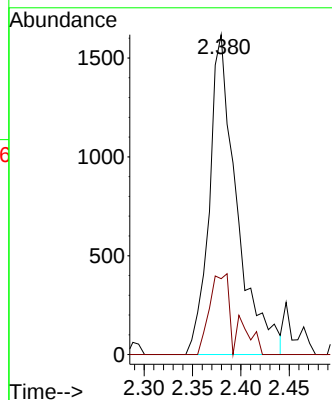
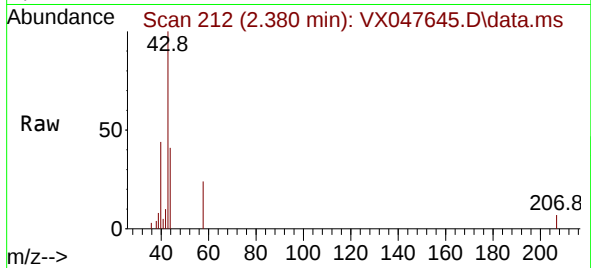




#16
Acetone
Concen: 2.484 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

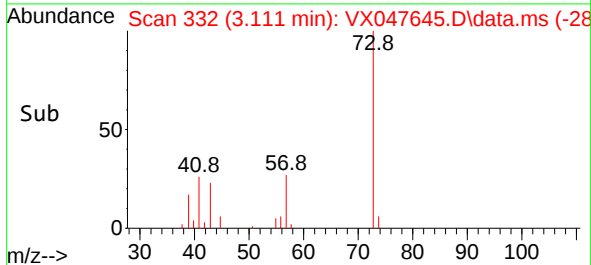
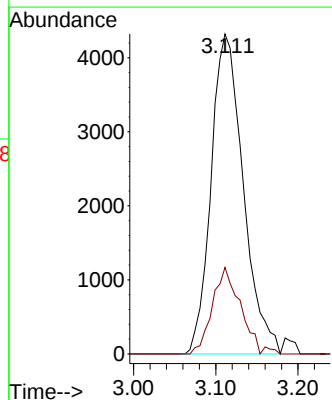
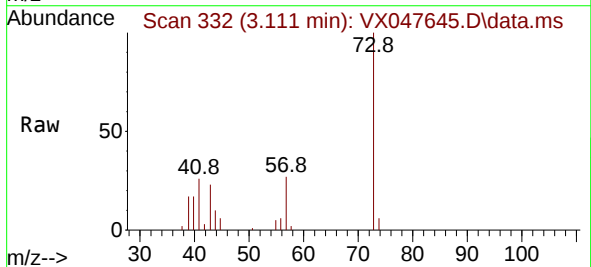
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

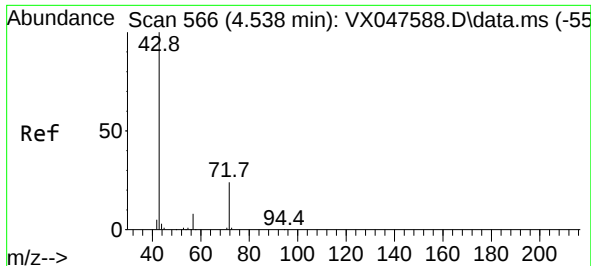
Tgt Ion: 43 Resp: 3198
Ion Ratio Lower Upper
43 100
58 23.7 23.4 35.0



#19
Methyl tert-butyl Ether
Concen: 1.454 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 73 Resp: 11733
Ion Ratio Lower Upper
73 100
57 28.7 17.4 26.2#





#25

2-Butanone

Concen: 1.198 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

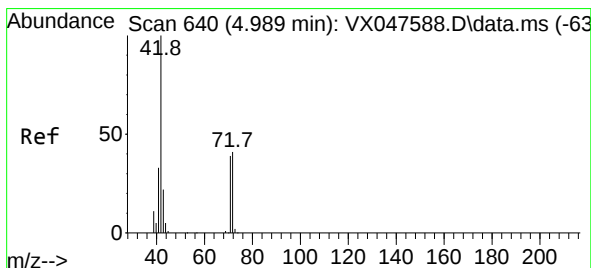
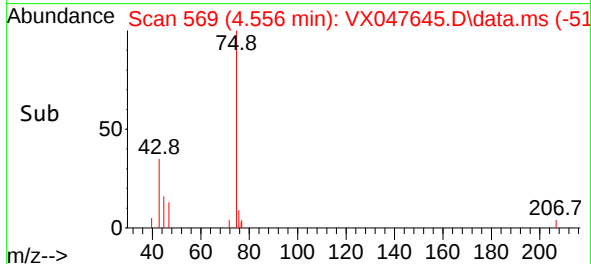
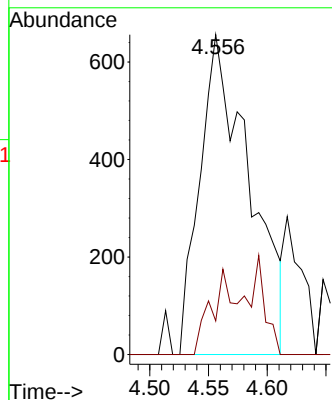
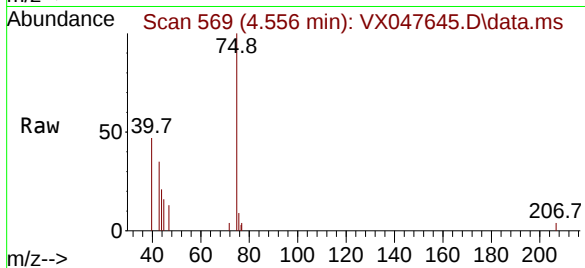
MW178S-20250910

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

72 14.9 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.926 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

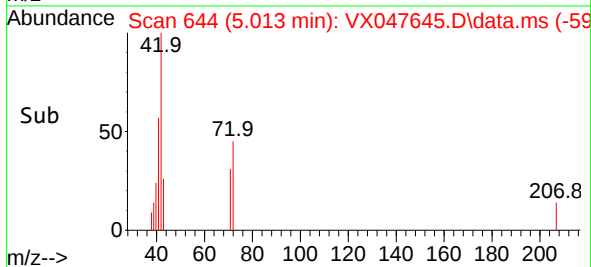
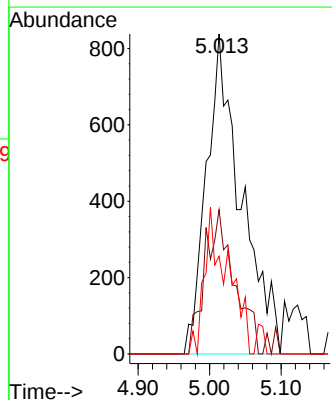
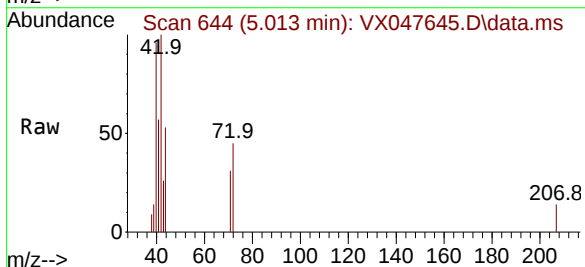
Tgt Ion: 42 Resp: 2826

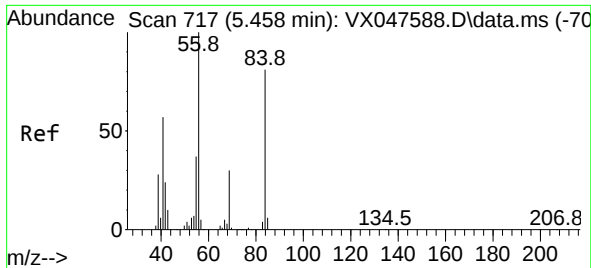
Ion Ratio Lower Upper

42 100

72 38.4 34.2 51.2

71 19.6 31.9 47.9#

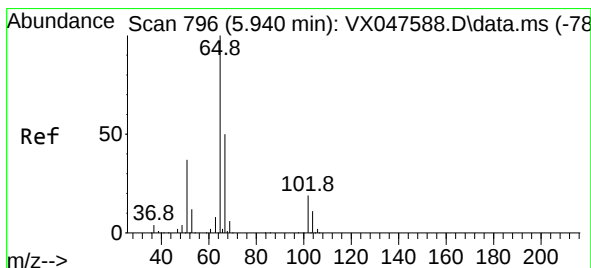
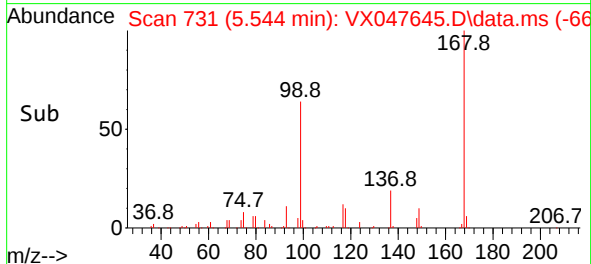
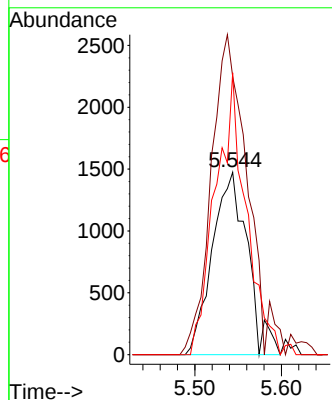
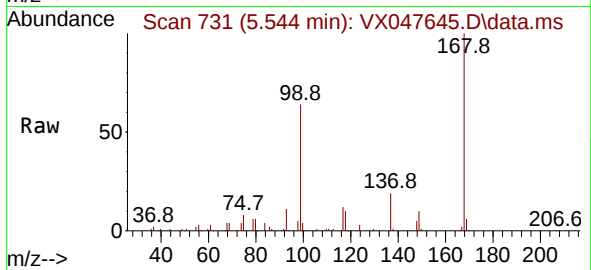




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

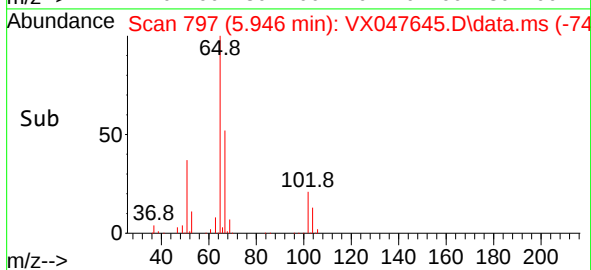
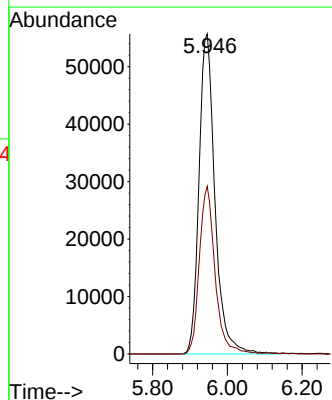
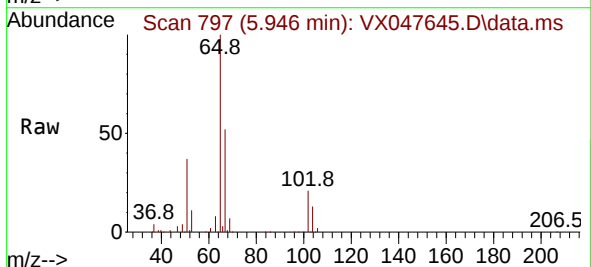
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

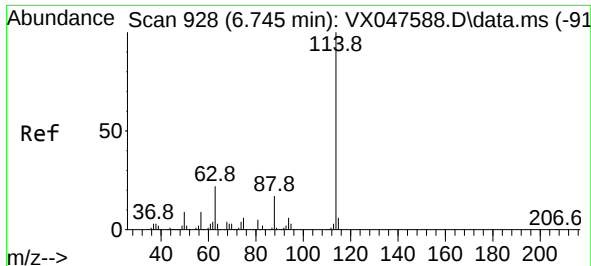
Tgt Ion: 56 Resp: 4154
Ion Ratio Lower Upper
56 100
69 152.4 23.8 35.8#
84 154.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 55.734 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 65 Resp: 165011
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0

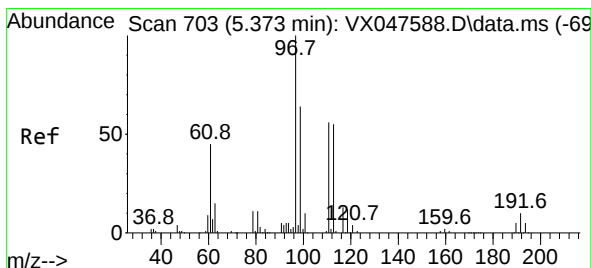
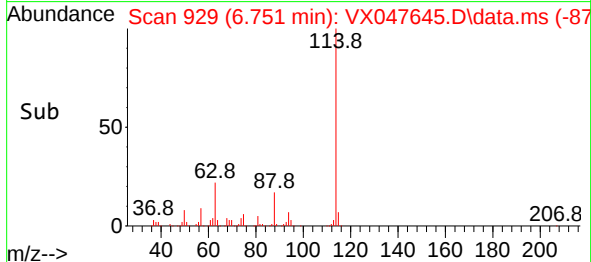
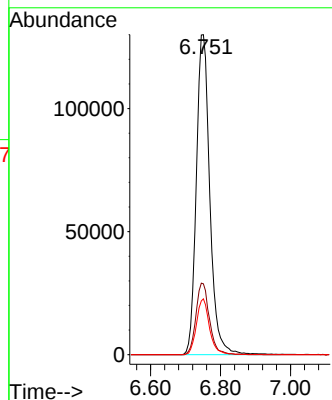
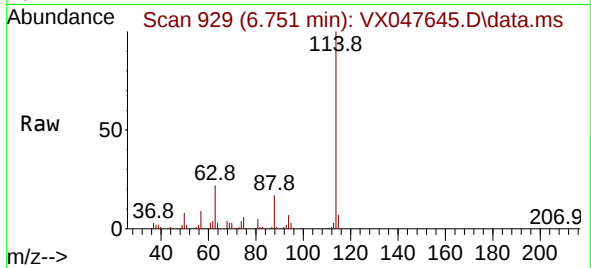




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

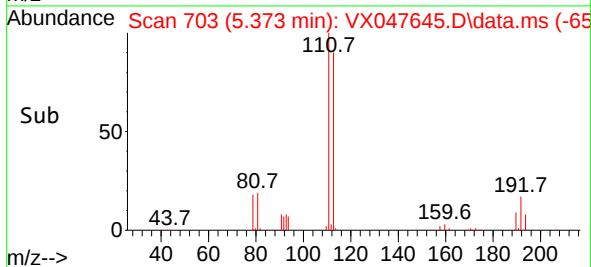
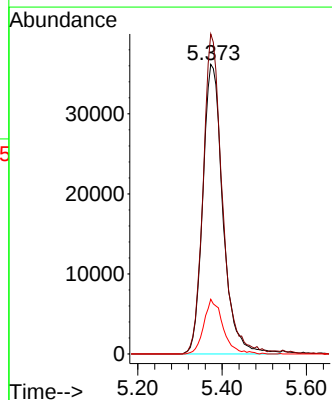
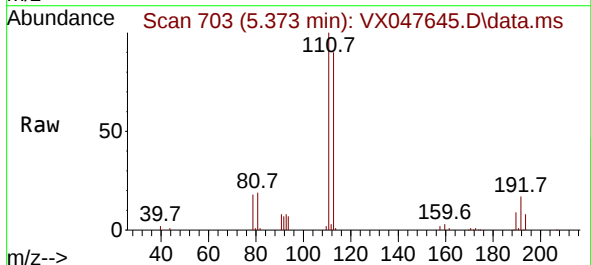
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

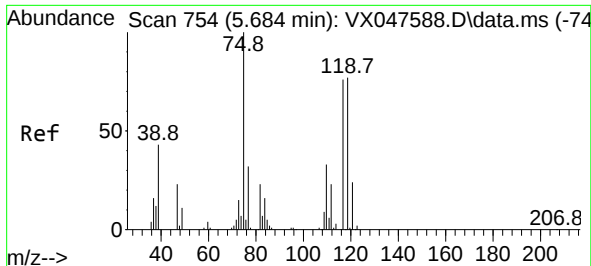
Tgt Ion:114 Resp: 348431
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 17.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.370 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:113 Resp: 120040
Ion Ratio Lower Upper
113 100
111 105.2 80.9 121.3
192 18.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.649 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047645.D

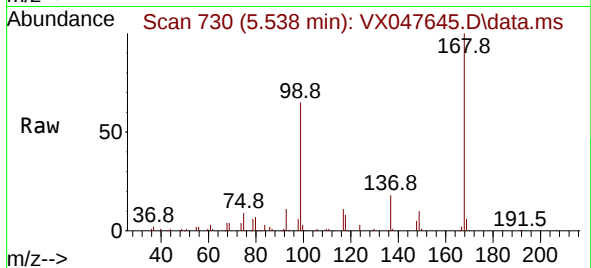
Acq: 18 Sep 2025 16:45

Instrument :

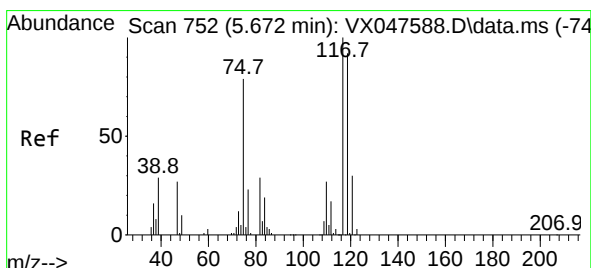
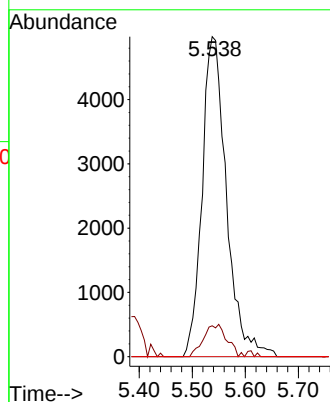
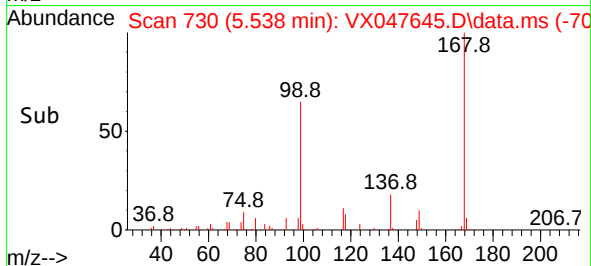
MSVOA_X

ClientSampleId :

MW178S-20250910



Tgt Ion:	75	Resp:	15876
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	16.7	50.1#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 5.419 ug/l

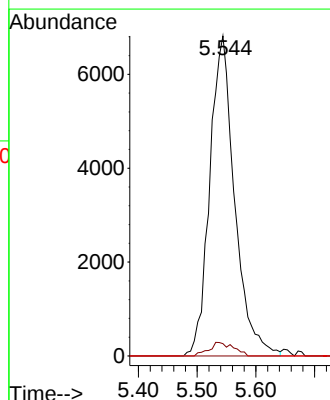
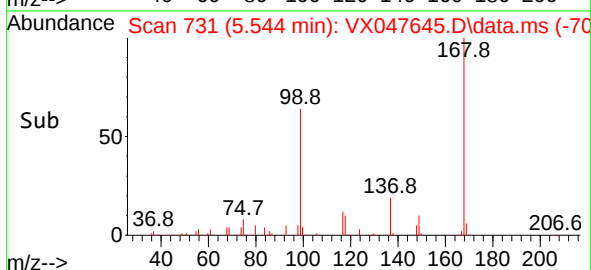
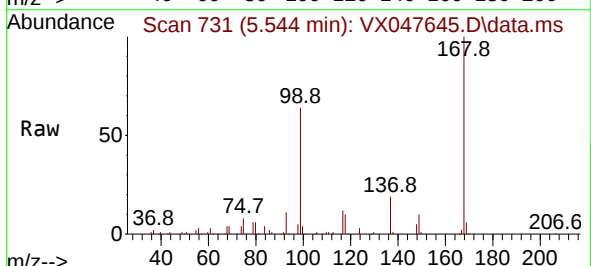
RT: 5.544 min Scan# 731

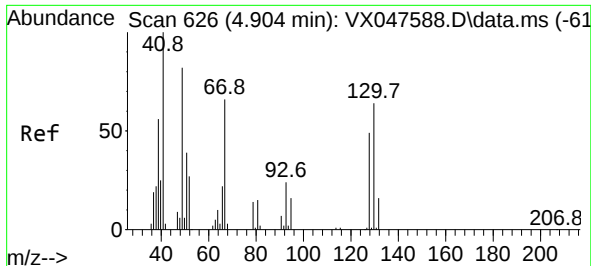
Delta R.T. -0.128 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

Tgt Ion:	117	Resp:	20104
Ion Ratio	100	Lower	Upper
117	100		
119	3.8	73.4	110.2#
121	0.0	23.8	35.6#

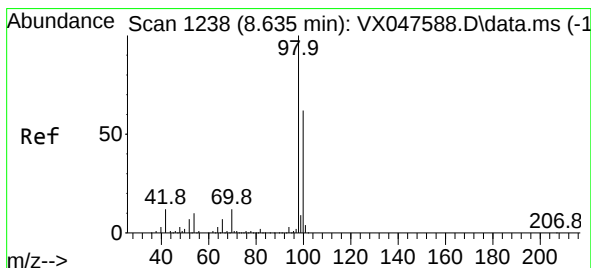
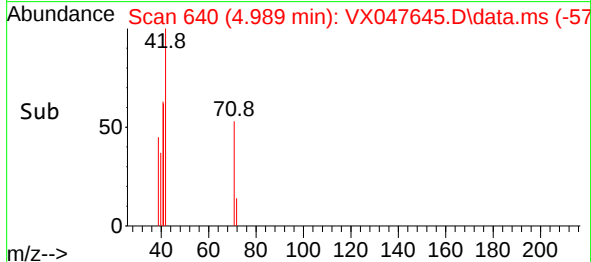
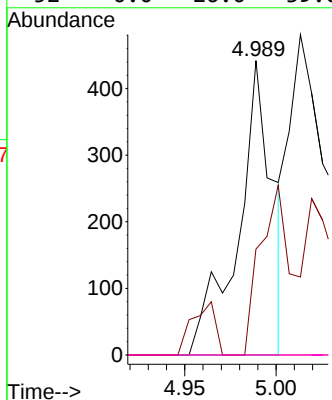
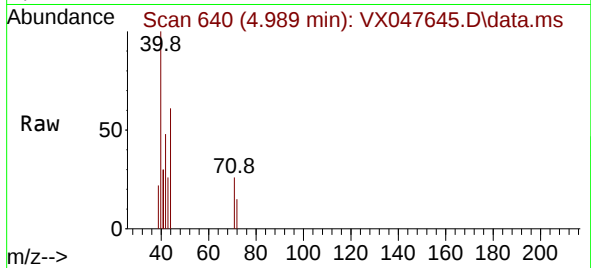




#41
Methacrylonitrile
Concen: 0.308 ug/l
RT: 4.989 min Scan# 640
Delta R.T. 0.085 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

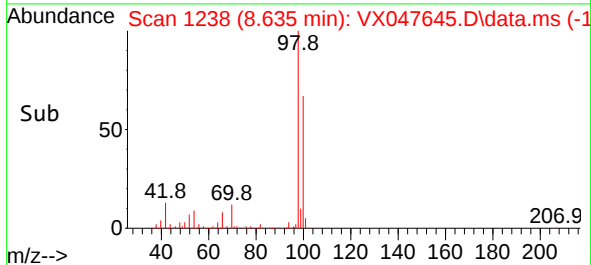
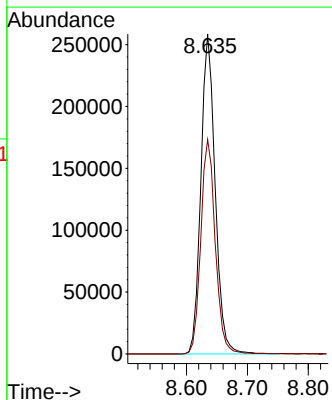
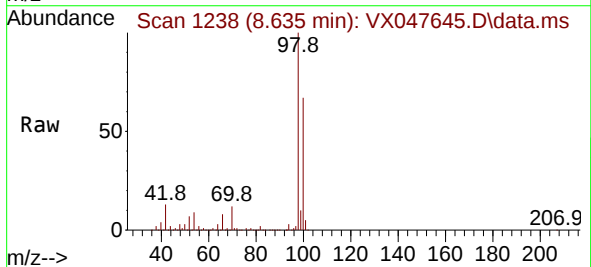
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

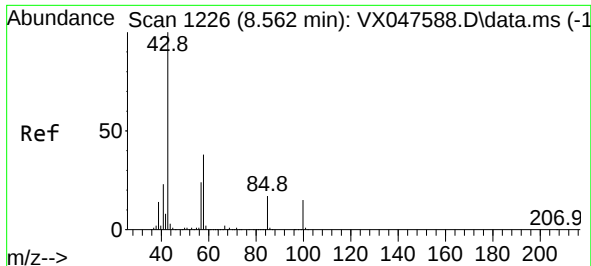
Tgt Ion:	41	Resp:	581
Ion	Ratio	Lower	Upper
41	100		
39	52.3	43.3	64.9
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#50
Toluene-d8
Concen: 52.186 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion:	98	Resp:	421961
Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.0	79.4

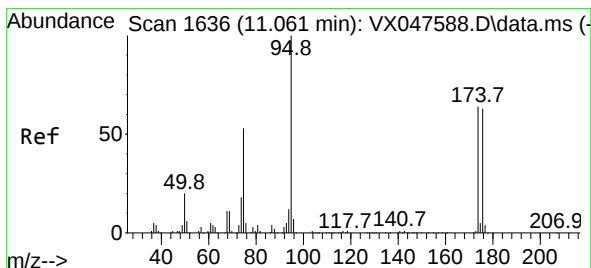
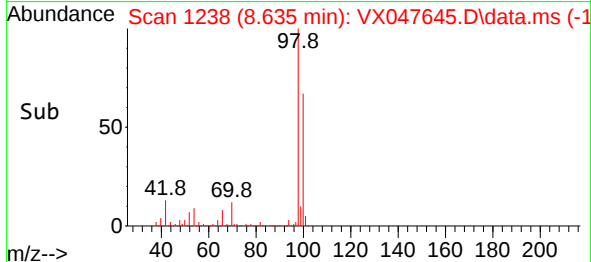
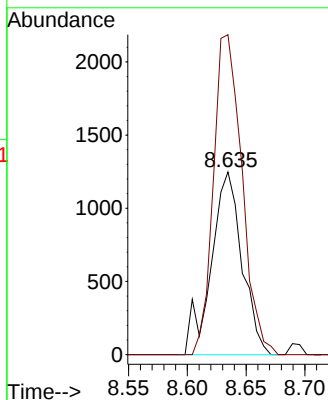
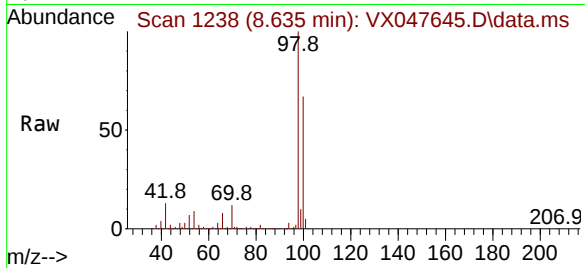




#51
4-Methyl-2-Pentanone
Concen: 0.685 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

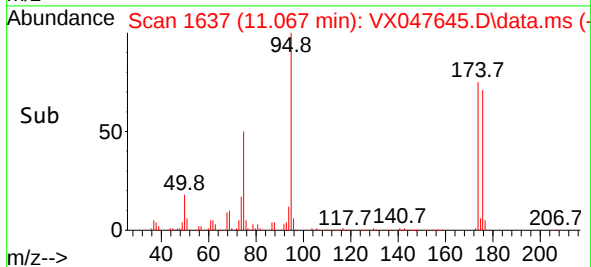
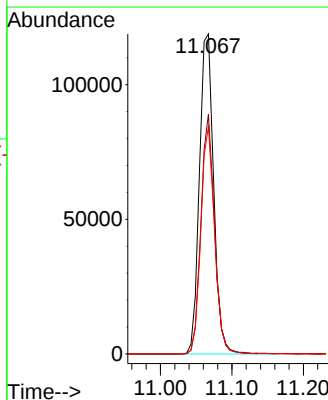
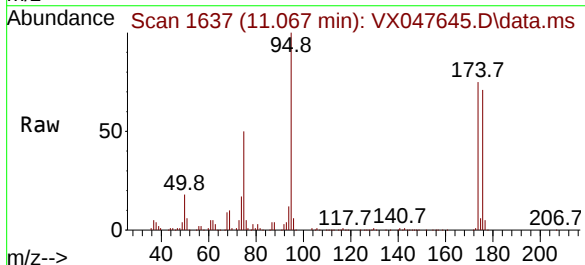
Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250910

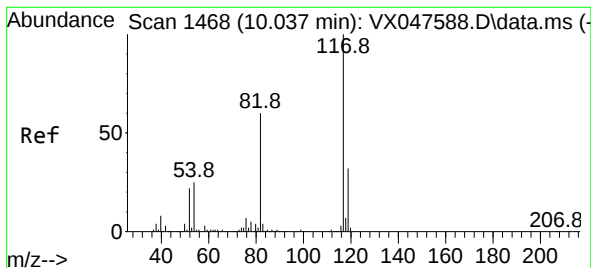
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
58 162.1 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 53.647 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047645.D
Acq: 18 Sep 2025 16:45

Tgt Ion: 95 Resp: 164626
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.6
176 68.4 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: VX047645.D

Acq: 18 Sep 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW178S-20250910

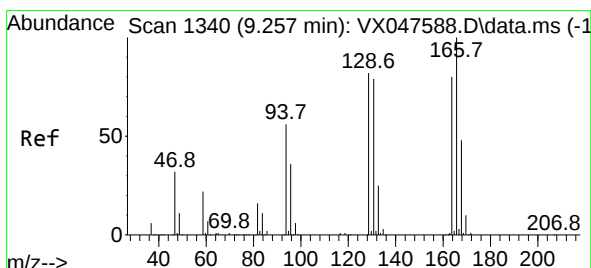
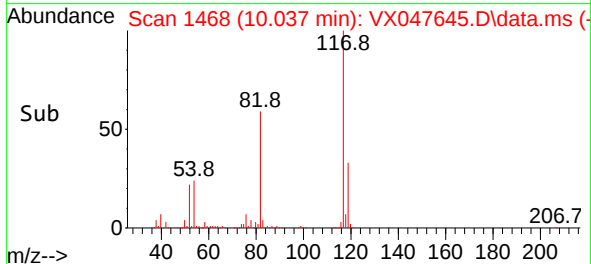
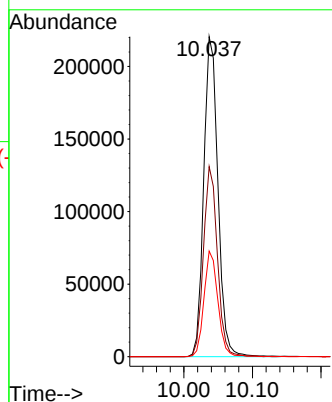
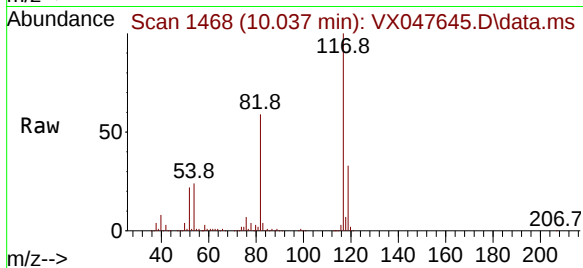
Tgt Ion:117 Resp: 318544

Ion Ratio Lower Upper

117 100

82 59.4 47.8 71.6

119 33.0 25.2 37.8



#64

Tetrachloroethene

Concen: 0.259 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047645.D

Acq: 18 Sep 2025 16:45

Tgt Ion:164 Resp: 537

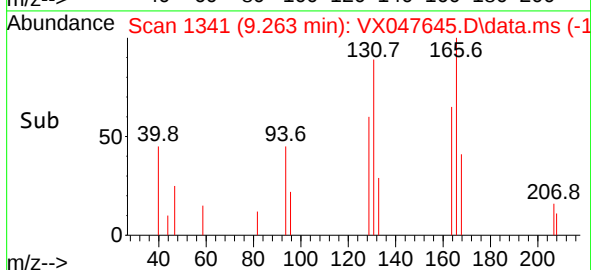
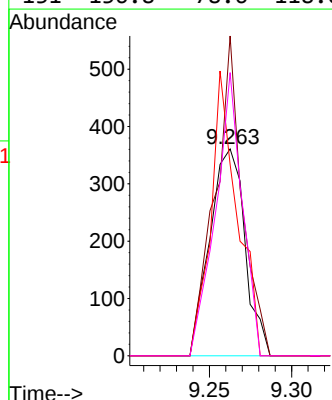
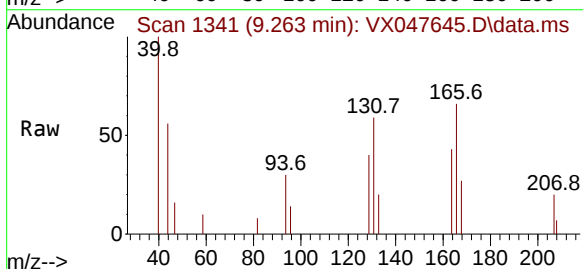
Ion Ratio Lower Upper

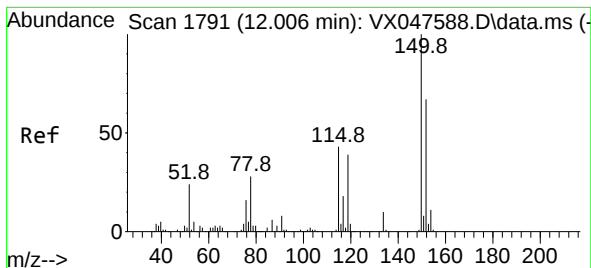
164 100

166 154.6 100.2 150.2#

129 92.5 81.8 122.6

131 136.8 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: VX047645.D

Acq: 18 Sep 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW178S-20250910

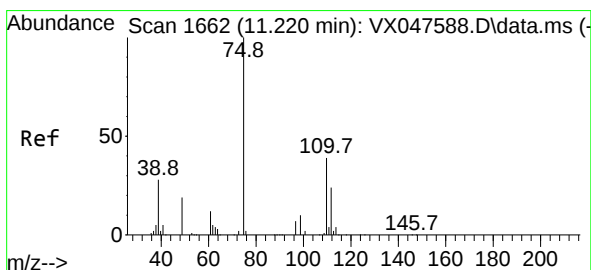
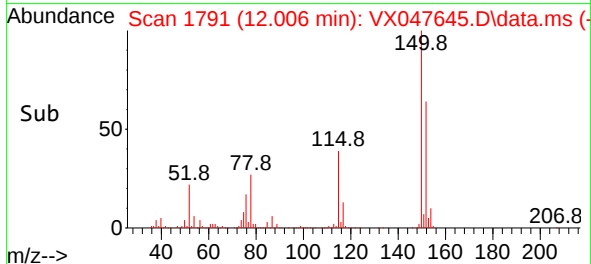
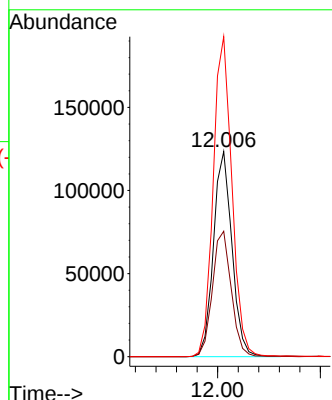
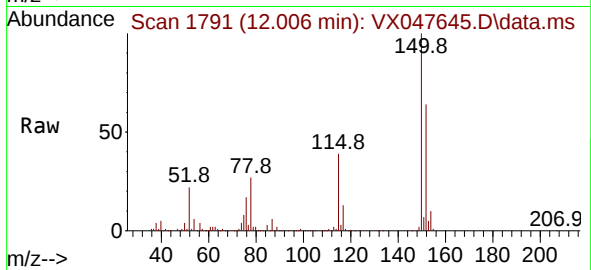
Tgt Ion:152 Resp: 154032

Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

150 158.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 27.012 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047645.D

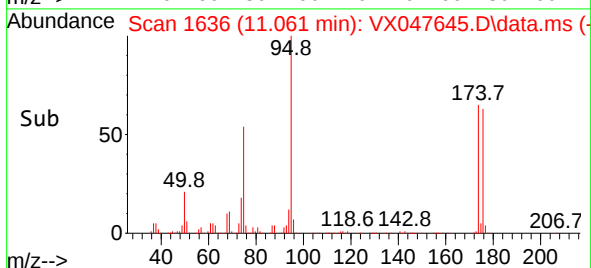
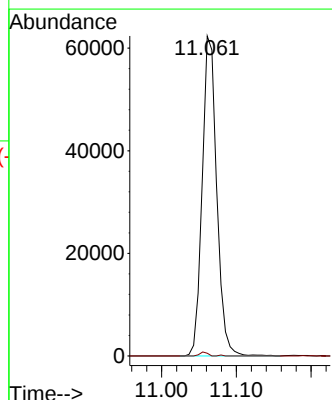
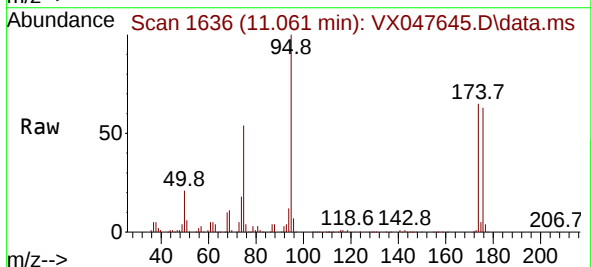
Acq: 18 Sep 2025 16:45

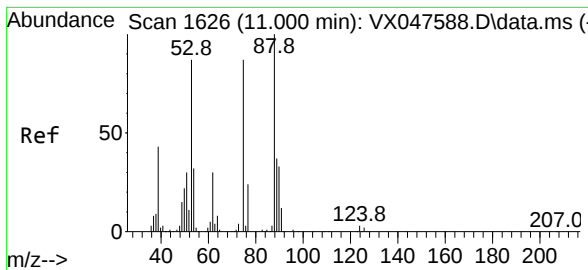
Tgt Ion: 75 Resp: 84240

Ion Ratio Lower Upper

75 100

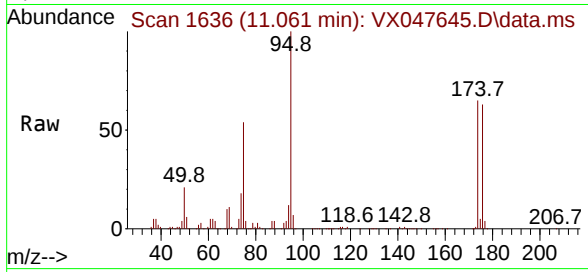
77 0.7 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.883 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047645.D
 Acq: 18 Sep 2025 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178S-20250910



Tgt Ion: 75 Resp: 84240
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

