

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046663.D
 Acq On : 12 Jun 2025 14:53
 Operator : JC/MD
 Sample : Q2249-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-060525

Quant Time: Jun 13 01:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

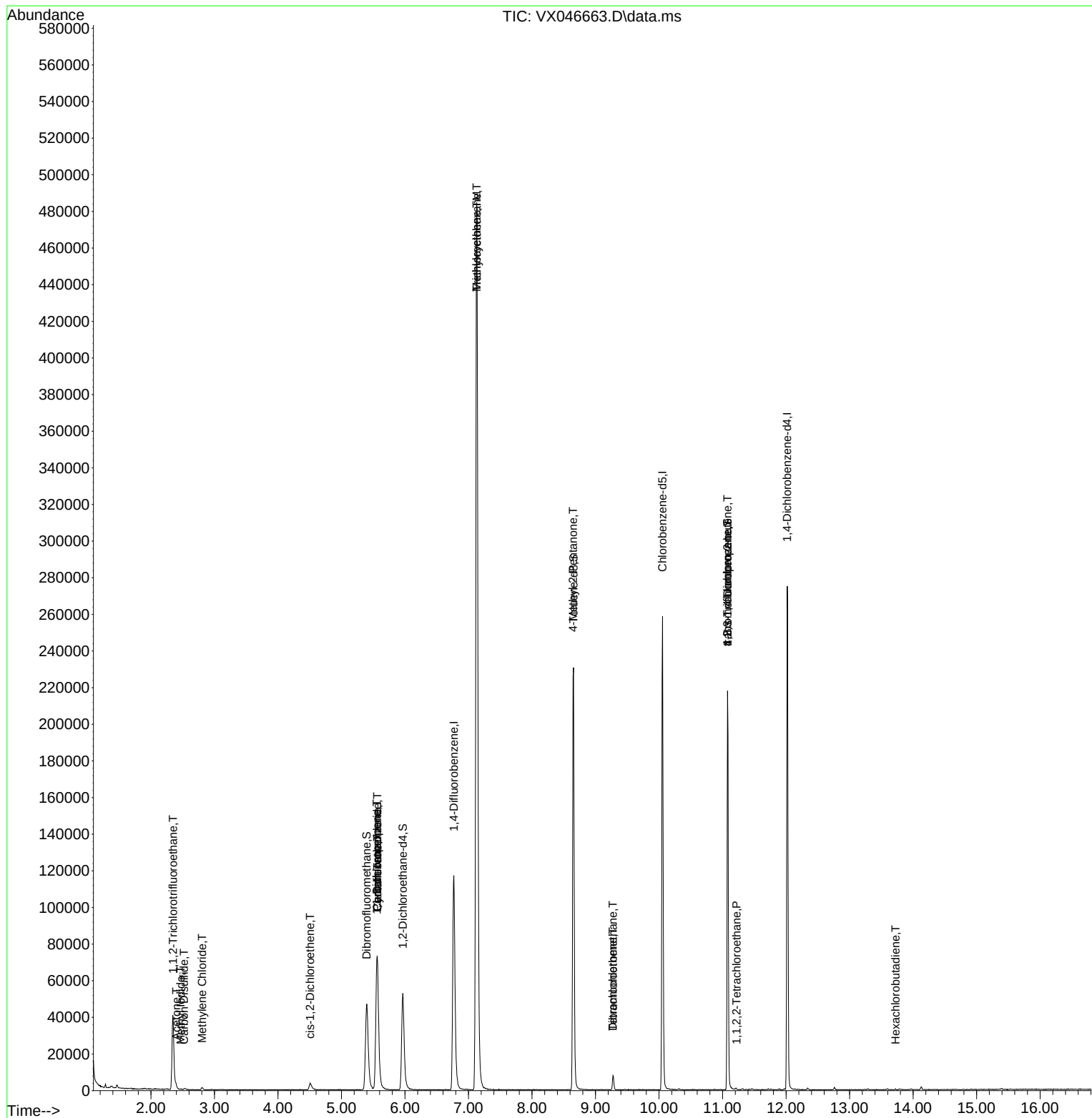
Internal Standards						
1) Pentafluorobenzene	5.562	168	74051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	126787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	56384	42.798	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.600%
35) Dibromofluoromethane	5.397	113	44542	47.772	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.653	98	144541	47.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.040%
62) 4-Bromofluorobenzene	11.079	95	61220	48.135	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.280%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.349	101	18690	19.221	ug/l	93
10) Methyl Iodide	2.465	142	447	0.424	ug/l #	75
16) Acetone	2.398	43	1511	7.461	ug/l #	84
17) Carbon Disulfide	2.520	76	626	0.536	ug/l #	76
20) Methylene Chloride	2.806	84	569	0.538	ug/l	83
27) cis-1,2-Dichloroethene	4.507	96	2574	2.247	ug/l	75
31) Cyclohexane	5.562	56	1703	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6003	4.507	ug/l #	50
38) Carbon Tetrachloride	5.562	117	8162	5.471	ug/l #	16
39) Methylcyclohexane	7.129	83	2435	1.549	ug/l #	1
44) Trichloroethene	7.129	130	196628	206.399	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	711	0.494	ug/l #	1
60) Dibromochloromethane	9.275	129	1478	1.359	ug/l #	10
64) Tetrachloroethene	9.275	164	1511	1.968	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.220	83	360	0.243	ug/l #	89
76) 1,2,3-Trichloropropane	11.079	75	31910	25.619	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31910	73.901	ug/l #	1
94) Hexachlorobutadiene	13.725	225	153	0.240	ug/l #	48

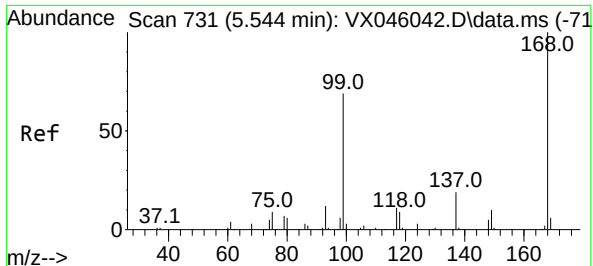
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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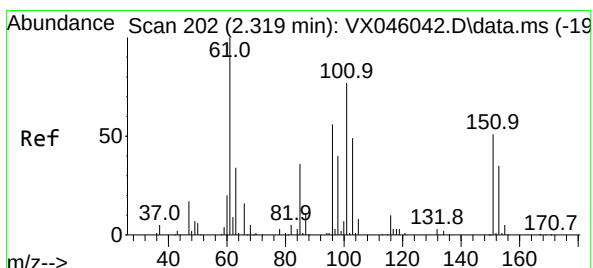
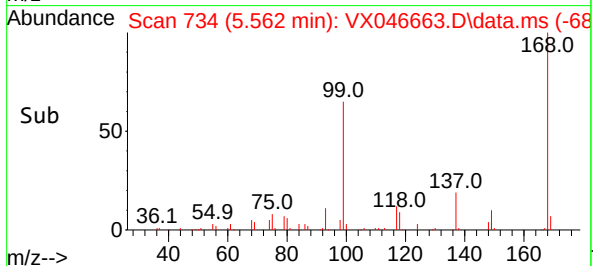
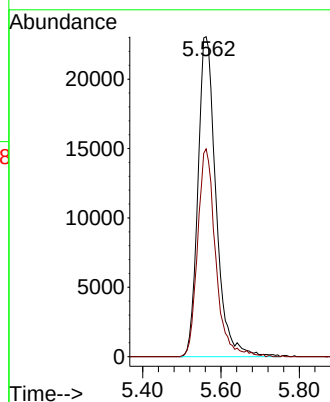
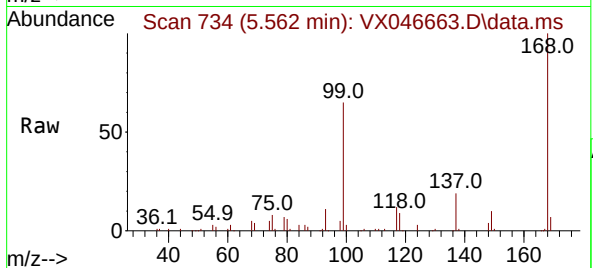




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

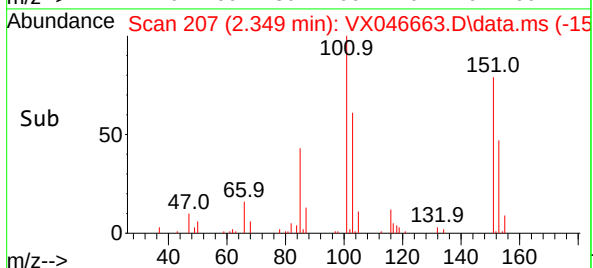
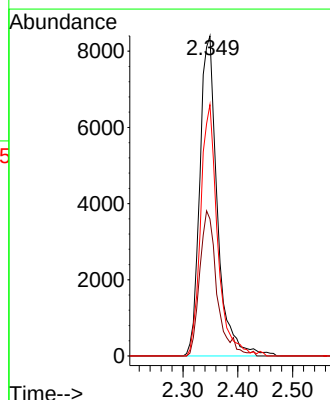
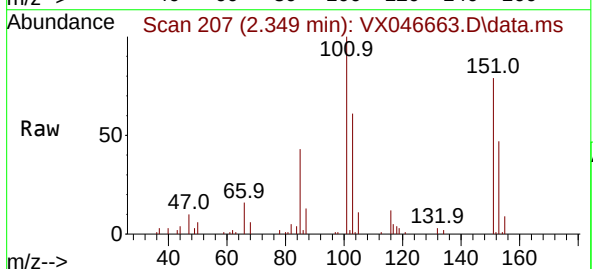
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

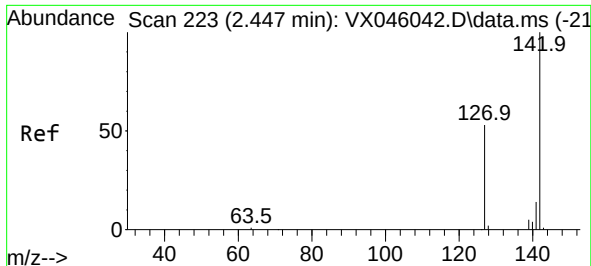
Tgt Ion:168 Resp: 74051
Ion Ratio Lower Upper
168 100
99 65.0 54.9 82.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.221 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion:101 Resp: 18690
Ion Ratio Lower Upper
101 100
85 45.1 38.6 58.0
151 76.0 55.2 82.8

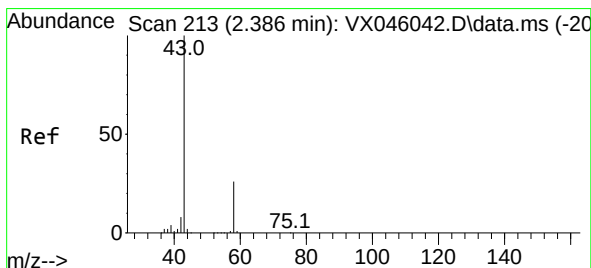
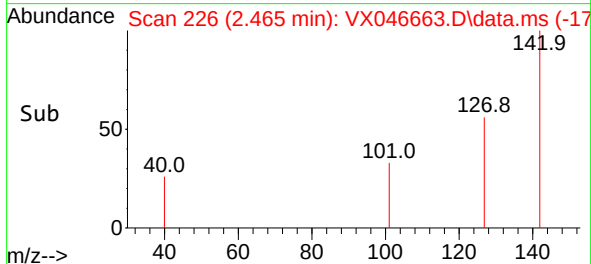
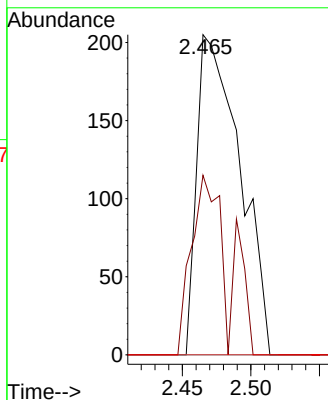
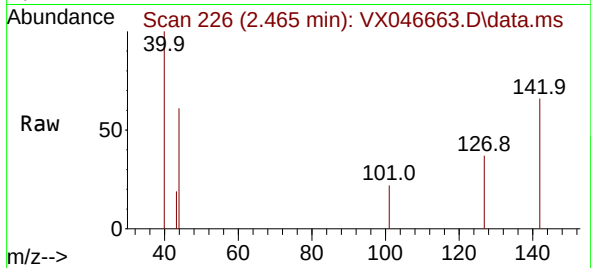




#10
Methyl Iodide
Concen: 0.424 ug/l
RT: 2.465 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

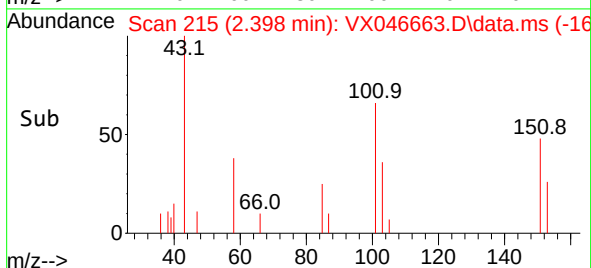
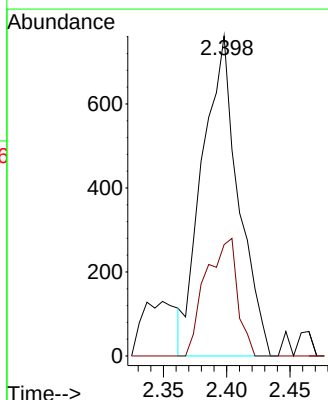
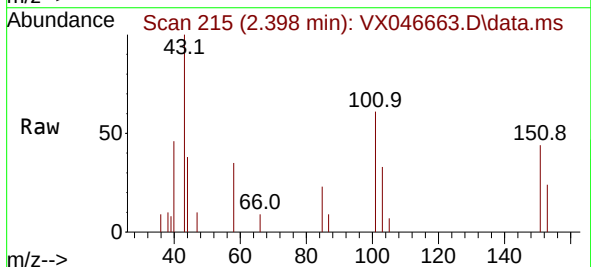
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

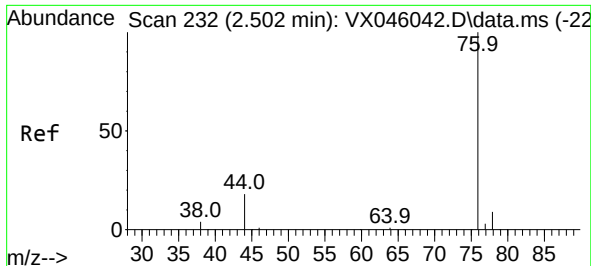
Tgt Ion:142 Resp: 447
Ion Ratio Lower Upper
142 100
127 36.7 41.7 62.5#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 7.461 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
58 34.8 21.2 31.8#





#17

Carbon Disulfide

Concen: 0.536 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

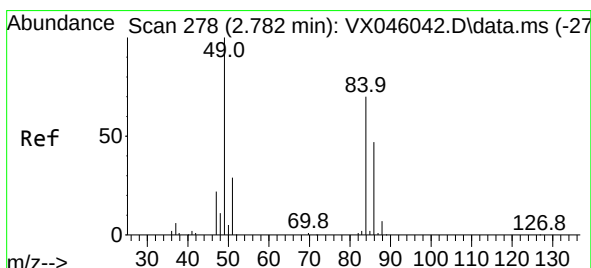
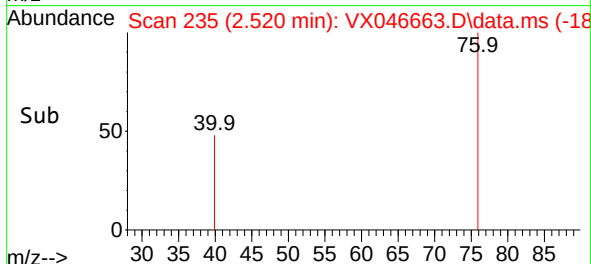
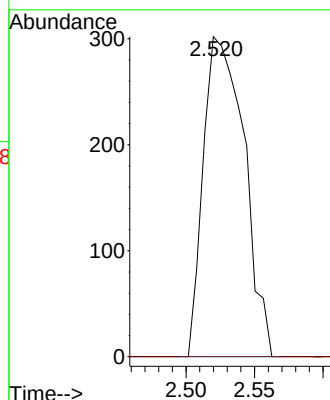
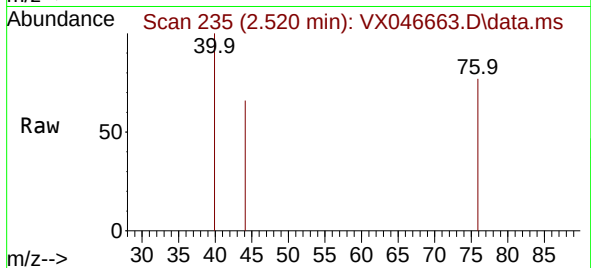
MW-06-6.5-060525

Tgt Ion: 76 Resp: 626

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 0.538 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

Tgt Ion: 84 Resp: 569

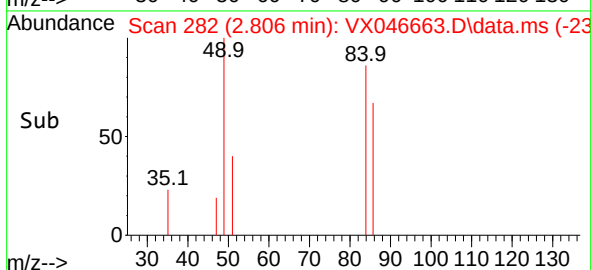
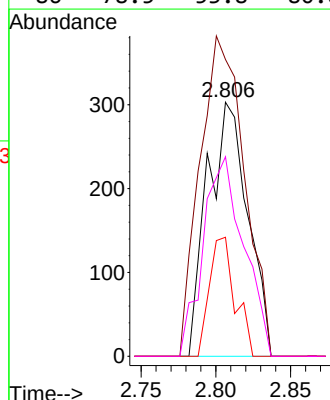
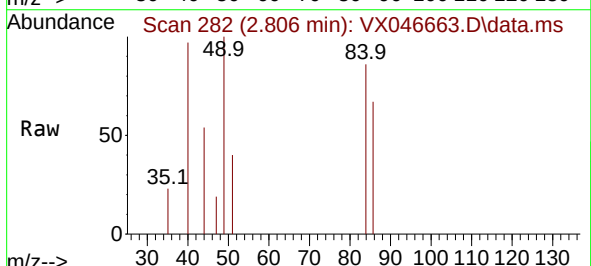
Ion Ratio Lower Upper

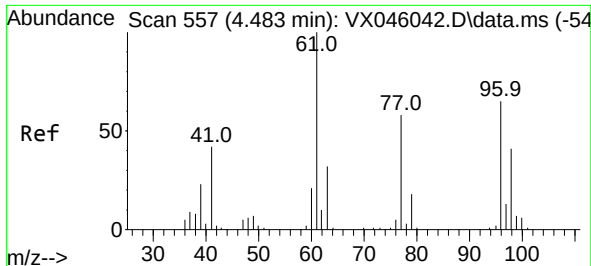
84 100

49 116.8 113.9 170.9

51 46.9 33.5 50.3

86 78.5 53.8 80.8





#27

cis-1,2-Dichloroethene

Concen: 2.247 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

Instrument :

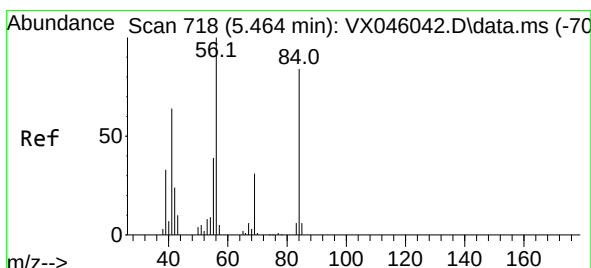
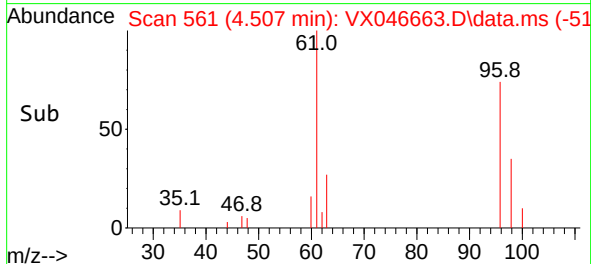
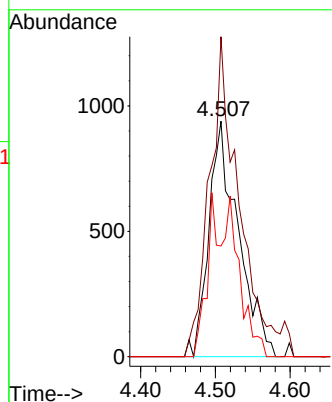
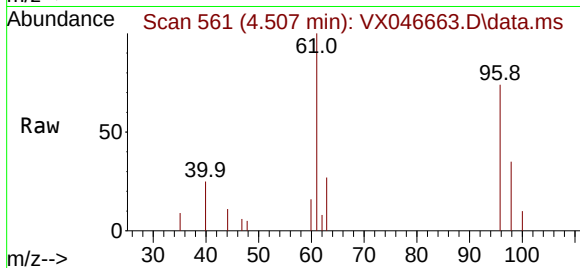
MSVOA_X

ClientSampleId :

MW-06-6.5-060525

Tgt Ion: 96 Resp: 2574

Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	322.8
98	29.9	0.0	129.0



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.562 min Scan# 734

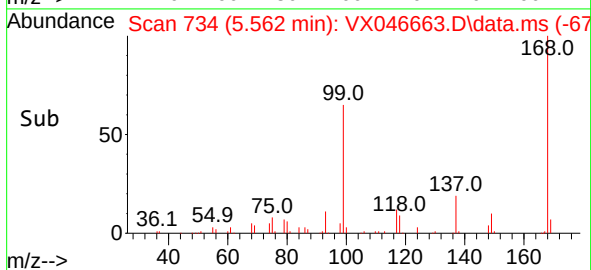
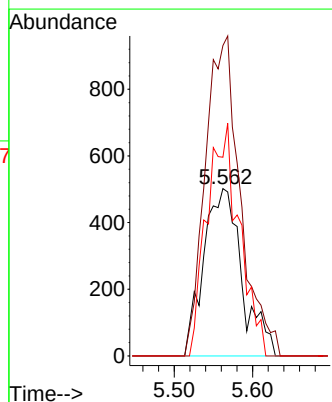
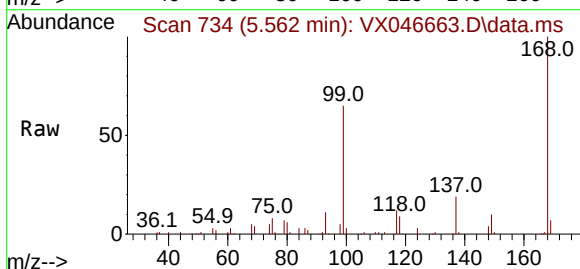
Delta R.T. 0.073 min

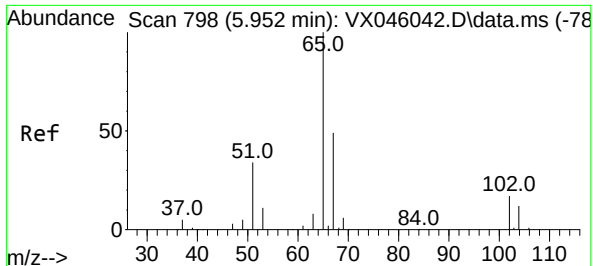
Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

Tgt Ion: 56 Resp: 1703

Ion	Ratio	Lower	Upper
56	100		
69	185.5	24.4	36.6#
84	118.7	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 42.798 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

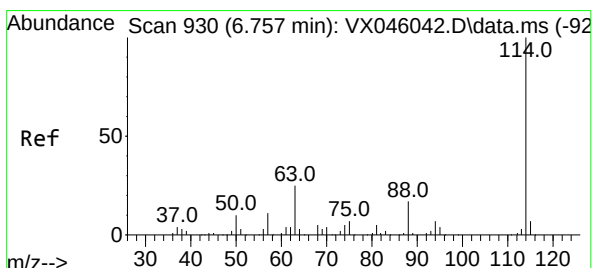
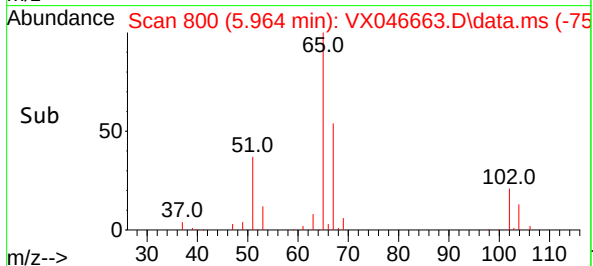
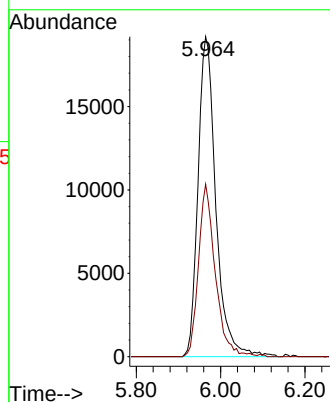
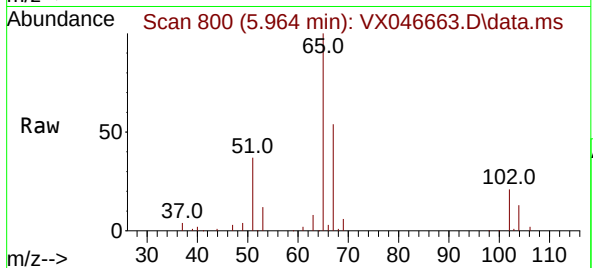
MW-06-6.5-060525

Tgt Ion: 65 Resp: 56384

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046663.D

Acq: 12 Jun 2025 14:53

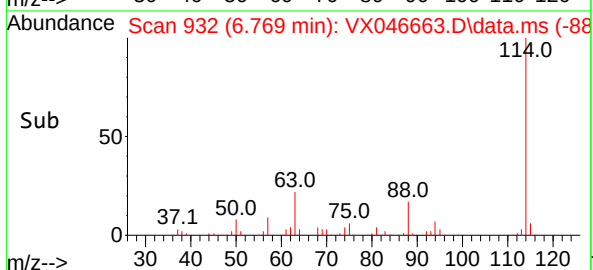
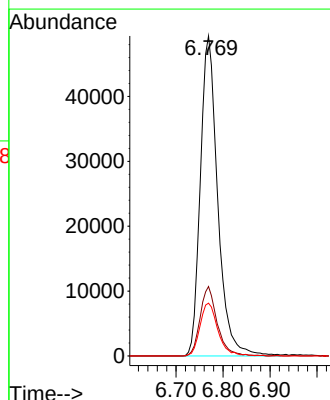
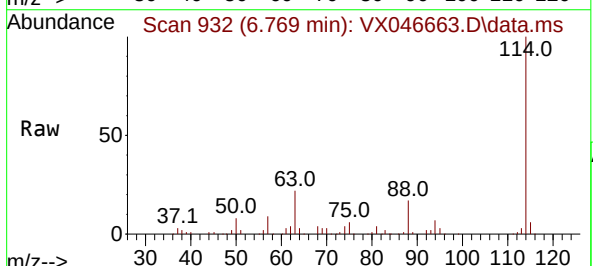
Tgt Ion: 114 Resp: 126787

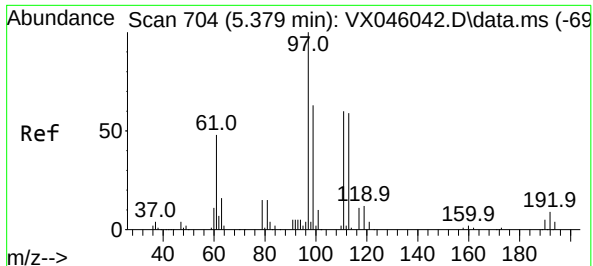
Ion Ratio Lower Upper

114 100

63 21.7 0.0 49.2

88 16.5 0.0 33.6

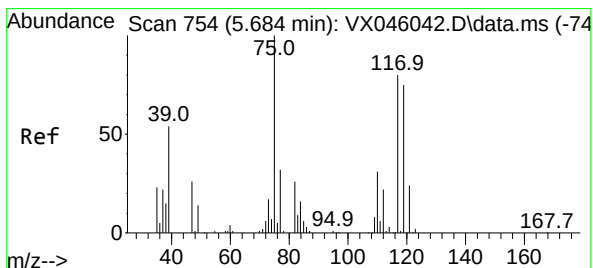
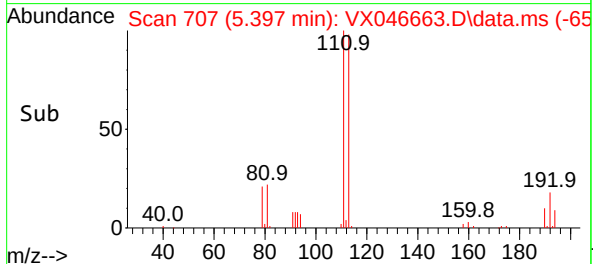
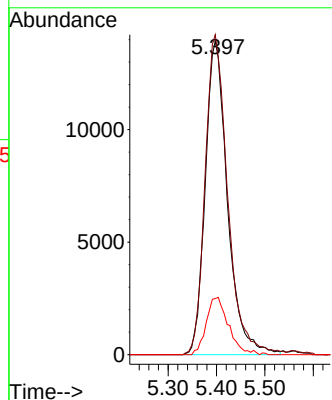
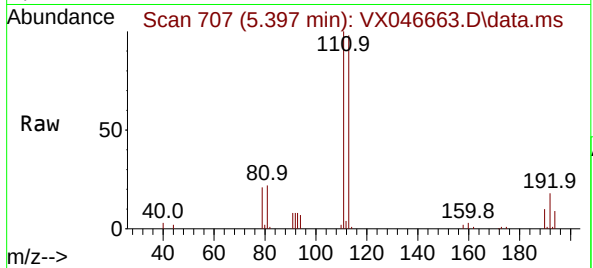




#35
Dibromofluoromethane
Concen: 47.772 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

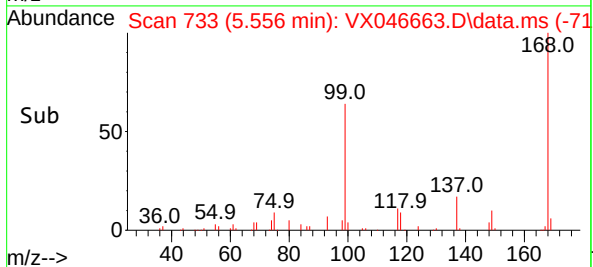
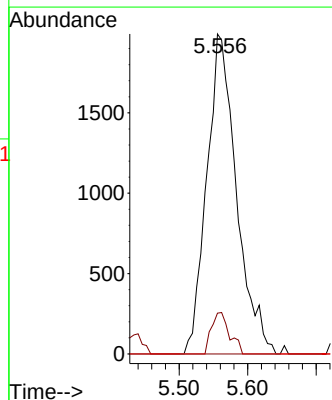
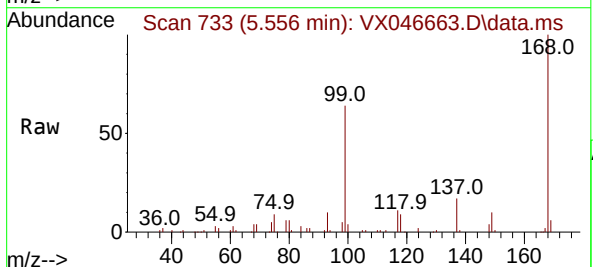
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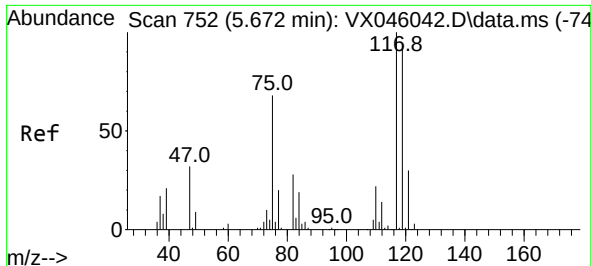
Tgt Ion:113 Resp: 44542
Ion Ratio Lower Upper
113 100
111 103.9 83.1 124.7
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.507 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.158 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 75 Resp: 6003
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.3 36.5#

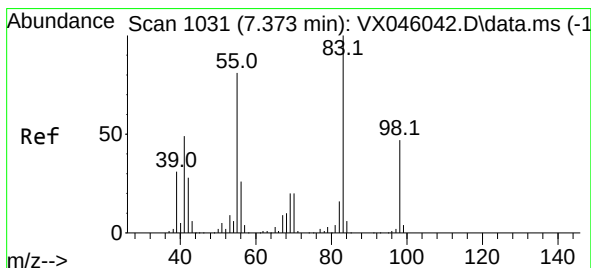
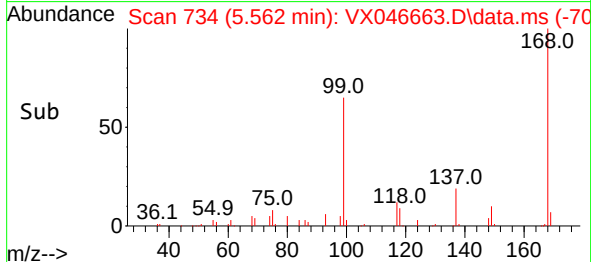
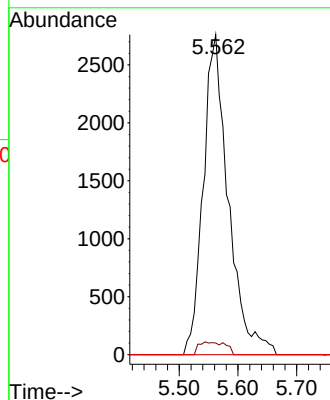
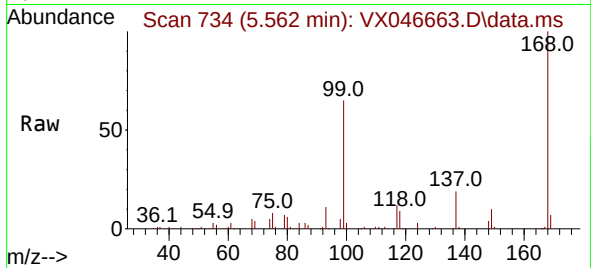




#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

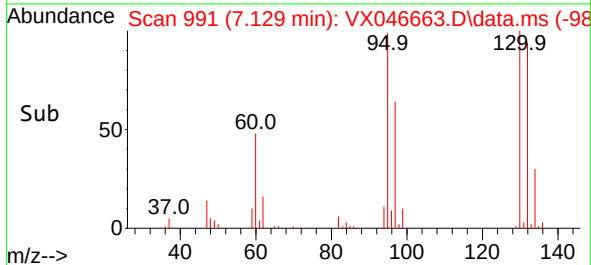
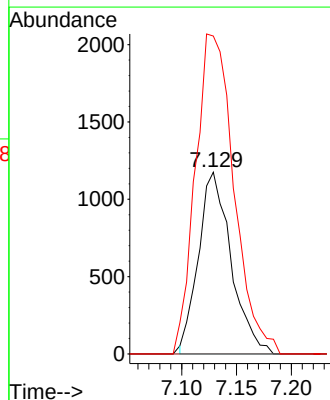
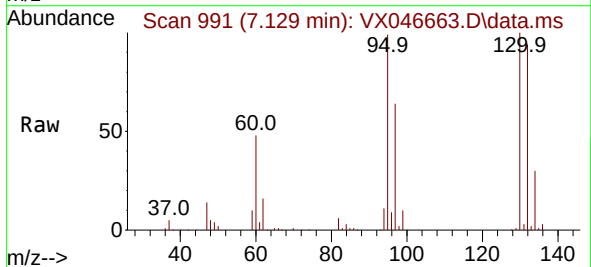
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

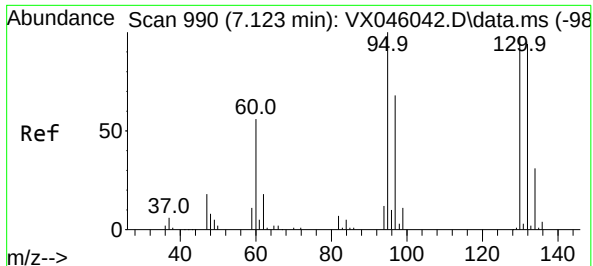
Tgt Ion:117 Resp: 8162
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 1.549 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 83 Resp: 2435
Ion Ratio Lower Upper
83 100
55 0.0 64.7 97.1#
98 175.0 37.4 56.2#

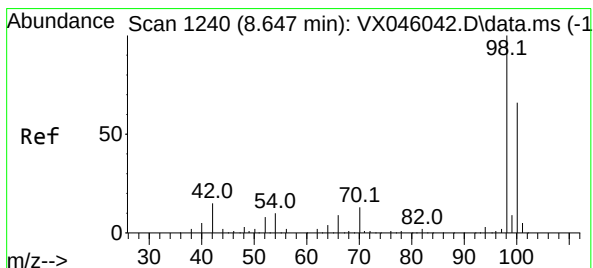
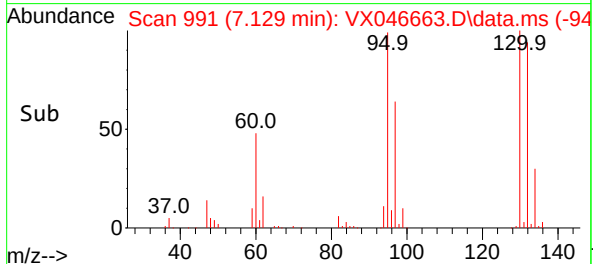
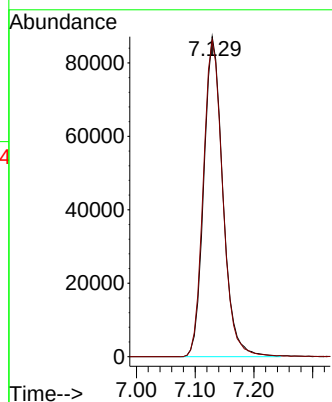
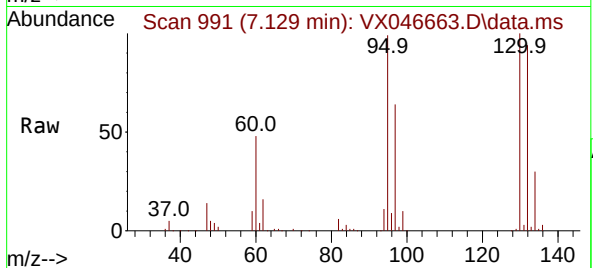




#44
Trichloroethene
Concen: 206.399 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

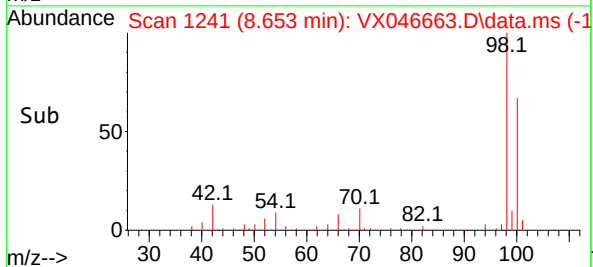
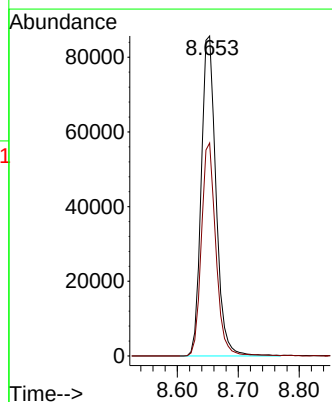
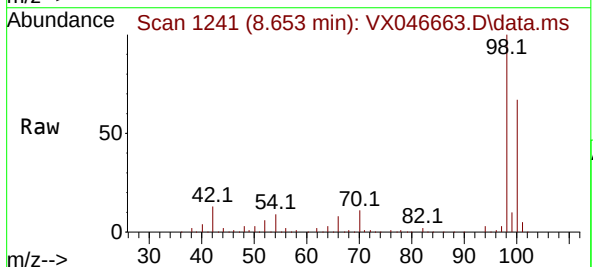
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

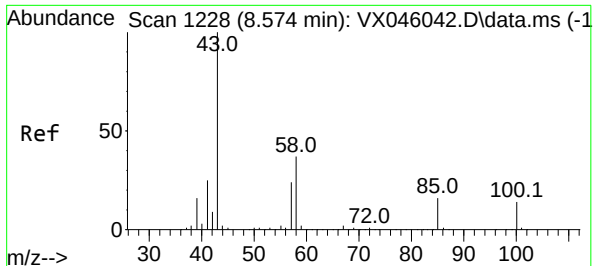
Tgt Ion:130 Resp: 196628
Ion Ratio Lower Upper
130 100
95 98.8 0.0 204.2



#50
Toluene-d8
Concen: 47.021 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 98 Resp: 144541
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

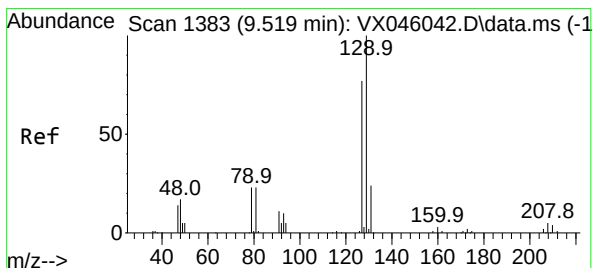
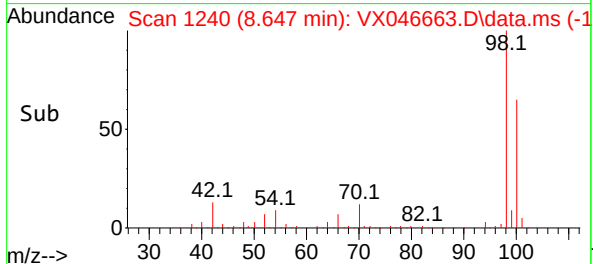
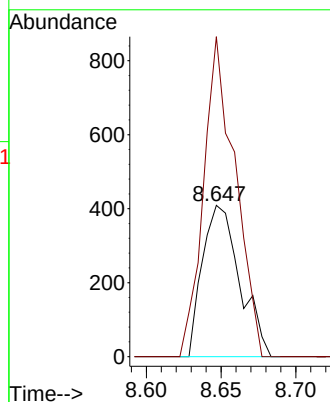
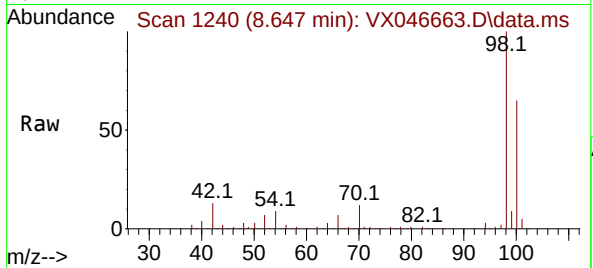




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

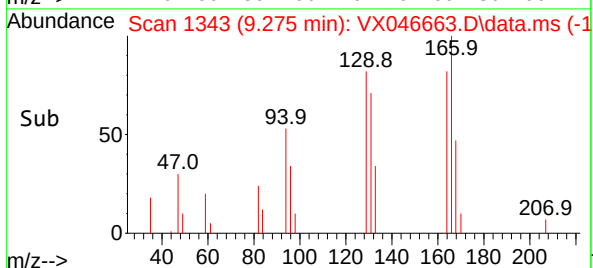
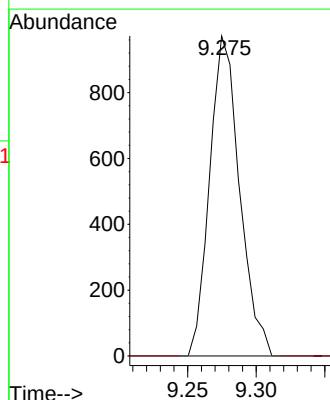
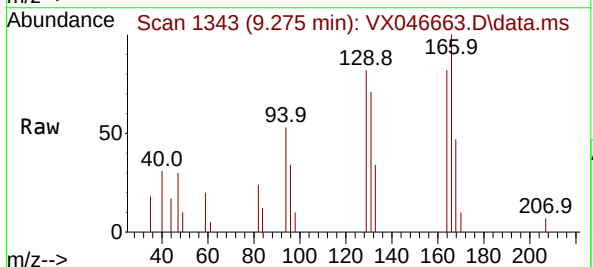
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

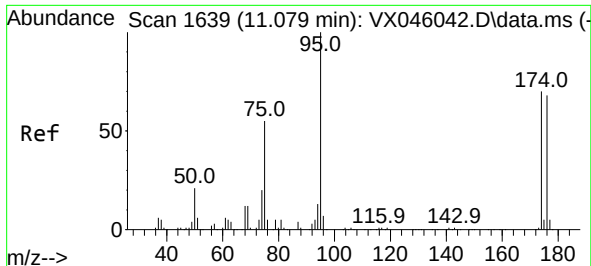
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 179.0 28.9 43.3#



#60
Dibromochloromethane
Concen: 1.359 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 129 Resp: 1478
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

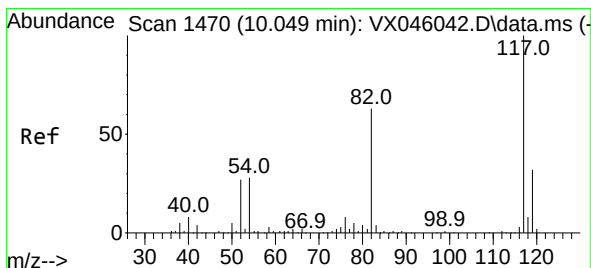
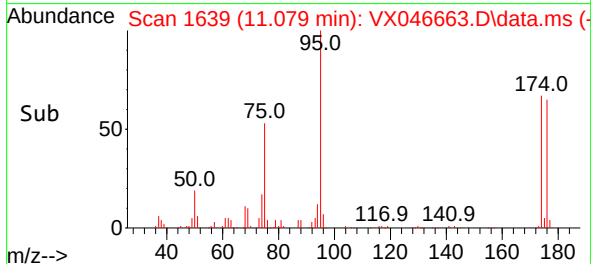
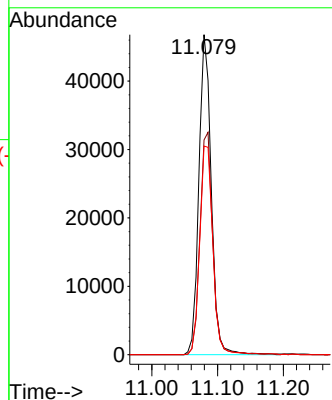
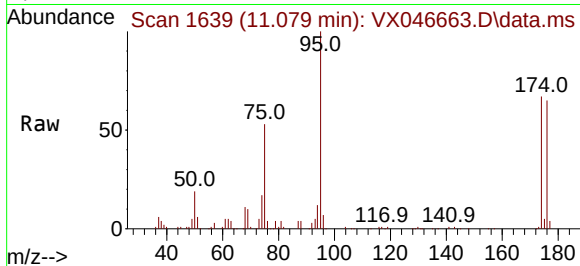




#62
4-Bromofluorobenzene
Concen: 48.135 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

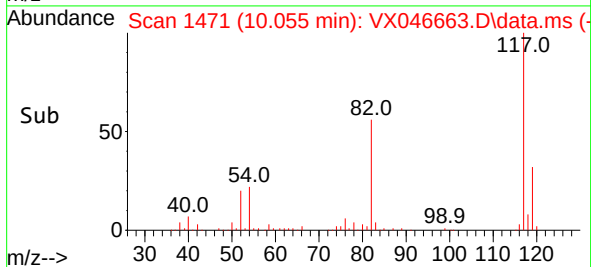
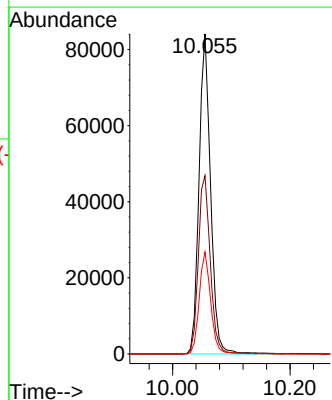
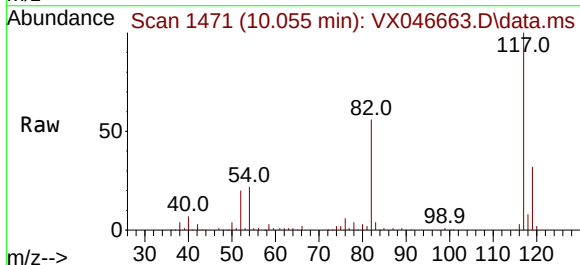
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

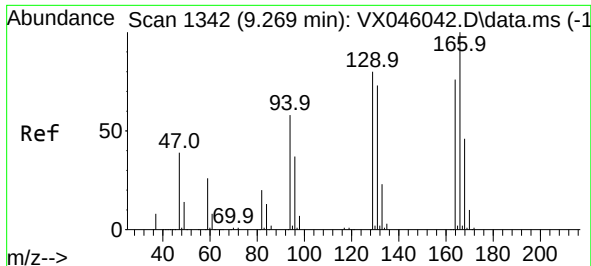
Tgt Ion: 95 Resp: 61220
Ion Ratio Lower Upper
95 100
174 71.7 0.0 135.8
176 69.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 117 Resp: 114792
Ion Ratio Lower Upper
117 100
82 55.7 50.6 76.0
119 31.9 25.8 38.6



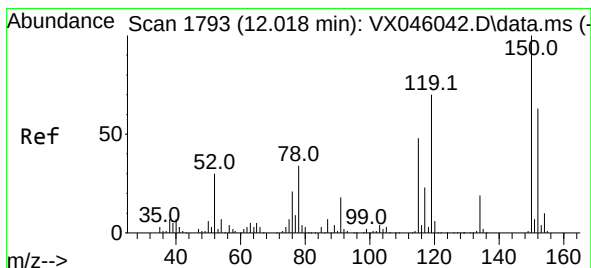
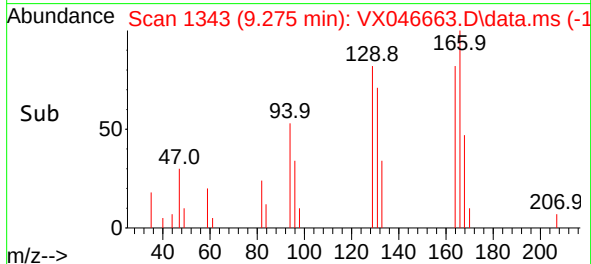
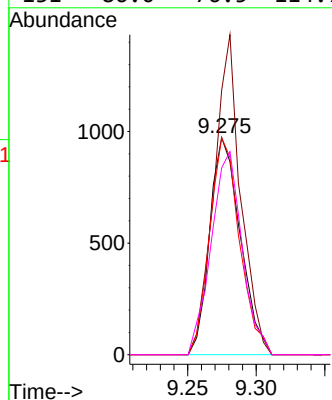
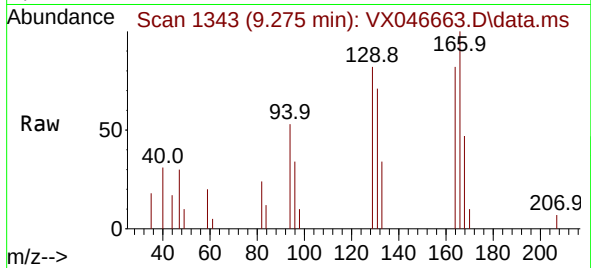


#64
Tetrachloroethene
Concen: 1.968 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion:164 Resp: 1511

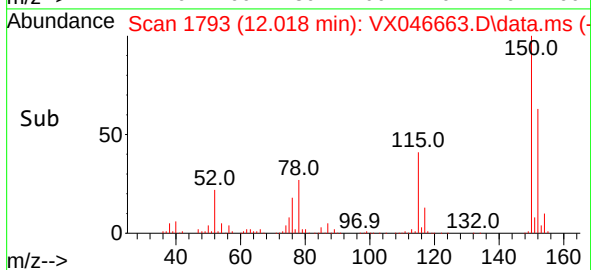
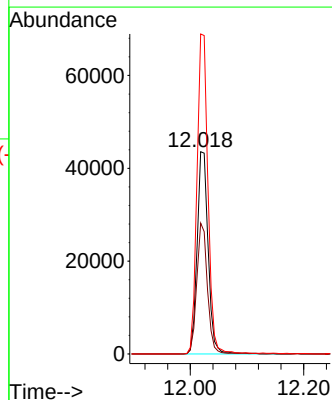
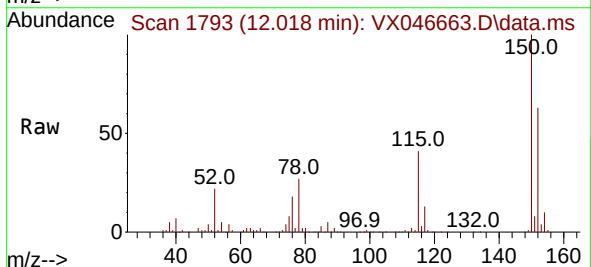
Ion	Ratio	Lower	Upper
164	100		
166	121.7	105.0	157.6
129	99.9	83.5	125.3
131	86.0	76.5	114.7

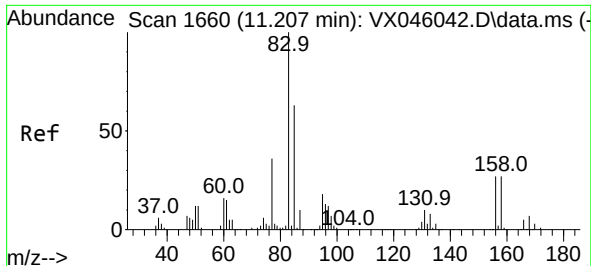


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion:152 Resp: 58805

Ion	Ratio	Lower	Upper
152	100		
115	62.1	46.9	140.7
150	157.6	0.0	351.0

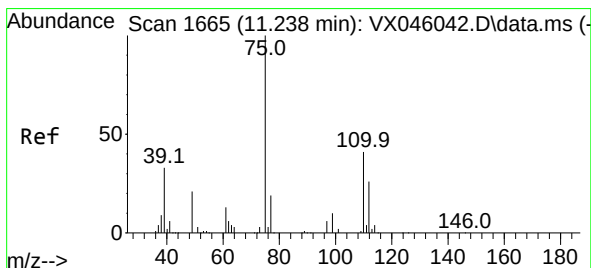
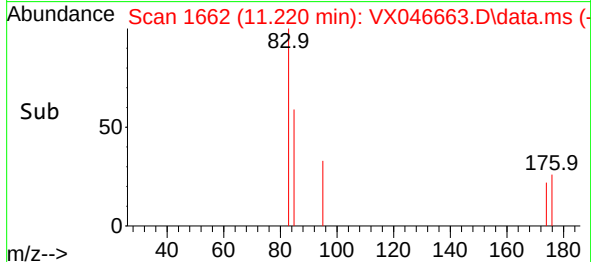
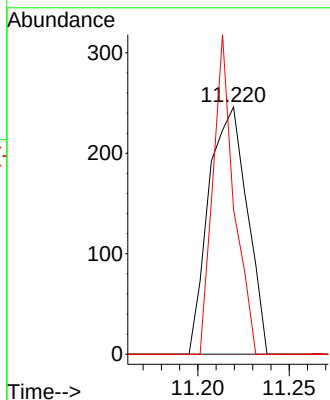
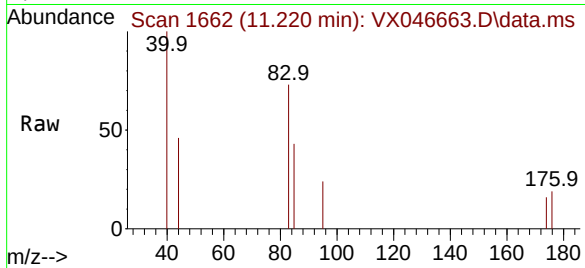




#75
1,1,2,2-Tetrachloroethane
Concen: 0.243 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.007 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

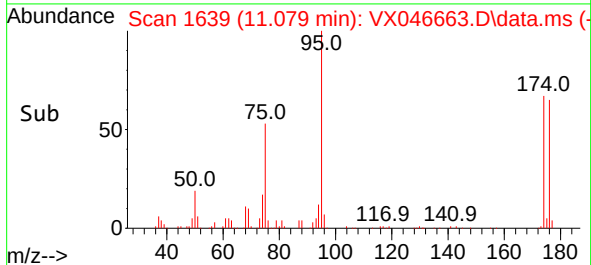
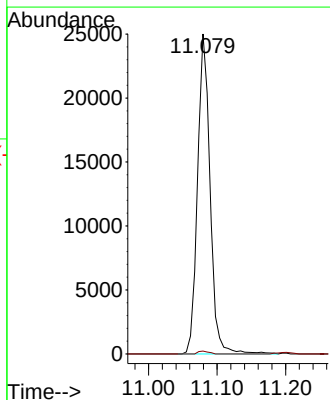
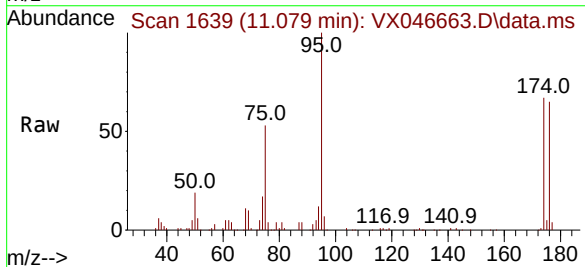
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

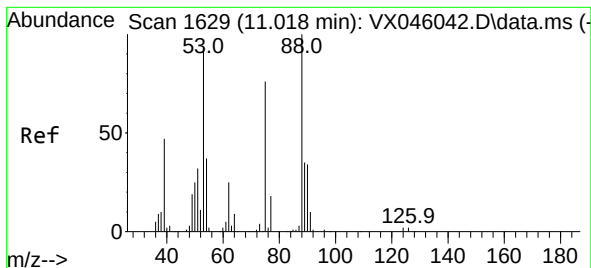
Tgt Ion: 83 Resp: 360
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 70.6 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 25.619 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 75 Resp: 31910
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#

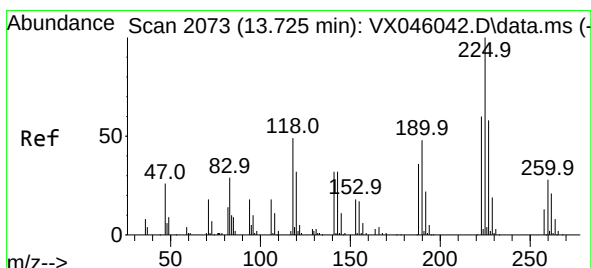
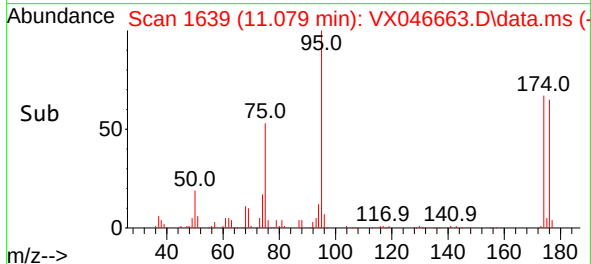
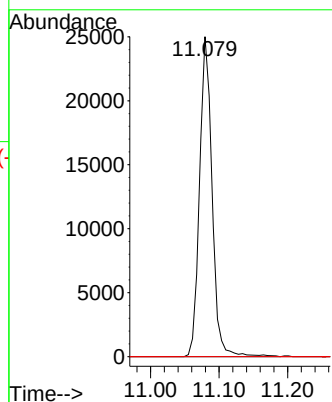
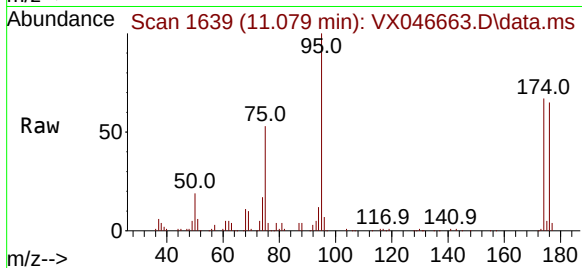




#81
trans-1,4-Dichloro-2-butene
Concen: 73.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion: 75 Resp: 31910
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.240 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046663.D
Acq: 12 Jun 2025 14:53

Tgt Ion: 225 Resp: 153
Ion Ratio Lower Upper
225 100
223 43.1 30.8 92.4
227 0.0 30.9 92.7#

