

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045658.D
 Acq On : 08 Apr 2025 17:31
 Operator : JC/MD
 Sample : Q1745-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6.5-WC

Quant Time: Apr 09 01:42:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

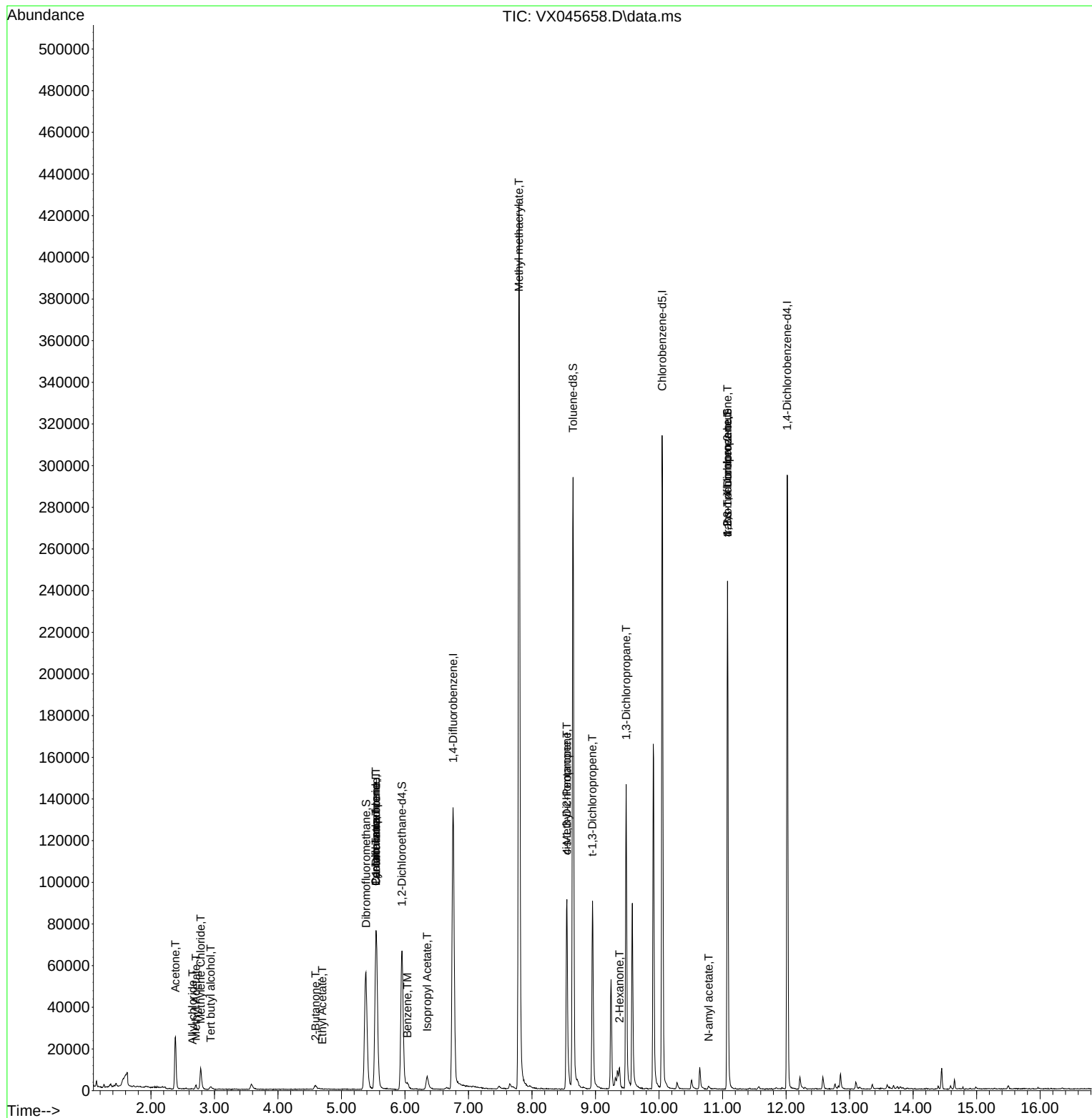
Internal Standards						
1) Pentafluorobenzene	5.544	168	63634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67949	58.390	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.780%	
35) Dibromofluoromethane	5.385	113	48605	52.241	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	8.647	98	167623	51.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	11.079	95	63055	53.306	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	892	5.704	ug/l #	72
14) Allyl chloride	2.654	41	365	0.252	ug/l #	53
16) Acetone	2.386	43	27864	58.311	ug/l	100
18) Methyl Acetate	2.709	43	2342	2.129	ug/l #	86
20) Methylene Chloride	2.782	84	4117	4.602	ug/l	98
25) 2-Butanone	4.593	43	4198	6.002	ug/l	95
31) Cyclohexane	5.544	56	1905	1.334	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6294	5.010	ug/l #	52
37) Ethyl Acetate	4.696	43	322	0.203	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7991	5.886	ug/l #	17
40) Benzene	6.037	78	3156	0.823	ug/l #	90
43) Isopropyl Acetate	6.348	43	9595	3.999	ug/l	97
48) Methyl methacrylate	7.793	41	43432	35.058	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37106	23.328	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	195	2.421	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13522	9.805	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1203	0.747	ug/l #	42
59) 2-Hexanone	9.378	43	9380	7.963	ug/l #	28
74) N-amyl acetate	10.780	43	1592	0.768	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36962	27.991	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36962	94.999	ug/l #	1

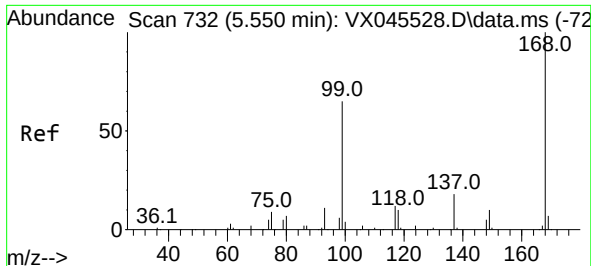
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
IB-6.5-WC

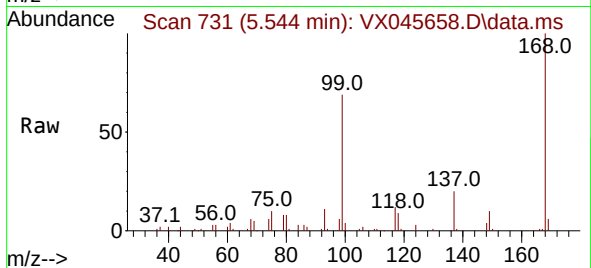
Quant Time: Apr 09 01:42:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



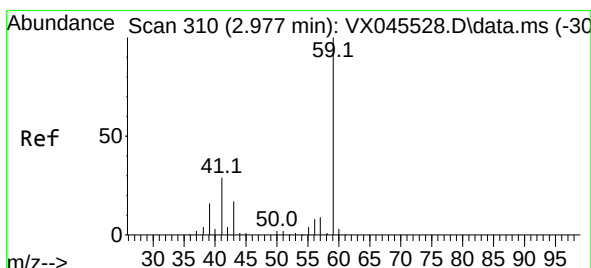
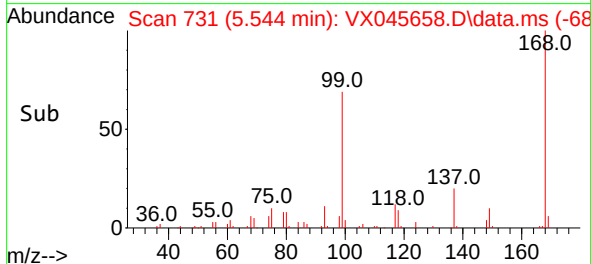
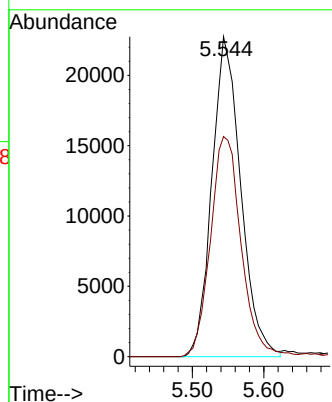


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

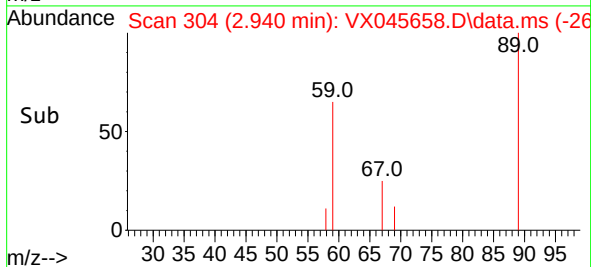
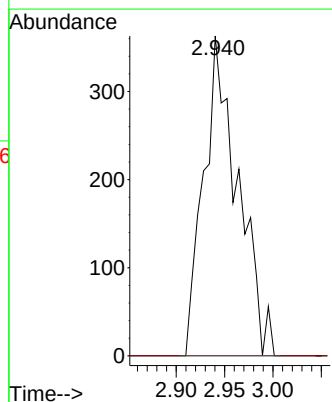
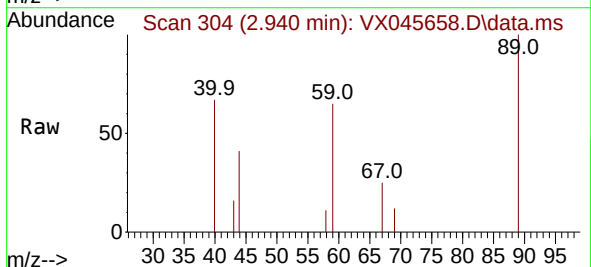


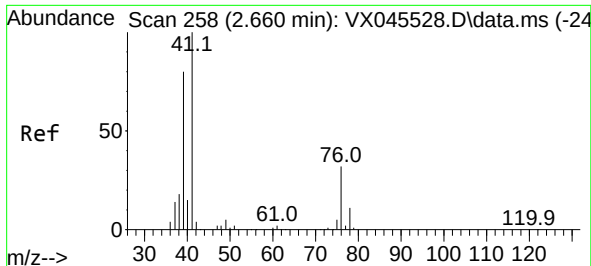
Tgt Ion:168 Resp: 63634
Ion Ratio Lower Upper
168 100
99 68.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.704 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 59 Resp: 892
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

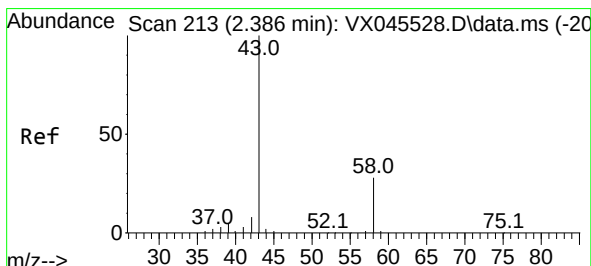
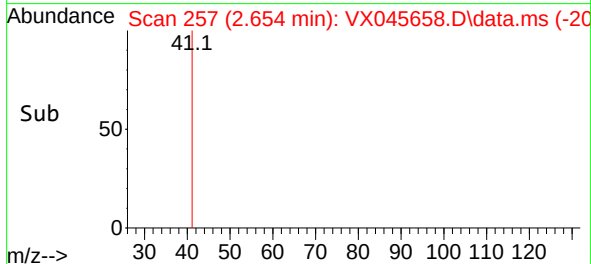
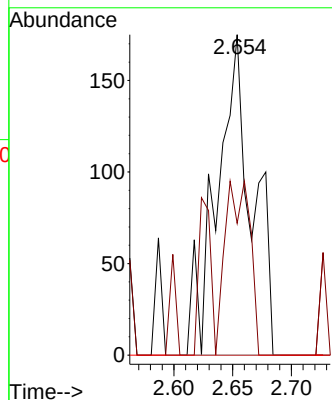
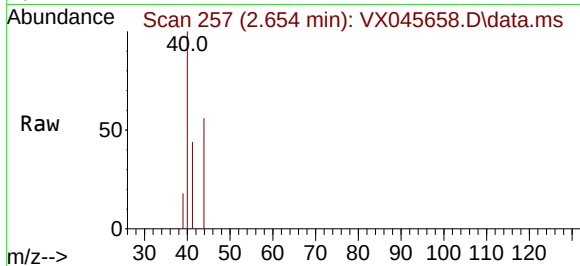




#14
 Allyl chloride
 Concen: 0.252 ug/l
 RT: 2.654 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX045658.D
 Acq: 08 Apr 2025 17:31

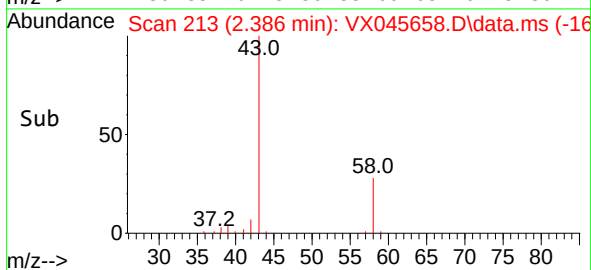
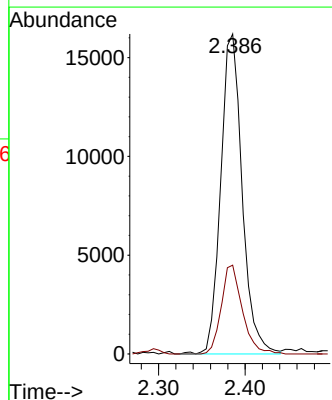
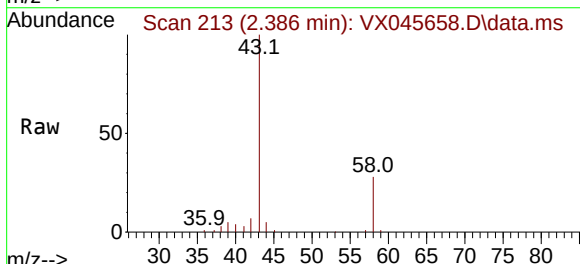
Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6.5-WC

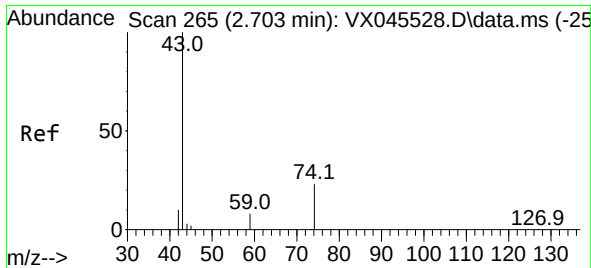
Tgt Ion: 41 Resp: 365
 Ion Ratio Lower Upper
 41 100
 39 38.1 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 58.311 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045658.D
 Acq: 08 Apr 2025 17:31

Tgt Ion: 43 Resp: 27864
 Ion Ratio Lower Upper
 43 100
 58 27.8 22.3 33.5

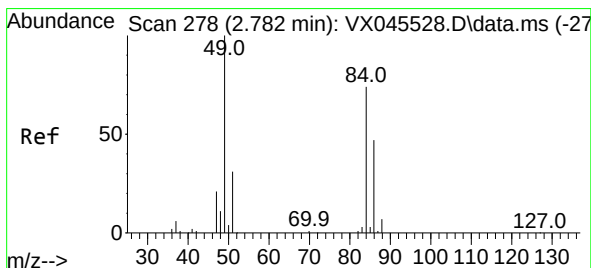
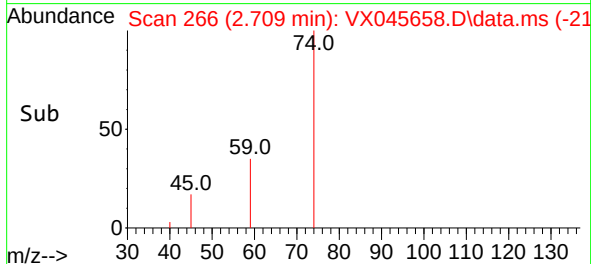
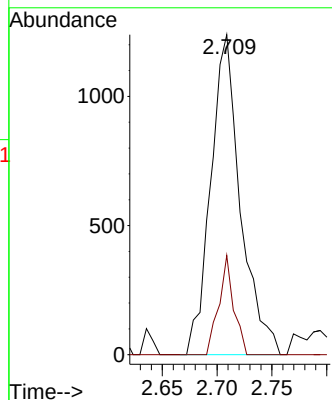
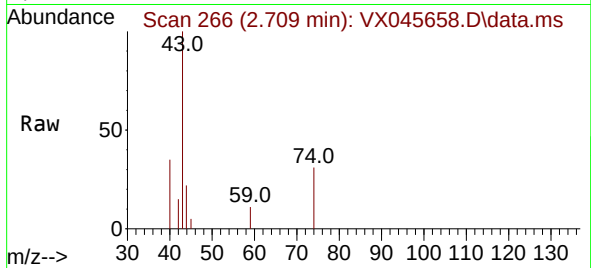




#18
Methyl Acetate
Concen: 2.129 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

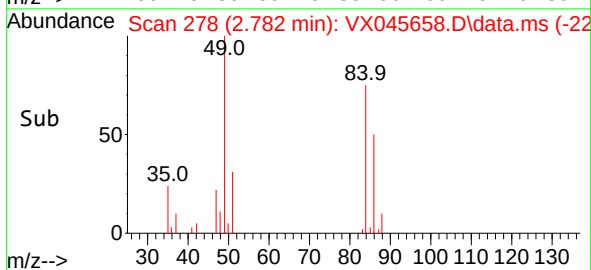
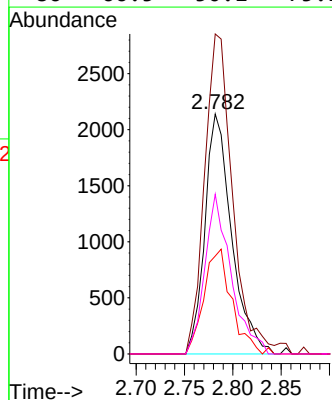
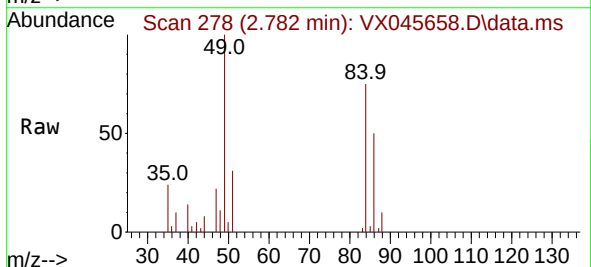
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

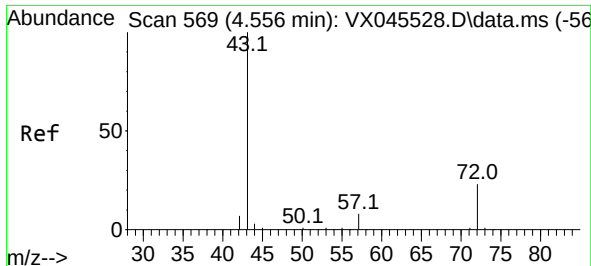
Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
74 15.5 17.5 26.3#



#20
Methylene Chloride
Concen: 4.602 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 84 Resp: 4117
Ion Ratio Lower Upper
84 100
49 133.4 107.5 161.3
51 40.8 33.0 49.6
86 66.5 50.1 75.1

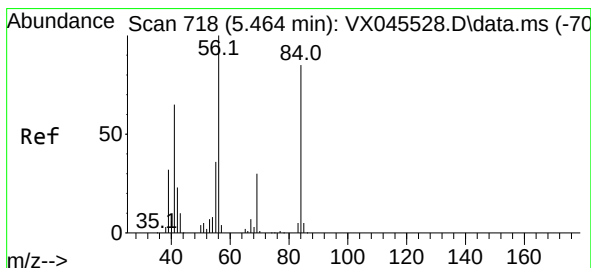
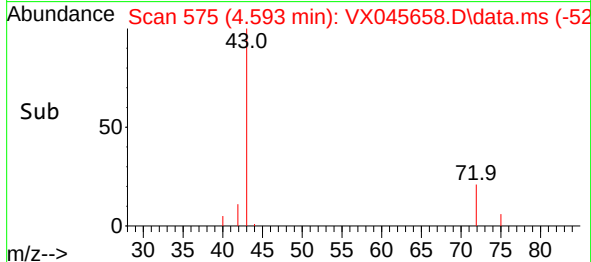
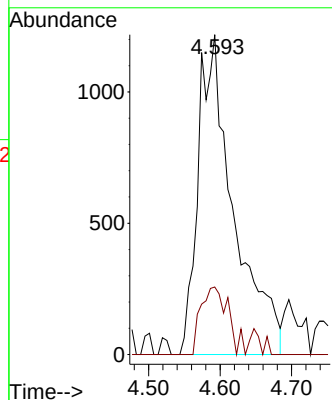
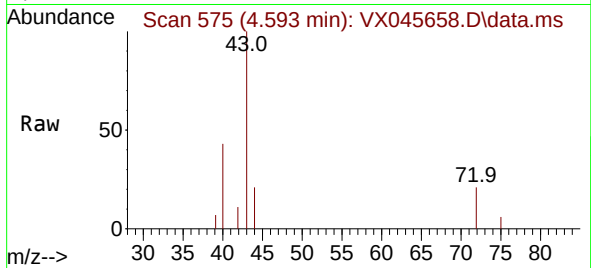




#25
2-Butanone
Concen: 6.002 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

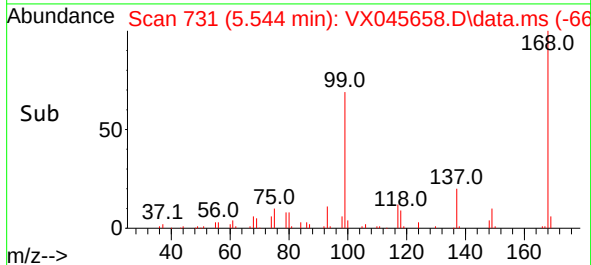
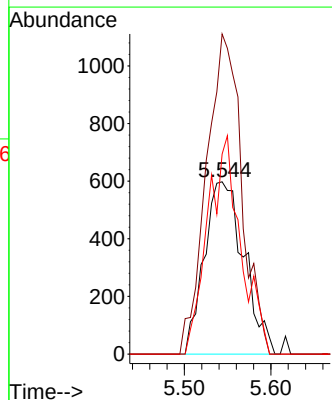
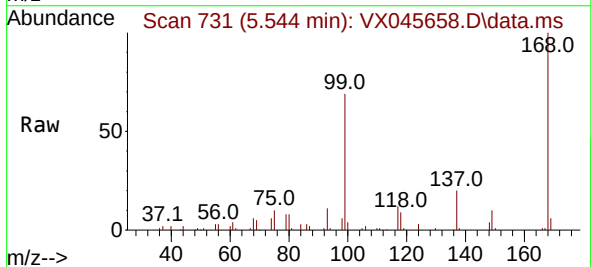
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

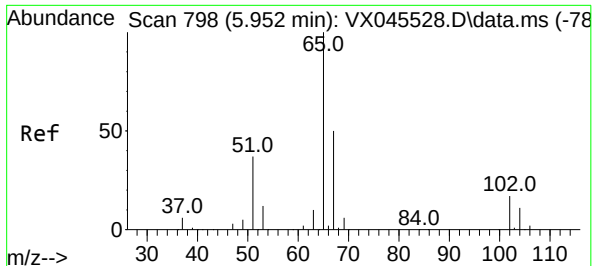
Tgt Ion: 43 Resp: 4198
Ion Ratio Lower Upper
43 100
72 21.1 18.6 28.0



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 56 Resp: 1905
Ion Ratio Lower Upper
56 100
69 185.8 23.6 35.4#
84 116.1 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 58.390 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045658.D

Acq: 08 Apr 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

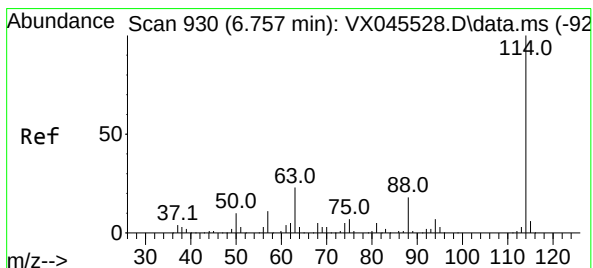
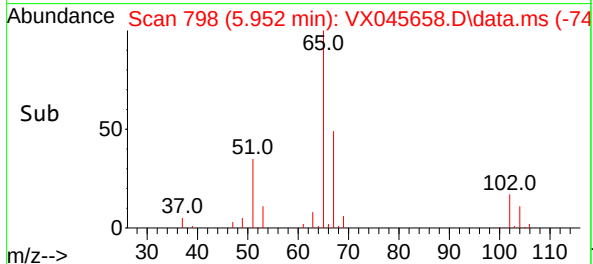
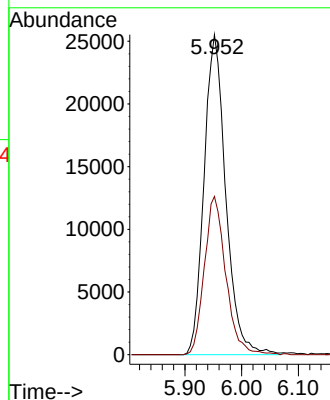
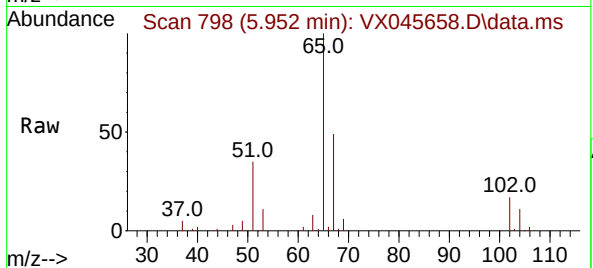
IB-6.5-WC

Tgt Ion: 65 Resp: 67949

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045658.D

Acq: 08 Apr 2025 17:31

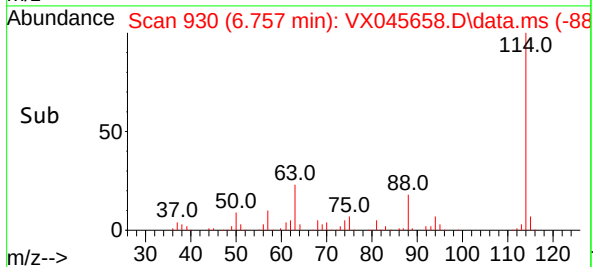
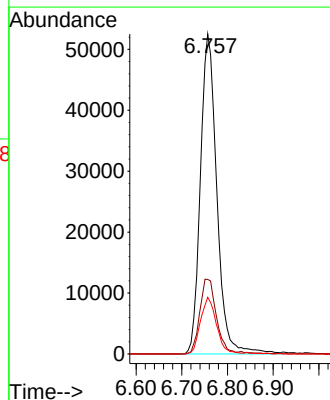
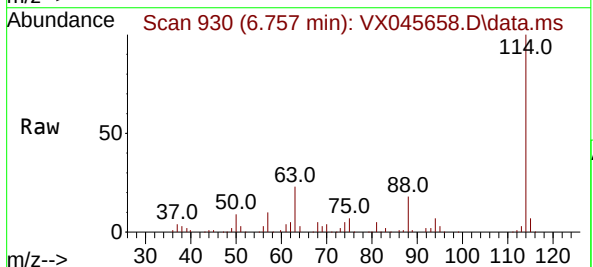
Tgt Ion: 114 Resp: 131134

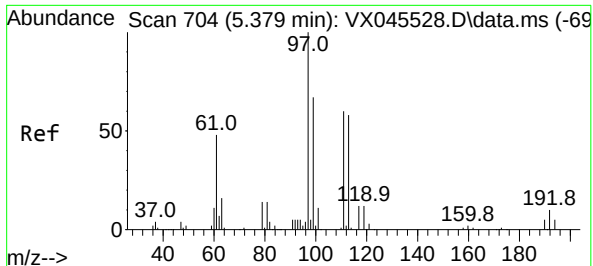
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.8

88 17.7 0.0 35.4

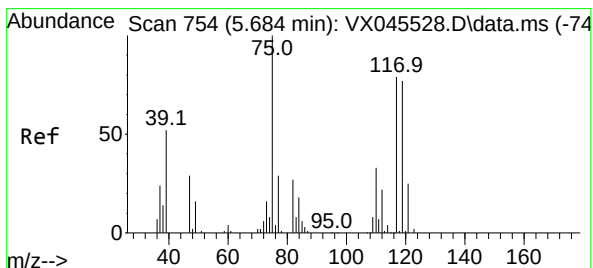
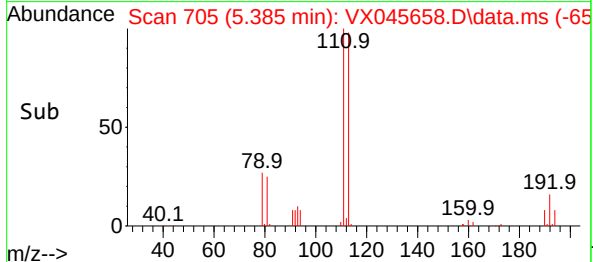
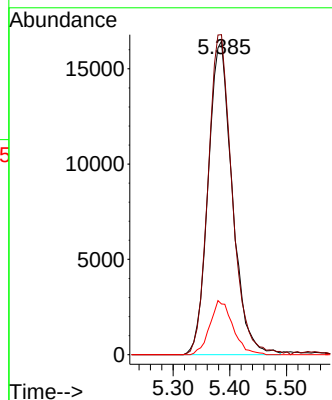
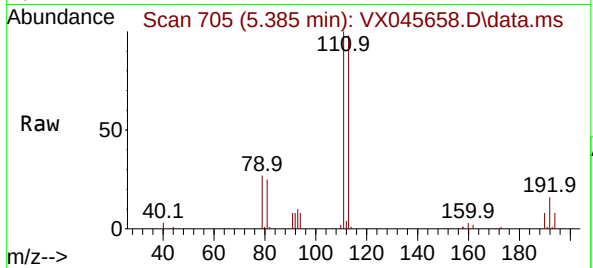




#35
Dibromofluoromethane
Concen: 52.241 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

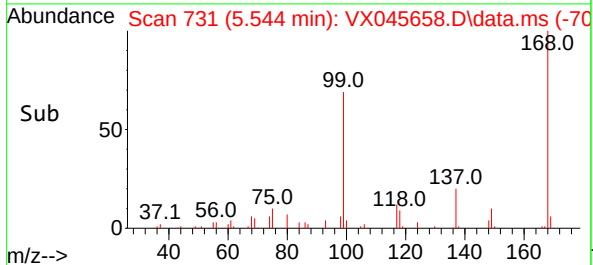
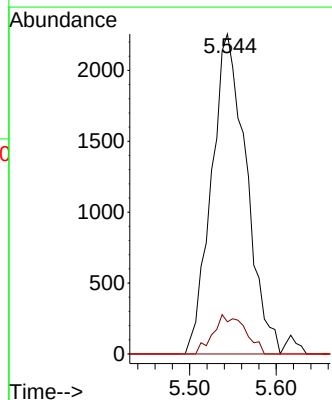
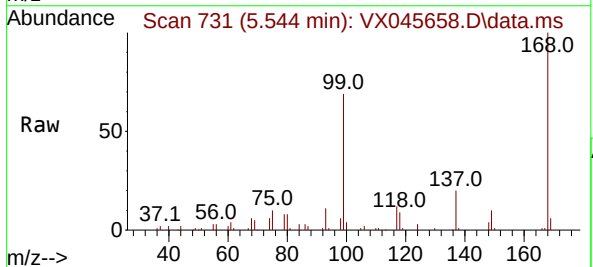
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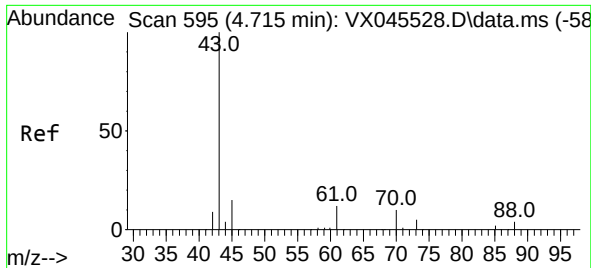
Tgt Ion:113 Resp: 48605
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 16.5 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 75 Resp: 6294
Ion Ratio Lower Upper
75 100
110 11.2 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.203 ug/l

RT: 4.696 min Scan# 592

Delta R.T. -0.018 min

Lab File: VX045658.D

Acq: 08 Apr 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

IB-6.5-WC

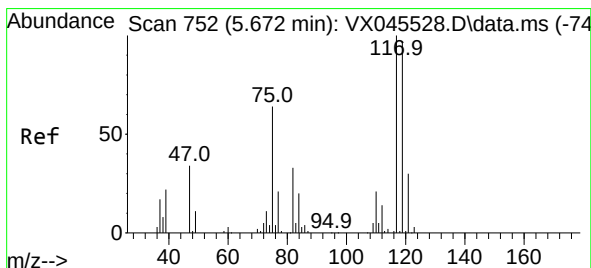
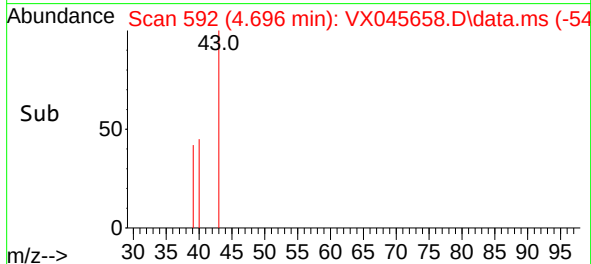
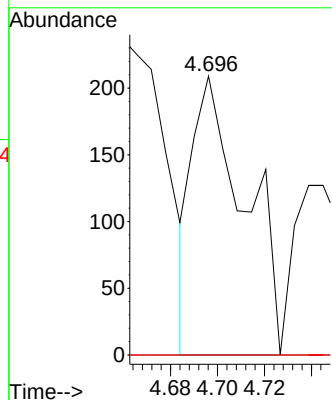
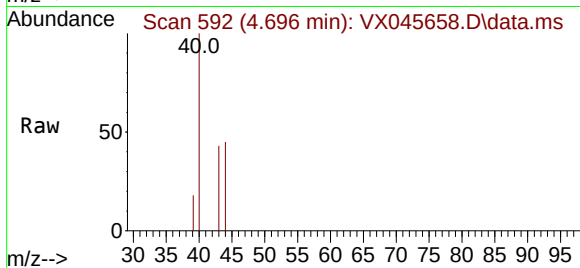
Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.886 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045658.D

Acq: 08 Apr 2025 17:31

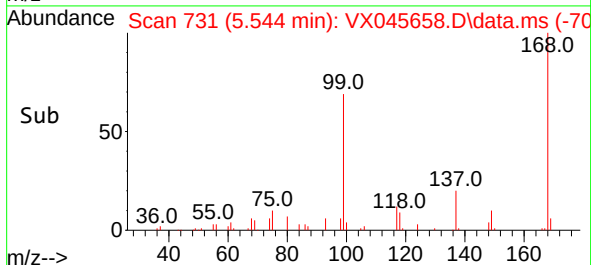
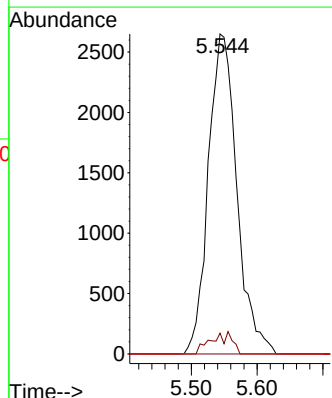
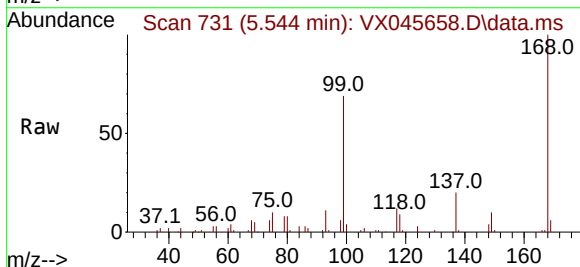
Tgt Ion: 117 Resp: 7991

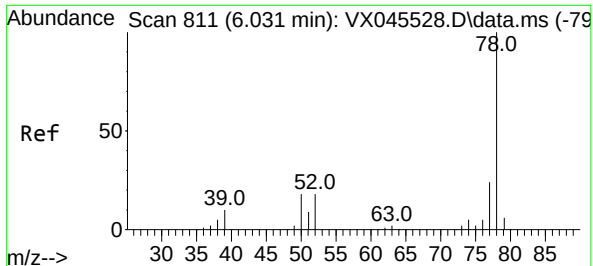
Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

121 0.0 24.2 36.2#

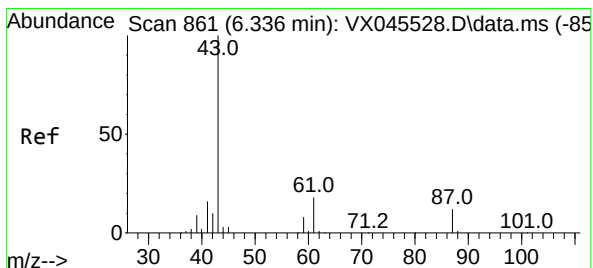
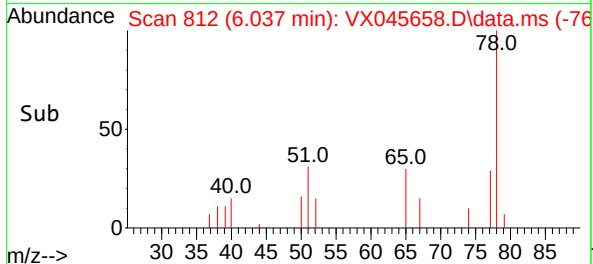
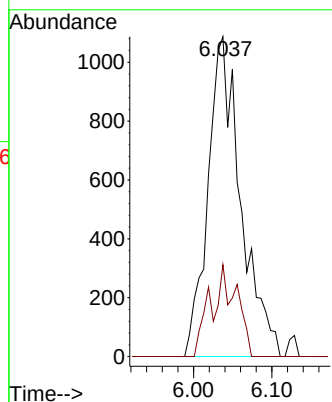
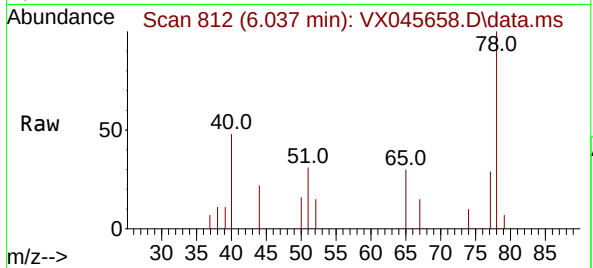




#40
Benzene
Concen: 0.823 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

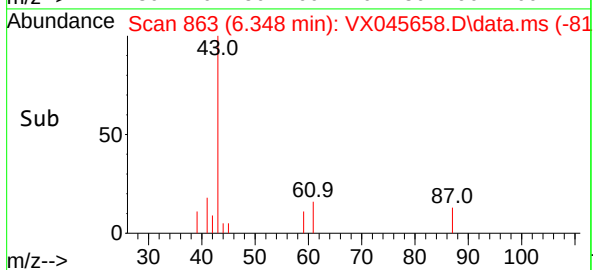
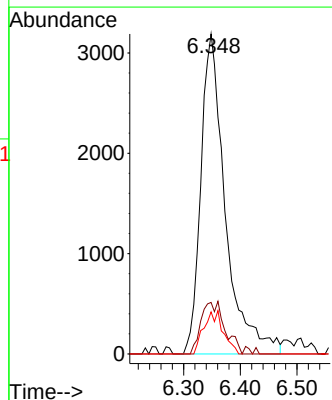
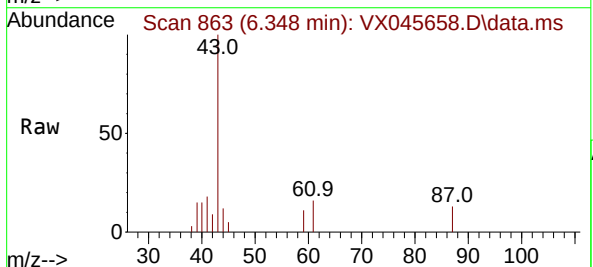
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

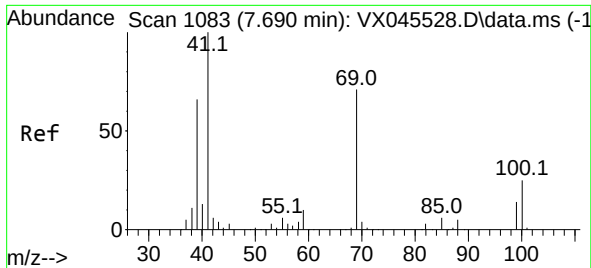
Tgt Ion: 78 Resp: 3156
Ion Ratio Lower Upper
78 100
77 28.7 19.0 28.6#



#43
Isopropyl Acetate
Concen: 3.999 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 43 Resp: 9595
Ion Ratio Lower Upper
43 100
61 15.7 14.1 21.1
87 10.6 9.2 13.8

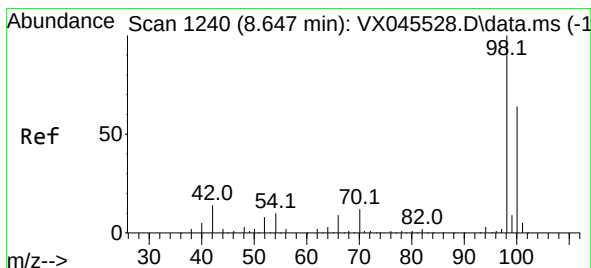
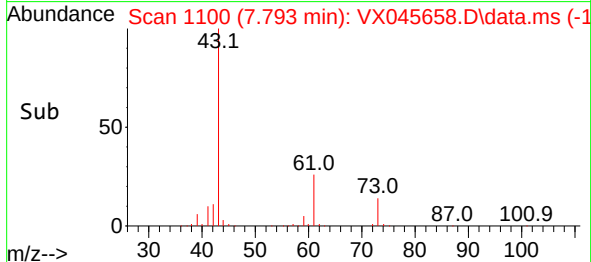
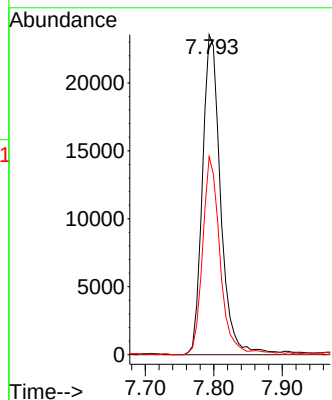
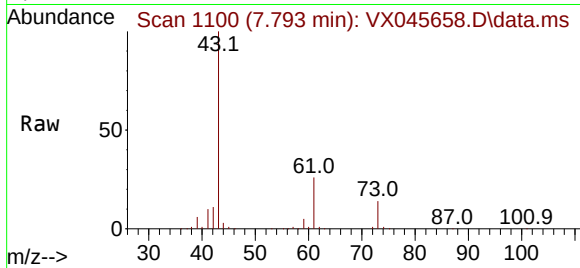




#48
Methyl methacrylate
Concen: 35.058 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

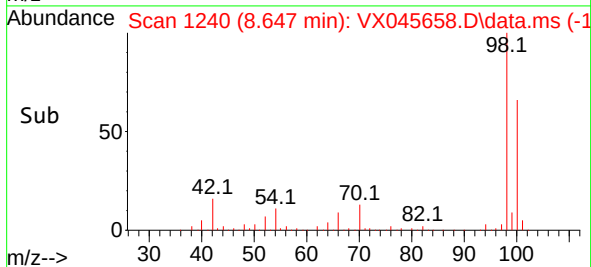
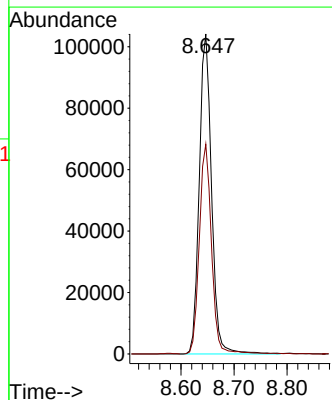
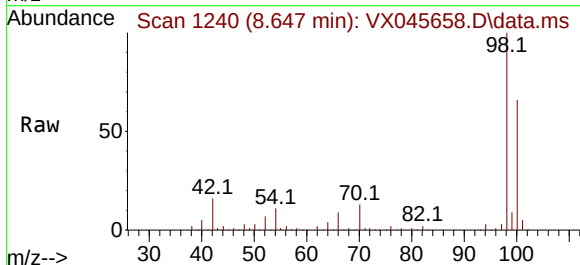
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

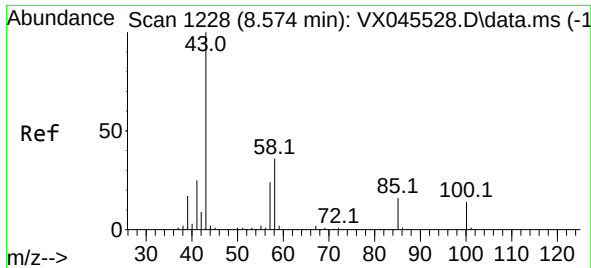
Tgt Ion: 41 Resp: 43432
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.7 53.6 80.4



#50
Toluene-d8
Concen: 51.617 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 98 Resp: 167623
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

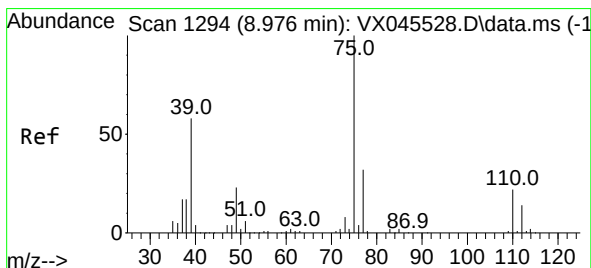
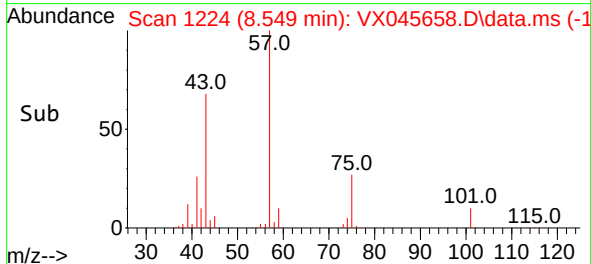
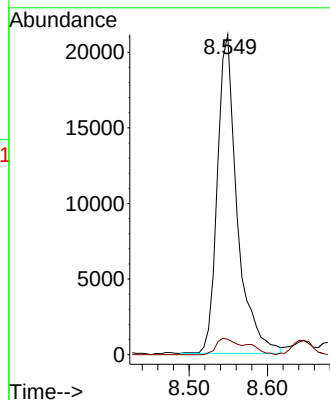
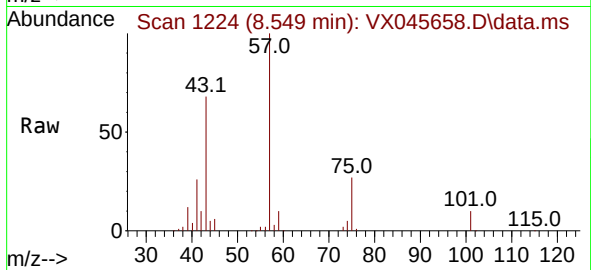




#51
4-Methyl-2-Pentanone
Concen: 23.328 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

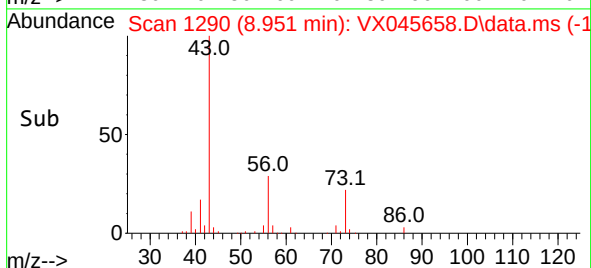
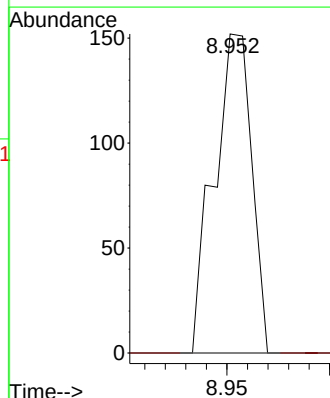
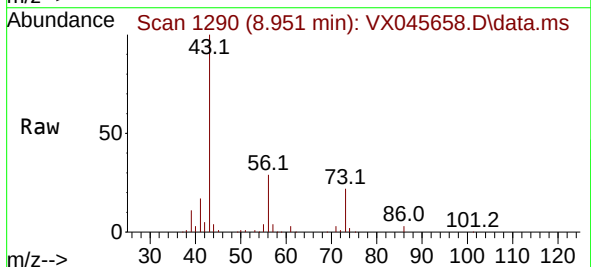
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

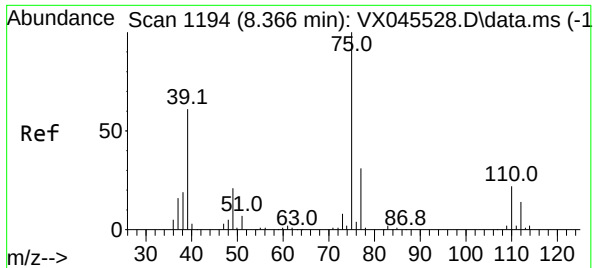
Tgt Ion: 43 Resp: 37106
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.421 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 75 Resp: 195
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

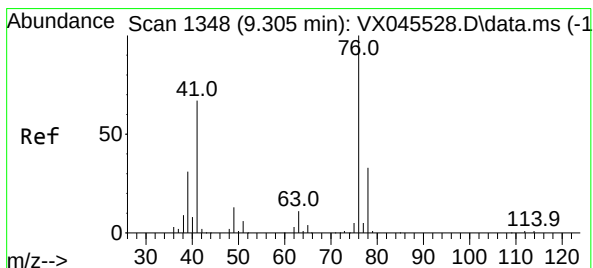
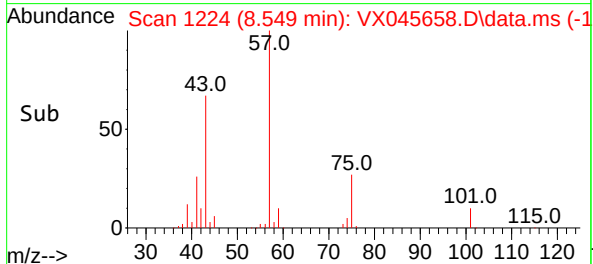
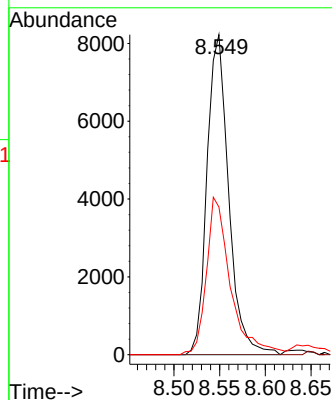
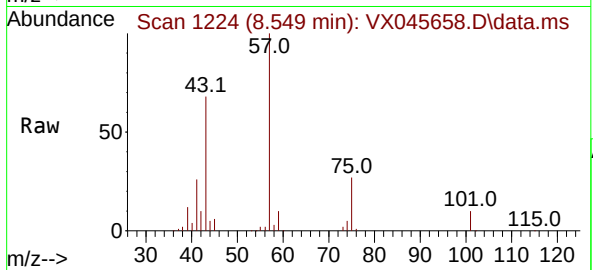




#54
 cis-1,3-Dichloropropene
 Concen: 9.805 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045658.D
 Acq: 08 Apr 2025 17:31

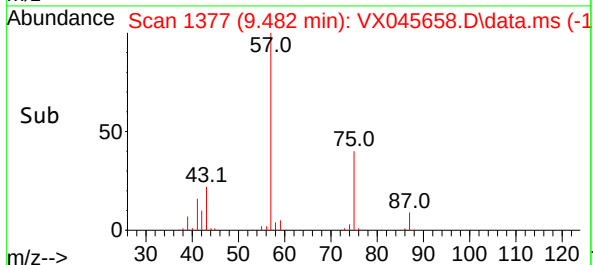
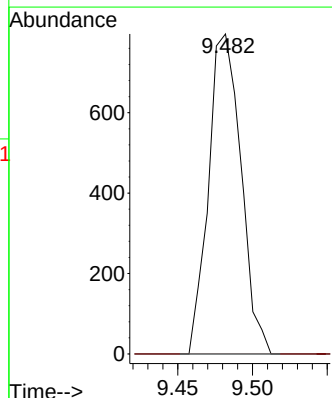
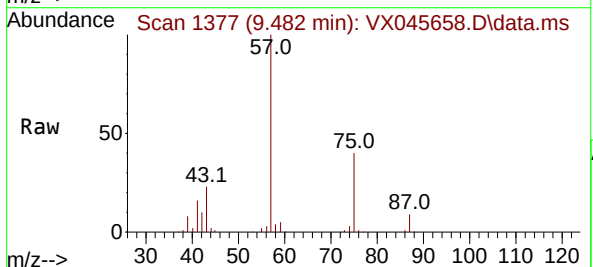
Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6.5-WC

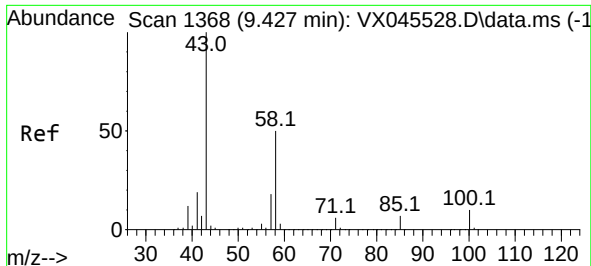
Tgt Ion: 75 Resp: 13522
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 46.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.747 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045658.D
 Acq: 08 Apr 2025 17:31

Tgt Ion: 76 Resp: 1203
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

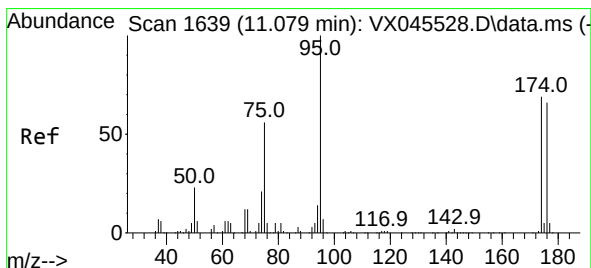
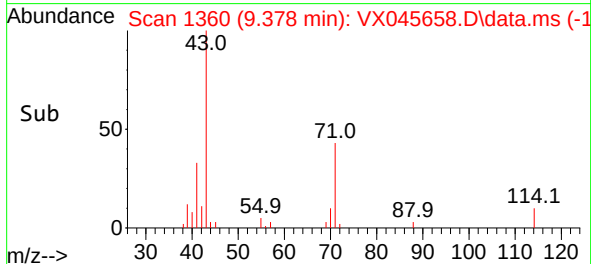
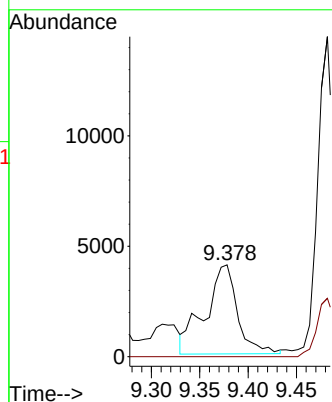
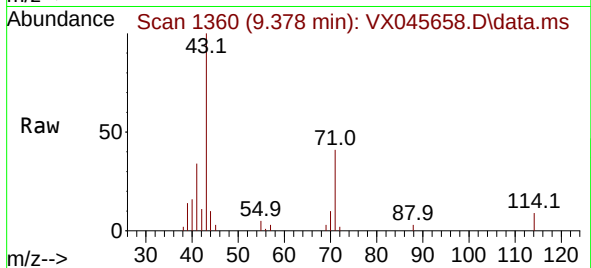




#59
2-Hexanone
Concen: 7.963 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

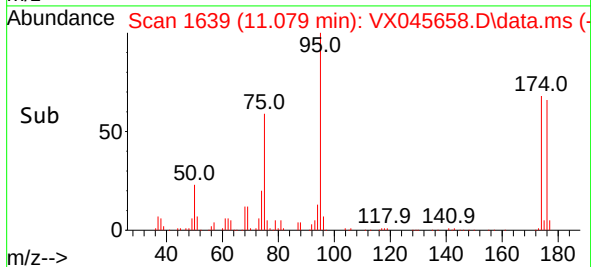
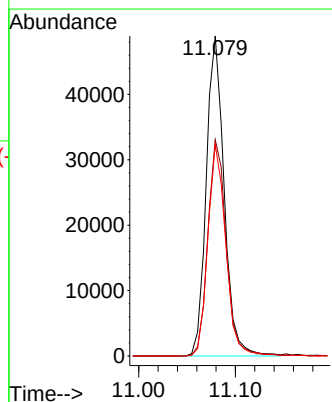
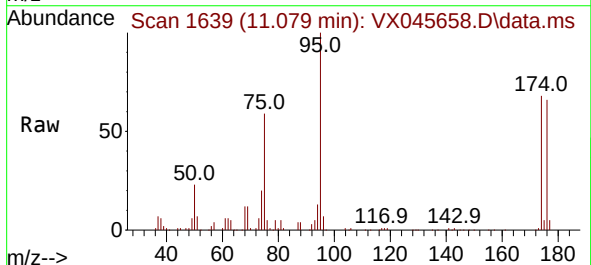
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

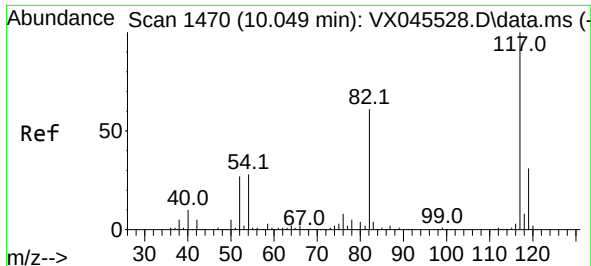
Tgt Ion: 43 Resp: 9380
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion: 95 Resp: 63055
Ion Ratio Lower Upper
95 100
174 69.1 0.0 135.8
176 66.4 0.0 131.4

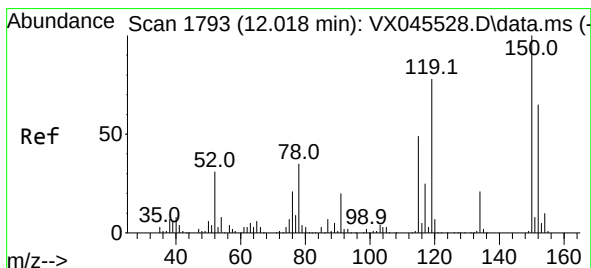
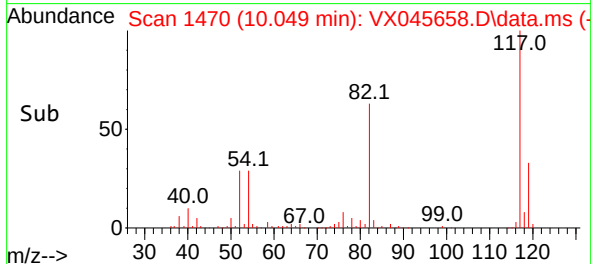
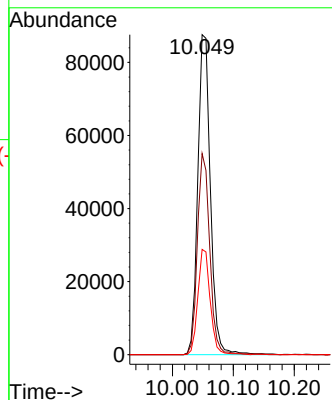
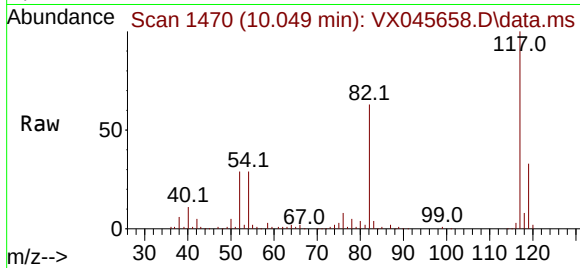




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

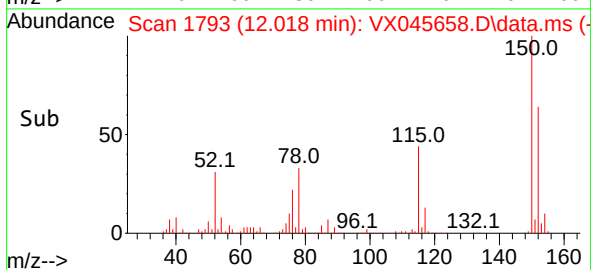
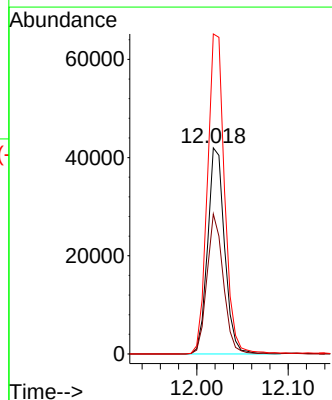
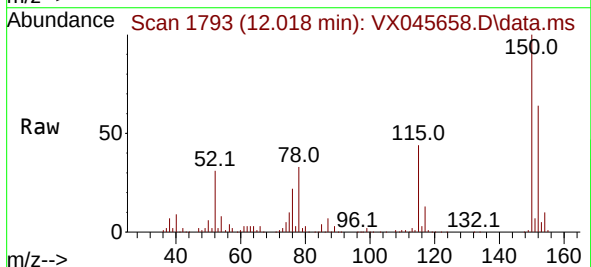
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

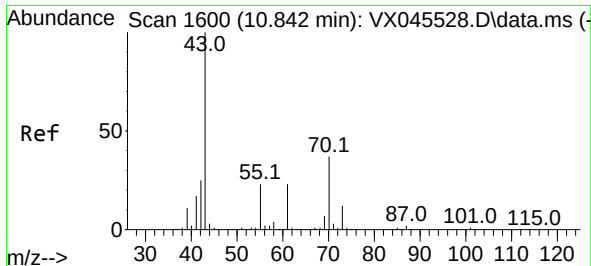
Tgt Ion:117 Resp: 125823
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion:152 Resp: 54135
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 157.1 0.0 349.4

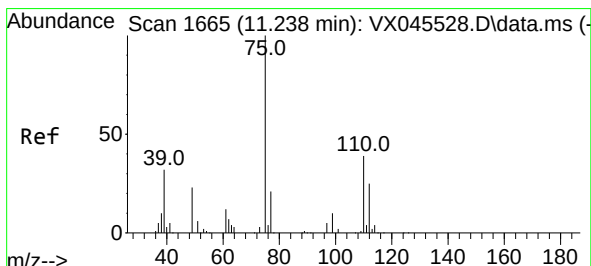
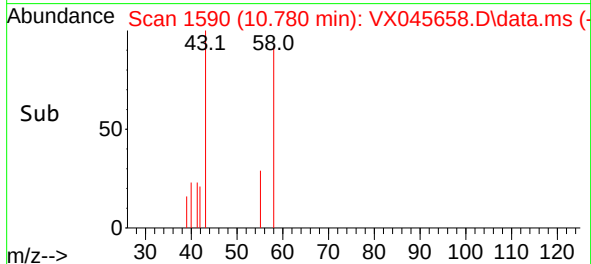
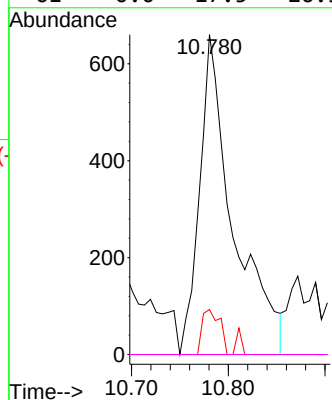
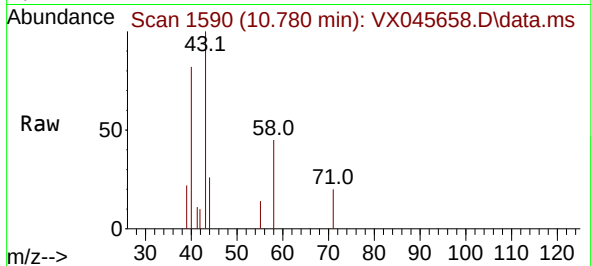




#74
N-amy1 acetate
Concen: 0.768 ug/l
RT: 10.780 min Scan# 1592
Delta R.T. -0.061 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

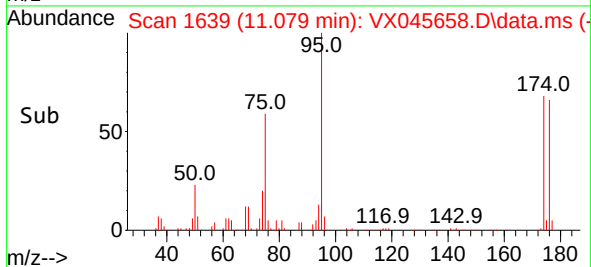
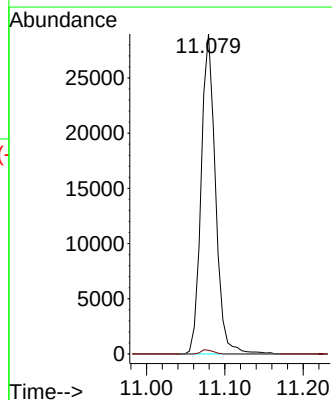
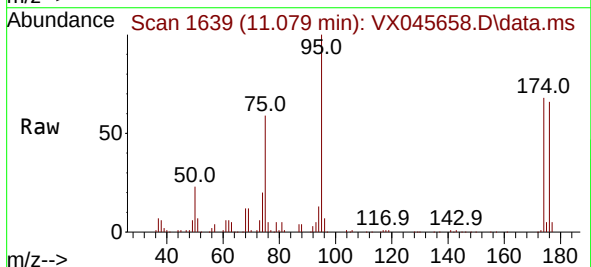
Instrument :
MSVOA_X
ClientSampleId :
IB-6.5-WC

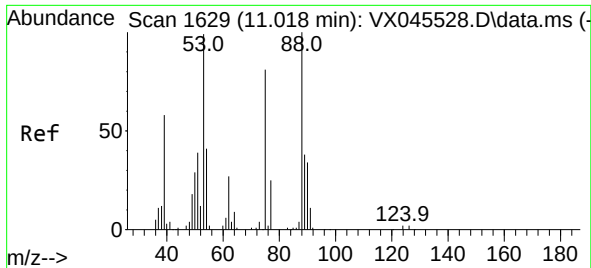
Tgt Ion:	43	Resp:	1592
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	7.4	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 27.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045658.D
Acq: 08 Apr 2025 17:31

Tgt Ion:	75	Resp:	36962
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.999 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045658.D
 Acq: 08 Apr 2025 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6.5-WC

Tgt Ion: 75 Resp: 36962
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

