

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045655.D
 Acq On : 08 Apr 2025 16:21
 Operator : JC/MD
 Sample : Q1745-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6A-WC

Quant Time: Apr 09 01:41:21 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)

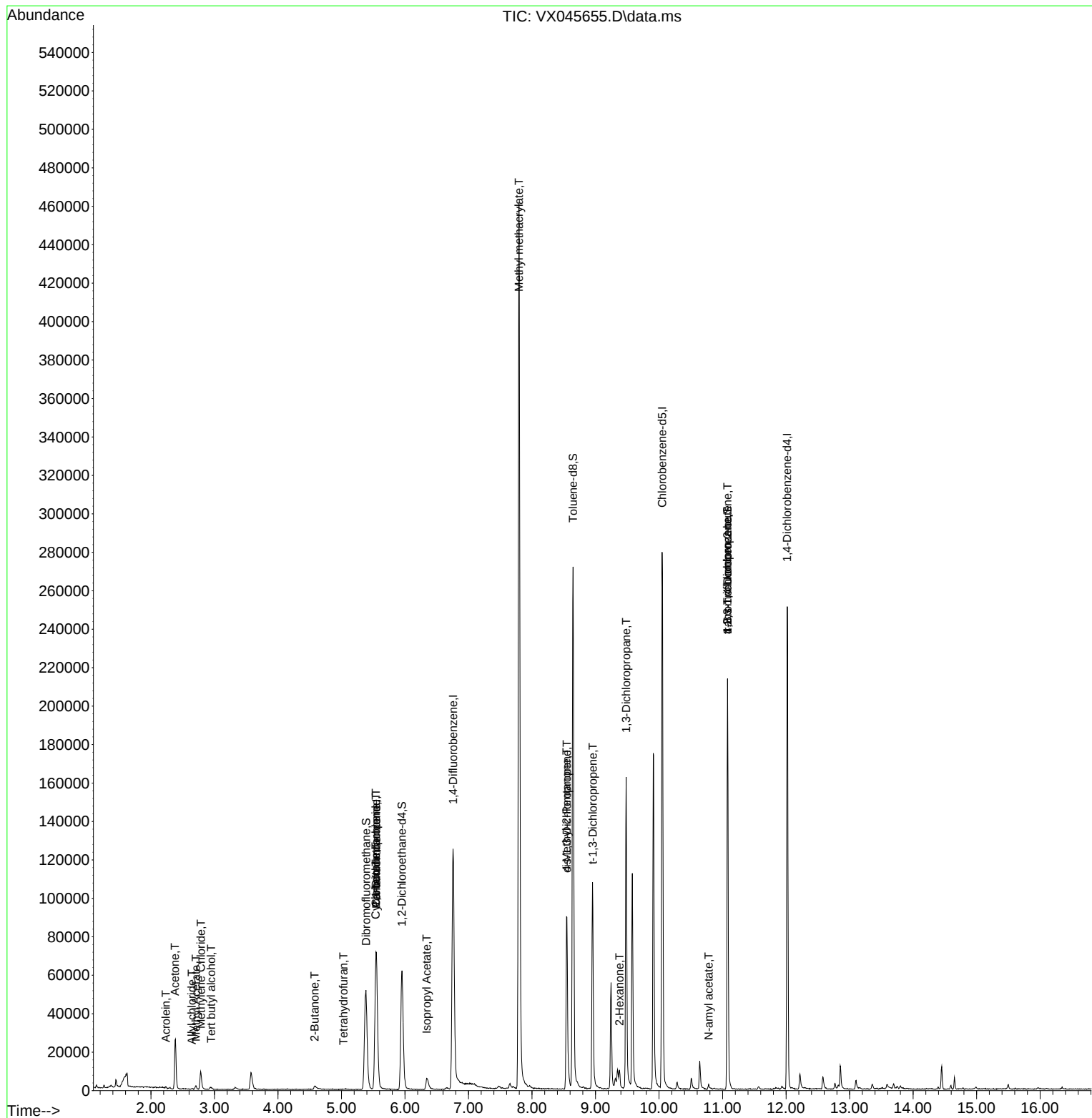
Internal Standards						
1) Pentafluorobenzene	5.550	168	61215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63067	56.337	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.680%
35) Dibromofluoromethane	5.385	113	44521	51.031	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.060%
50) Toluene-d8	8.647	98	154694	50.800	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.600%
62) 4-Bromofluorobenzene	11.079	95	56335	50.789	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	620	4.121	ug/l #	72
13) Acrolein	2.233	56	122	0.589	ug/l #	58
14) Allyl chloride	2.642	41	322	0.231	ug/l #	57
16) Acetone	2.380	43	29032	63.157	ug/l	95
18) Methyl Acetate	2.709	43	2545	2.405	ug/l	93
20) Methylene Chloride	2.788	84	4334	5.036	ug/l	83
25) 2-Butanone	4.574	43	3880	5.766	ug/l	96
29) Tetrahydrofuran	5.032	42	111	0.254	ug/l #	35
31) Cyclohexane	5.538	56	1843	1.342	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	6173	5.240	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7172	5.634	ug/l #	17
43) Isopropyl Acetate	6.342	43	9235	4.105	ug/l	98
48) Methyl methacrylate	7.793	41	45674	39.317	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	37441	25.103	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	243	2.464	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14171	10.958	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1423	0.942	ug/l #	42
59) 2-Hexanone	9.378	43	5931	5.370	ug/l #	28
74) N-amyl acetate	10.781	43	1618	0.908	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	32059	28.257	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32059	95.902	ug/l #	1

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

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Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

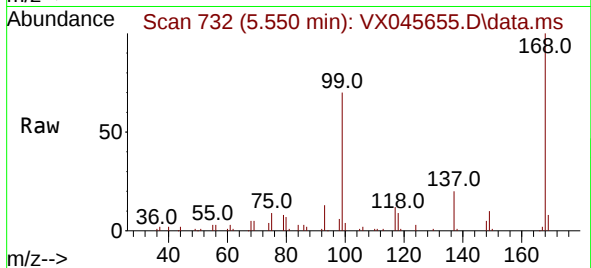
Quant Time: Apr 09 01:41:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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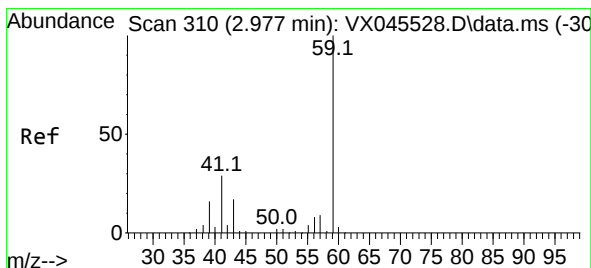
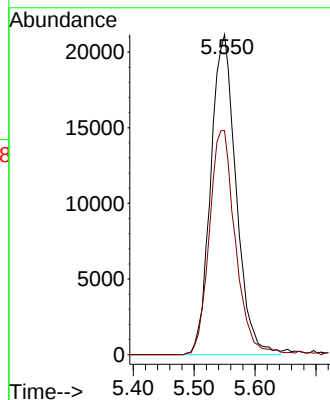
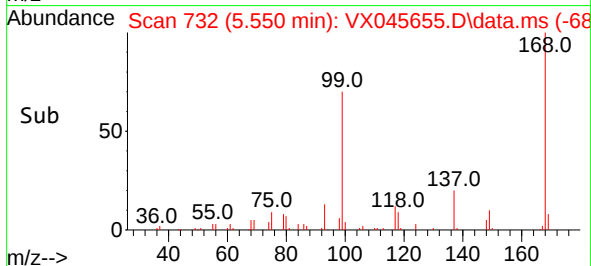


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

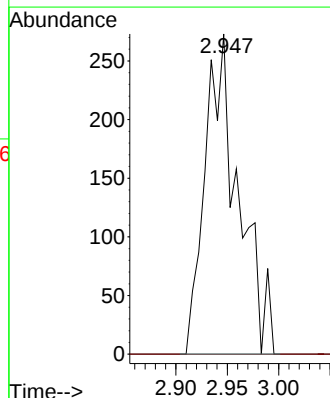
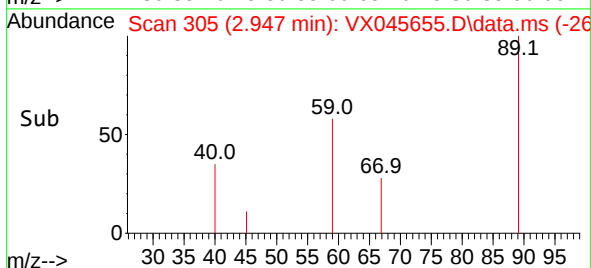
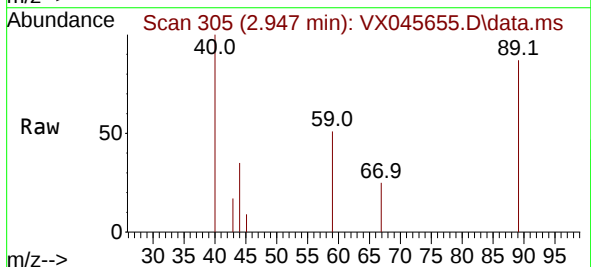


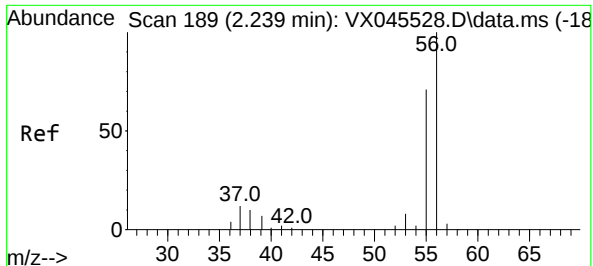
Tgt Ion:168 Resp: 61215
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.121 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion: 59 Resp: 620
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

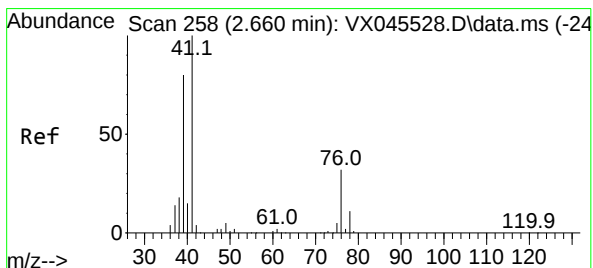
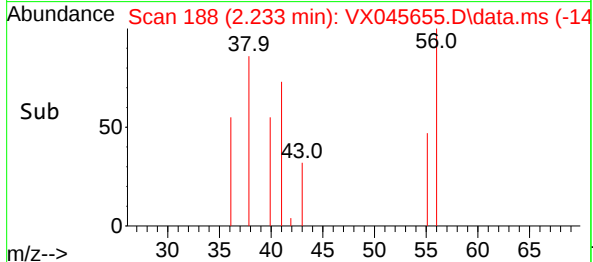
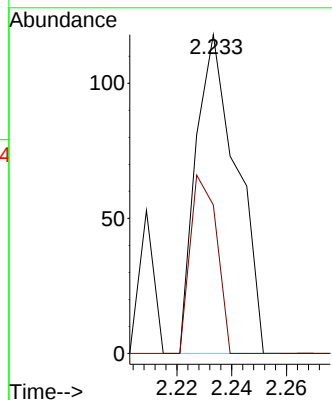
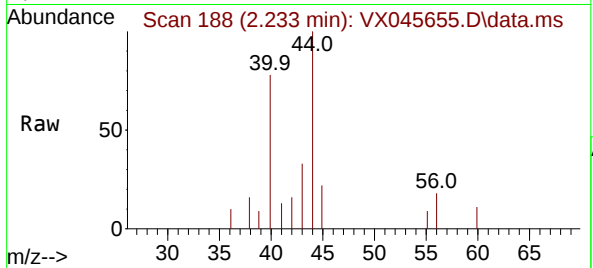




#13
Acrolein
Concen: 0.589 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

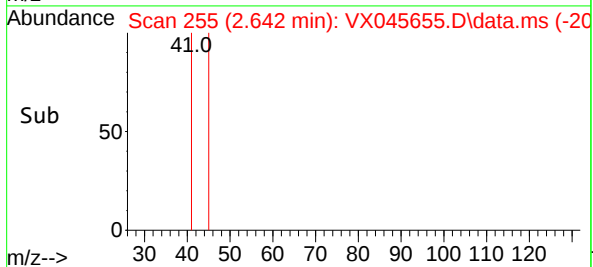
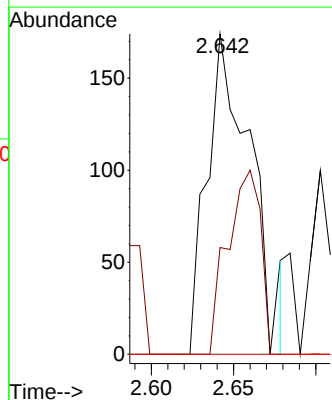
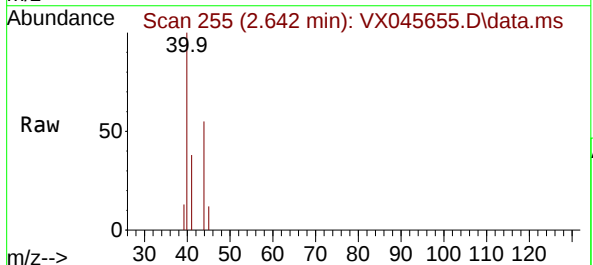
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

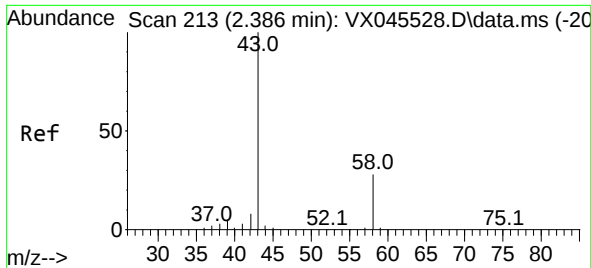
Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 36.1 56.2 84.2#



#14
Allyl chloride
Concen: 0.231 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.018 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
39 43.5 60.2 90.2#
76 0.0 24.6 36.8#

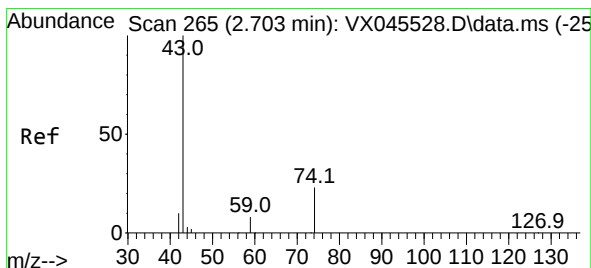
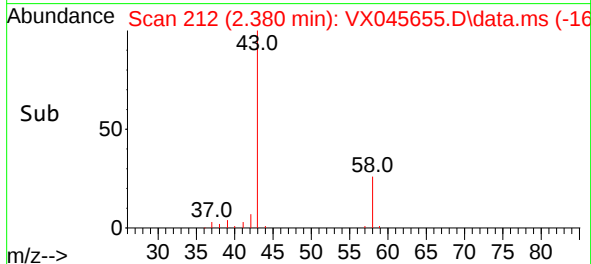
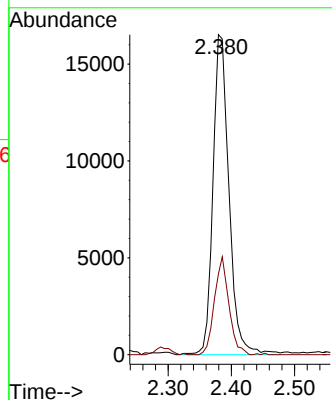
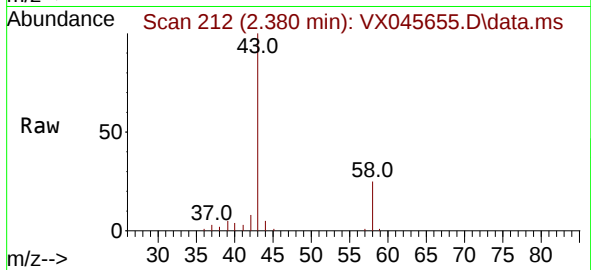




#16
Acetone
Concen: 63.157 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

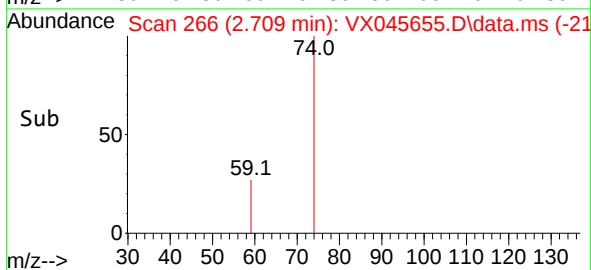
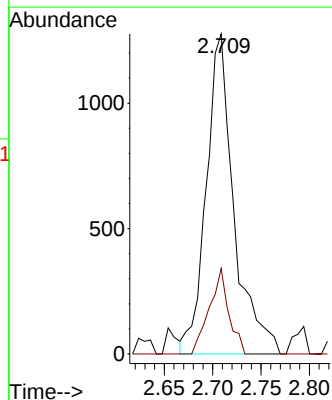
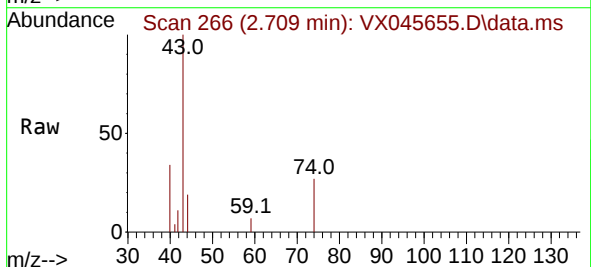
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

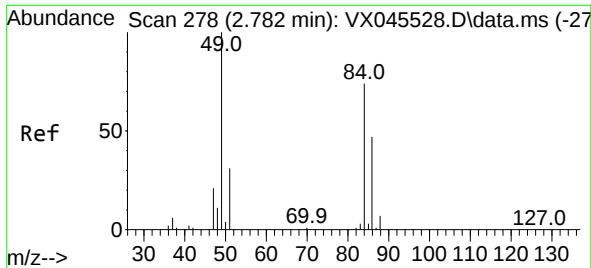
Tgt Ion: 43 Resp: 29032
Ion Ratio Lower Upper
43 100
58 25.3 22.3 33.5



#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
74 18.7 17.5 26.3

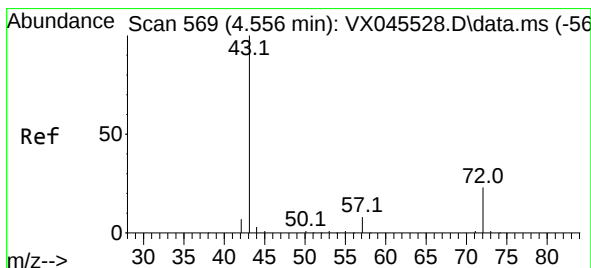
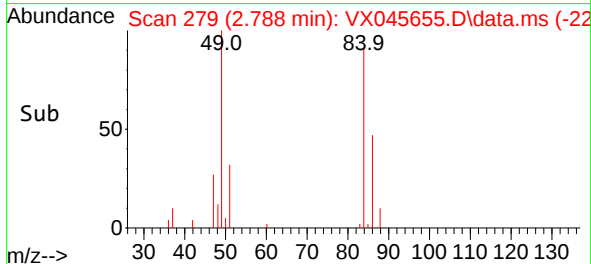
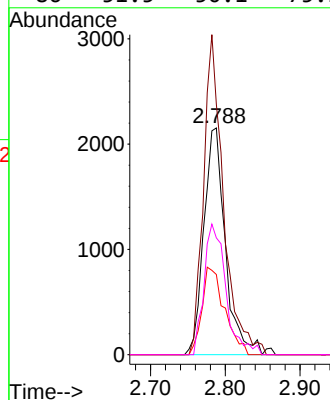
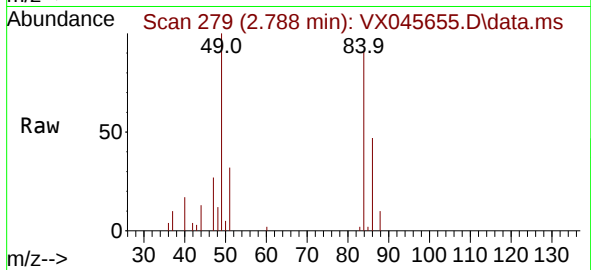




#20
Methylene Chloride
Concen: 5.036 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

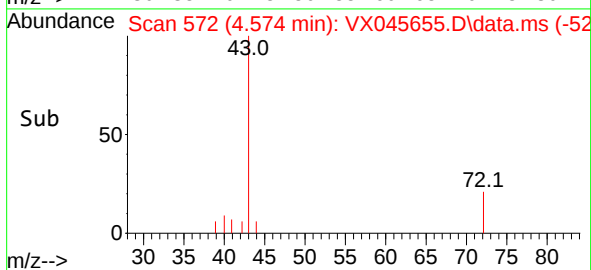
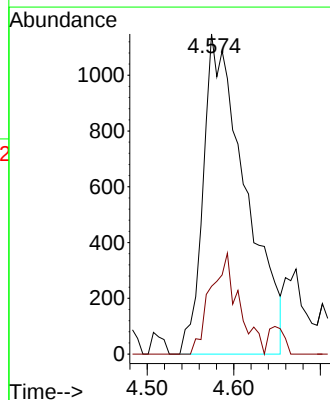
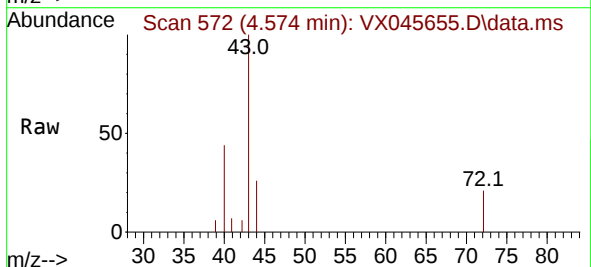
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

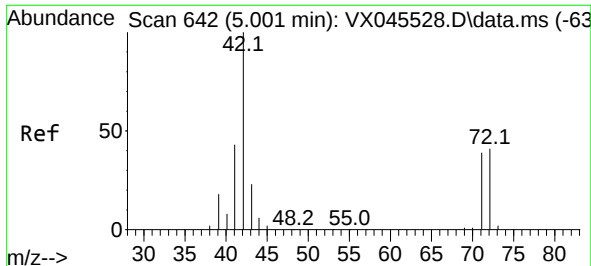
Tgt Ion: 84	Resp: 4334		
Ion	Ratio	Lower	Upper
84	100		
49	110.4	107.5	161.3
51	35.3	33.0	49.6
86	51.5	50.1	75.1



#25
2-Butanone
Concen: 5.766 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion: 43	Resp: 3880		
Ion Ratio	Lower	Upper	
43 100			
72 21.2	18.6	28.0	





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

IB-6A-WC

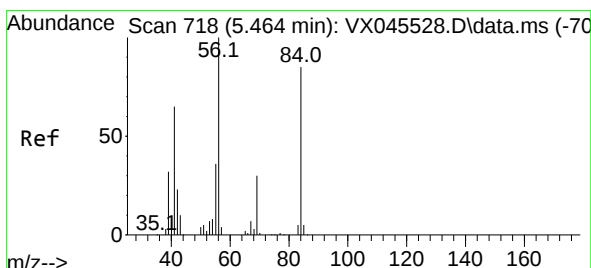
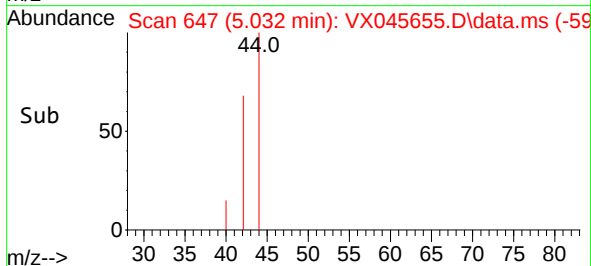
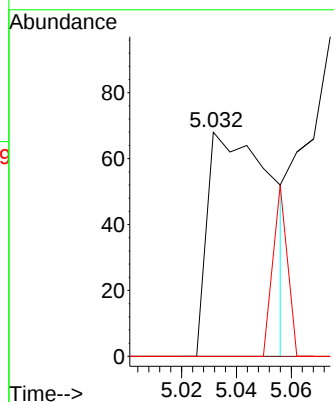
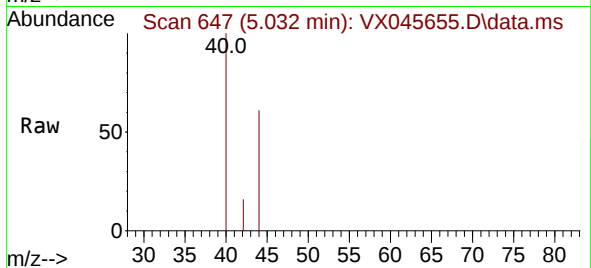
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

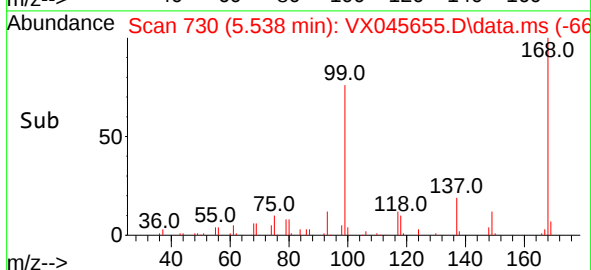
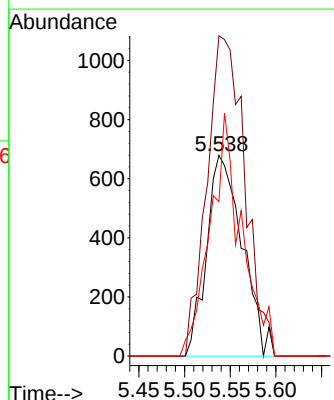
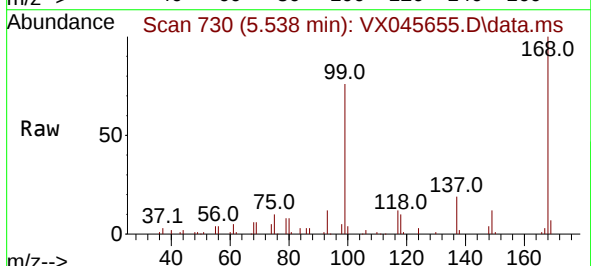
Tgt Ion: 56 Resp: 1843

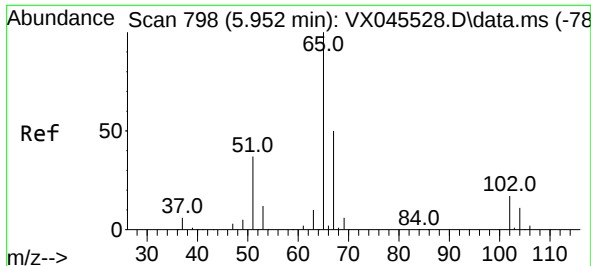
Ion Ratio Lower Upper

56 100

69 159.5 23.6 35.4#

84 77.0 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 56.337 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

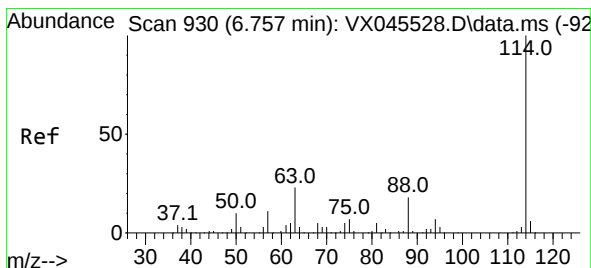
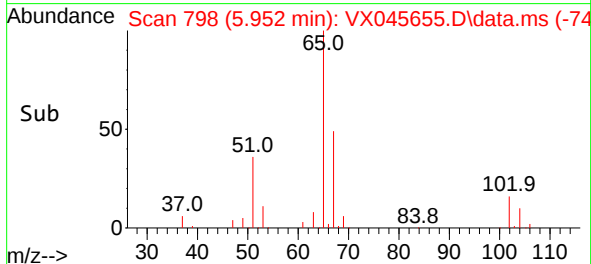
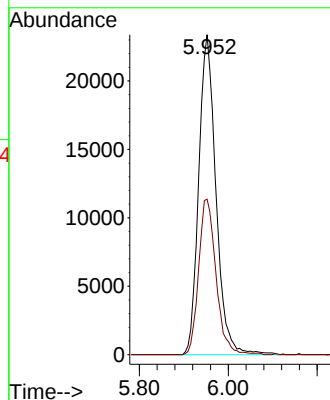
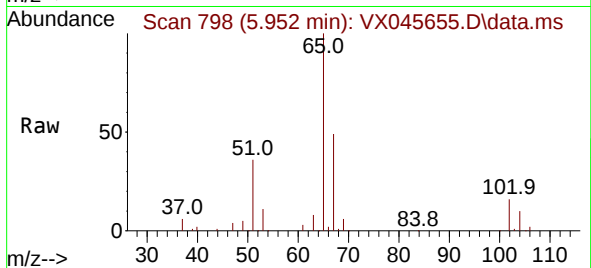
IB-6A-WC

Tgt Ion: 65 Resp: 63067

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: VX045655.D

Acq: 08 Apr 2025 16:21

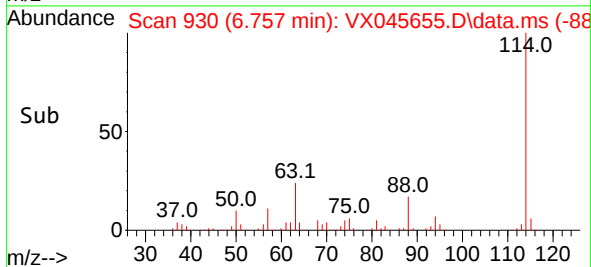
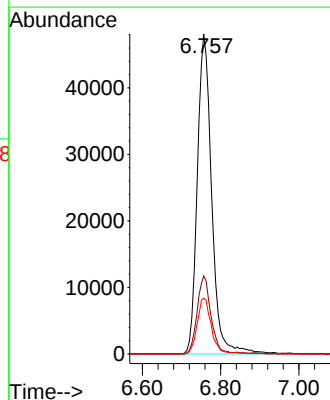
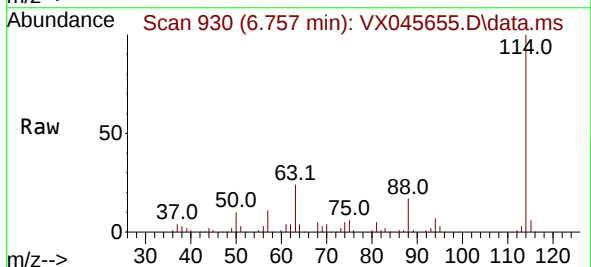
Tgt Ion: 114 Resp: 122965

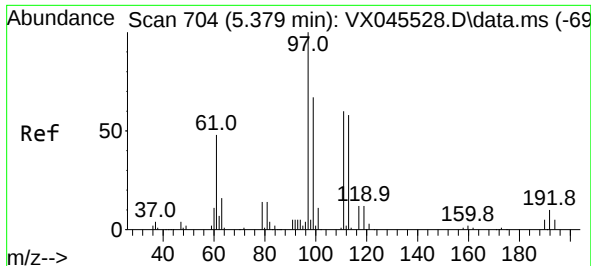
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

88 17.4 0.0 35.4

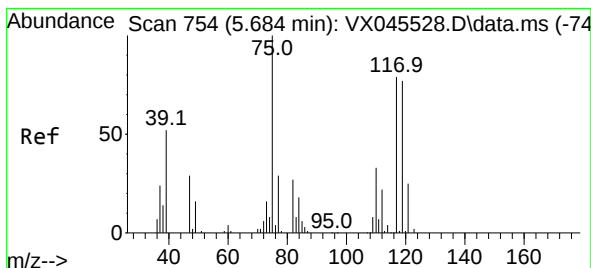
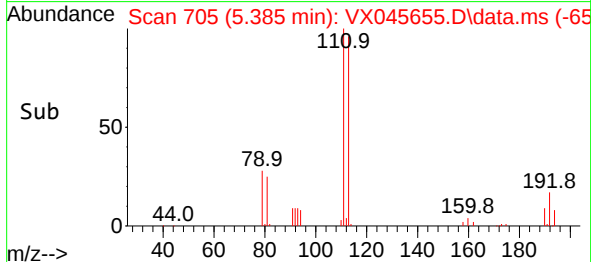
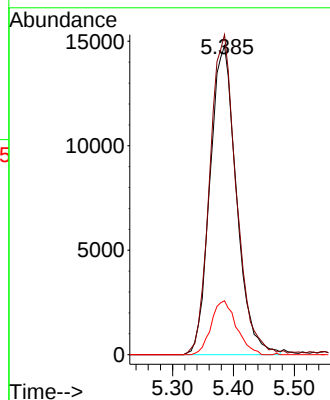
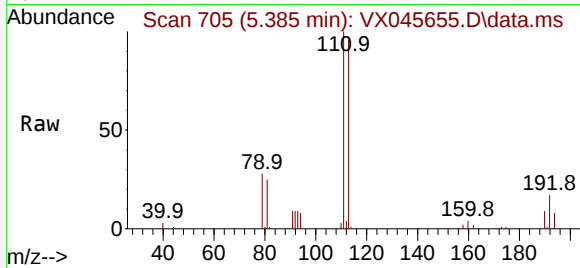




#35
Dibromofluoromethane
Concen: 51.031 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

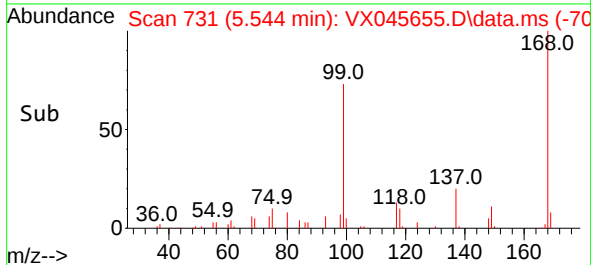
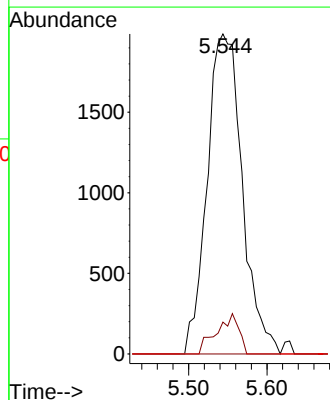
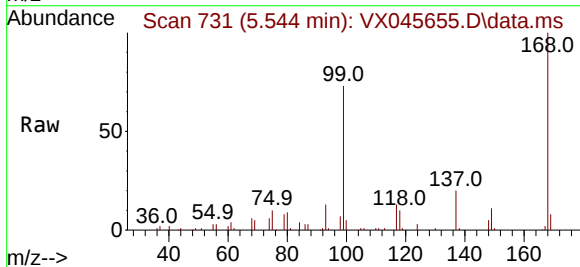
Instrument :
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IB-6A-WC

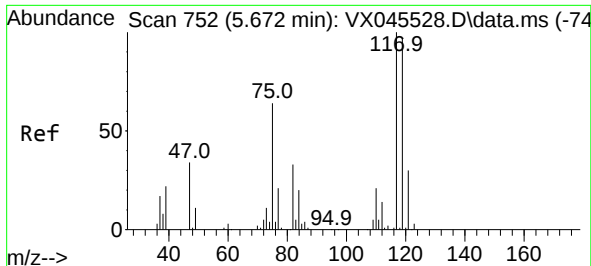
Tgt Ion:113 Resp: 44521
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.240 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

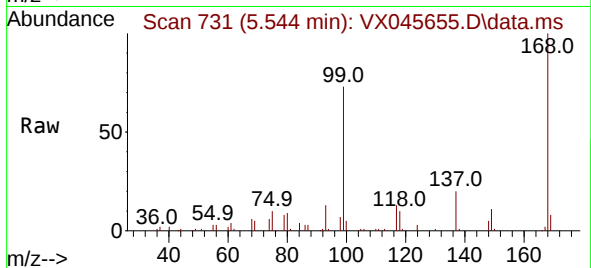
Tgt Ion: 75 Resp: 6173
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



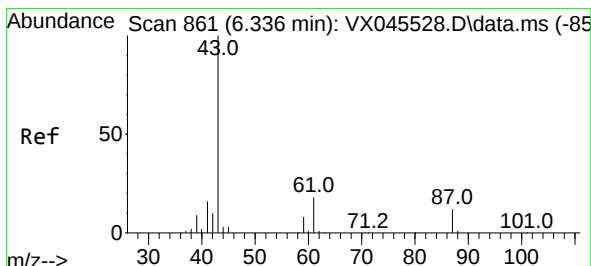
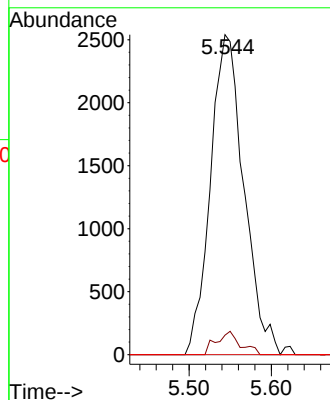
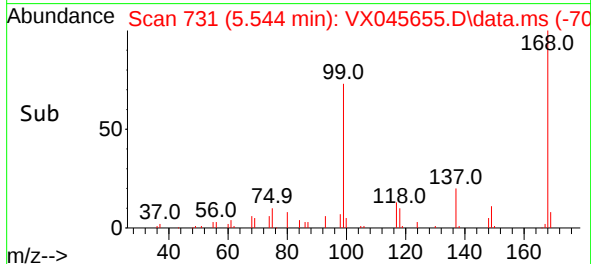


#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

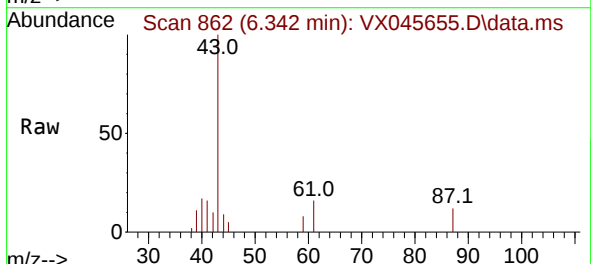
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC



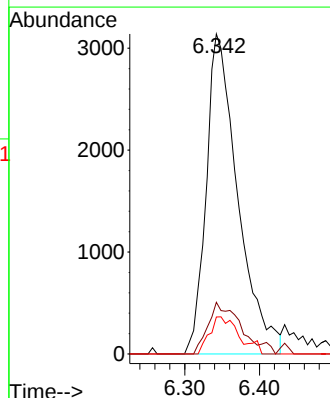
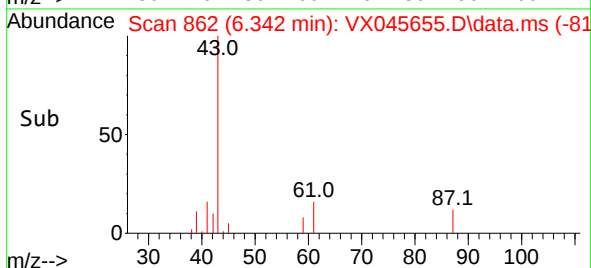
Tgt Ion:117 Resp: 7172
Ion Ratio Lower Upper
117 100
119 6.1 76.9 115.3#
121 0.0 24.2 36.2#

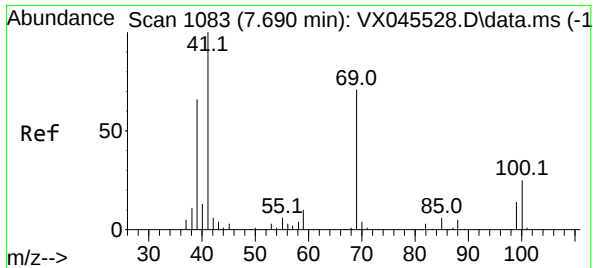


#43
Isopropyl Acetate
Concen: 4.105 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21



Tgt Ion: 43 Resp: 9235
Ion Ratio Lower Upper
43 100
61 16.8 14.1 21.1
87 10.8 9.2 13.8

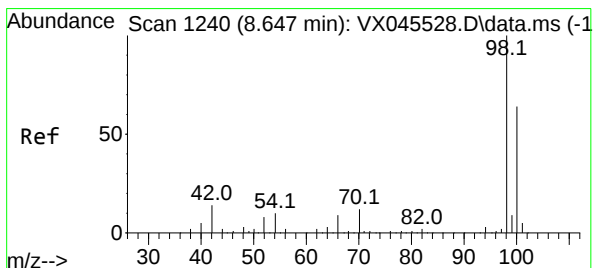
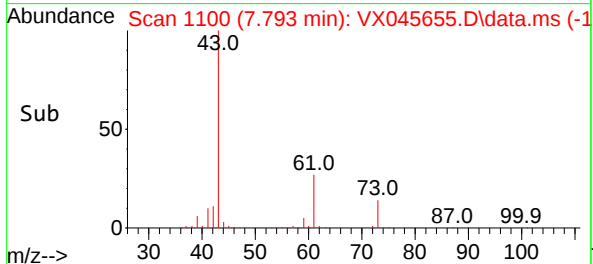
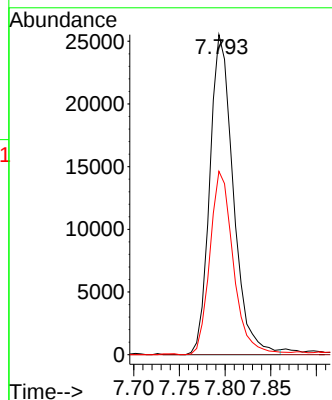
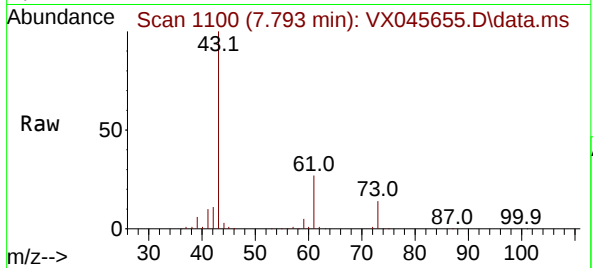




#48
Methyl methacrylate
Concen: 39.317 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

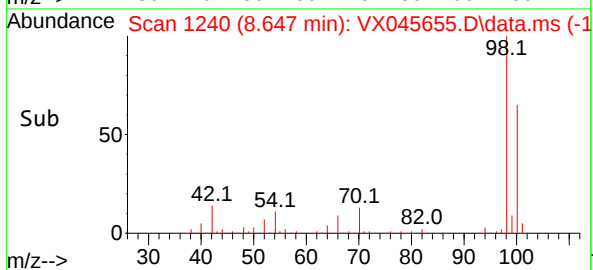
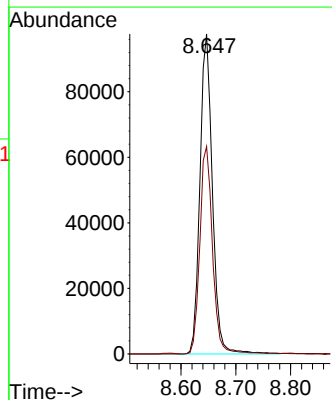
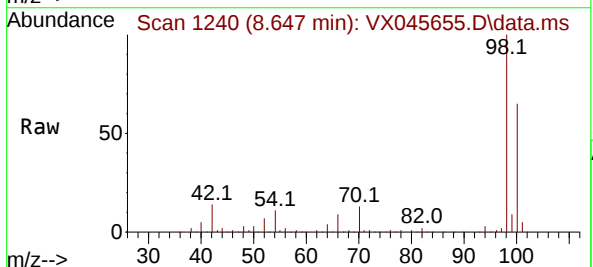
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

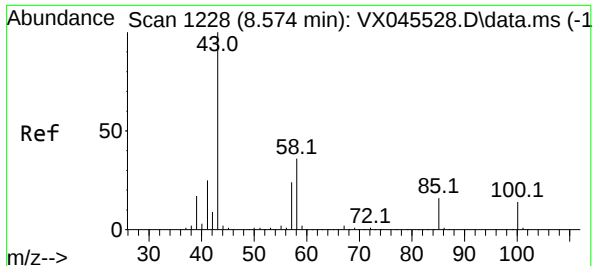
Tgt Ion: 41 Resp: 45674
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.5 53.6 80.4



#50
Toluene-d8
Concen: 50.800 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion: 98 Resp: 154694
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 25.103 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

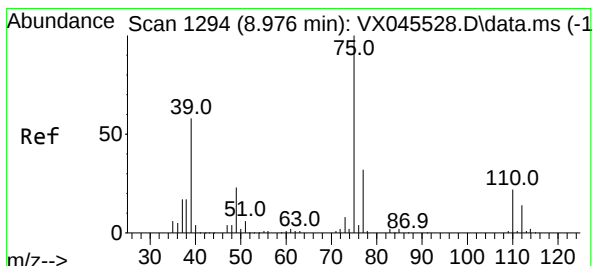
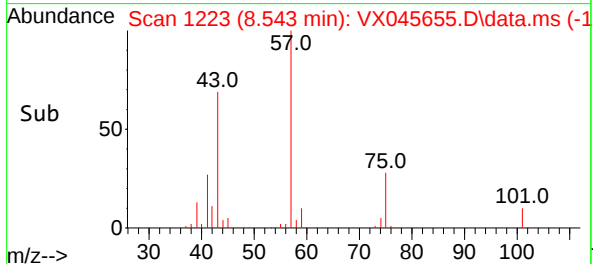
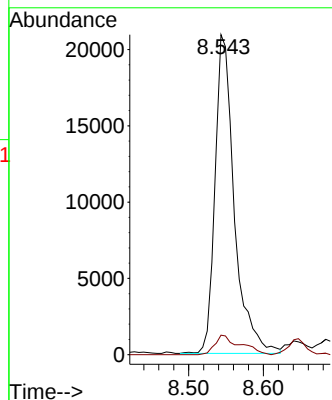
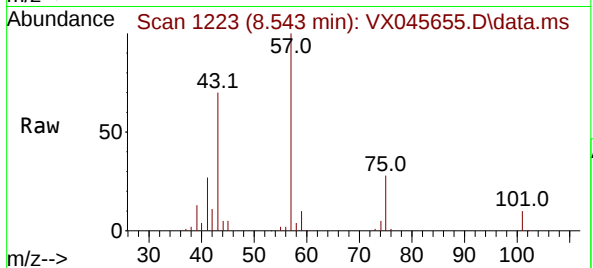
IB-6A-WC

Tgt Ion: 43 Resp: 37441

Ion Ratio Lower Upper

43 100

58 8.1 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.464 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX045655.D

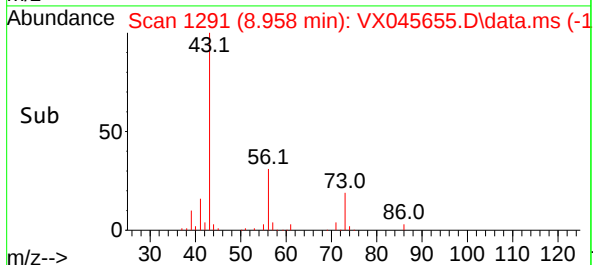
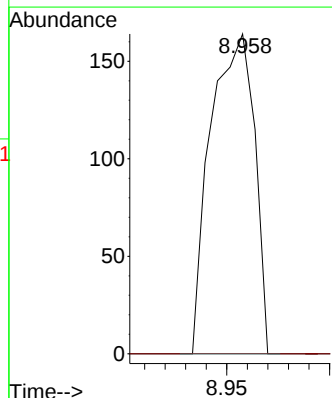
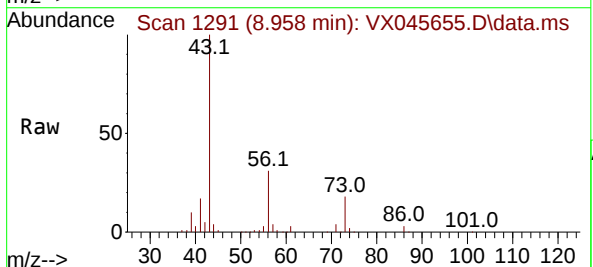
Acq: 08 Apr 2025 16:21

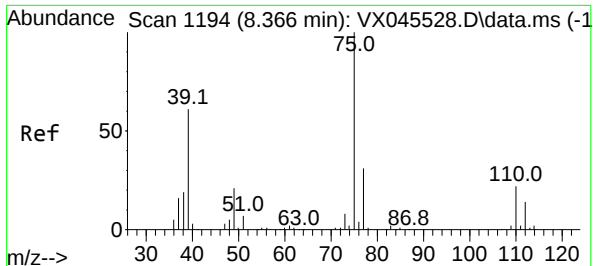
Tgt Ion: 75 Resp: 243

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

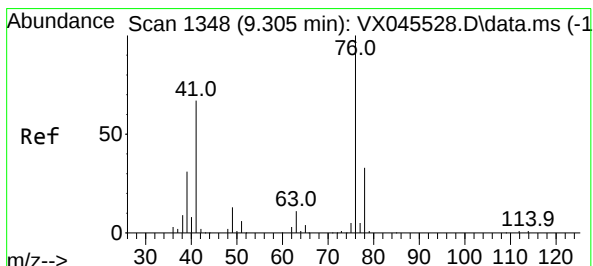
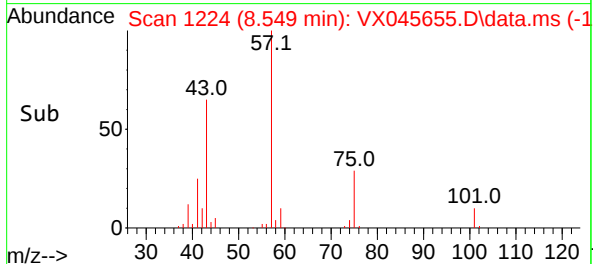
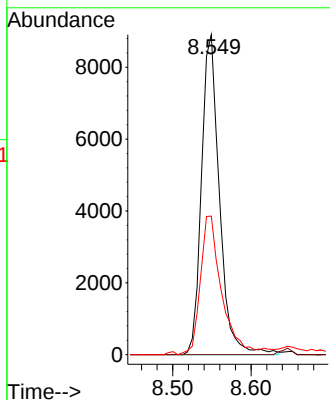
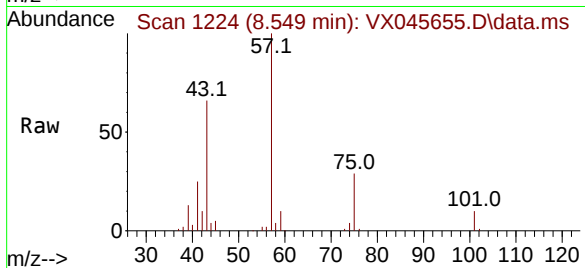




#54
 cis-1,3-Dichloropropene
 Concen: 10.958 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045655.D
 Acq: 08 Apr 2025 16:21

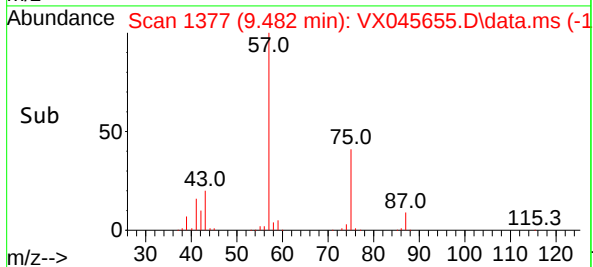
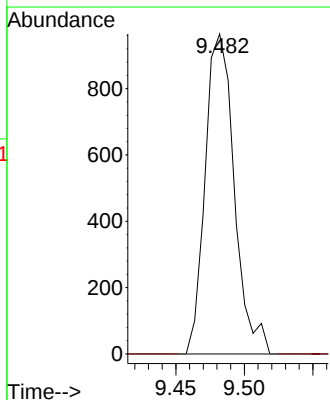
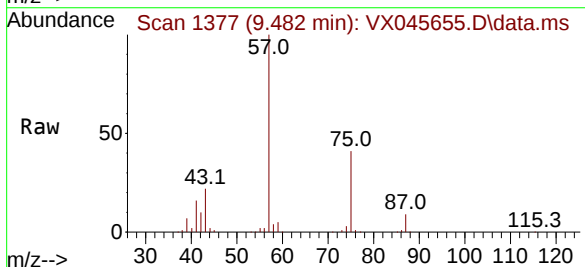
Instrument :
 MSVOA_X
 ClientSampleId :
 IB-6A-WC

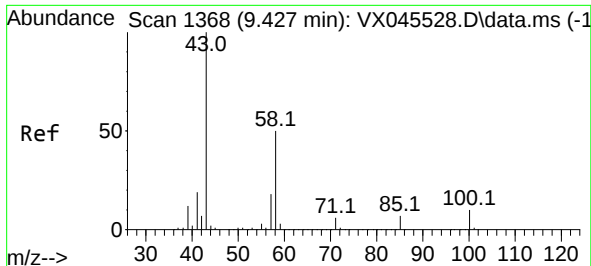
Tgt Ion: 75 Resp: 14171
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.3 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.942 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045655.D
 Acq: 08 Apr 2025 16:21

Tgt Ion: 76 Resp: 1423
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 5.370 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

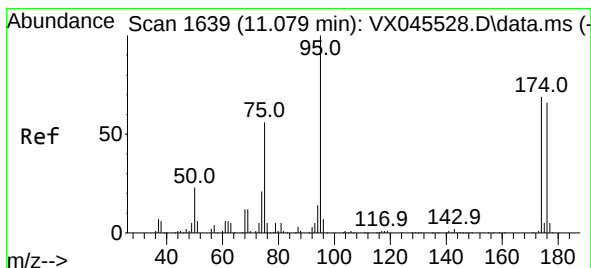
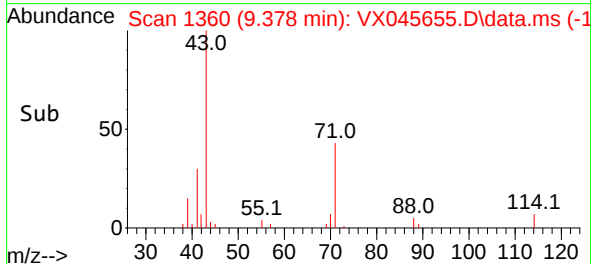
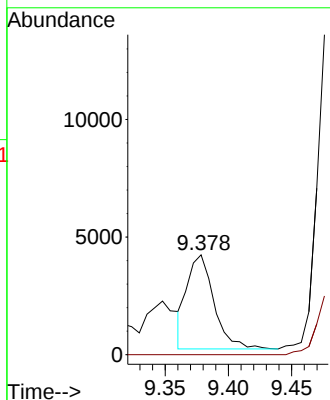
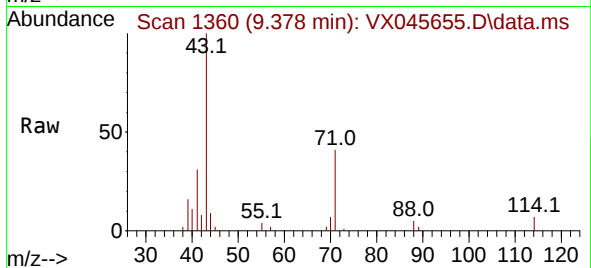
IB-6A-WC

Tgt Ion: 43 Resp: 5931

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 50.789 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

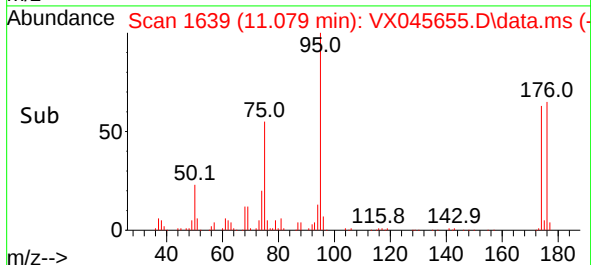
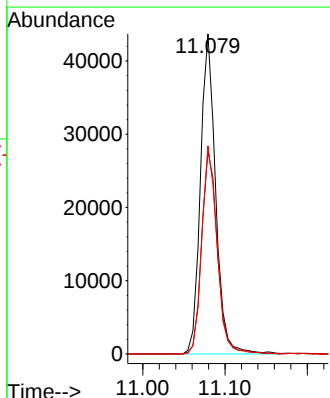
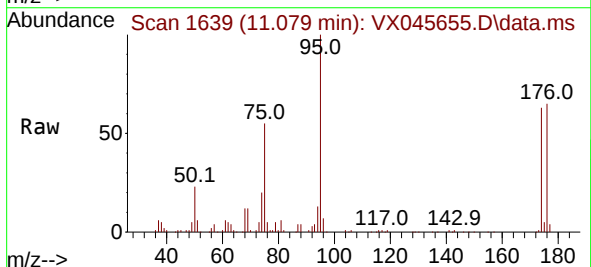
Tgt Ion: 95 Resp: 56335

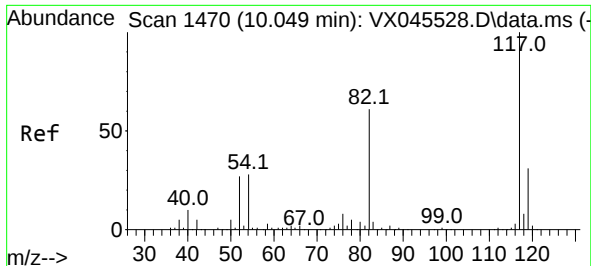
Ion Ratio Lower Upper

95 100

174 65.8 0.0 135.8

176 65.3 0.0 131.4

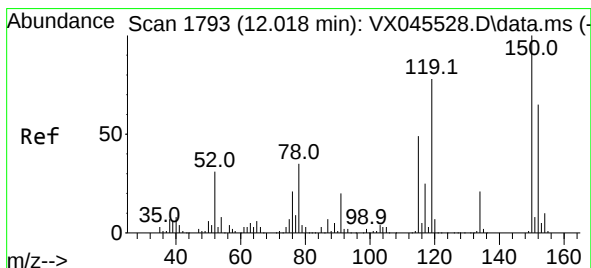
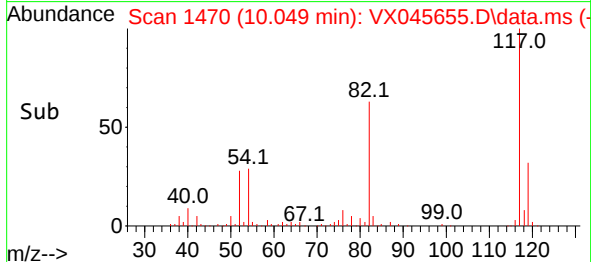
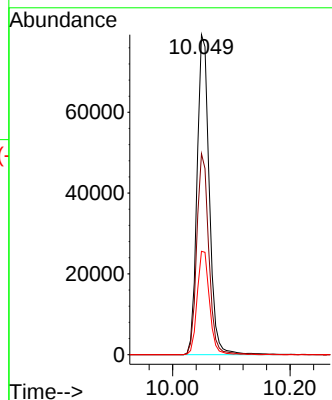
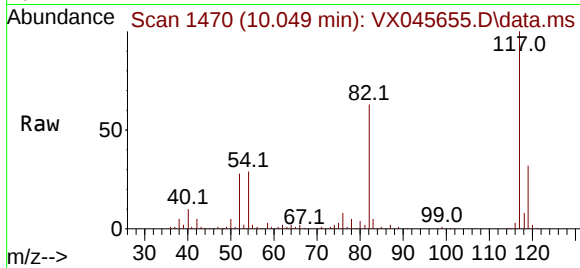




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

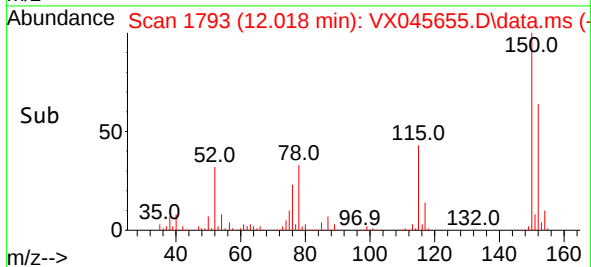
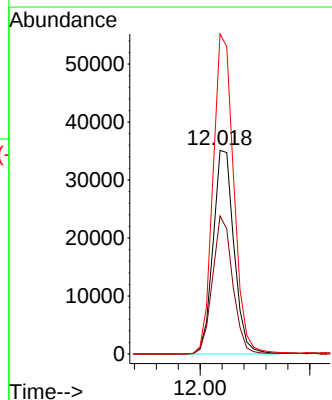
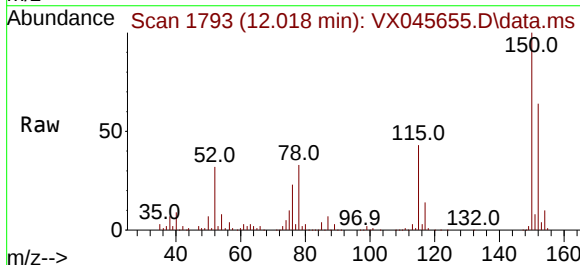
Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

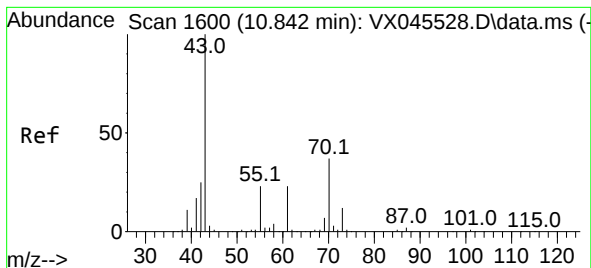
Tgt Ion:117 Resp: 114251
Ion Ratio Lower Upper
117 100
82 62.8 49.2 73.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Tgt Ion:152 Resp: 46512
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 156.2 0.0 349.4





#74

N-amy1 acetate

Concen: 0.908 ug/l

RT: 10.781 min Scan# 1618

Delta R.T. -0.061 min

Lab File: VX045655.D

Acq: 08 Apr 2025 16:21

Instrument :

MSVOA_X

ClientSampleId :

IB-6A-WC

Tgt Ion: 43 Resp: 1618

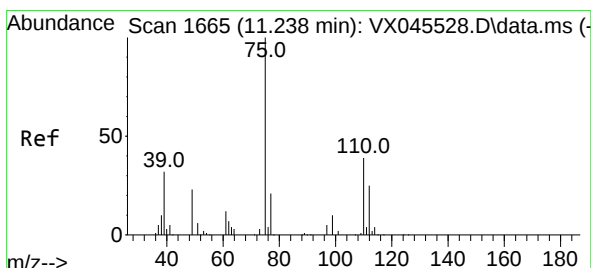
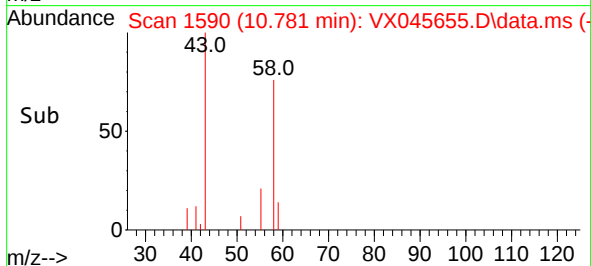
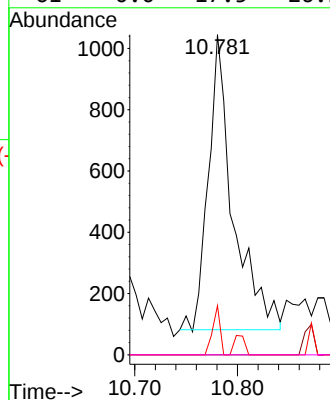
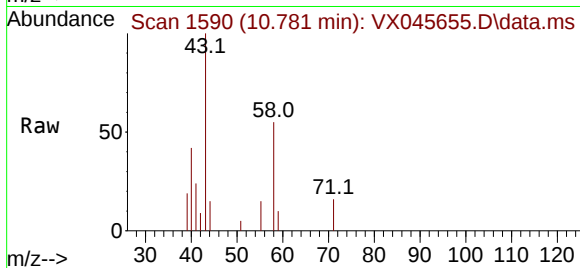
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 5.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 28.257 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045655.D

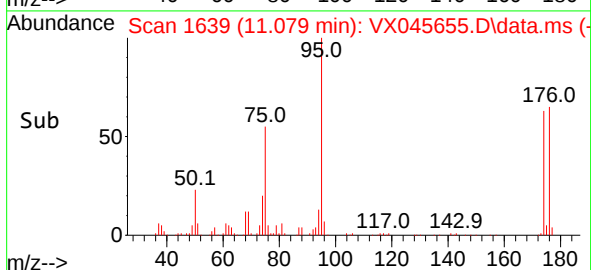
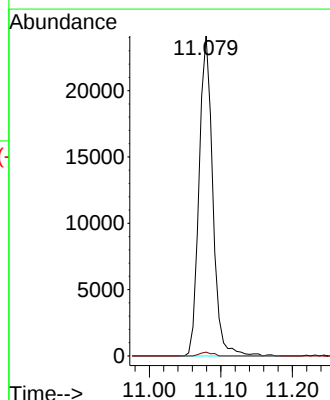
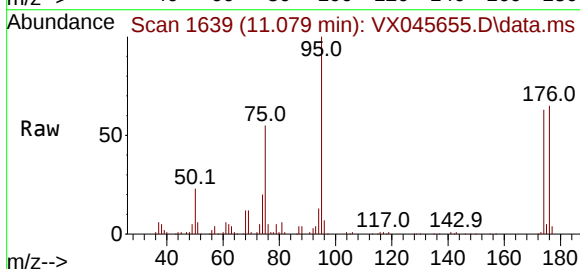
Acq: 08 Apr 2025 16:21

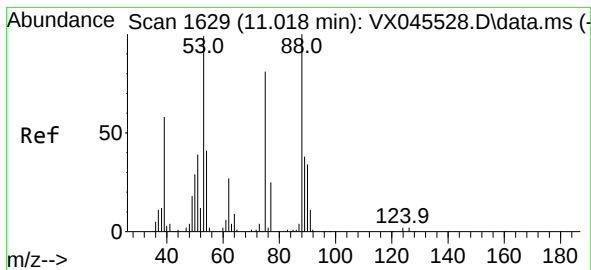
Tgt Ion: 75 Resp: 32059

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.902 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045655.D
Acq: 08 Apr 2025 16:21

Instrument :
MSVOA_X
ClientSampleId :
IB-6A-WC

Tgt Ion: 75 Resp: 32059
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

