

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045692.D
 Acq On : 10 Apr 2025 12:40
 Operator : JC/MD
 Sample : Q1748-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IB-2A-WC

Quant Time: Apr 11 01:55:05 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)

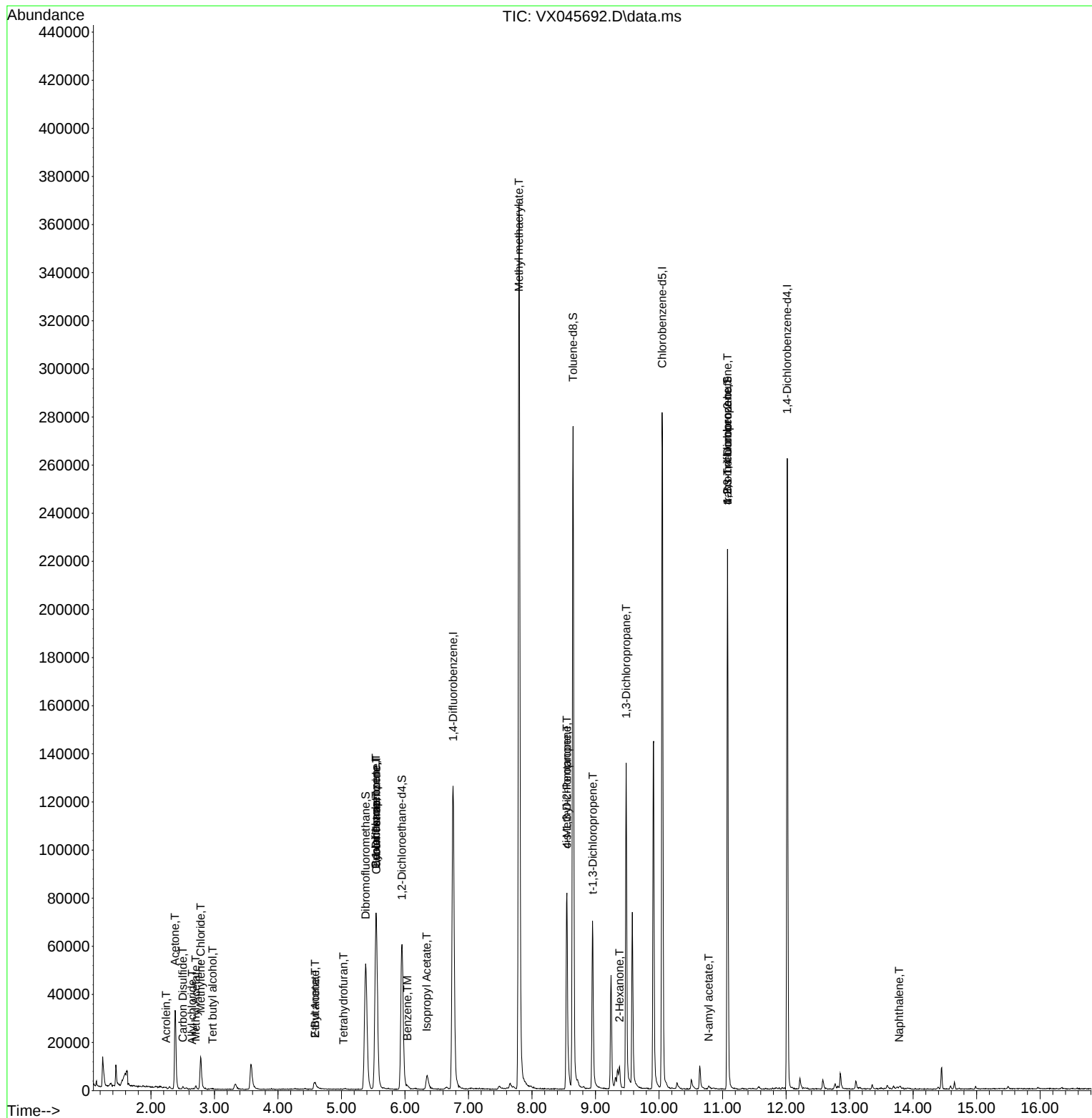
Internal Standards						
1) Pentafluorobenzene	5.544	168	61467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63727	56.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.380%			
35) Dibromofluoromethane	5.379	113	45362	52.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.020%			
50) Toluene-d8	8.647	98	156266	51.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.660%			
62) 4-Bromofluorobenzene	11.079	95	57865	52.687	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	177	1.172	ug/l #	72
13) Acrolein	2.239	56	295	1.418	ug/l	84
14) Allyl chloride	2.648	41	286	0.204	ug/l #	42
16) Acetone	2.380	43	36834	79.801	ug/l	98
17) Carbon Disulfide	2.502	76	1170	0.642	ug/l	96
18) Methyl Acetate	2.703	43	1736	1.634	ug/l	92
20) Methylene Chloride	2.782	84	5933	6.866	ug/l	94
25) 2-Butanone	4.587	43	6494	9.611	ug/l	95
29) Tetrahydrofuran	5.032	42	116	0.265	ug/l #	35
31) Cyclohexane	5.544	56	1790	1.298	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	6335	5.431	ug/l #	49
37) Ethyl Acetate	4.587	43	6494	4.418	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7602	6.031	ug/l #	15
40) Benzene	6.038	78	1300	0.365	ug/l	91
43) Isopropyl Acetate	6.342	43	8733	3.920	ug/l	95
48) Methyl methacrylate	7.793	41	37128	32.279	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	33322	22.563	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	78	2.346	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12726	9.939	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1075	0.719	ug/l #	42
59) 2-Hexanone	9.378	43	8617	7.879	ug/l #	28
74) N-amyl acetate	10.781	43	932	0.516	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	33629	29.232	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33629	99.210	ug/l #	1
95) Naphthalene	13.780	128	702	0.215	ug/l #	73

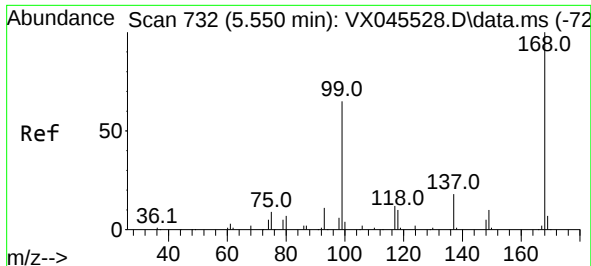
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

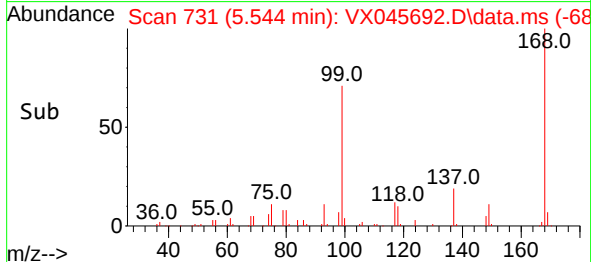
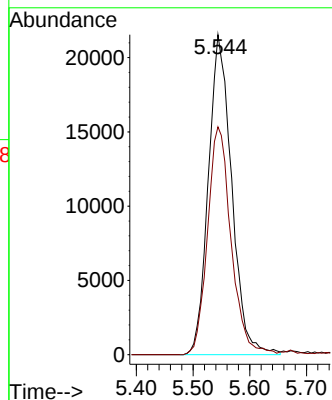
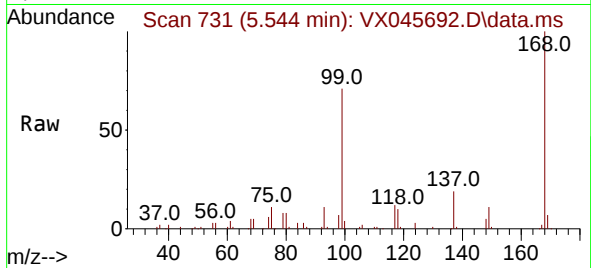




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

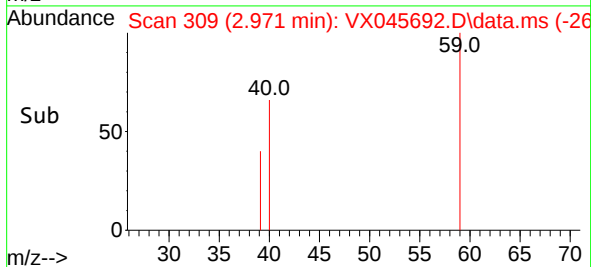
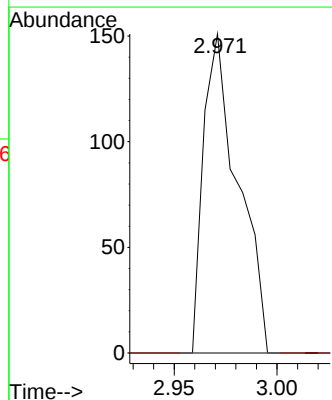
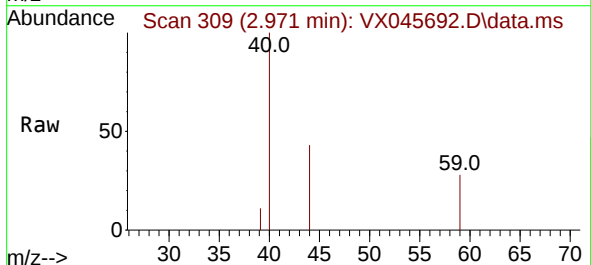
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

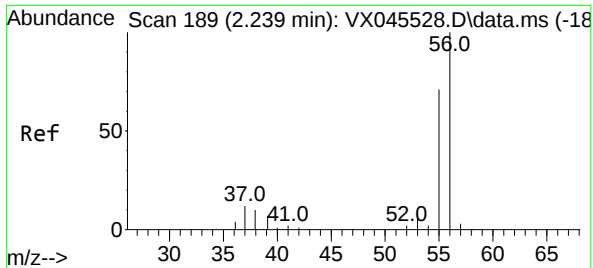
Tgt Ion:168 Resp: 61467
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.172 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

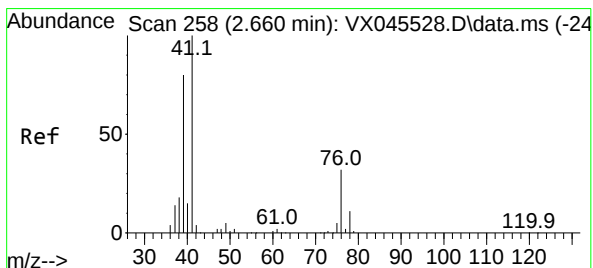
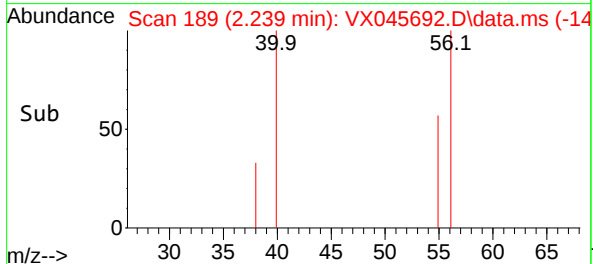
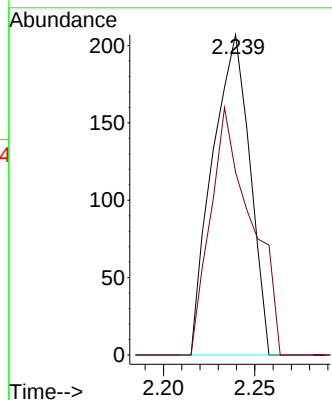
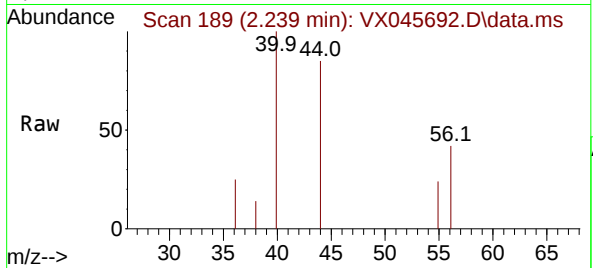




#13
Acrolein
Concen: 1.418 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

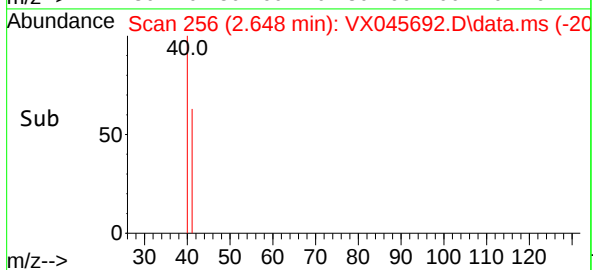
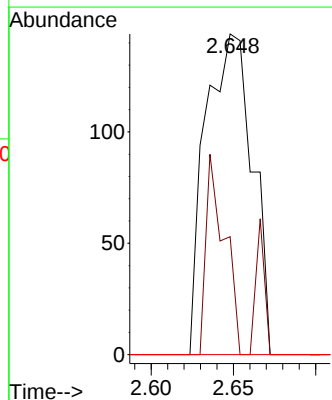
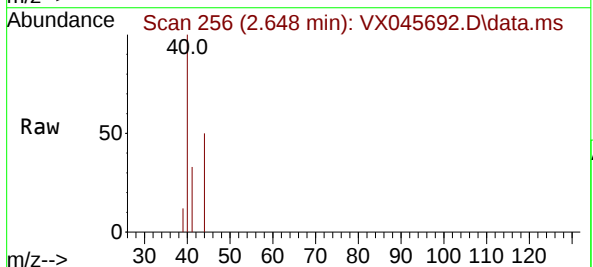
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

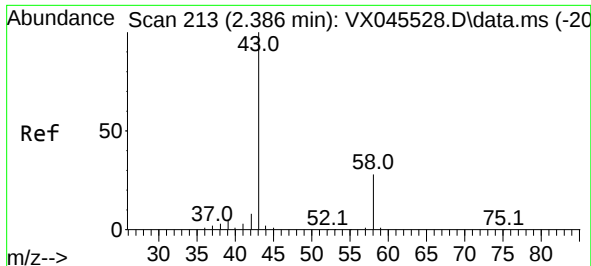
Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 83.7 56.2 84.2



#14
Allyl chloride
Concen: 0.204 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 41 Resp: 286
Ion Ratio Lower Upper
41 100
39 24.8 60.2 90.2#
76 0.0 24.6 36.8#





#16

Acetone

Concen: 79.801 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

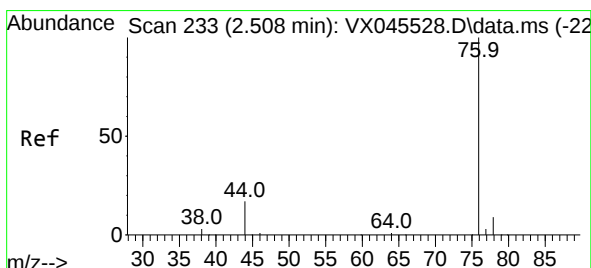
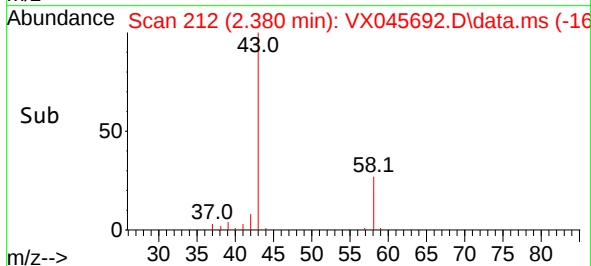
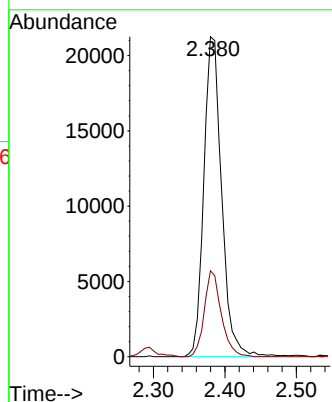
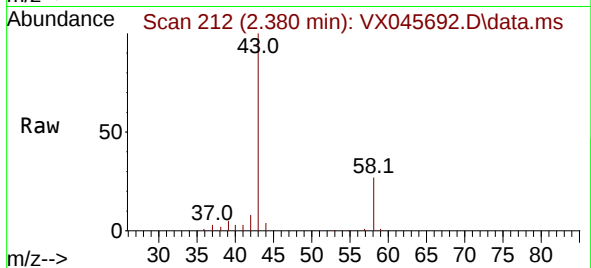
IB-2A-WC

Tgt Ion: 43 Resp: 36834

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5



#17

Carbon Disulfide

Concen: 0.642 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.006 min

Lab File: VX045692.D

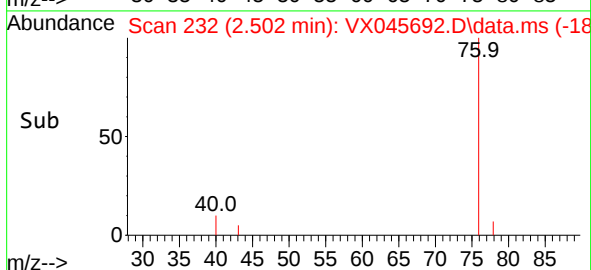
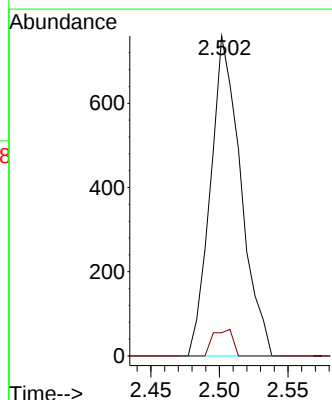
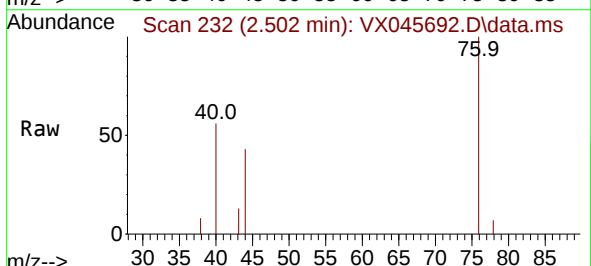
Acq: 10 Apr 2025 12:40

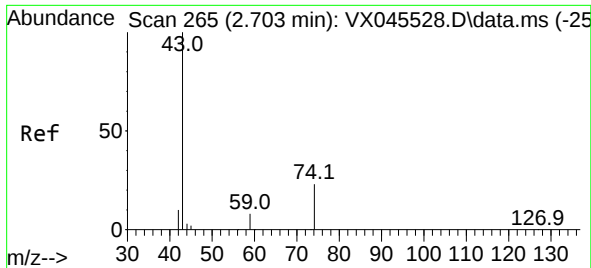
Tgt Ion: 76 Resp: 1170

Ion Ratio Lower Upper

76 100

78 7.2 7.0 10.6

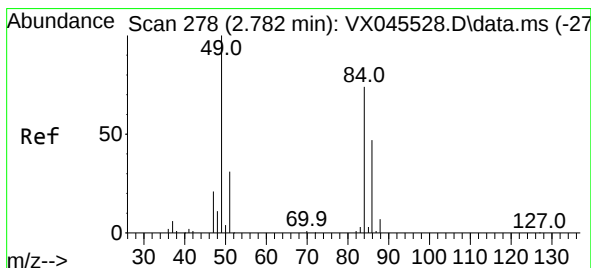
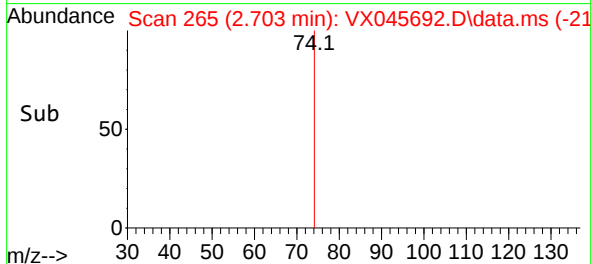
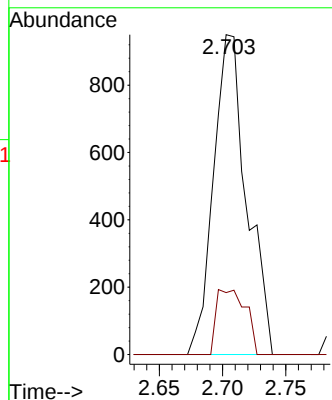
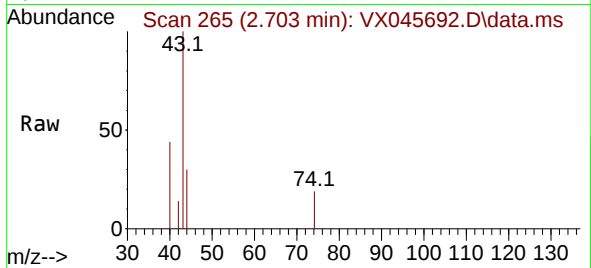




#18
Methyl Acetate
Concen: 1.634 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

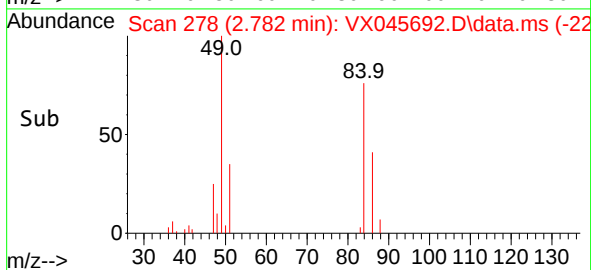
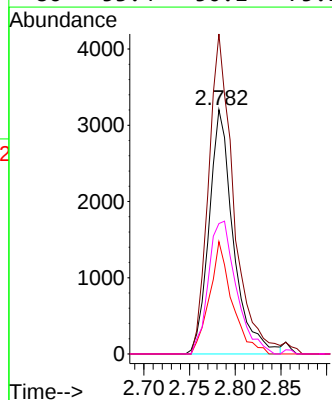
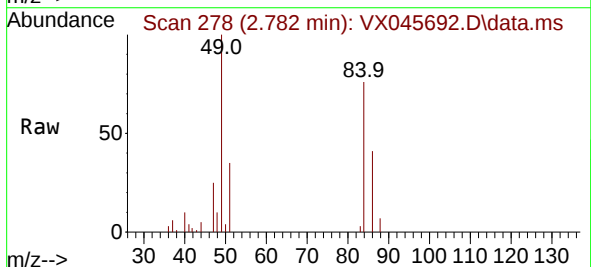
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

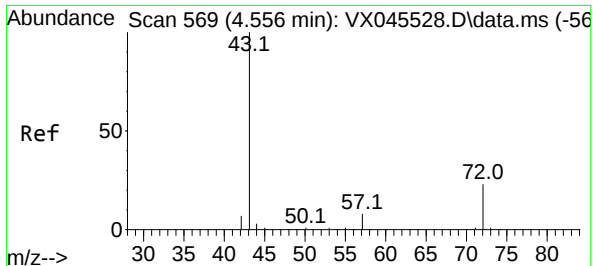
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
74 17.9 17.5 26.3



#20
Methylene Chloride
Concen: 6.866 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 84 Resp: 5933
Ion Ratio Lower Upper
84 100
49 130.9 107.5 161.3
51 46.0 33.0 49.6
86 53.4 50.1 75.1





#25

2-Butanone

Concen: 9.611 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

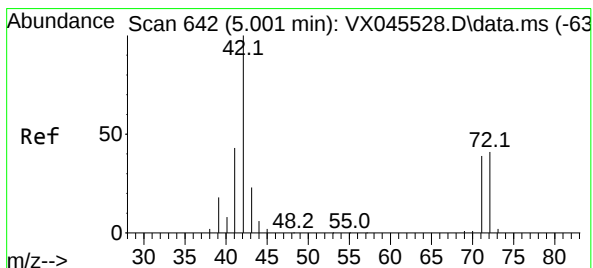
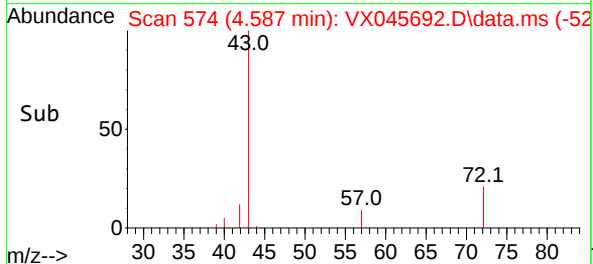
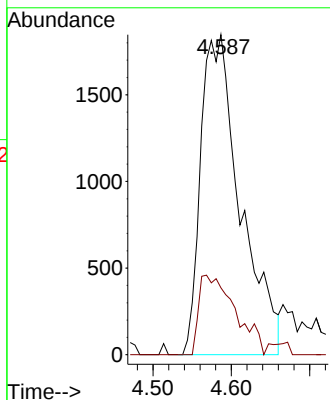
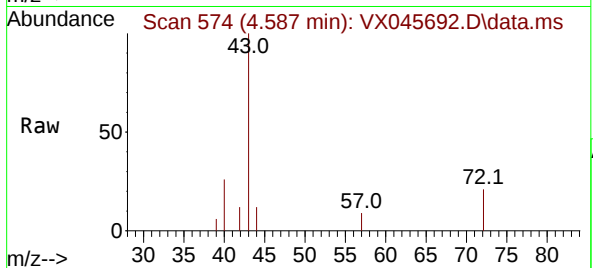
IB-2A-WC

Tgt Ion: 43 Resp: 6494

Ion Ratio Lower Upper

43 100

72 20.9 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.031 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

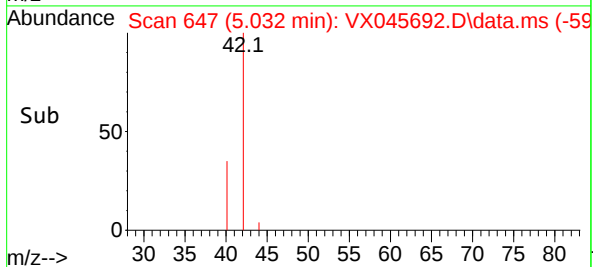
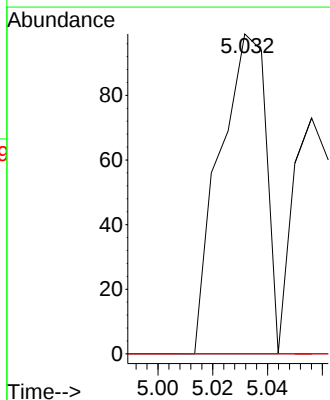
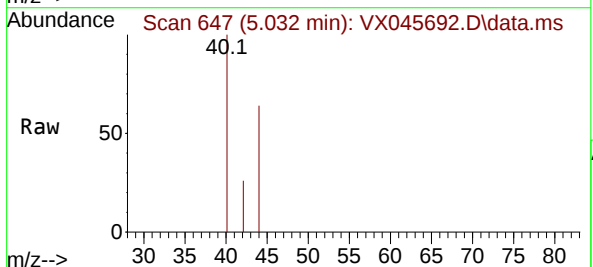
Tgt Ion: 42 Resp: 116

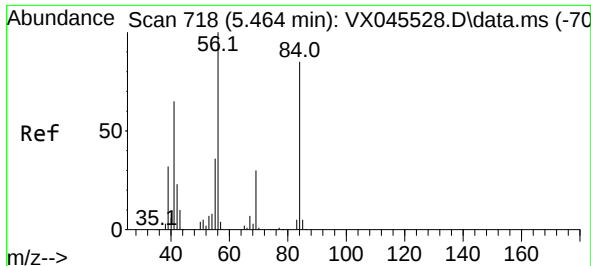
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

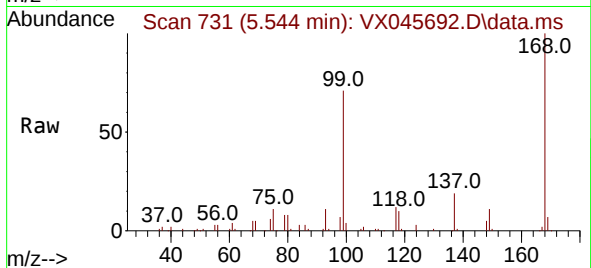
71 0.0 31.4 47.0#



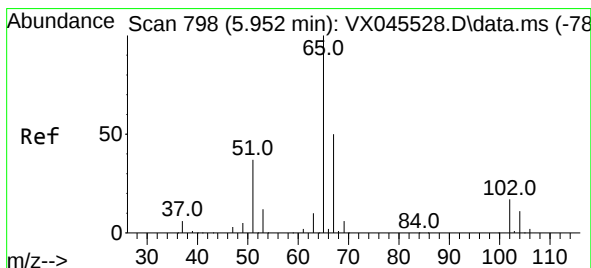
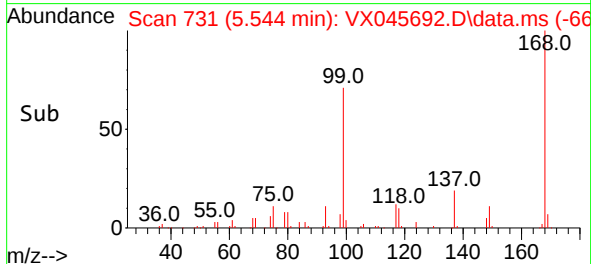
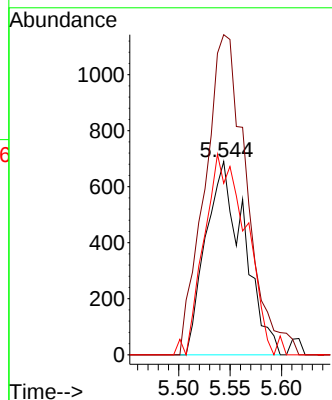


#31
Cyclohexane
Concen: 1.298 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

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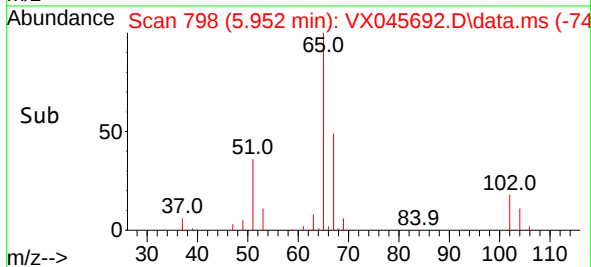
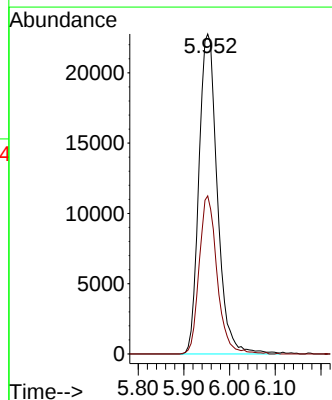
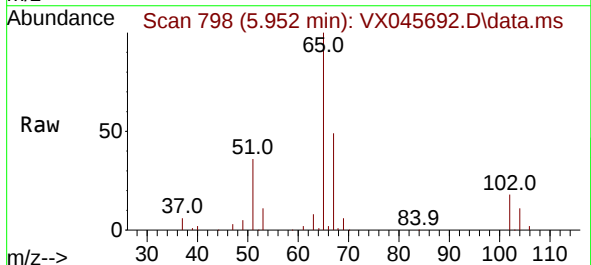


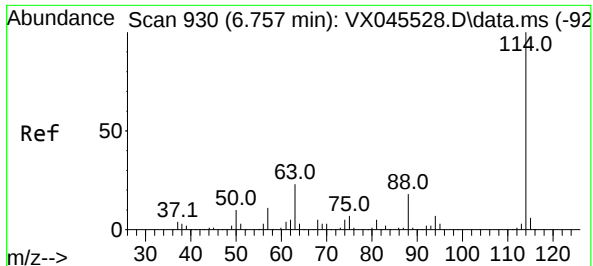
Tgt Ion: 56 Resp: 1790
Ion Ratio Lower Upper
56 100
69 165.7 23.6 35.4#
84 80.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 56.693 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 65 Resp: 63727
Ion Ratio Lower Upper
65 100
67 48.1 0.0 99.0

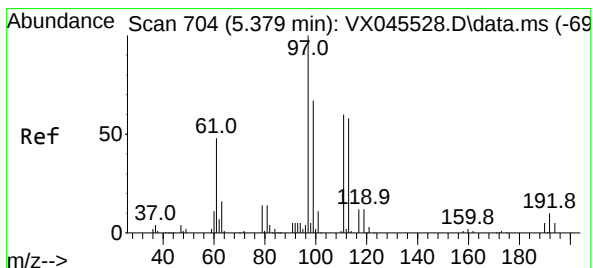
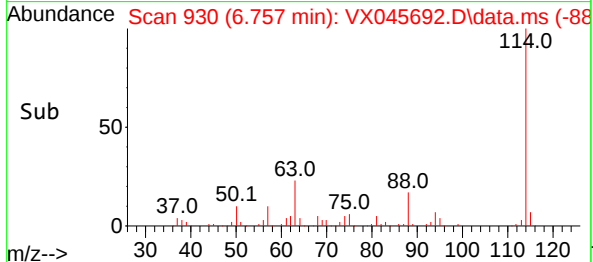
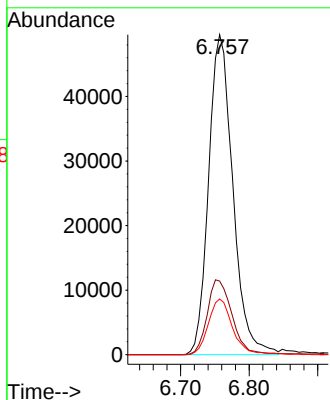
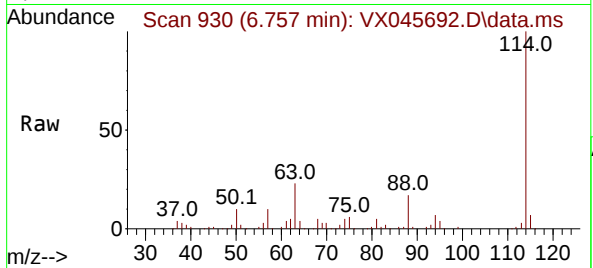




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

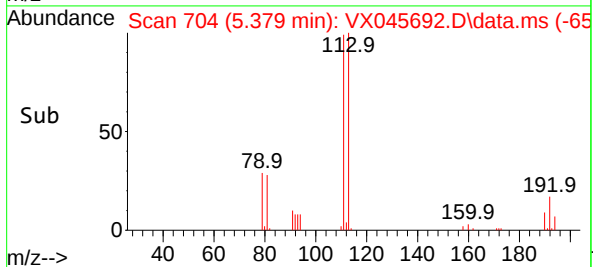
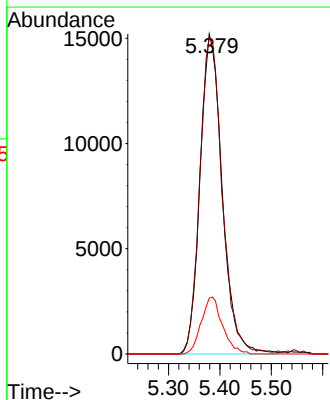
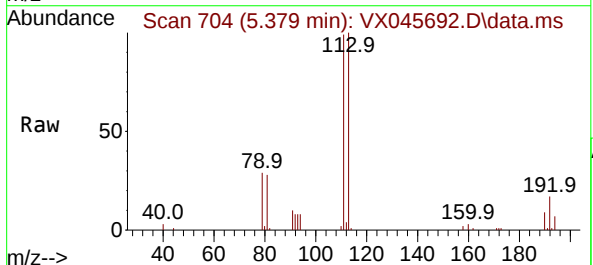
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

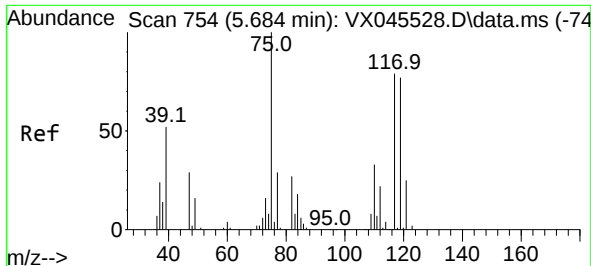
Tgt Ion:114 Resp: 121754
Ion Ratio Lower Upper
114 100
63 23.0 0.0 46.8
88 17.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.512 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion:113 Resp: 45362
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 17.0 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.431 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

IB-2A-WC

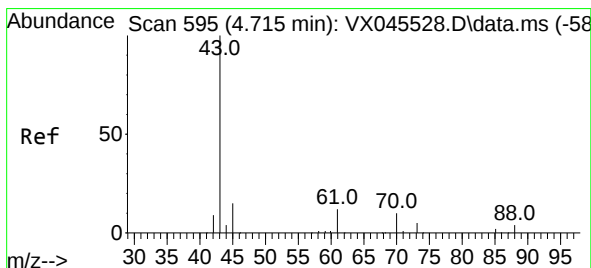
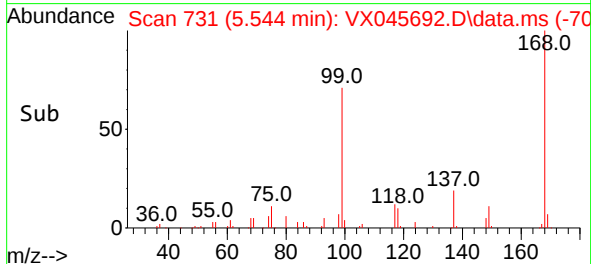
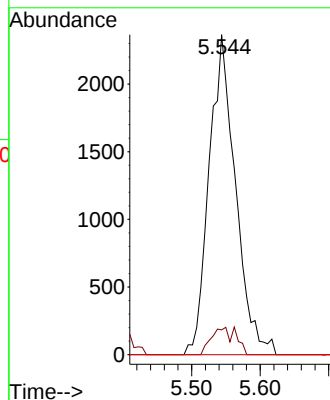
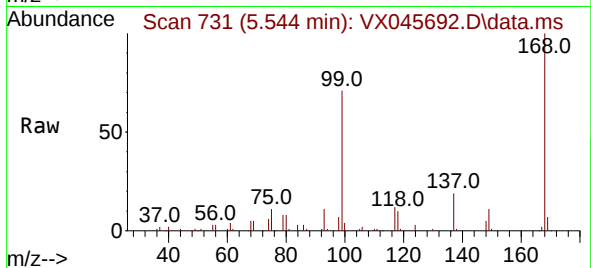
Tgt Ion: 75 Resp: 6335

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.418 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.128 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

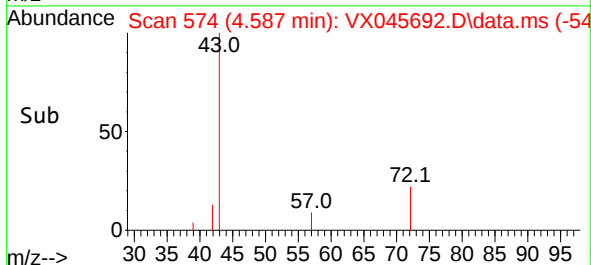
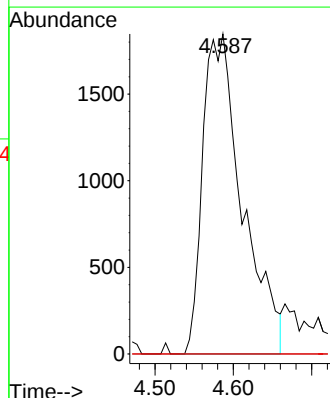
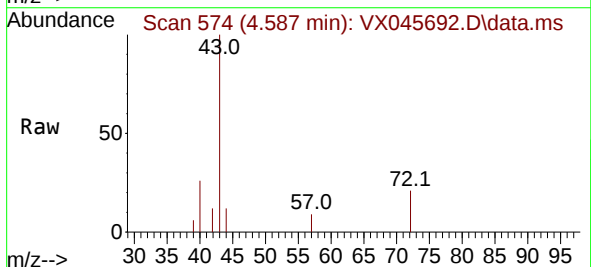
Tgt Ion: 43 Resp: 6494

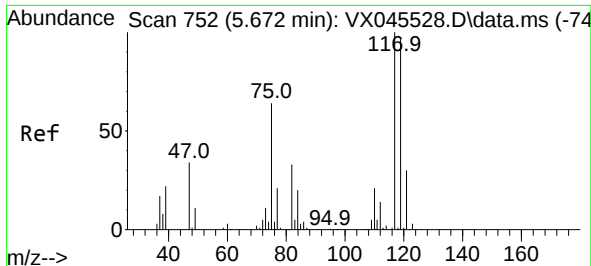
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#

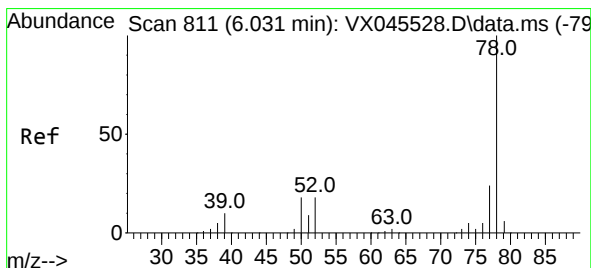
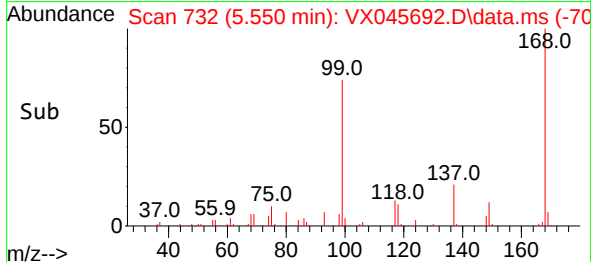
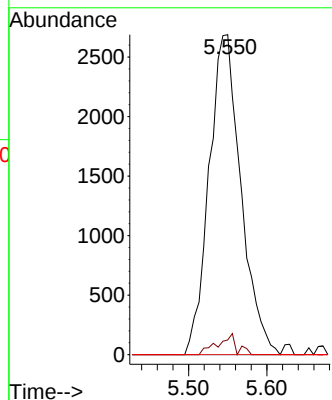
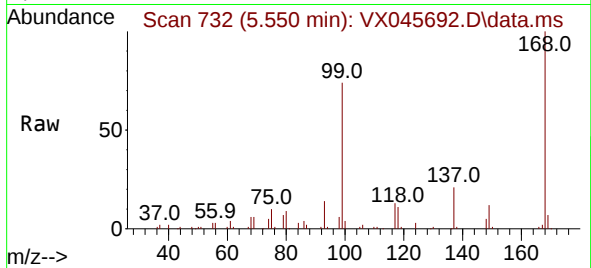




#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

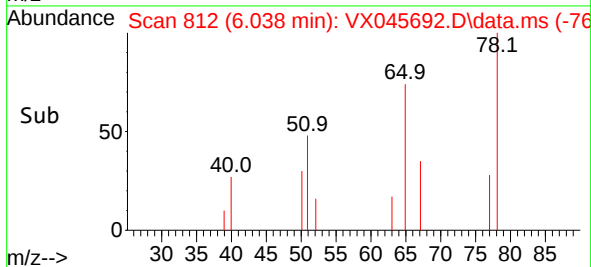
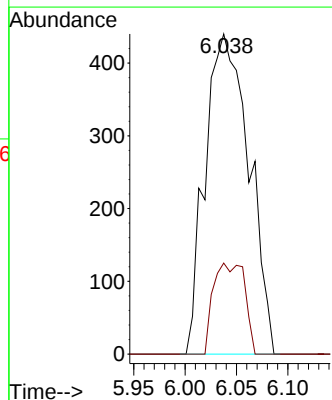
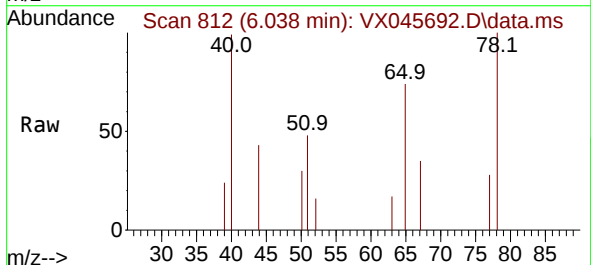
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

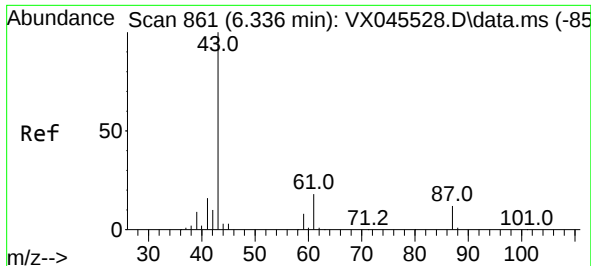
Tgt Ion:117 Resp: 7602
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.365 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 78 Resp: 1300
Ion Ratio Lower Upper
78 100
77 28.4 19.0 28.6

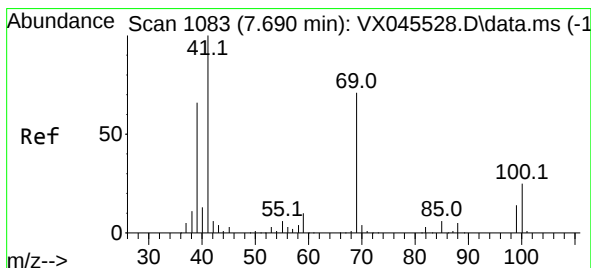
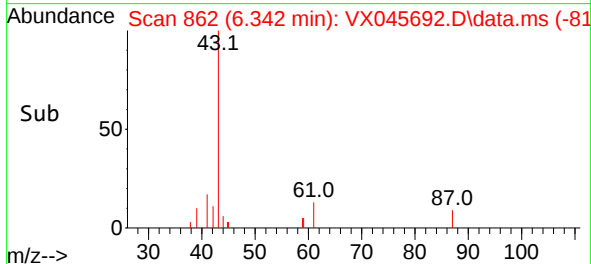
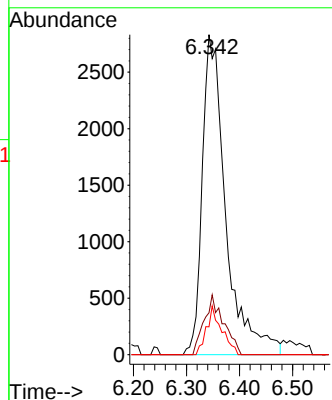
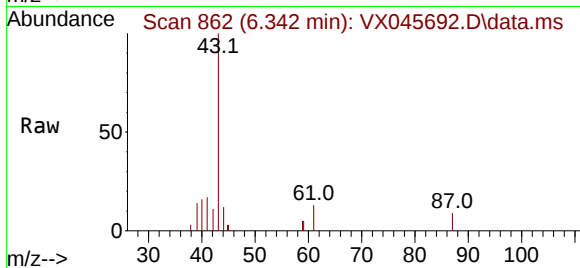




#43
Isopropyl Acetate
Concen: 3.920 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

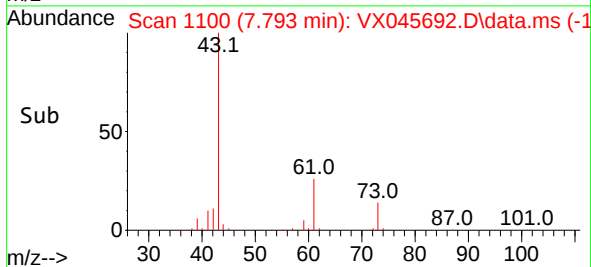
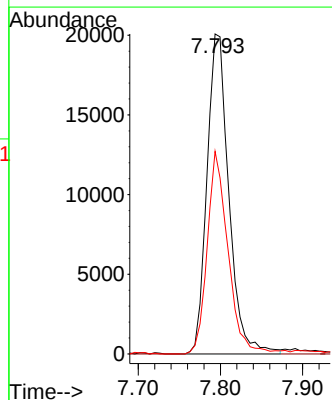
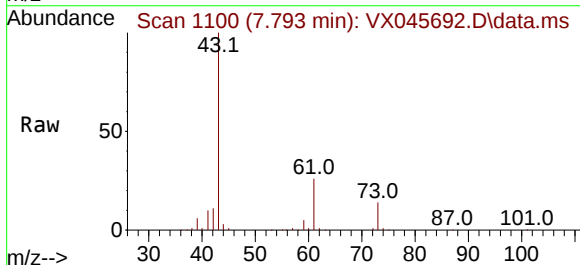
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

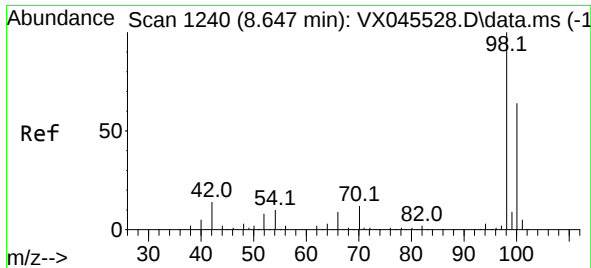
Tgt Ion: 43 Resp: 8733
Ion Ratio Lower Upper
43 100
61 15.5 14.1 21.1
87 9.8 9.2 13.8



#48
Methyl methacrylate
Concen: 32.279 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 41 Resp: 37128
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.2 53.6 80.4

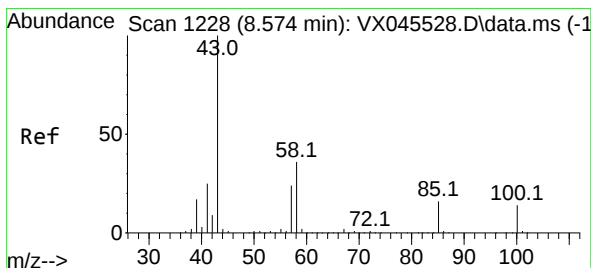
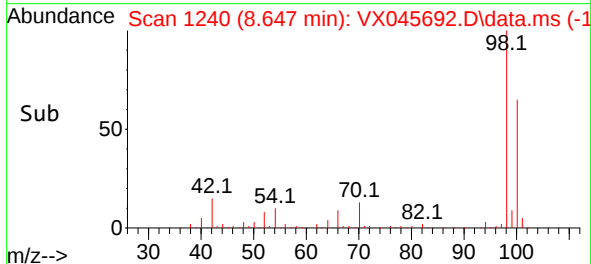
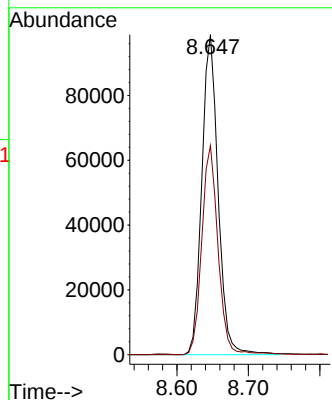
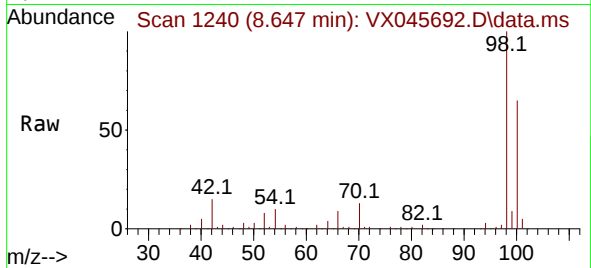




#50
Toluene-d8
Concen: 51.827 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

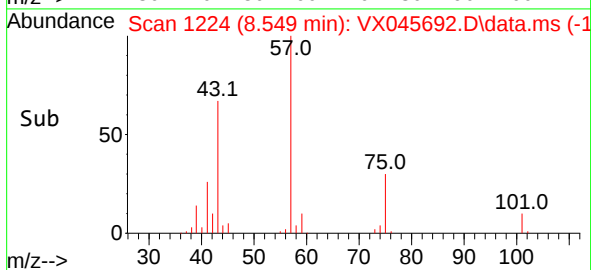
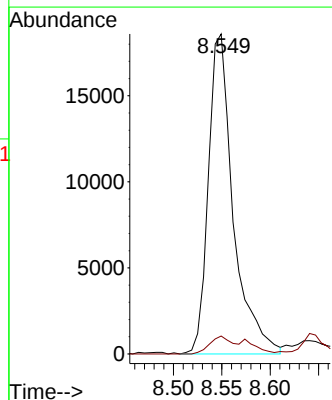
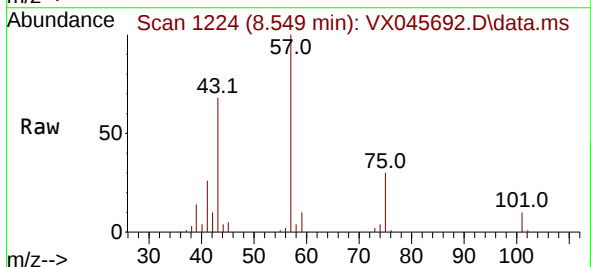
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

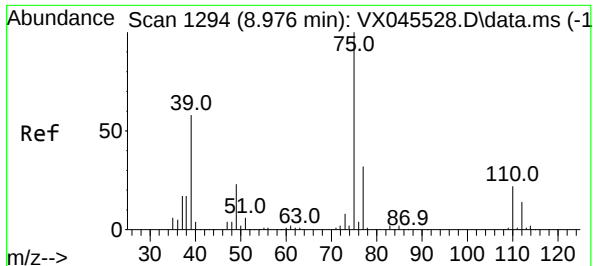
Tgt Ion: 98 Resp: 156266
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.563 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 43 Resp: 33322
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.346 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

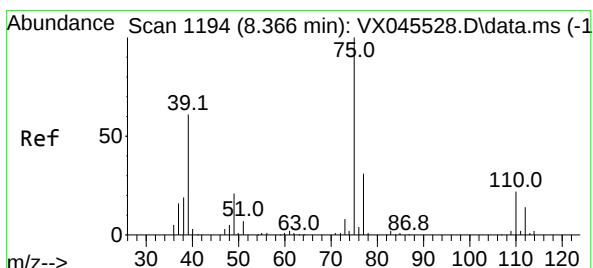
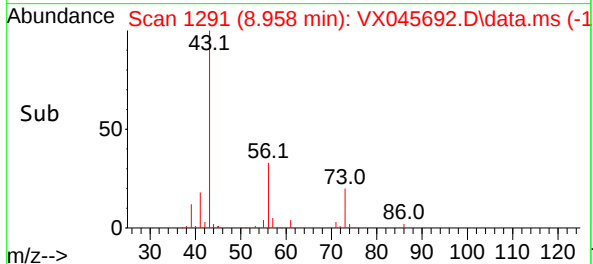
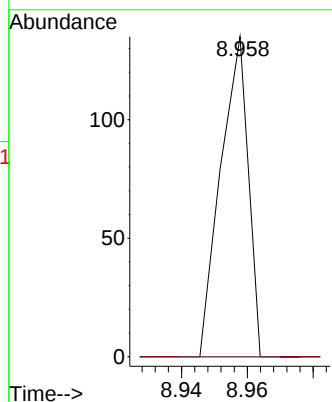
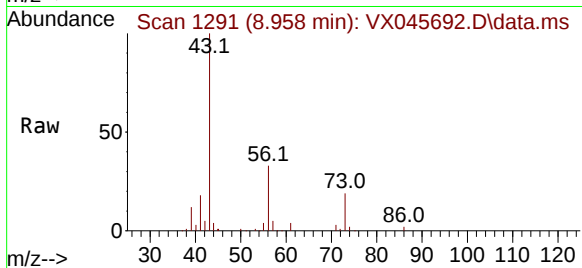
IB-2A-WC

Tgt Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 9.939 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045692.D

Acq: 10 Apr 2025 12:40

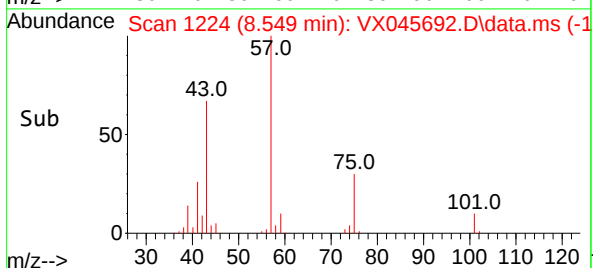
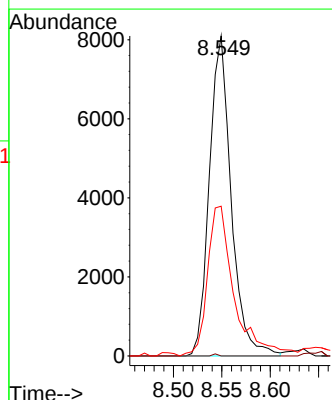
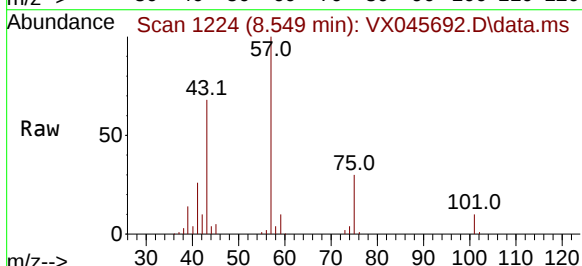
Tgt Ion: 75 Resp: 12726

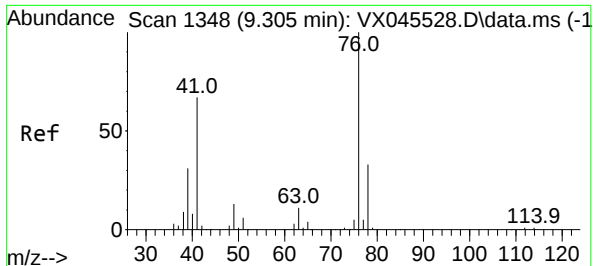
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 46.8 48.4 72.6#

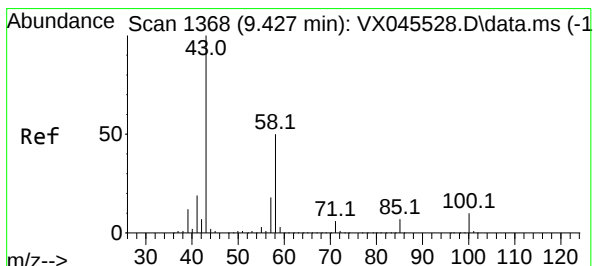
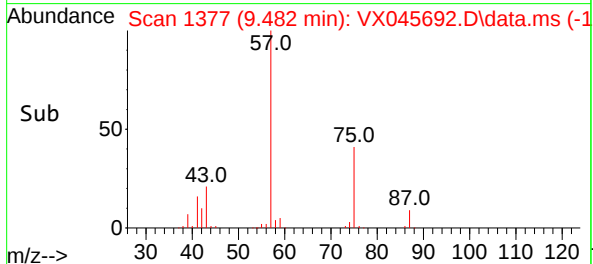
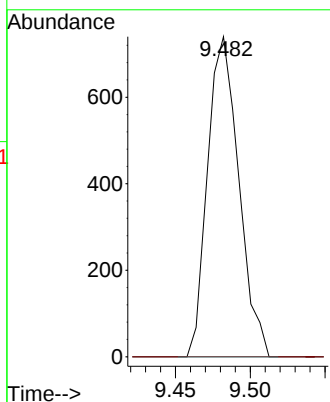
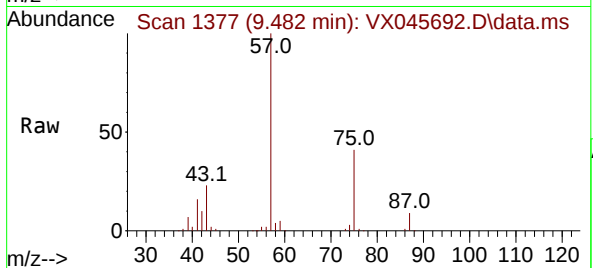




#57
1,3-Dichloropropane
Concen: 0.719 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

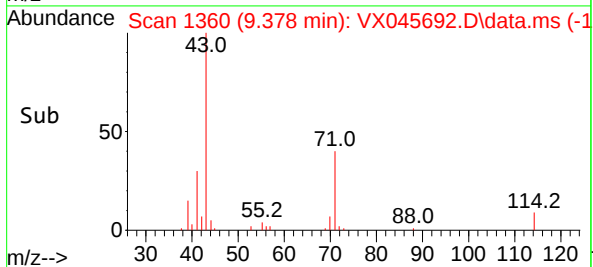
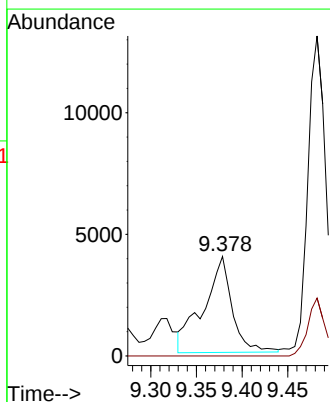
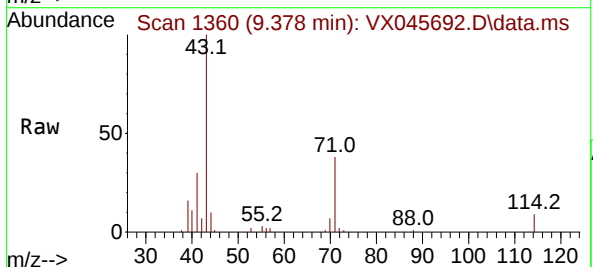
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

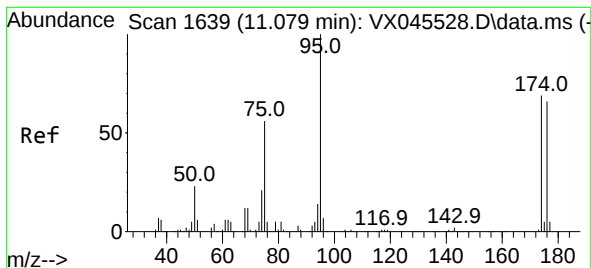
Tgt Ion: 76 Resp: 1075
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 7.879 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 43 Resp: 8617
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

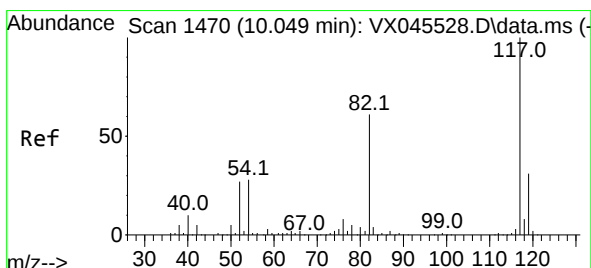
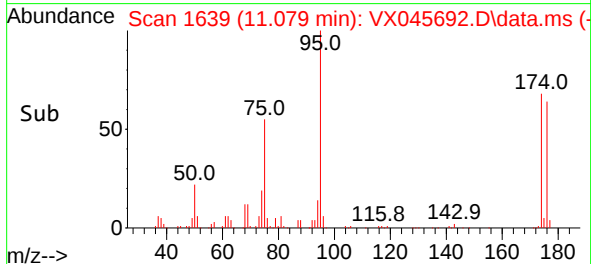
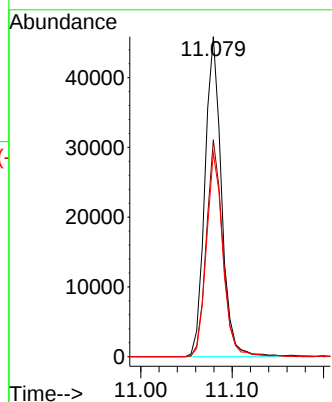
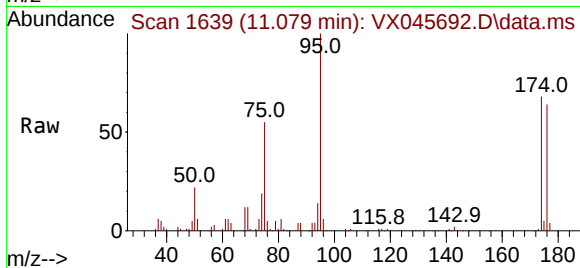




#62
4-Bromofluorobenzene
Concen: 52.687 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

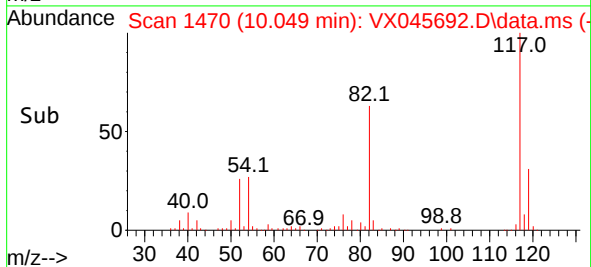
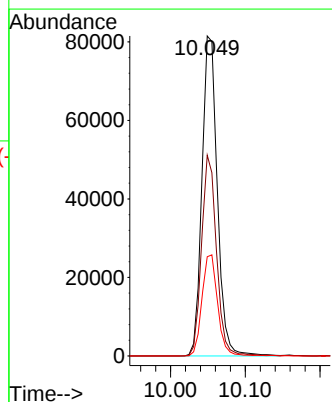
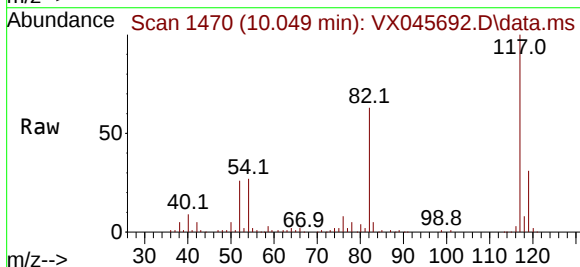
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

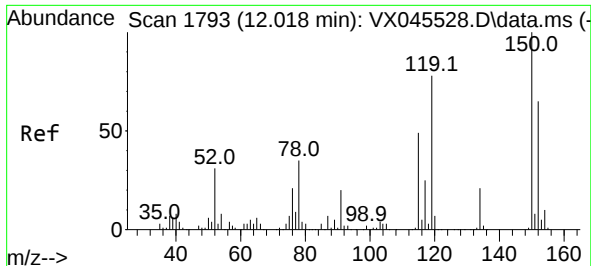
Tgt Ion: 95 Resp: 57865
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 63.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 117 Resp: 116603
Ion Ratio Lower Upper
117 100
82 62.8 49.2 73.8
119 31.0 25.1 37.7

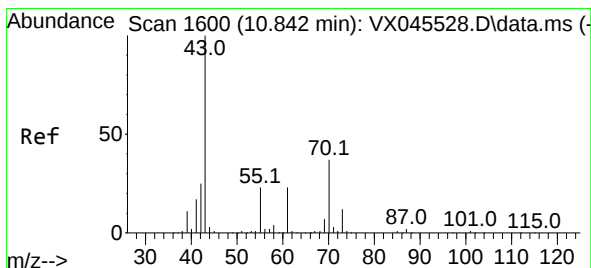
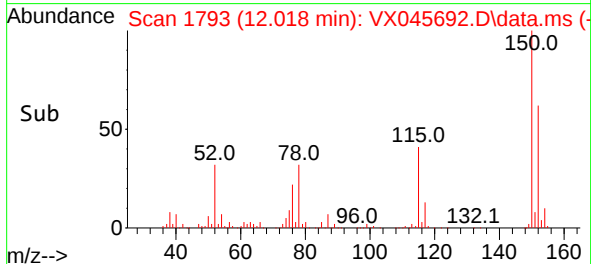
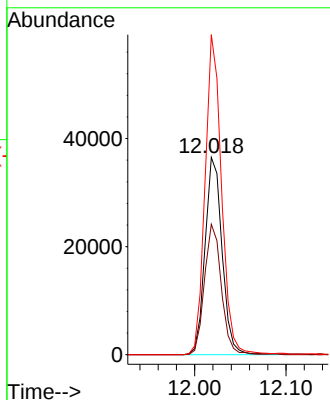
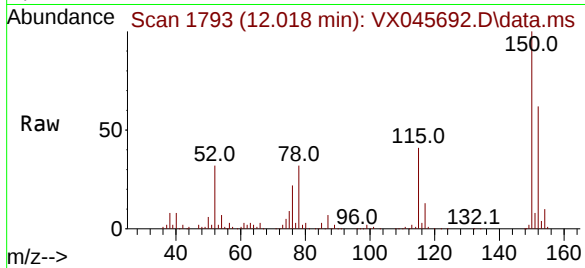




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045692.D
 Acq: 10 Apr 2025 12:40

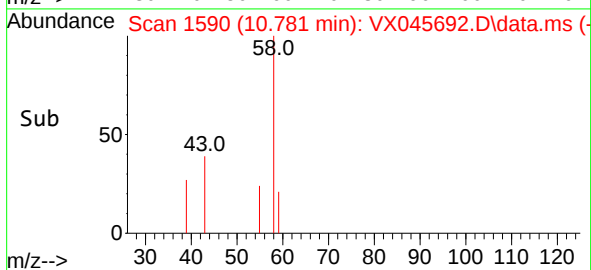
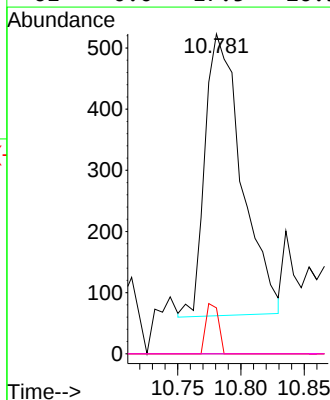
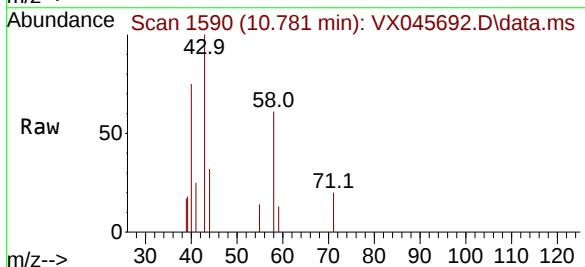
Instrument :
 MSVOA_X
 ClientSampleId :
 IB-2A-WC

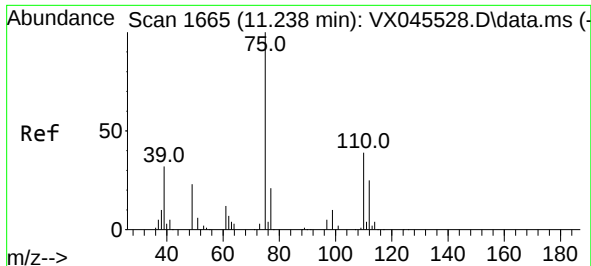
Tgt Ion:152 Resp: 47163
 Ion Ratio Lower Upper
 152 100
 115 65.3 46.9 140.7
 150 156.6 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.516 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045692.D
 Acq: 10 Apr 2025 12:40

Tgt Ion: 43 Resp: 932
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 6.1 18.3 27.5#
 61 0.0 17.5 26.3#

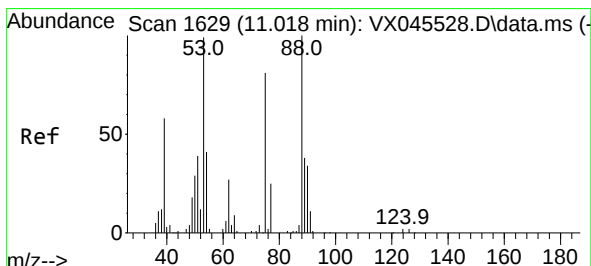
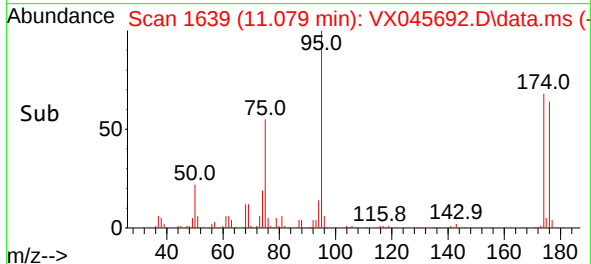
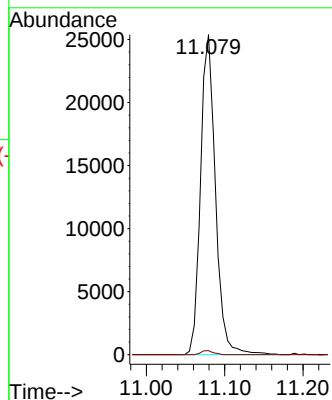
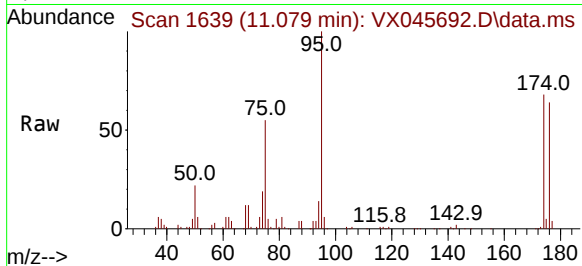




#76
1,2,3-Trichloropropane
Concen: 29.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

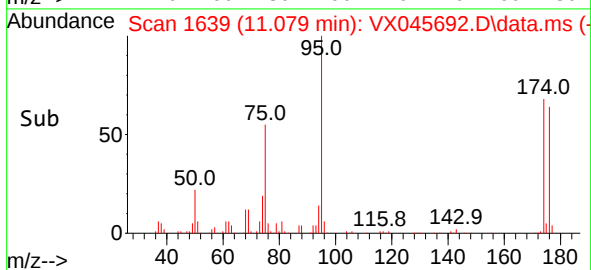
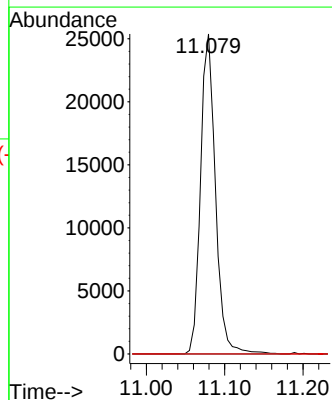
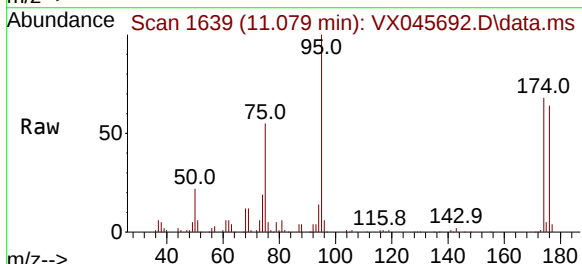
Instrument :
MSVOA_X
ClientSampleId :
IB-2A-WC

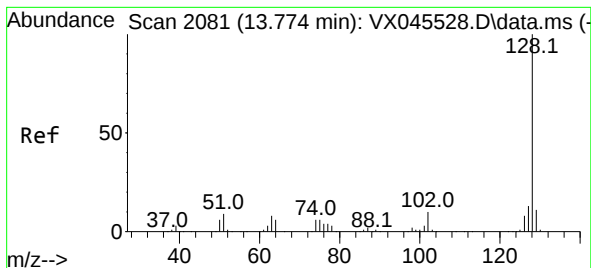
Tgt Ion: 75 Resp: 33629
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045692.D
Acq: 10 Apr 2025 12:40

Tgt Ion: 75 Resp: 33629
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.215 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045692.D

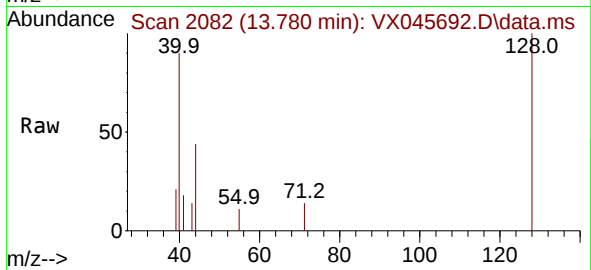
Acq: 10 Apr 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

IB-2A-WC



Tgt Ion:128 Resp: 702

Ion Ratio Lower Upper

128 100

127 3.0 10.3 15.5#

129 0.0 8.6 12.8#

