

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045999.D
 Acq On : 30 Apr 2025 15:40
 Operator : JC/MD
 Sample : Q1906-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

Quant Time: May 01 03:37:56 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)

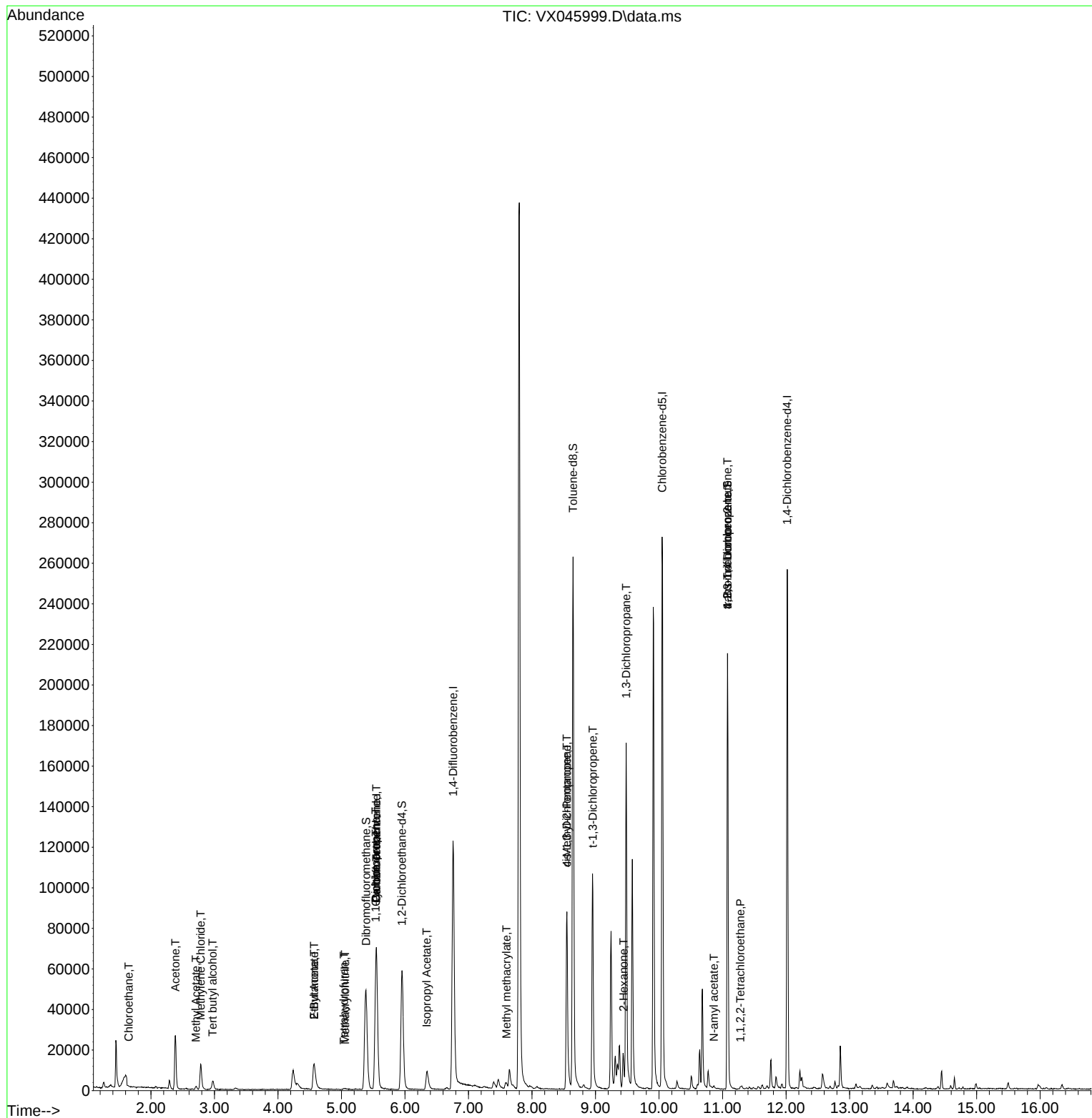
Internal Standards						
1) Pentafluorobenzene	5.550	168	59259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	112397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60885	56.183	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.360%	
35) Dibromofluoromethane	5.385	113	43144	53.221	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.440%	
50) Toluene-d8	8.647	98	150262	53.105	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.200%	
62) 4-Bromofluorobenzene	11.079	95	56122	54.453	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.900%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	165	0.373	ug/l #	42
11) Tert butyl alcohol	2.971	59	4496	30.871	ug/l	99
16) Acetone	2.386	43	30247	67.972	ug/l	95
18) Methyl Acetate	2.709	43	2087	2.037	ug/l #	91
20) Methylene Chloride	2.782	84	5673	6.810	ug/l	98
25) 2-Butanone	4.568	43	26042	39.980	ug/l	99
29) Tetrahydrofuran	5.038	42	335	0.793	ug/l #	55
31) Cyclohexane	5.544	56	1660	1.249	ug/l #	17
36) 1,1-Dichloropropene	5.538	75	5928	5.416	ug/l #	49
37) Ethyl Acetate	4.568	43	26042	18.880	ug/l #	71
38) Carbon Tetrachloride	5.550	117	7267	6.143	ug/l #	15
41) Methacrylonitrile	5.056	41	202	0.278	ug/l #	45
43) Isopropyl Acetate	6.342	43	13970	6.682	ug/l	99
48) Methyl methacrylate	7.598	41	2172	2.012	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	35514	25.625	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	201	2.445	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13467	11.208	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1353	0.964	ug/l #	42
59) 2-Hexanone	9.439	43	10548	10.278	ug/l	95
74) N-amyl acetate	10.866	43	553	0.306	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.281	83	274	0.206	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	32607	28.306	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32607	96.069	ug/l #	1

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

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Quant Title : SW846 8260
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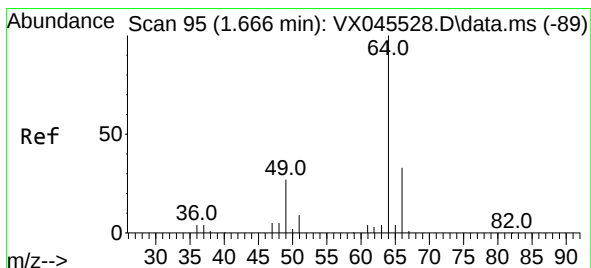
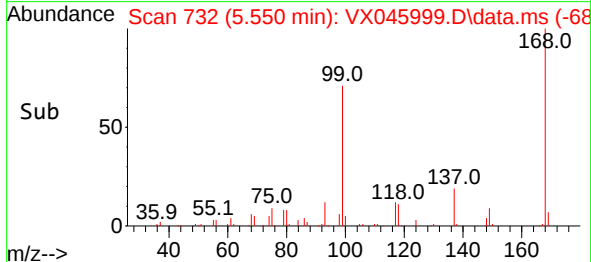
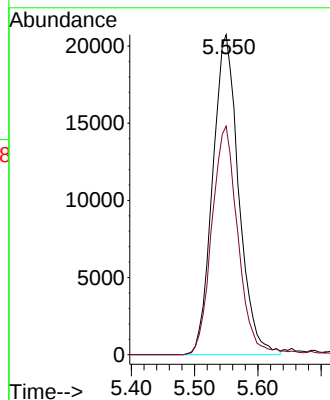
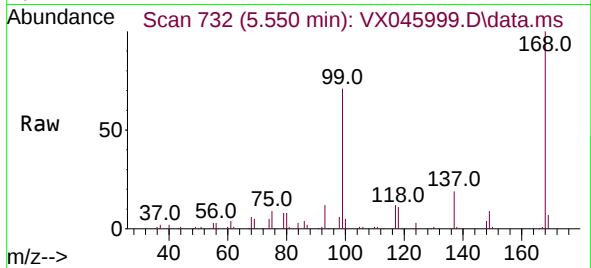




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

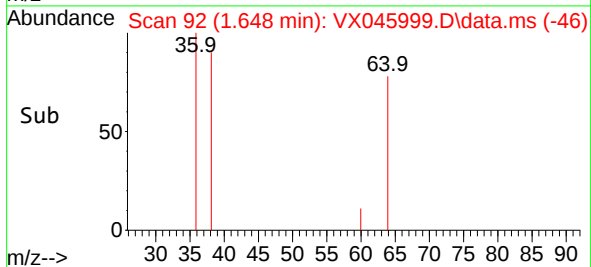
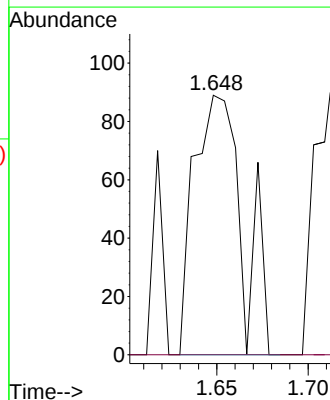
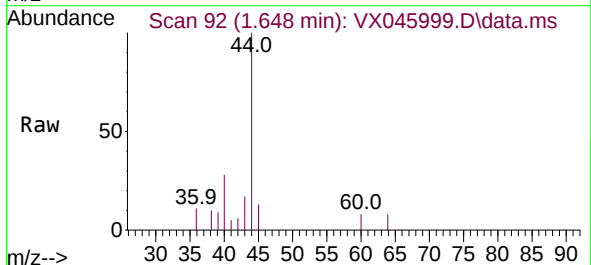
Instrument :
MSVOA_X
ClientSampleId :
WC-4

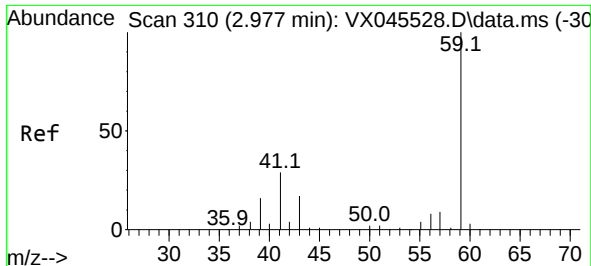
Tgt Ion:168 Resp: 59259
Ion Ratio Lower Upper
168 100
99 71.4 52.3 78.5



#6
Chloroethane
Concen: 0.373 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

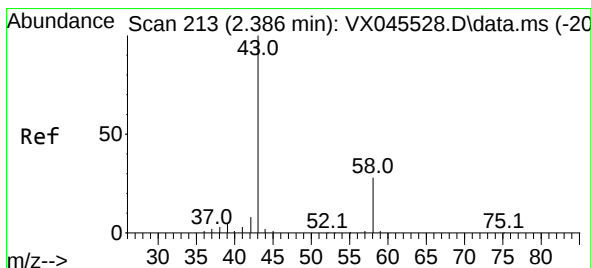
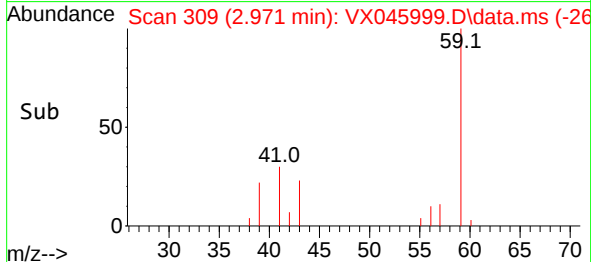
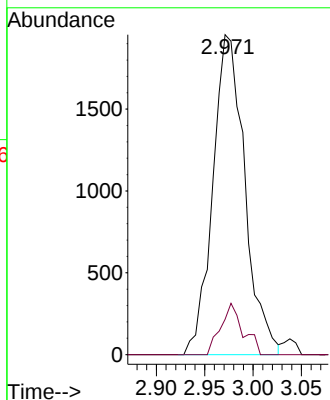
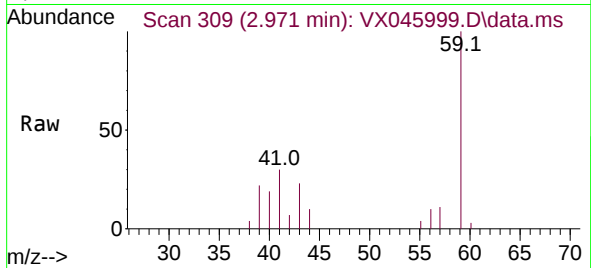




#11
Tert butyl alcohol
Concen: 30.871 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

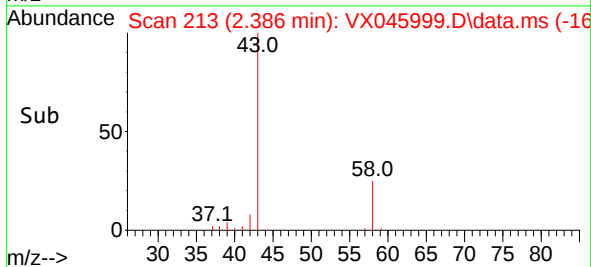
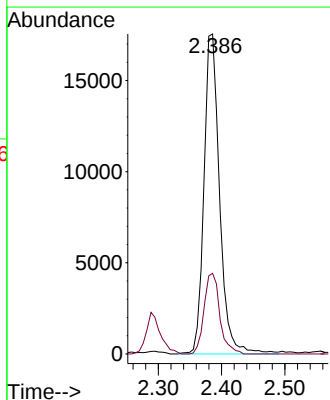
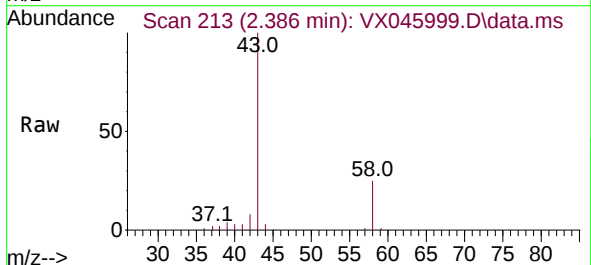
Instrument :
MSVOA_X
ClientSampleId :
WC-4

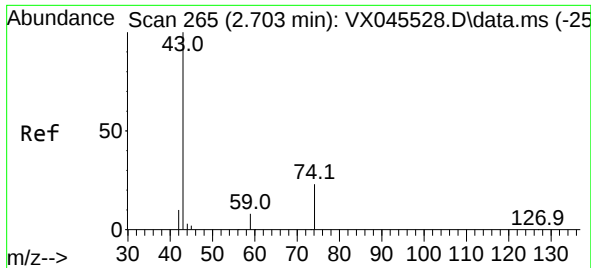
Tgt Ion: 59 Resp: 4496
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8



#16
Acetone
Concen: 67.972 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 43 Resp: 30247
Ion Ratio Lower Upper
43 100
58 25.2 22.3 33.5

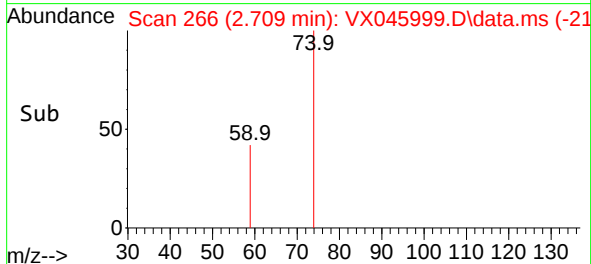
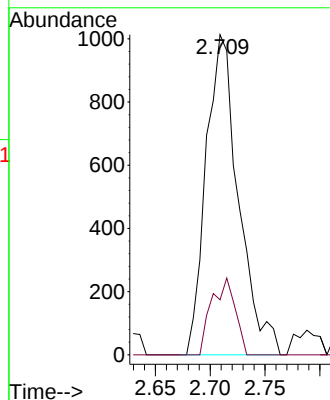
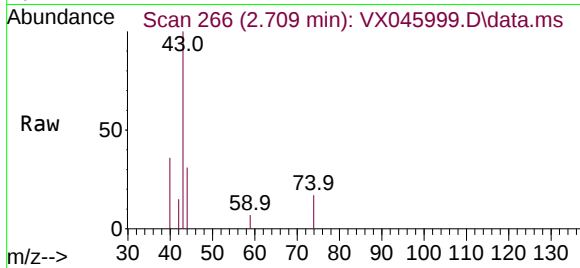




#18
Methyl Acetate
Concen: 2.037 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

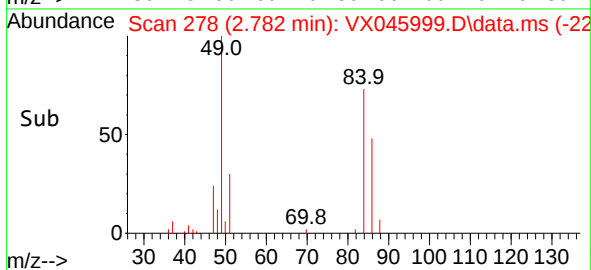
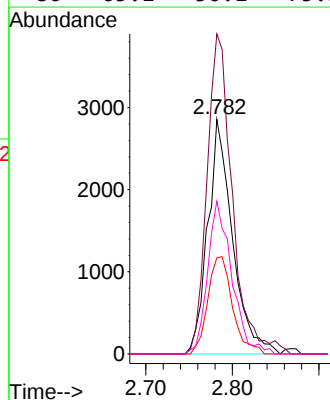
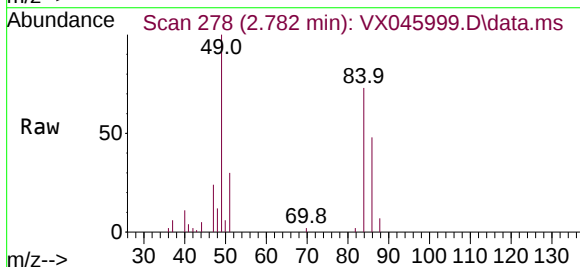
Instrument :
MSVOA_X
ClientSampleId :
WC-4

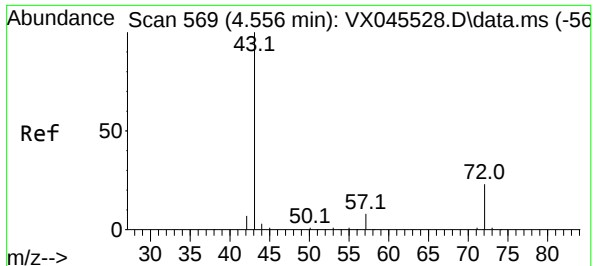
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
74 17.4 17.5 26.3#



#20
Methylene Chloride
Concen: 6.810 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 84 Resp: 5673
Ion Ratio Lower Upper
84 100
49 136.4 107.5 161.3
51 41.0 33.0 49.6
86 65.1 50.1 75.1

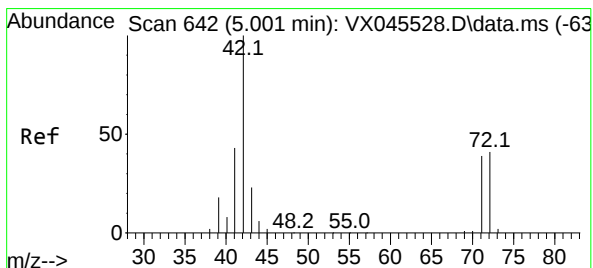
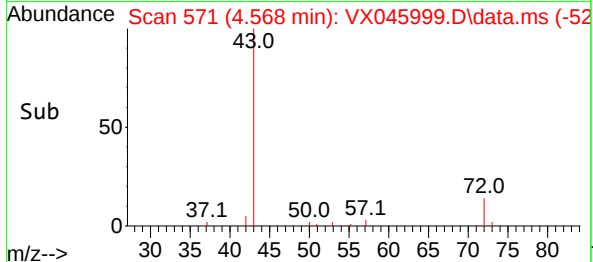
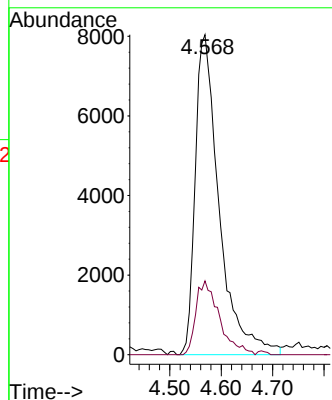
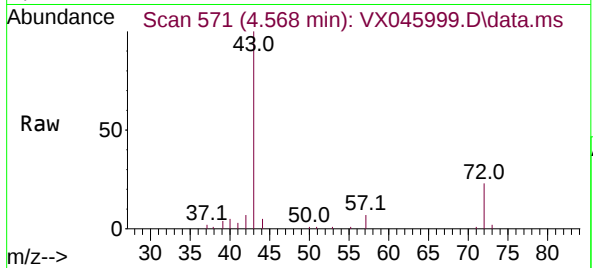




#25
2-Butanone
Concen: 39.980 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

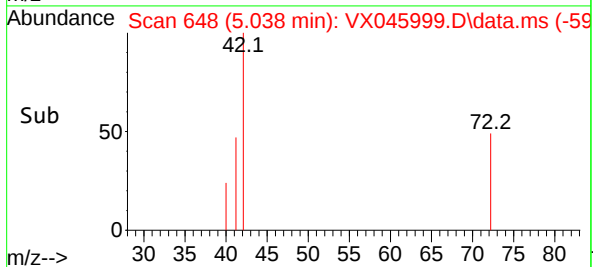
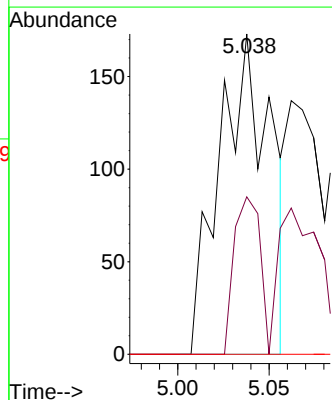
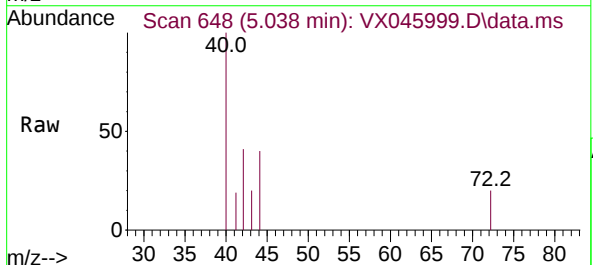
Instrument :
MSVOA_X
ClientSampleId :
WC-4

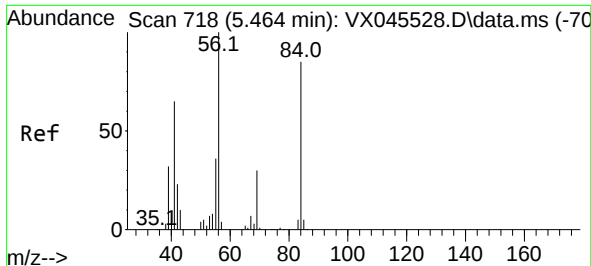
Tgt Ion: 43 Resp: 26042
Ion Ratio Lower Upper
43 100
72 23.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.793 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 42 Resp: 335
Ion Ratio Lower Upper
42 100
72 25.1 33.4 50.0#
71 0.0 31.4 47.0#

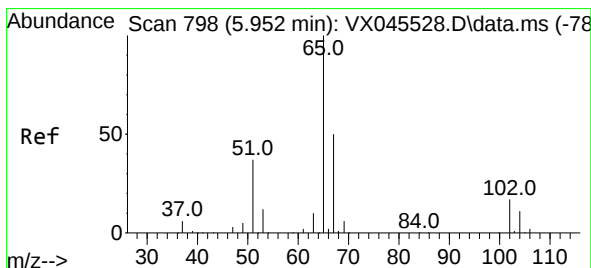
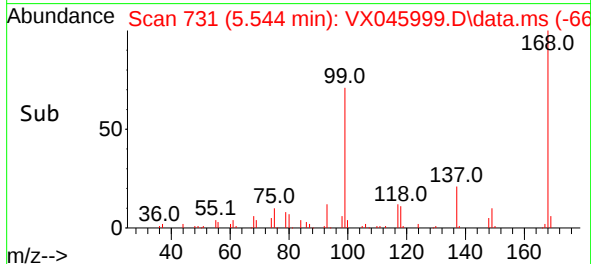
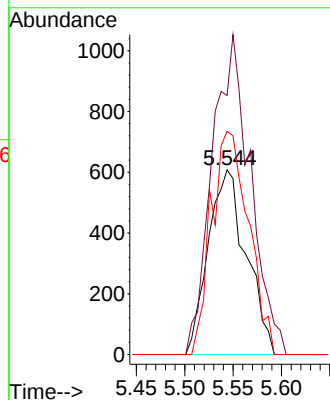
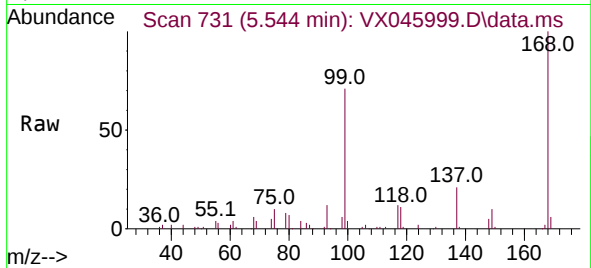




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

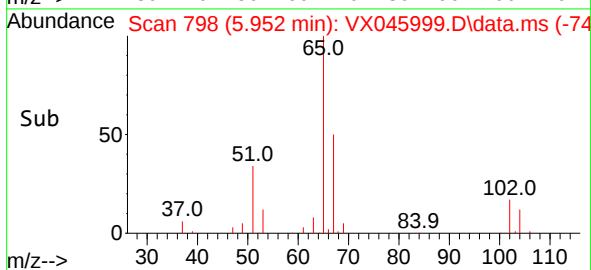
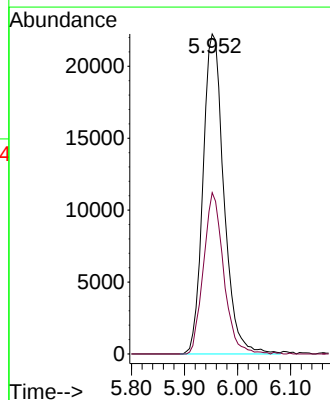
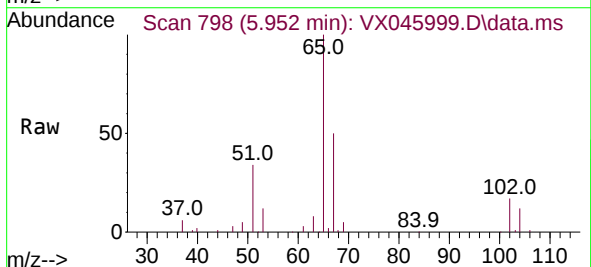
Instrument :
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ClientSampleId :
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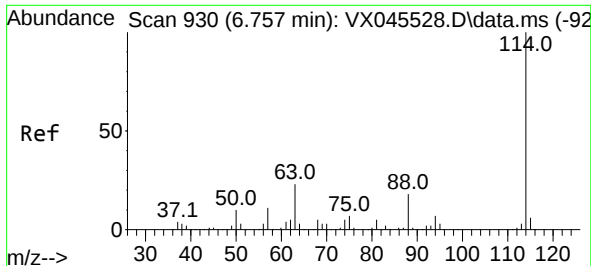
Tgt Ion: 56 Resp: 1660
Ion Ratio Lower Upper
56 100
69 140.3 23.6 35.4#
84 120.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 56.183 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 65 Resp: 60885
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

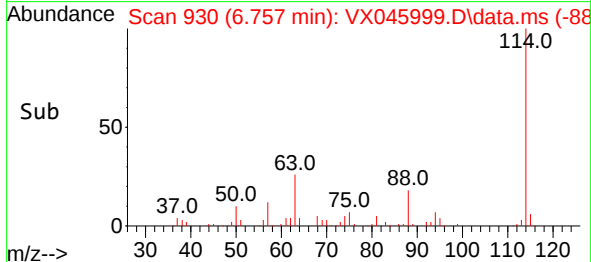
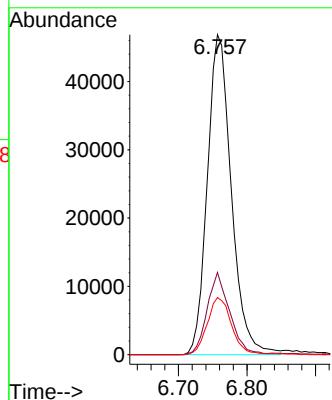
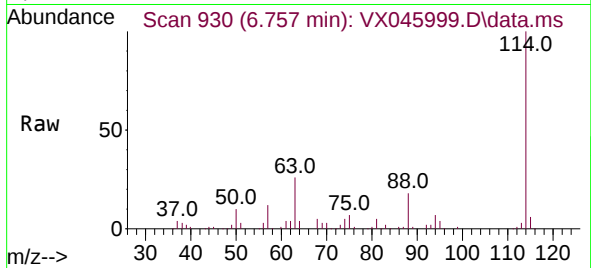




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

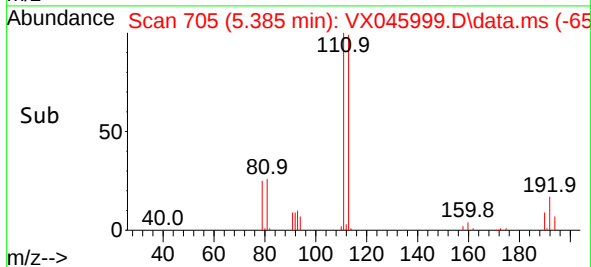
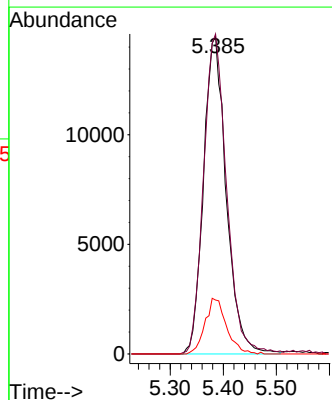
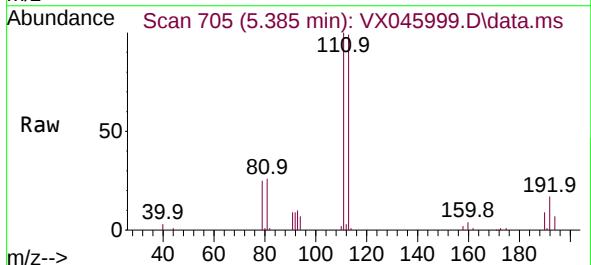
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ClientSampleId :
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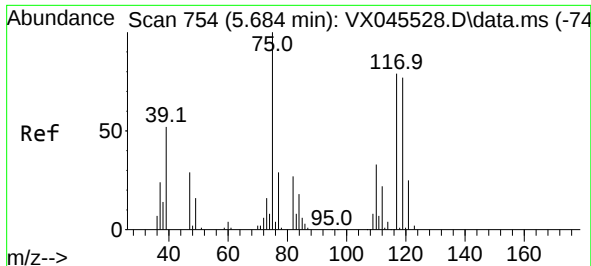
Tgt Ion:114 Resp: 114258
Ion Ratio Lower Upper
114 100
63 25.7 0.0 46.8
88 17.8 0.0 35.4



#35
Dibromofluoromethane
Concen: 53.221 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion:113 Resp: 43144
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.5 13.8 20.6

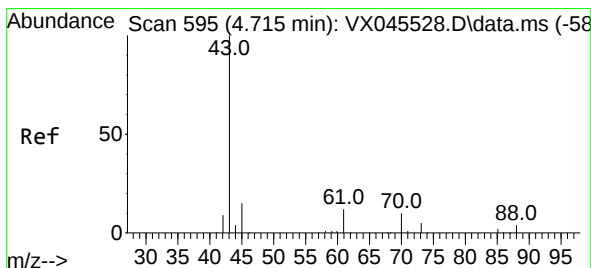
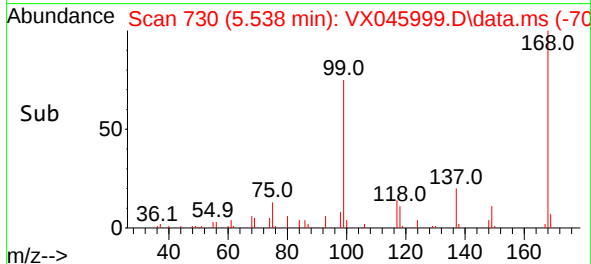
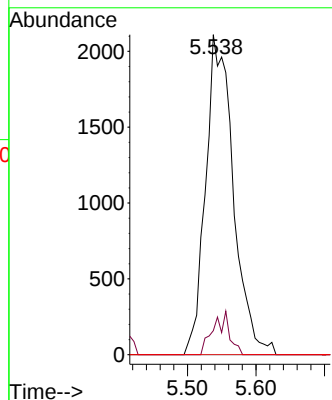
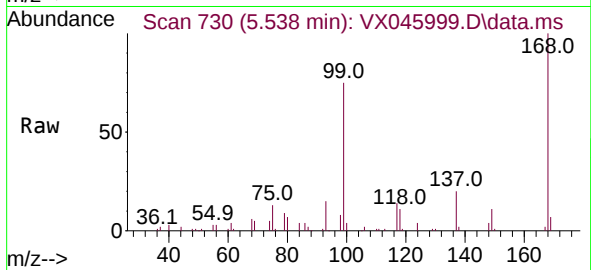




#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

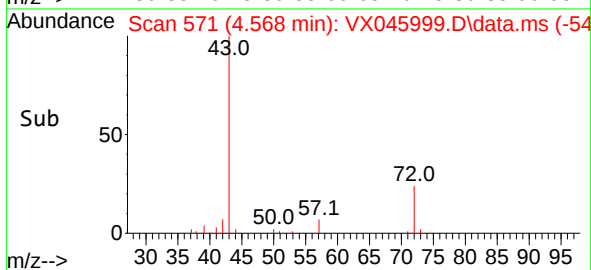
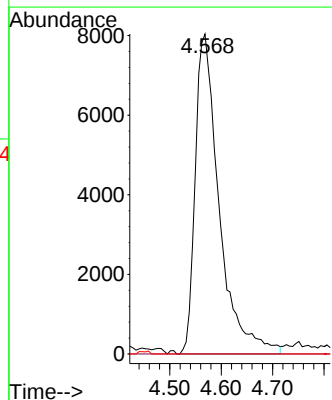
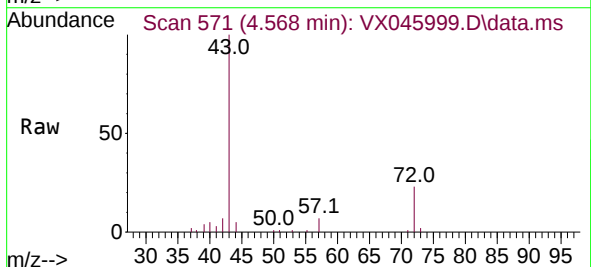
Instrument :
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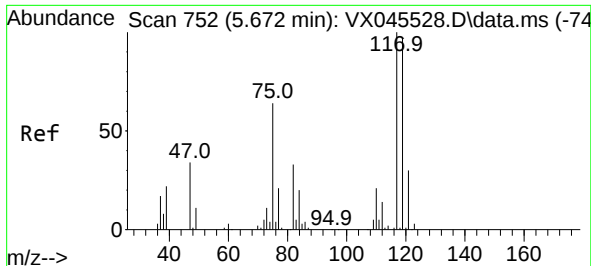
Tgt Ion: 75 Resp: 5928
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 18.880 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 43 Resp: 26042
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#

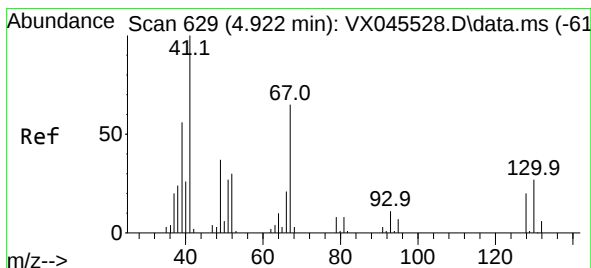
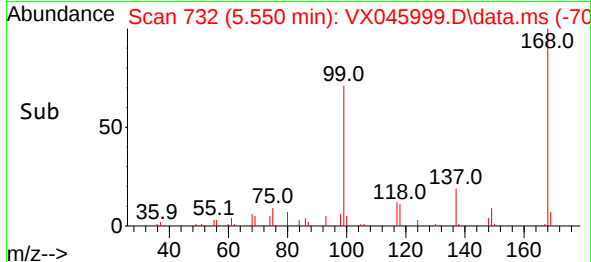
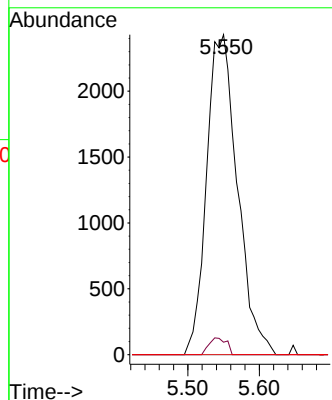
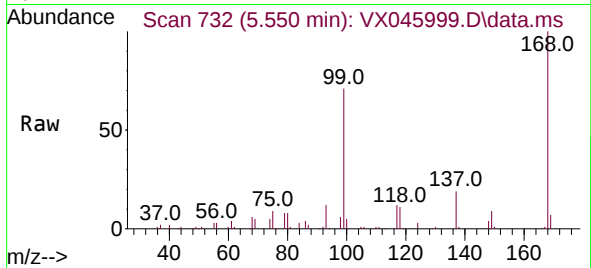




#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

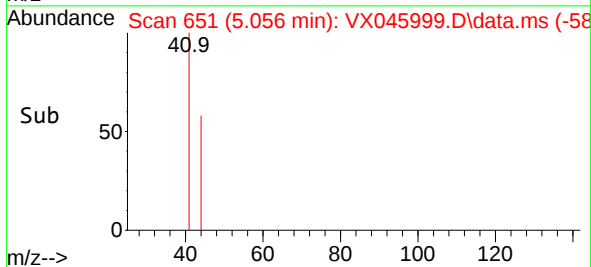
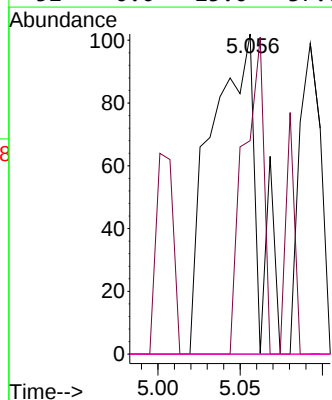
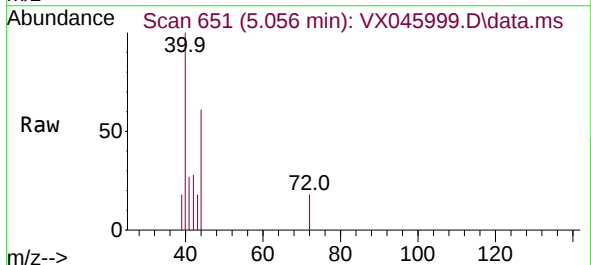
Instrument :
MSVOA_X
ClientSampleId :
WC-4

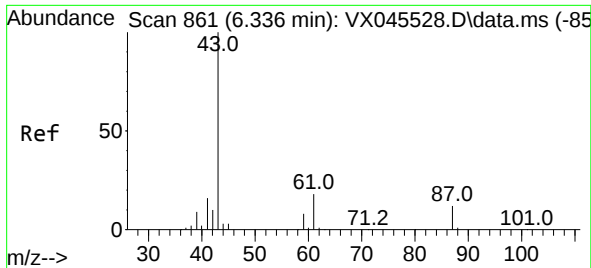
Tgt Ion:117 Resp: 7267
Ion Ratio Lower Upper
117 100
119 3.9 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.278 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.134 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 41 Resp: 202
Ion Ratio Lower Upper
41 100
39 42.6 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

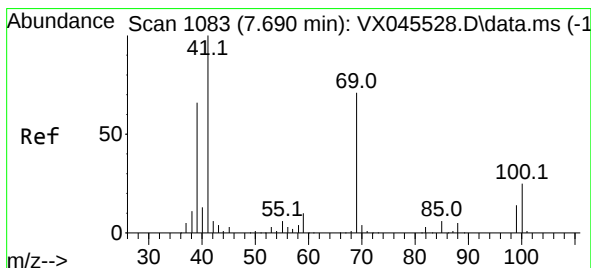
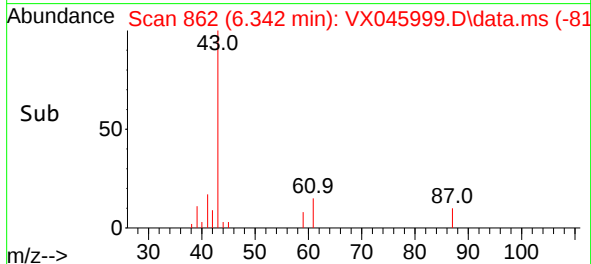
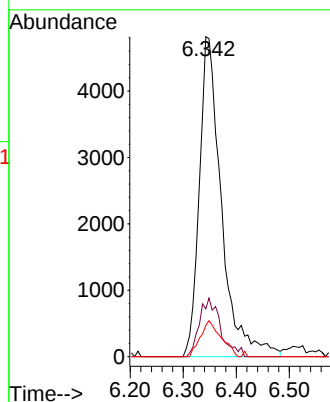
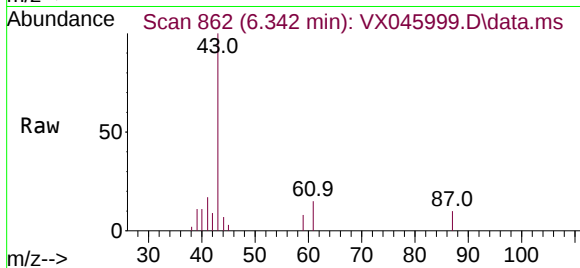




#43
Isopropyl Acetate
Concen: 6.682 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

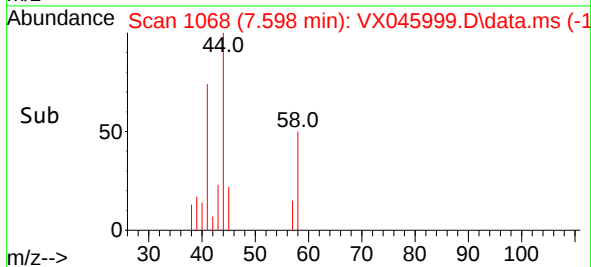
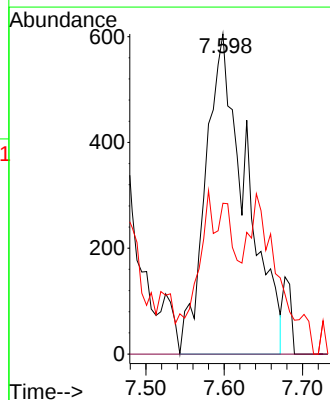
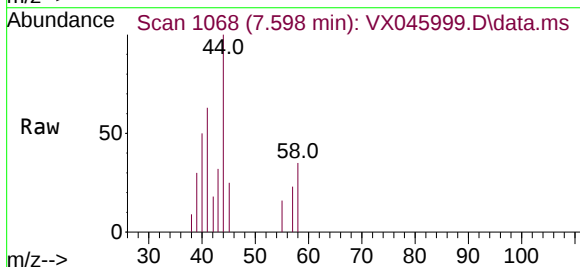
Instrument :
MSVOA_X
ClientSampleId :
WC-4

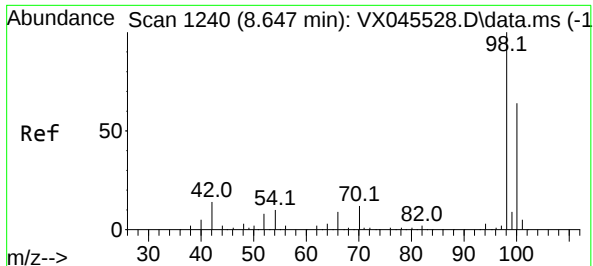
Tgt Ion: 43	Resp: 13970
Ion Ratio	Lower Upper
43 100	
61 17.4	14.1 21.1
87 10.4	9.2 13.8



#48
Methyl methacrylate
Concen: 2.012 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 41	Resp: 2172
Ion Ratio	Lower Upper
41 100	
69 0.0	58.2 87.2#
39 0.0	53.6 80.4#

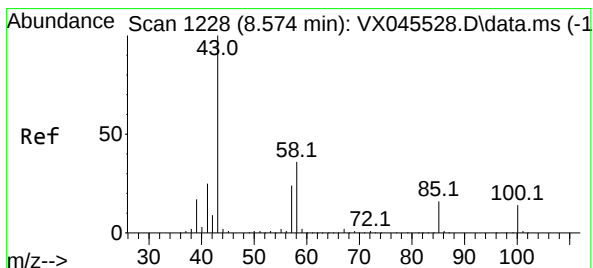
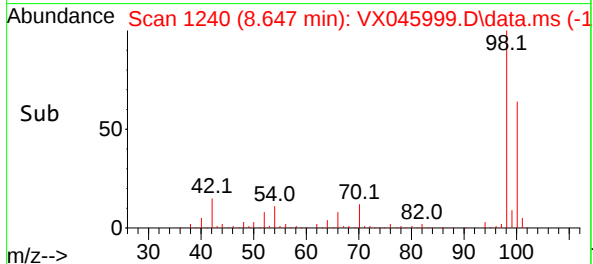
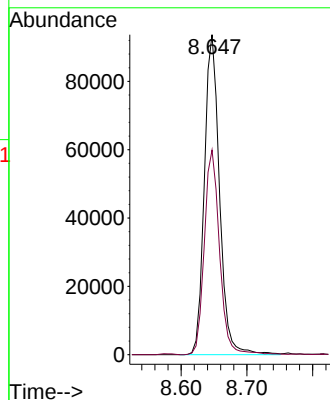
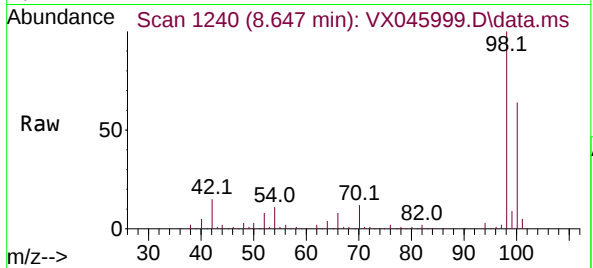




#50
Toluene-d8
Concen: 53.105 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

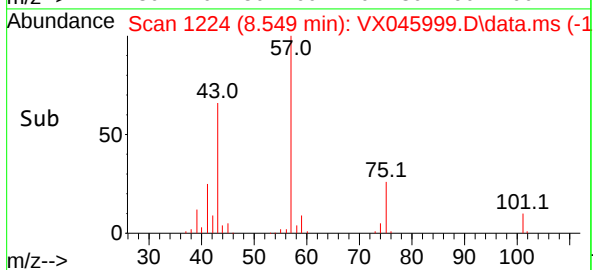
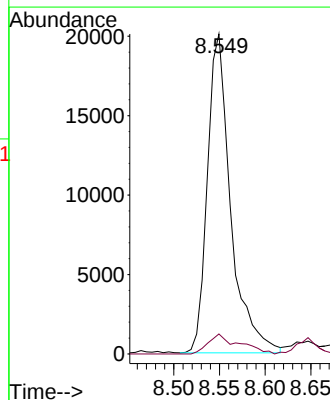
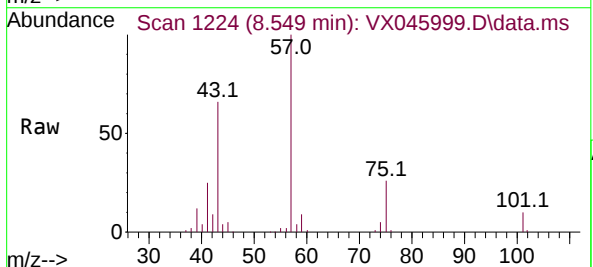
Instrument :
MSVOA_X
ClientSampleId :
WC-4

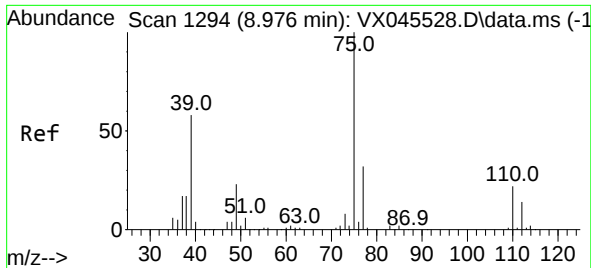
Tgt Ion: 98 Resp: 150262
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.625 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 43 Resp: 35514
Ion Ratio Lower Upper
43 100
58 8.3 28.5 42.7#

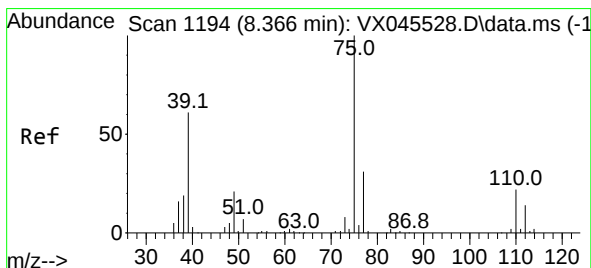
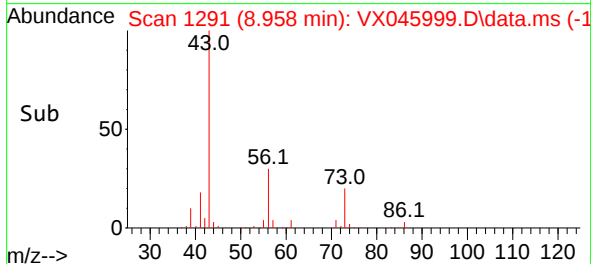
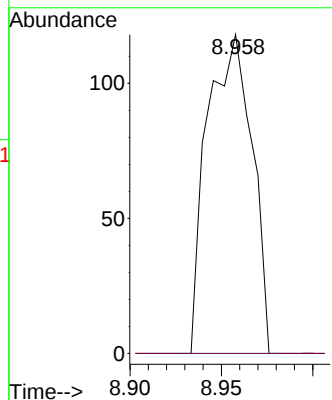
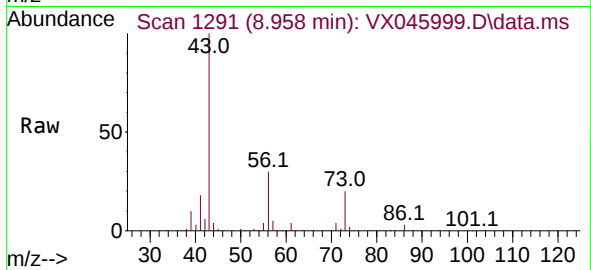




#53
 t-1,3-Dichloropropene
 Concen: 2.445 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX045999.D
 Acq: 30 Apr 2025 15:40

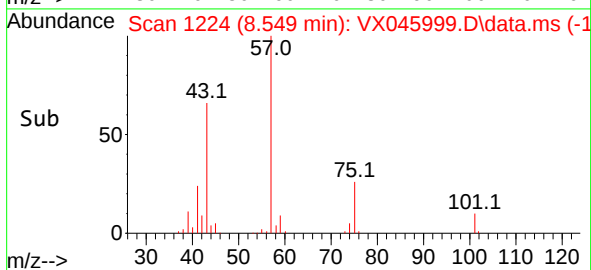
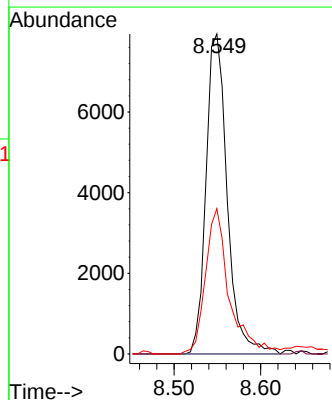
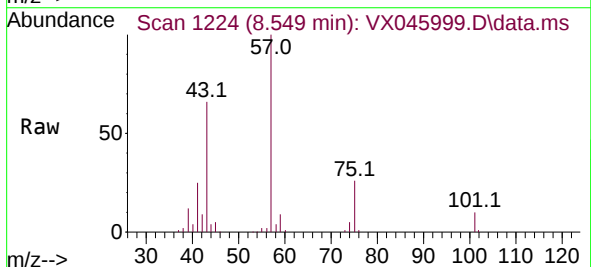
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

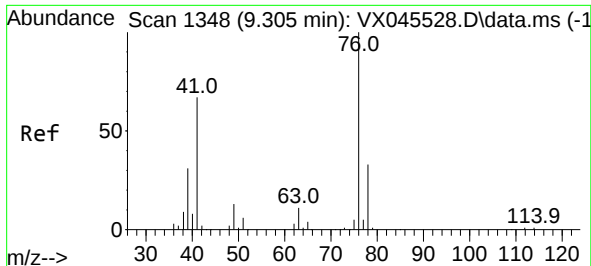
Tgt Ion: 75 Resp: 201
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.208 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045999.D
 Acq: 30 Apr 2025 15:40

Tgt Ion: 75 Resp: 13467
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.964 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045999.D

Acq: 30 Apr 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

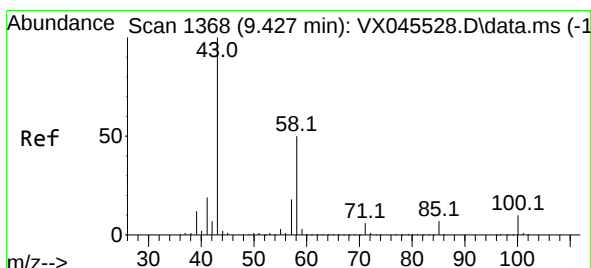
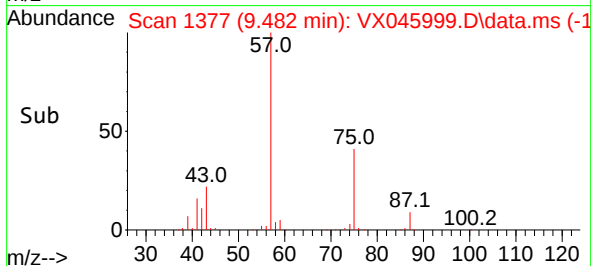
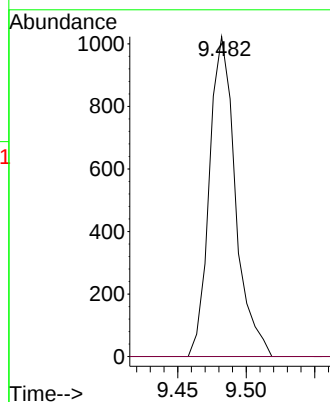
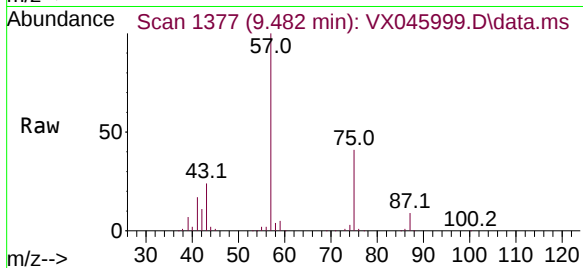
WC-4

Tgt Ion: 76 Resp: 1353

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.278 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX045999.D

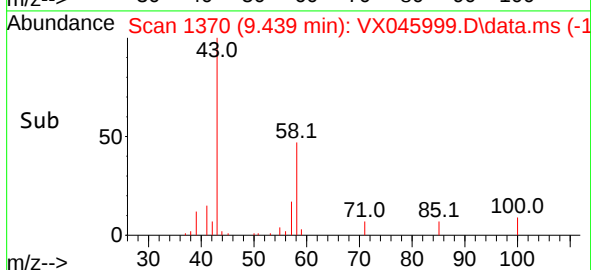
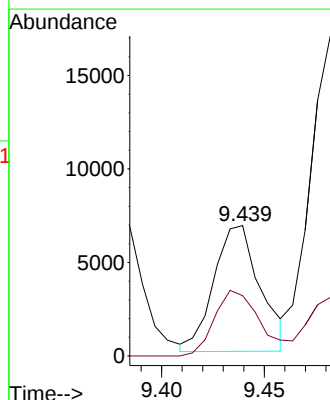
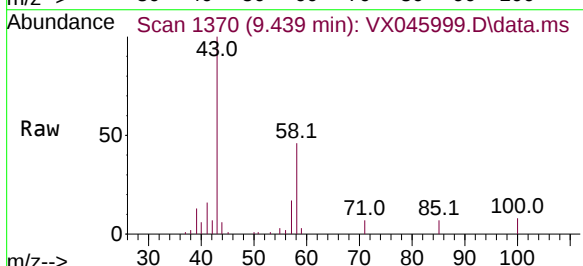
Acq: 30 Apr 2025 15:40

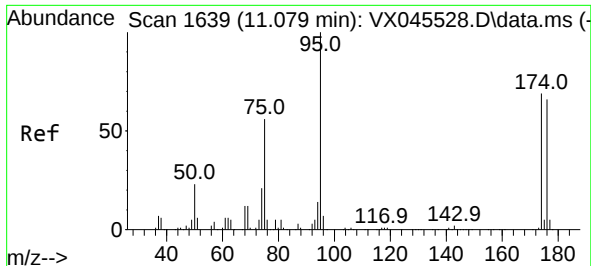
Tgt Ion: 43 Resp: 10548

Ion Ratio Lower Upper

43 100

58 53.0 24.9 74.6





#62

4-Bromofluorobenzene

Concen: 54.453 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045999.D

Acq: 30 Apr 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

WC-4

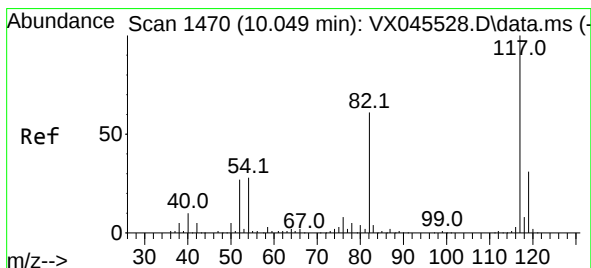
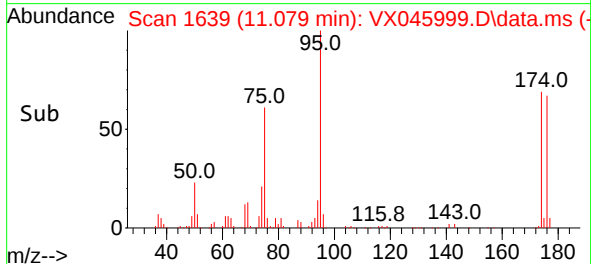
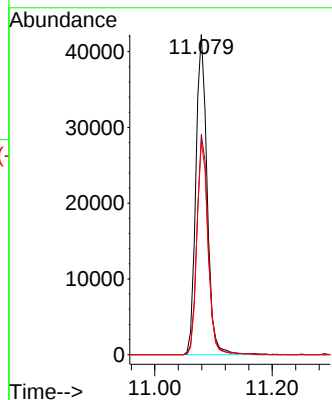
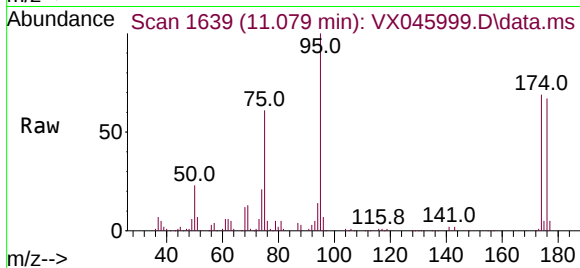
Tgt Ion: 95 Resp: 56122

Ion Ratio Lower Upper

95 100

174 68.7 0.0 135.8

176 66.0 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: VX045999.D

Acq: 30 Apr 2025 15:40

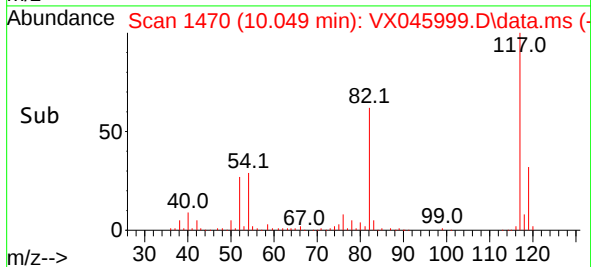
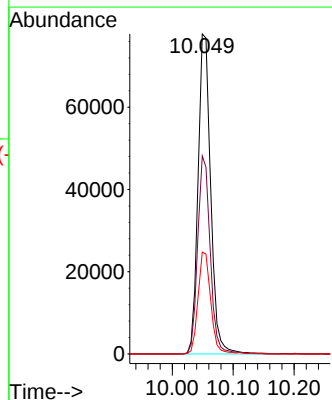
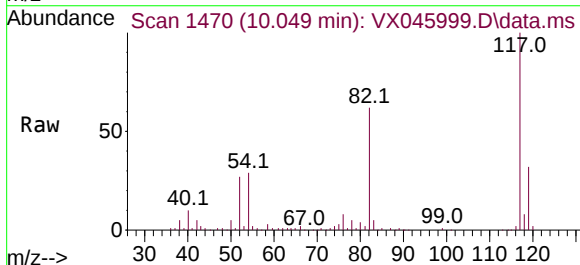
Tgt Ion: 117 Resp: 112397

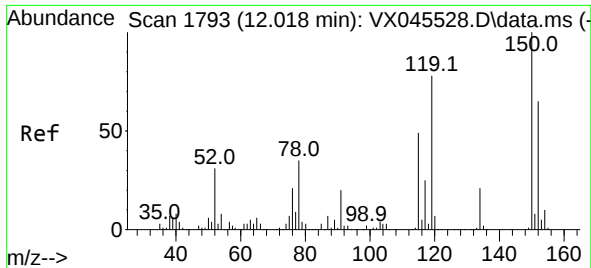
Ion Ratio Lower Upper

117 100

82 61.9 49.2 73.8

119 31.8 25.1 37.7

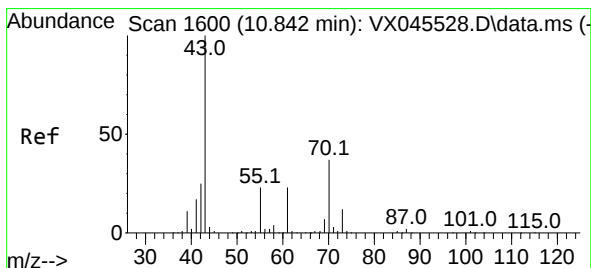
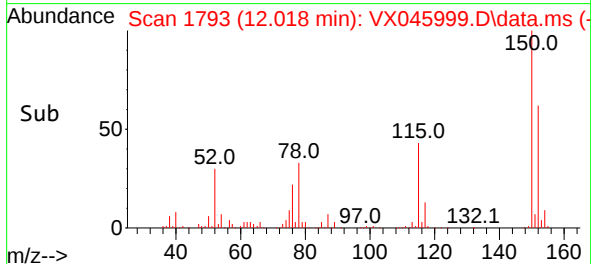
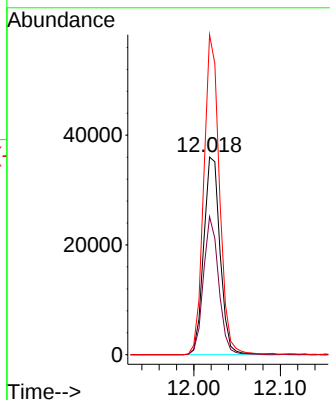
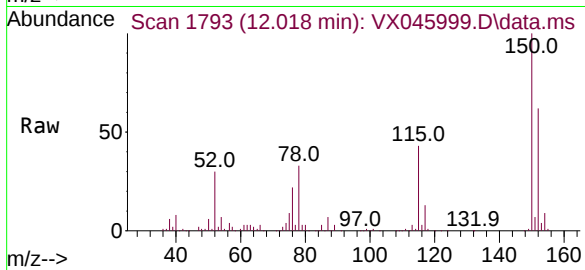




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

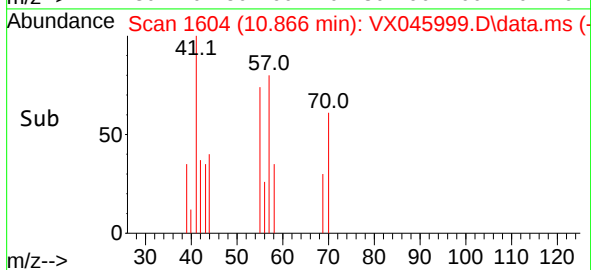
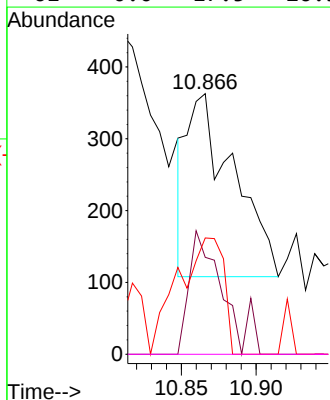
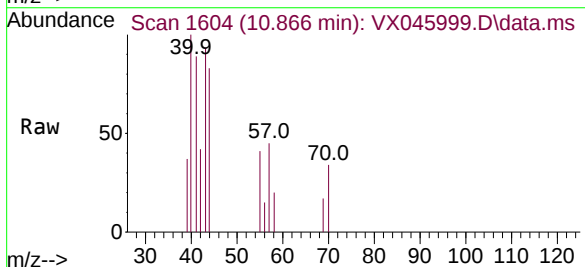
Instrument :
MSVOA_X
ClientSampleId :
WC-4

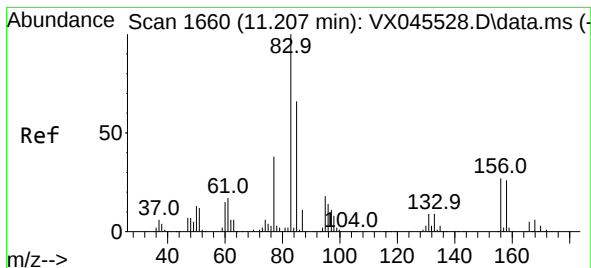
Tgt Ion:152 Resp: 47225
Ion Ratio Lower Upper
152 100
115 65.2 46.9 140.7
150 154.6 0.0 349.4



#74
N-ethyl acetate
Concen: 0.306 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.024 min
Lab File: VX045999.D
Acq: 30 Apr 2025 15:40

Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
70 43.8 30.1 45.1
55 62.2 18.3 27.5#
61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.206 ug/l

RT: 11.281 min Scan# 1

Delta R.T. 0.073 min

Lab File: VX045999.D

Acq: 30 Apr 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

WC-4

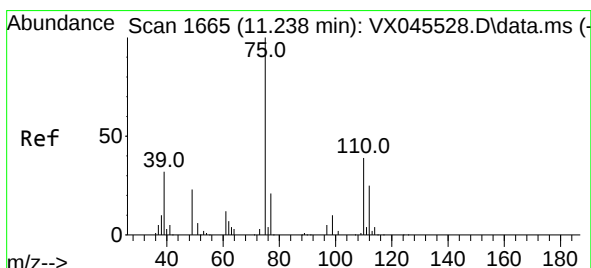
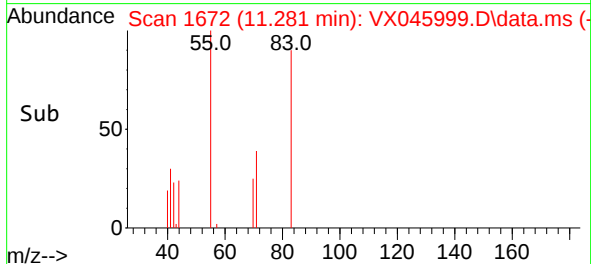
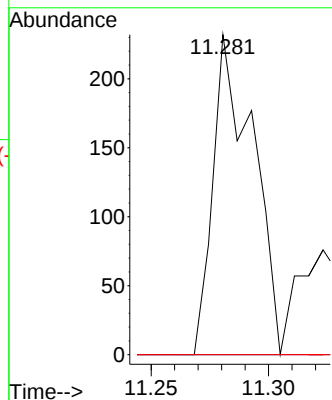
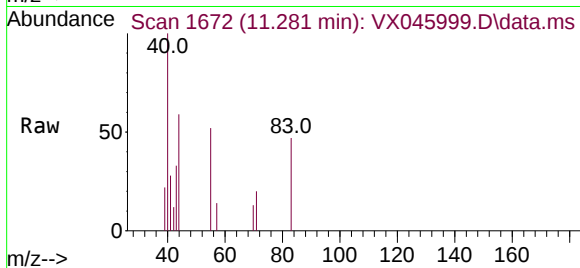
Tgt Ion: 83 Resp: 274

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 28.306 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045999.D

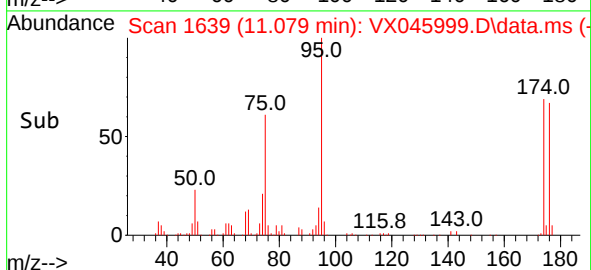
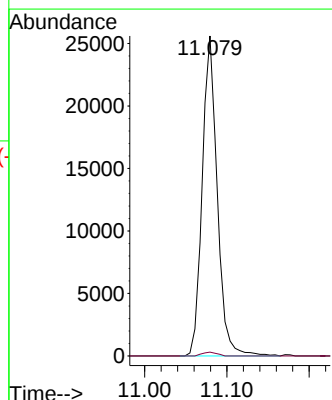
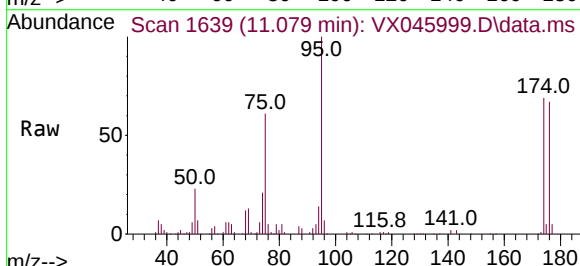
Acq: 30 Apr 2025 15:40

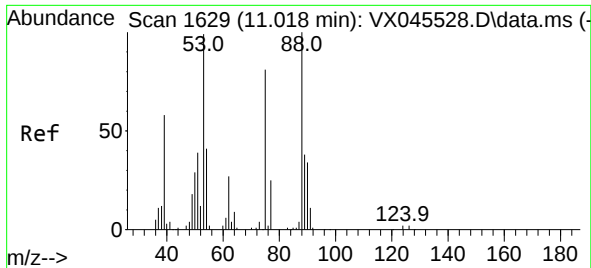
Tgt Ion: 75 Resp: 32607

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.069 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045999.D
 Acq: 30 Apr 2025 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

Tgt Ion: 75 Resp: 32607
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

