

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046000.D
 Acq On : 30 Apr 2025 16:03
 Operator : JC/MD
 Sample : Q1906-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

Quant Time: May 01 03:38:09 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)

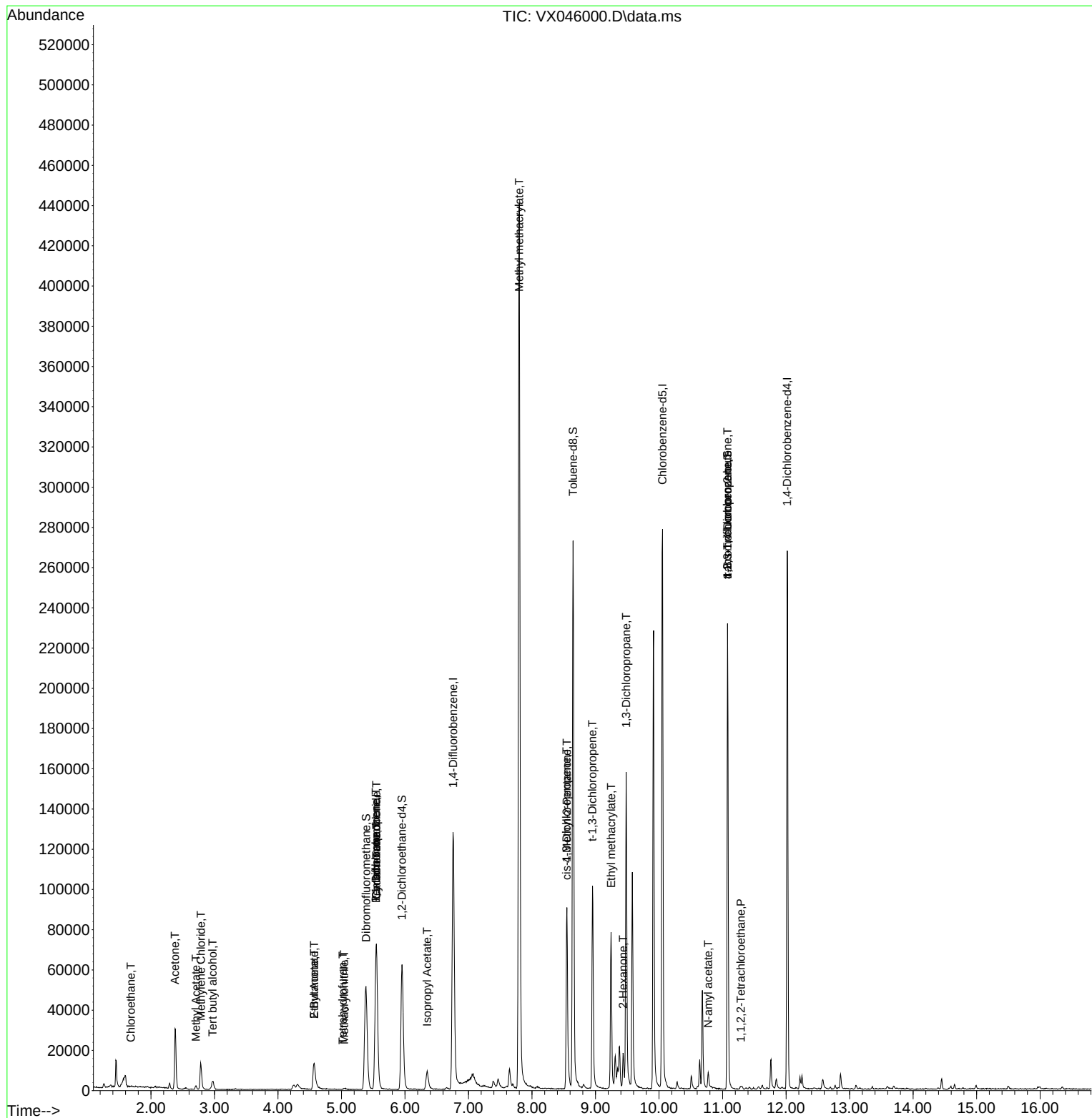
Internal Standards						
1) Pentafluorobenzene	5.543	168	61083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63302	56.669	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.340%	
35) Dibromofluoromethane	5.385	113	44980	51.458	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.920%	
50) Toluene-d8	8.646	98	154369	50.596	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	58022	52.210	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.420%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.684	64	234	0.514	ug/l #	42
11) Tert butyl alcohol	2.971	59	4955	33.006	ug/l	98
16) Acetone	2.379	43	32947	71.828	ug/l	97
18) Methyl Acetate	2.708	43	2329	2.205	ug/l	93
20) Methylene Chloride	2.788	84	5639	6.567	ug/l	95
25) 2-Butanone	4.568	43	25340	37.740	ug/l	99
29) Tetrahydrofuran	5.019	42	159	0.365	ug/l #	35
31) Cyclohexane	5.549	56	1945	1.419	ug/l #	23
36) 1,1-Dichloropropene	5.543	75	6355	5.385	ug/l #	50
37) Ethyl Acetate	4.568	43	25340	17.037	ug/l #	71
38) Carbon Tetrachloride	5.549	117	7376	5.783	ug/l #	15
41) Methacrylonitrile	5.043	41	195	0.248	ug/l #	34
43) Isopropyl Acetate	6.348	43	13707	6.081	ug/l	98
48) Methyl methacrylate	7.799	41	44193	37.969	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	36616	24.502	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	192	2.427	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	13855	10.694	ug/l #	67
56) Ethyl methacrylate	9.244	69	283	0.210	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1403	0.927	ug/l #	42
59) 2-Hexanone	9.433	43	10625	9.601	ug/l	97
74) N-amyl acetate	10.774	43	5352	2.849	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.286	83	354	0.257	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	33532	28.035	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33532	95.147	ug/l #	1

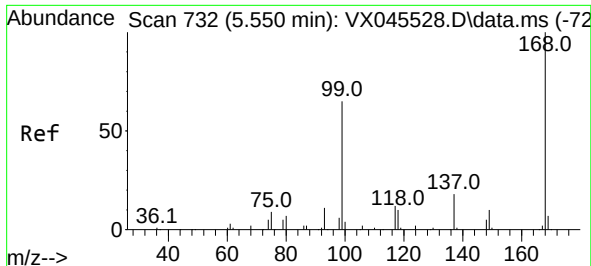
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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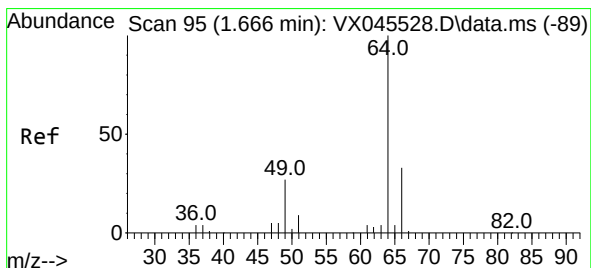
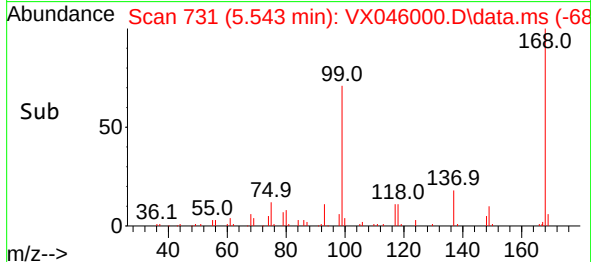
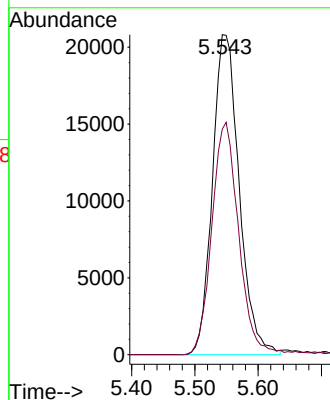
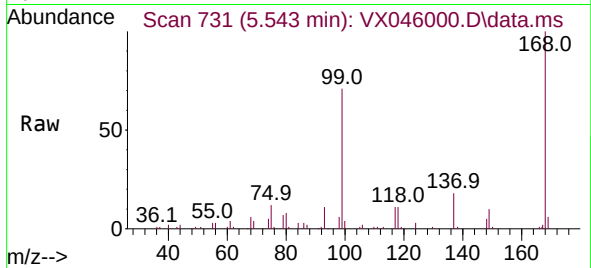




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

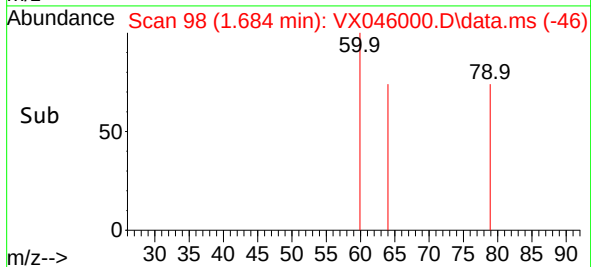
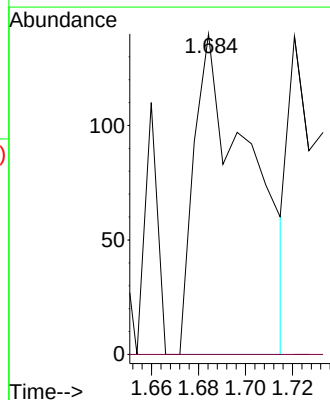
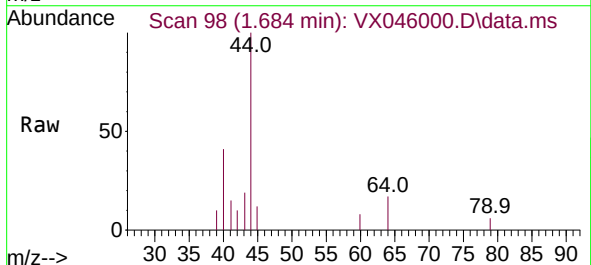
Instrument :
MSVOA_X
ClientSampleId :
WC-5

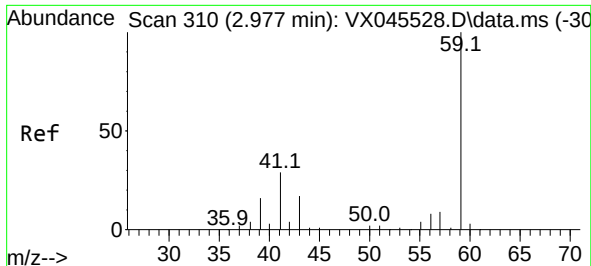
Tgt Ion:168 Resp: 61083
Ion Ratio Lower Upper
168 100
99 70.5 52.3 78.5



#6
Chloroethane
Concen: 0.514 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 64 Resp: 234
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5

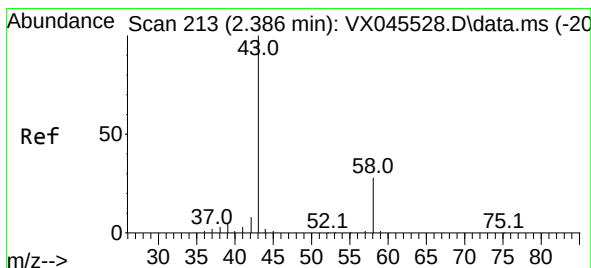
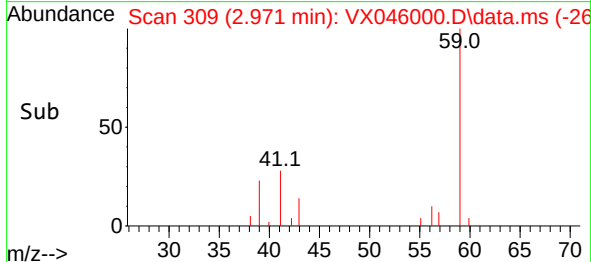
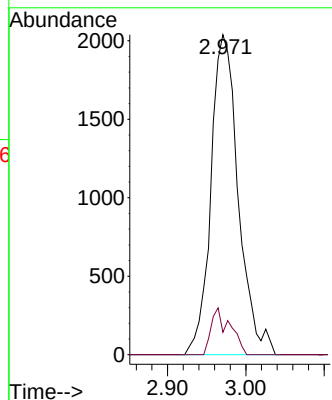
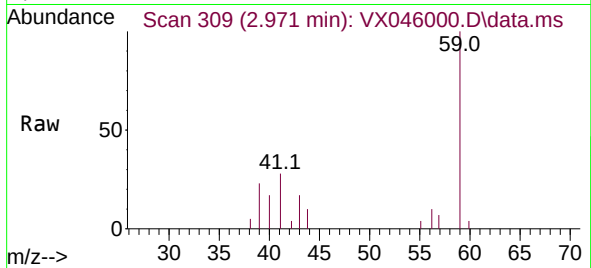




#11
Tert butyl alcohol
Concen: 33.006 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

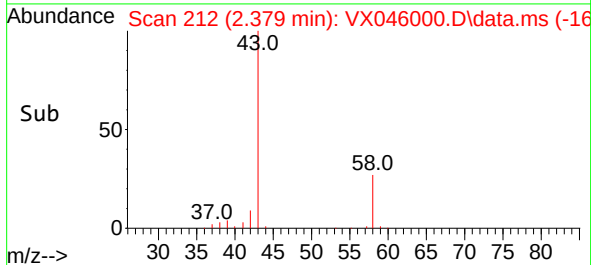
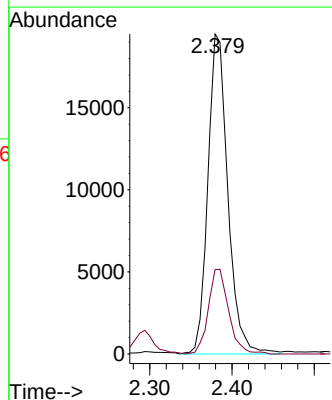
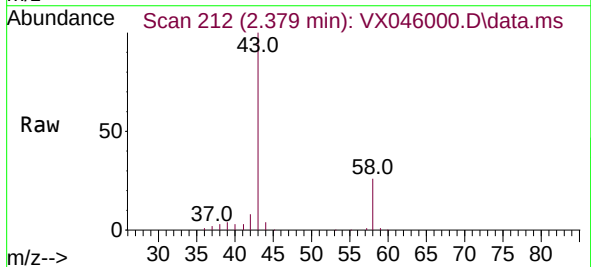
Instrument :
MSVOA_X
ClientSampleId :
WC-5

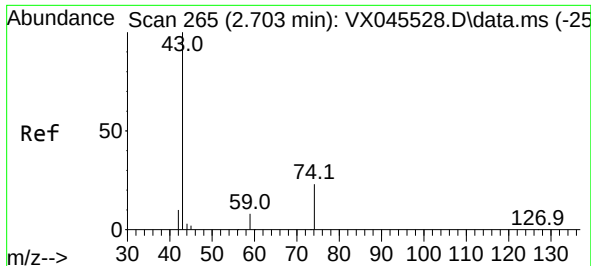
Tgt Ion: 59 Resp: 4955
Ion Ratio Lower Upper
59 100
57 10.1 8.6 12.8



#16
Acetone
Concen: 71.828 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 43 Resp: 32947
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5

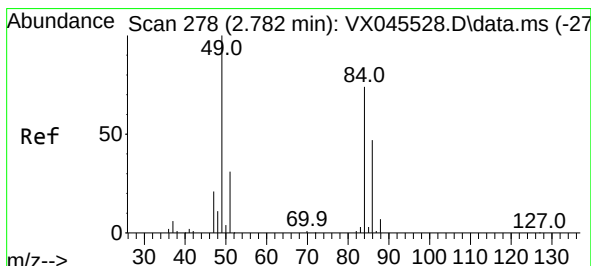
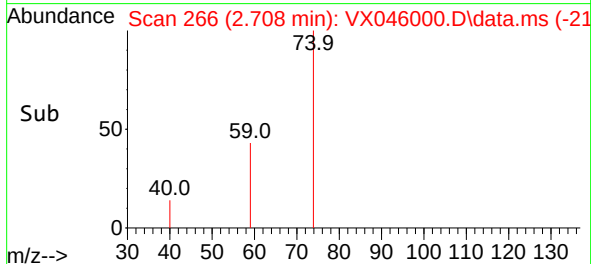
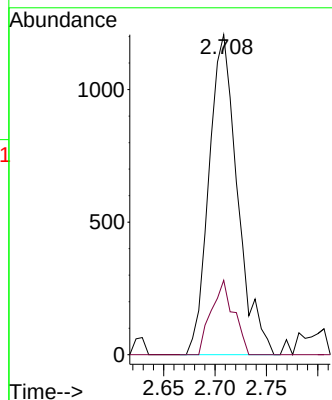
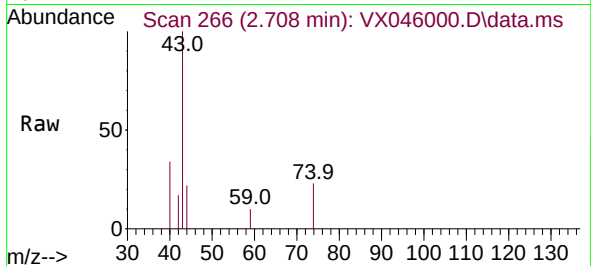




#18
Methyl Acetate
Concen: 2.205 ug/l
RT: 2.708 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

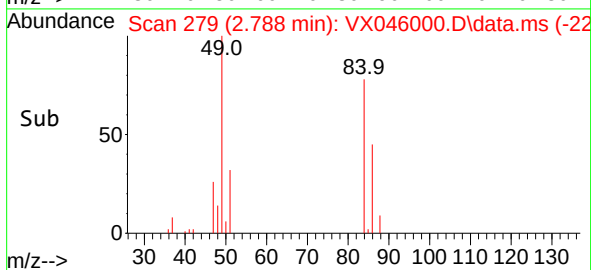
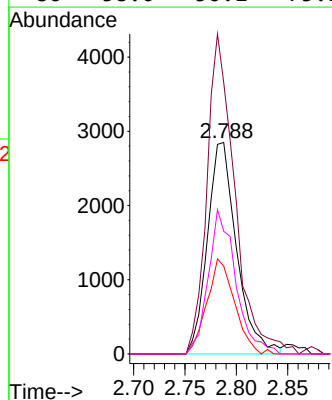
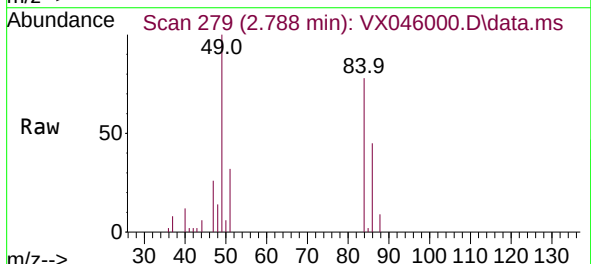
Instrument :
MSVOA_X
ClientSampleId :
WC-5

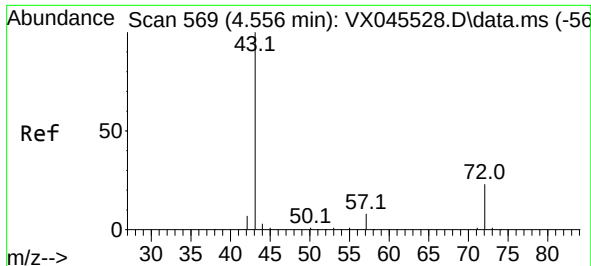
Tgt Ion: 43 Resp: 2329
Ion Ratio Lower Upper
43 100
74 18.3 17.5 26.3



#20
Methylene Chloride
Concen: 6.567 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 84 Resp: 5639
Ion Ratio Lower Upper
84 100
49 128.3 107.5 161.3
51 41.6 33.0 49.6
86 58.0 50.1 75.1

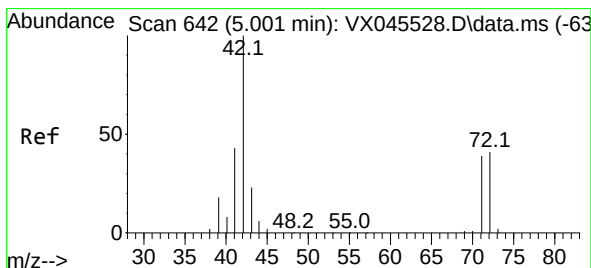
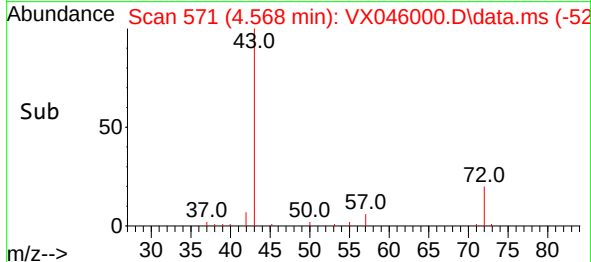
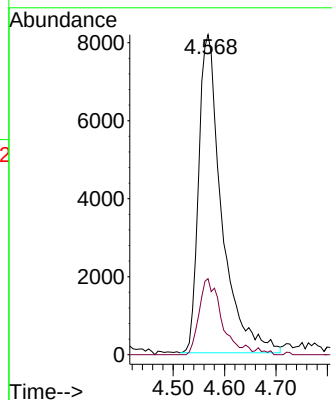
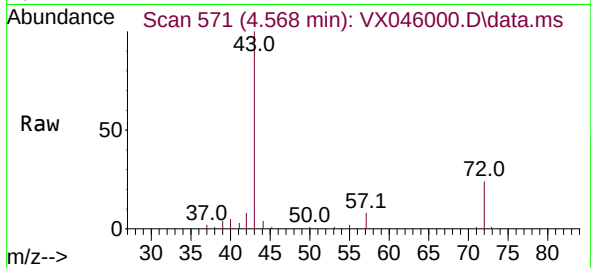




#25
2-Butanone
Concen: 37.740 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

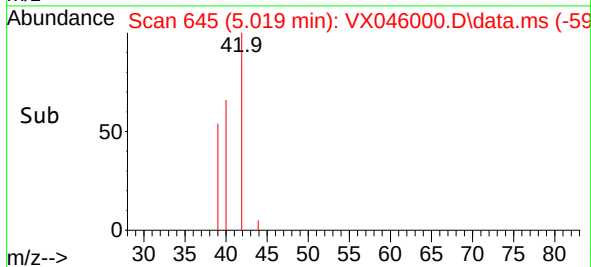
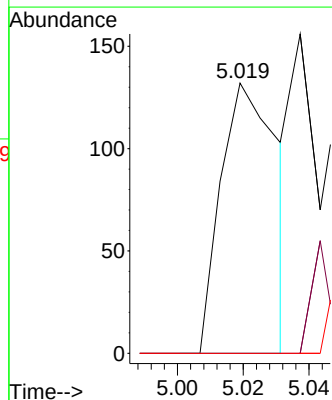
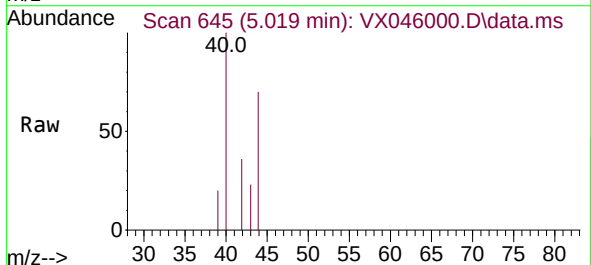
Instrument :
MSVOA_X
ClientSampleId :
WC-5

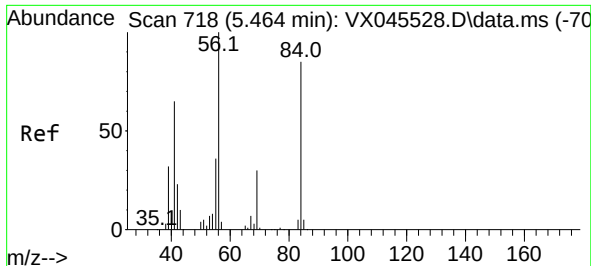
Tgt Ion: 43 Resp: 25340
Ion Ratio Lower Upper
43 100
72 23.9 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 42 Resp: 159
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

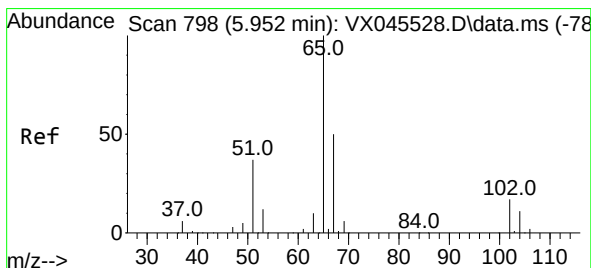
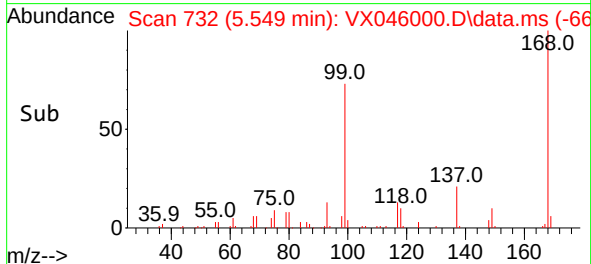
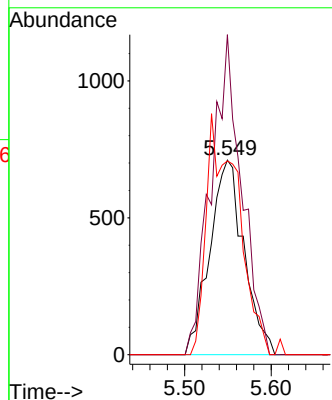
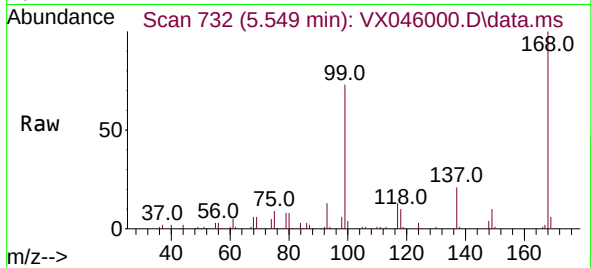




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

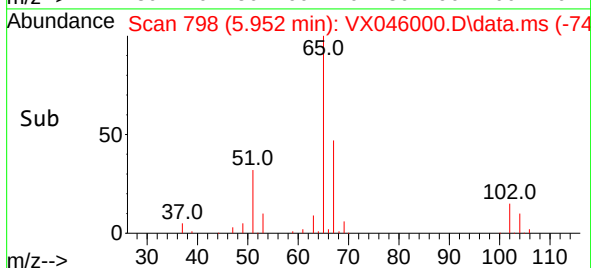
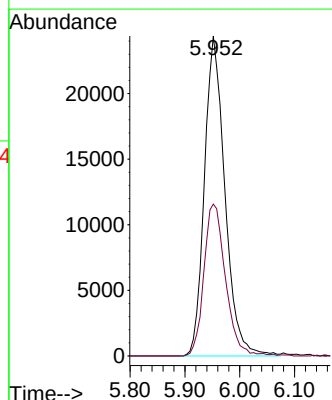
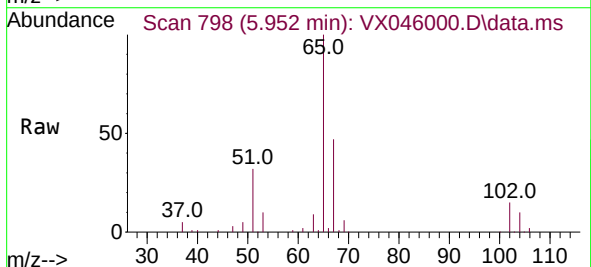
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ClientSampleId :
WC-5

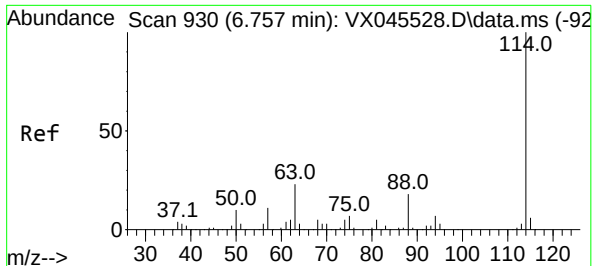
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 164.4 23.6 35.4#
84 99.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 56.669 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 65 Resp: 63302
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.0

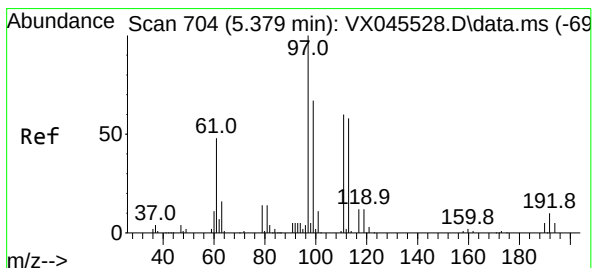
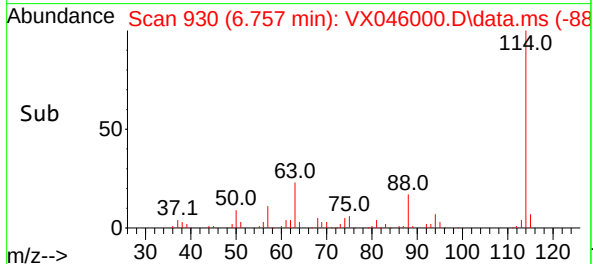
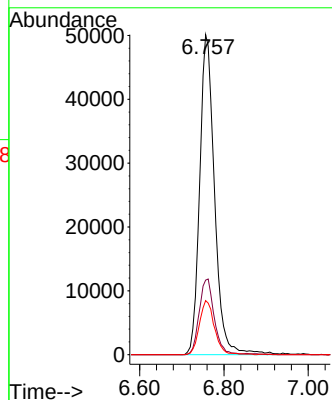
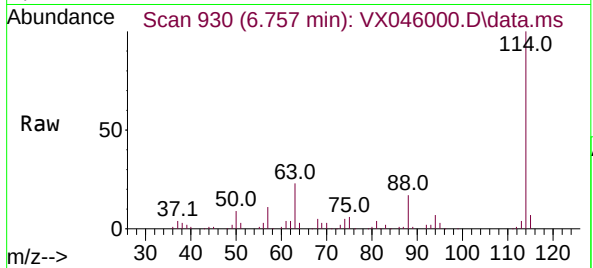




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

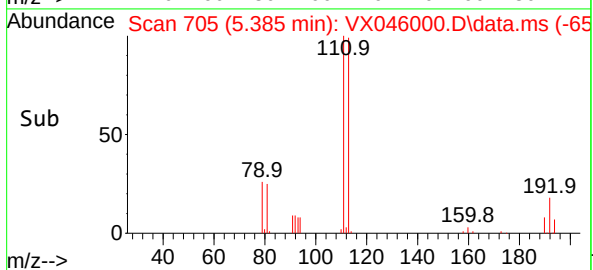
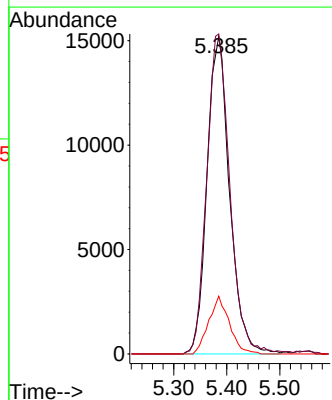
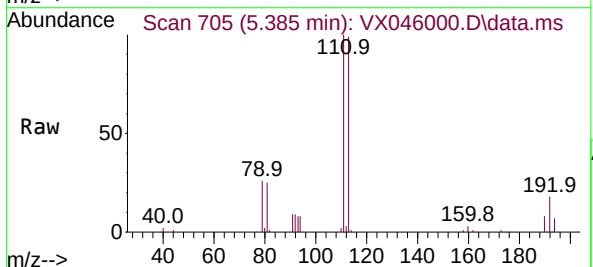
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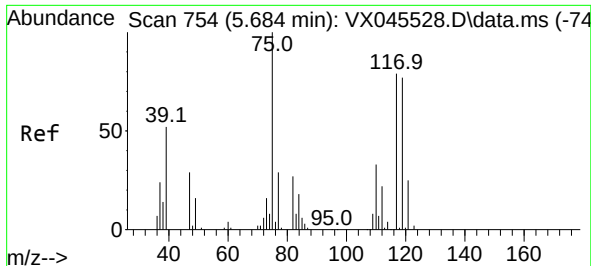
Tgt Ion:114 Resp: 123201
Ion Ratio Lower Upper
114 100
63 23.3 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.458 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion:113 Resp: 44980
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.385 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX046000.D

Acq: 30 Apr 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

WC-5

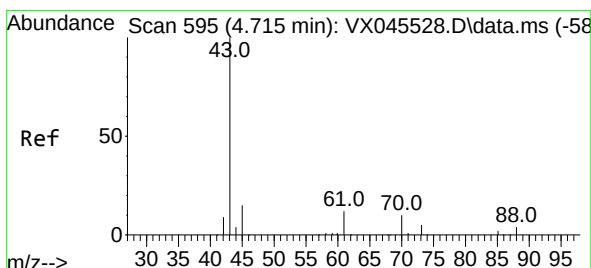
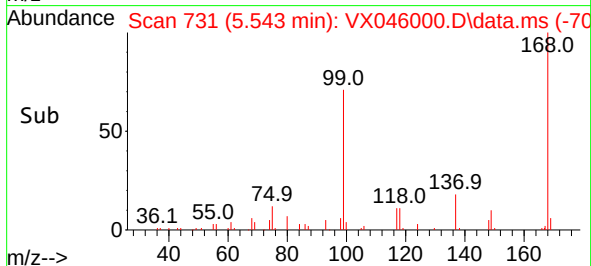
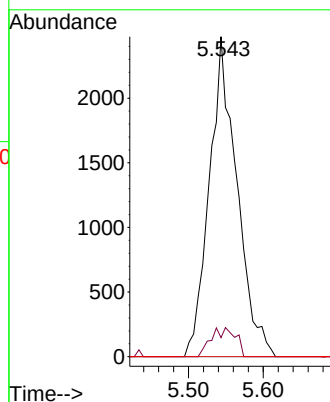
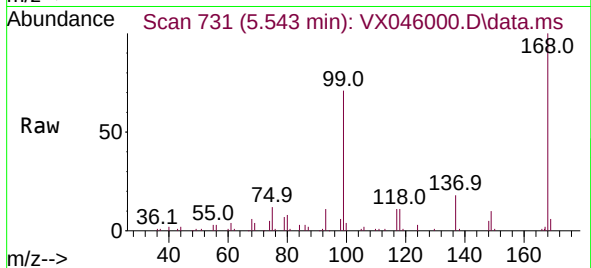
Tgt Ion: 75 Resp: 6355

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 17.037 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.147 min

Lab File: VX046000.D

Acq: 30 Apr 2025 16:03

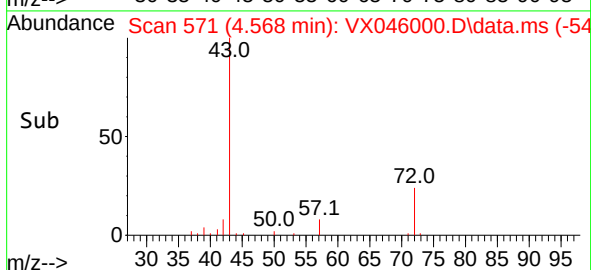
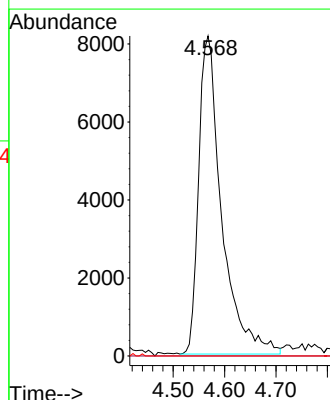
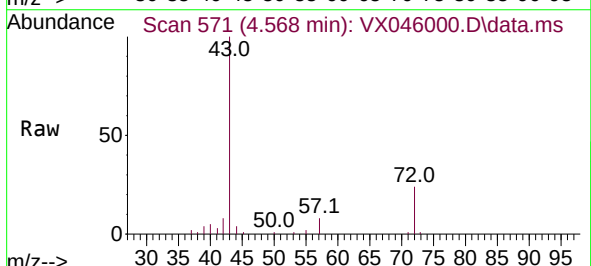
Tgt Ion: 43 Resp: 25340

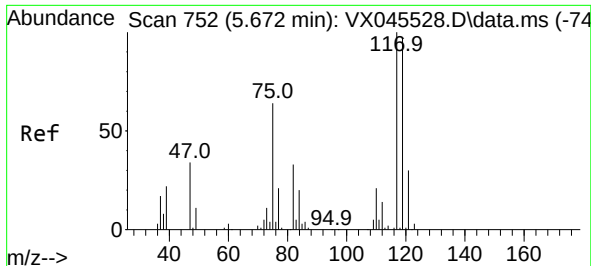
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#

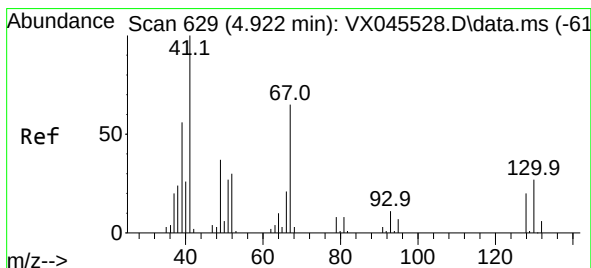
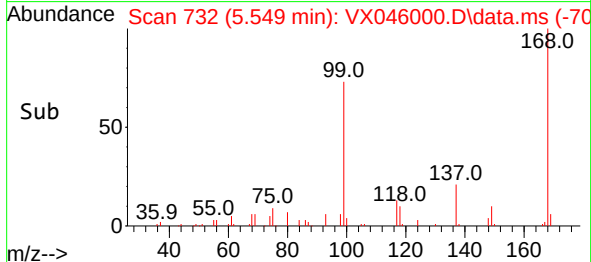
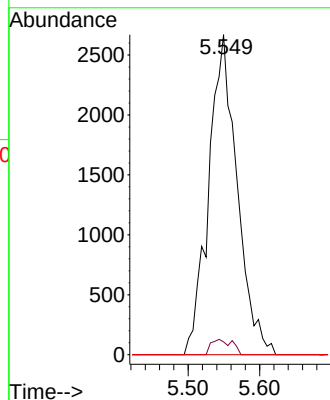
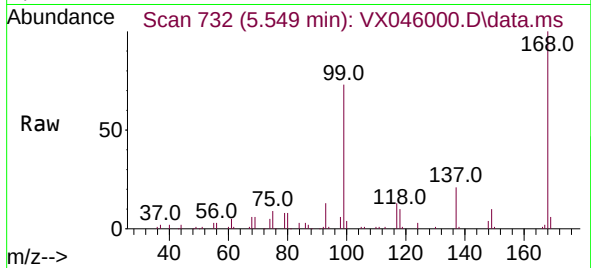




#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

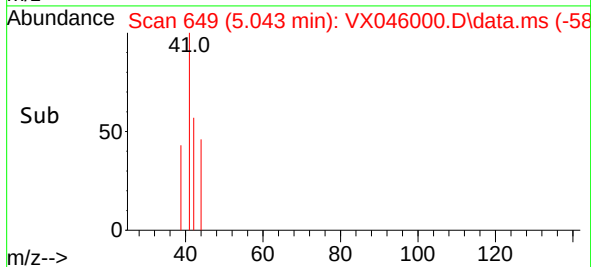
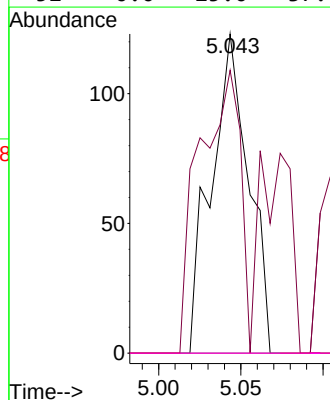
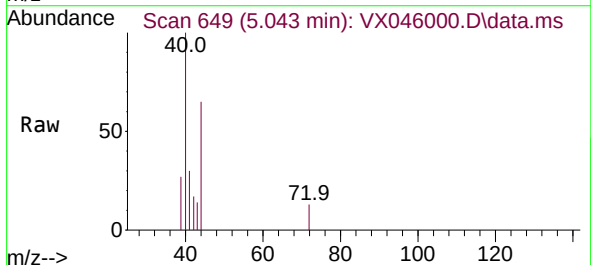
Instrument :
MSVOA_X
ClientSampleId :
WC-5

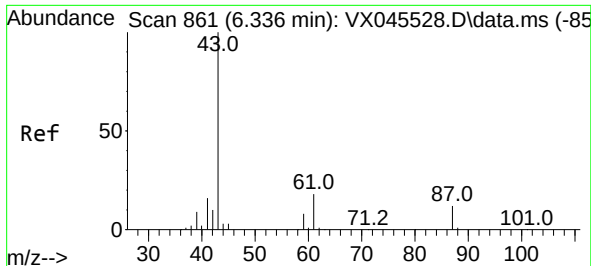
Tgt Ion:117 Resp: 7376
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.248 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 41 Resp: 195
Ion Ratio Lower Upper
41 100
39 96.9 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

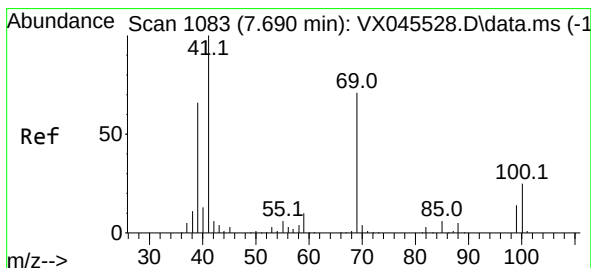
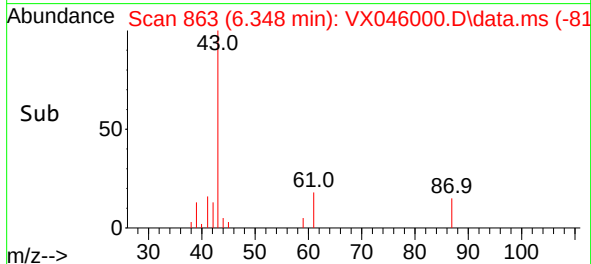
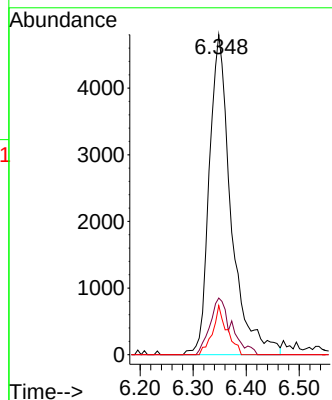
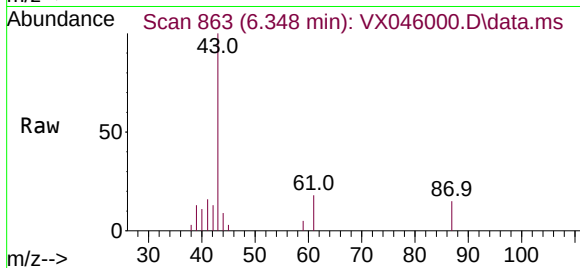




#43
Isopropyl Acetate
Concen: 6.081 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

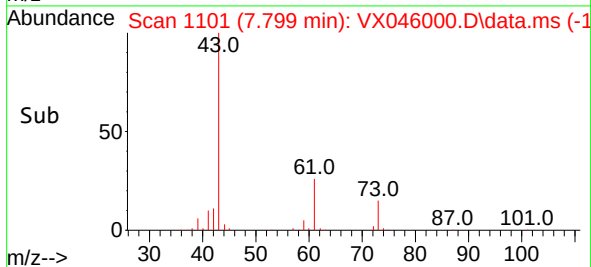
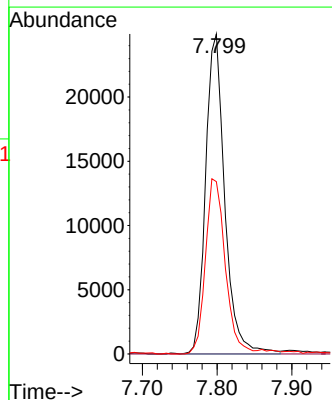
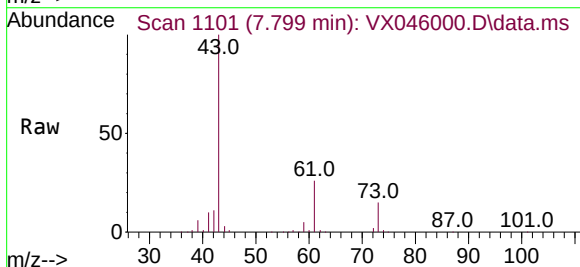
Instrument :
MSVOA_X
ClientSampleId :
WC-5

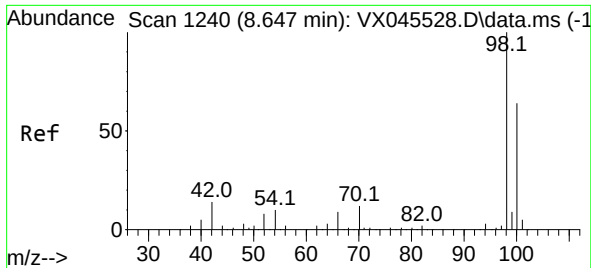
Tgt Ion: 43 Resp: 13707
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 10.1 9.2 13.8



#48
Methyl methacrylate
Concen: 37.969 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 41 Resp: 44193
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 56.8 53.6 80.4

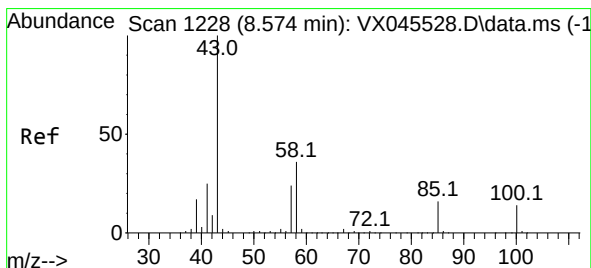
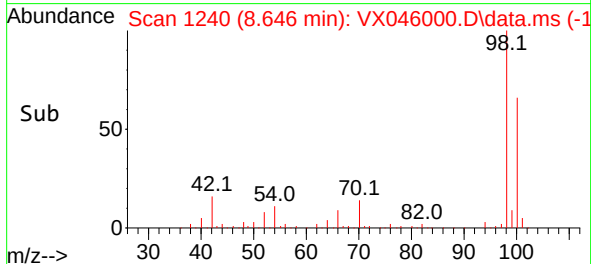
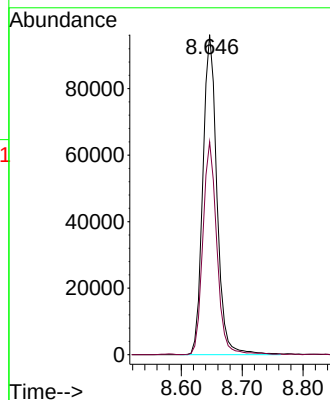
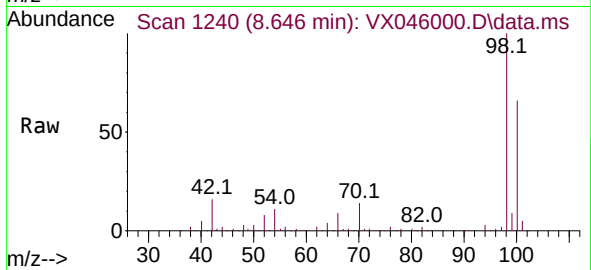




#50
Toluene-d8
Concen: 50.596 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

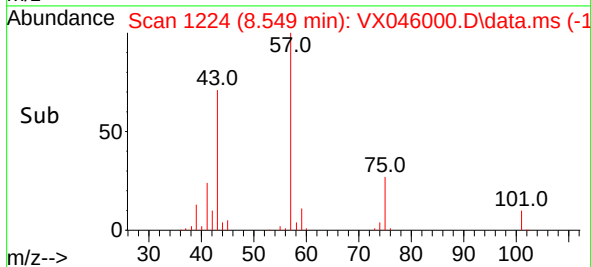
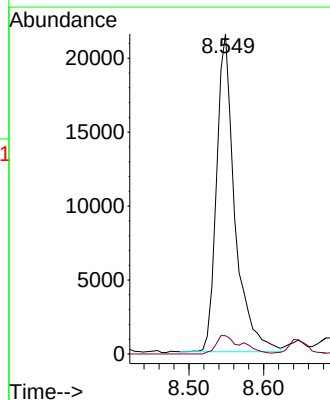
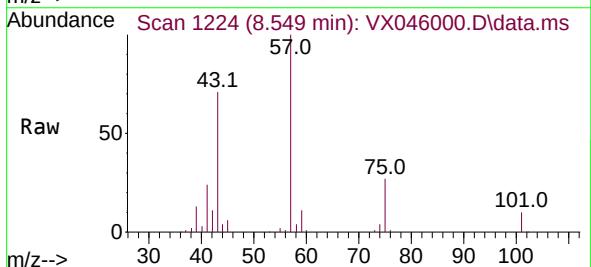
Instrument :
MSVOA_X
ClientSampleId :
WC-5

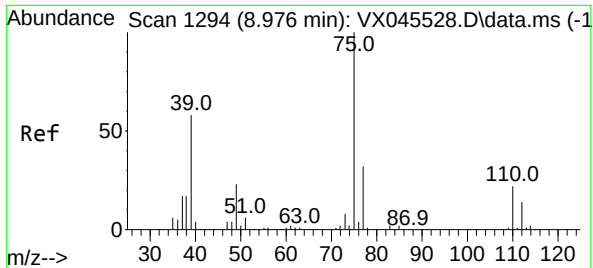
Tgt Ion: 98 Resp: 154369
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.502 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 43 Resp: 36616
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#

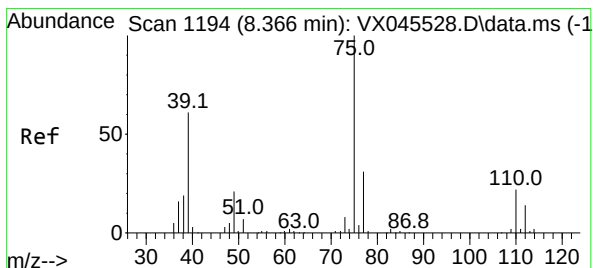
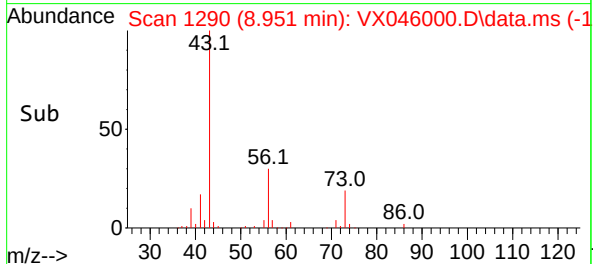
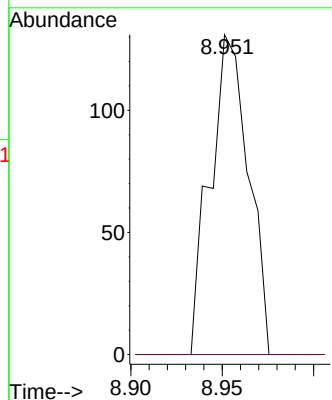
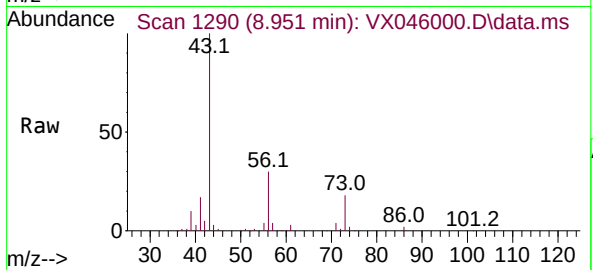




#53
 t-1,3-Dichloropropene
 Concen: 2.427 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX046000.D
 Acq: 30 Apr 2025 16:03

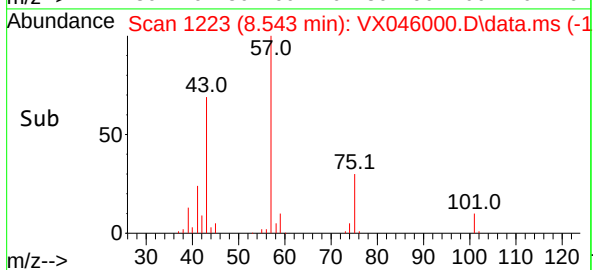
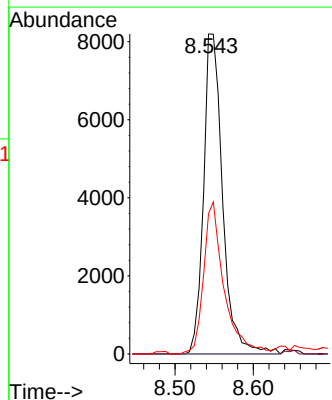
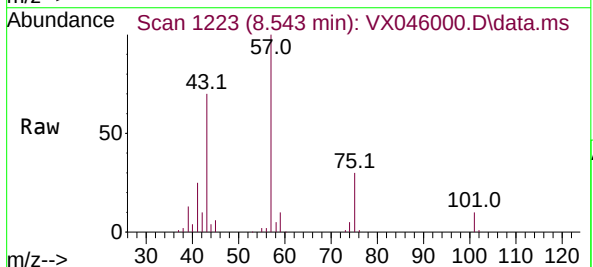
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-5

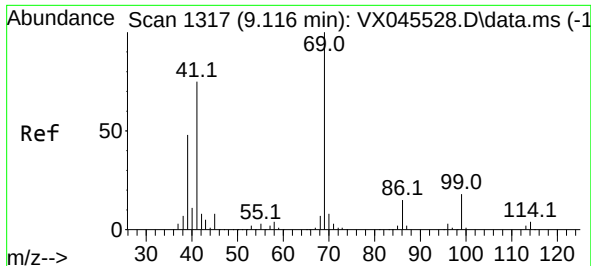
Tgt Ion: 75 Resp: 192
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.694 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX046000.D
 Acq: 30 Apr 2025 16:03

Tgt Ion: 75 Resp: 13855
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.8 48.4 72.6#

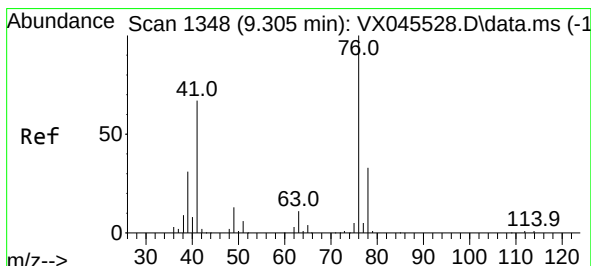
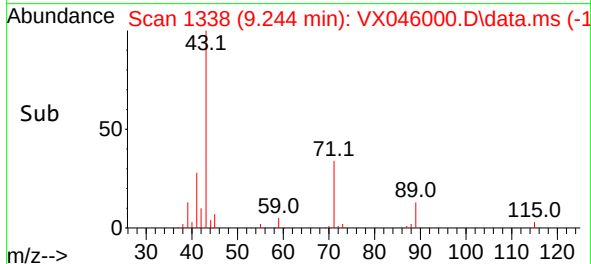
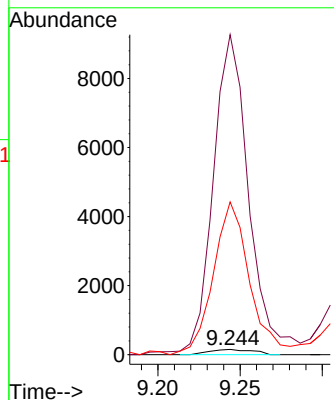
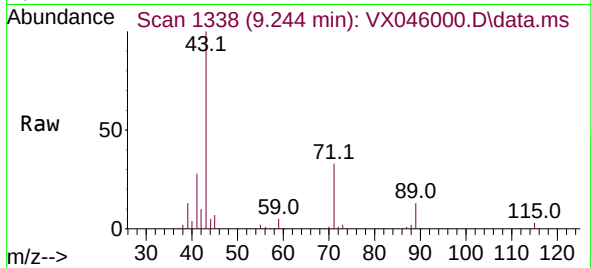




#56
Ethyl methacrylate
Concen: 0.210 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

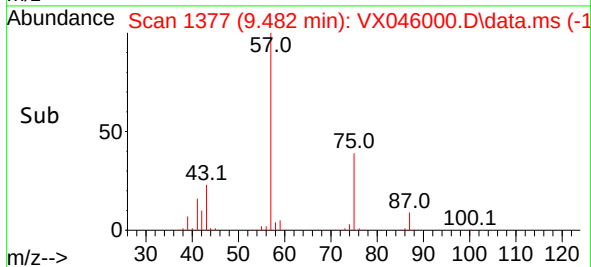
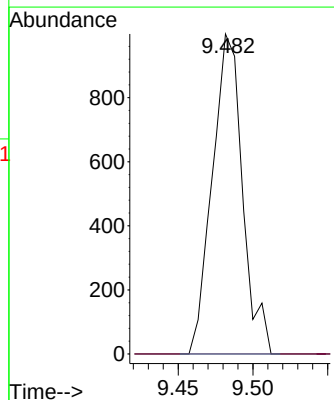
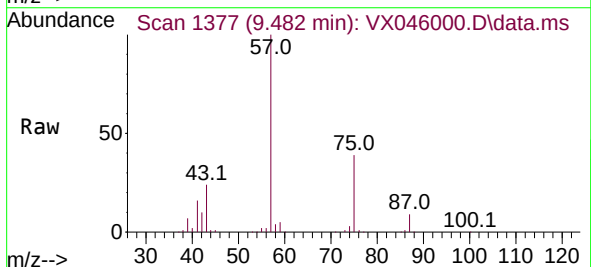
Instrument :
MSVOA_X
ClientSampleId :
WC-5

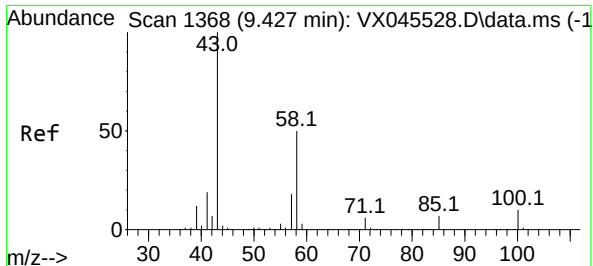
Tgt Ion: 69 Resp: 283
Ion Ratio Lower Upper
69 100
41 4976.3 61.3 91.9#
39 2392.6 40.2 60.2#



#57
1,3-Dichloropropane
Concen: 0.927 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 76 Resp: 1403
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

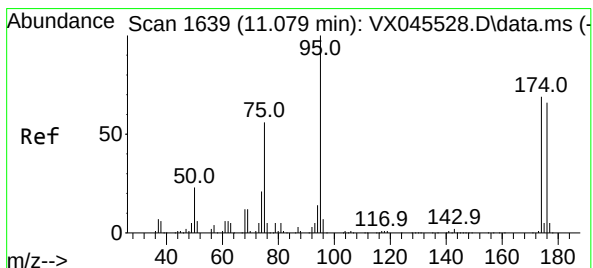
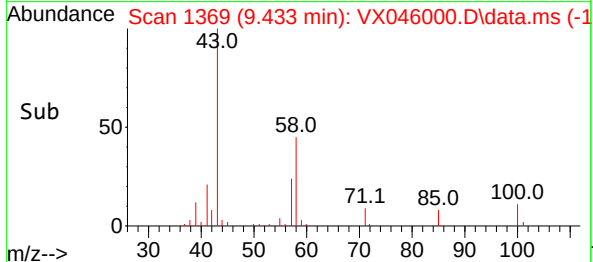
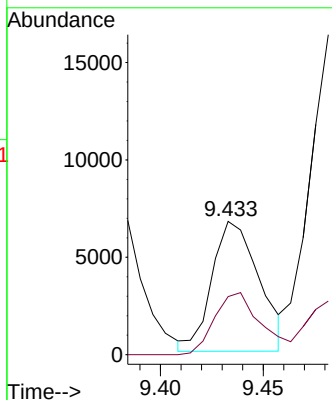
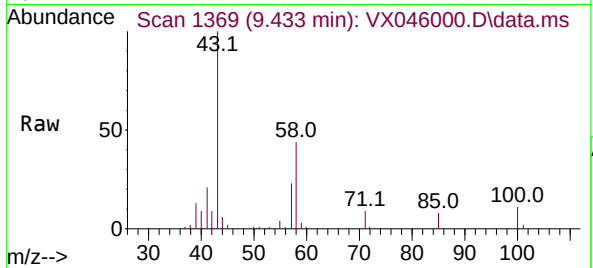




#59
2-Hexanone
Concen: 9.601 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

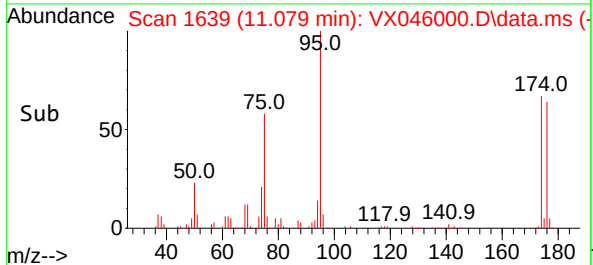
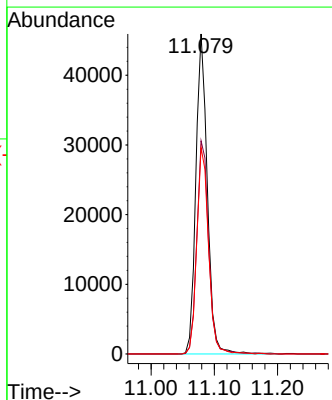
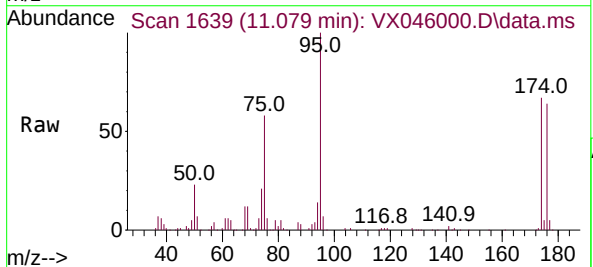
Instrument :
MSVOA_X
ClientSampleId :
WC-5

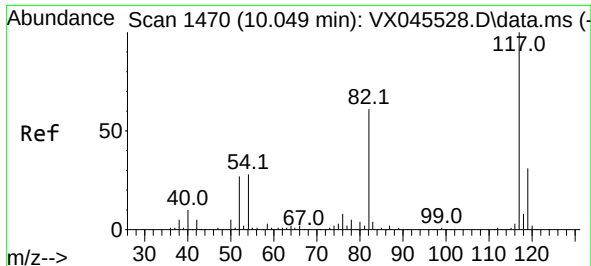
Tgt Ion: 43 Resp: 10625
Ion Ratio Lower Upper
43 100
58 47.9 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 52.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 95 Resp: 58022
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.8
176 66.1 0.0 131.4

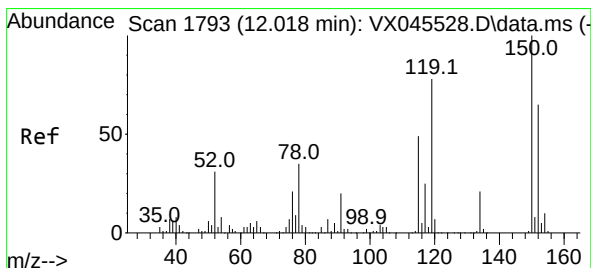
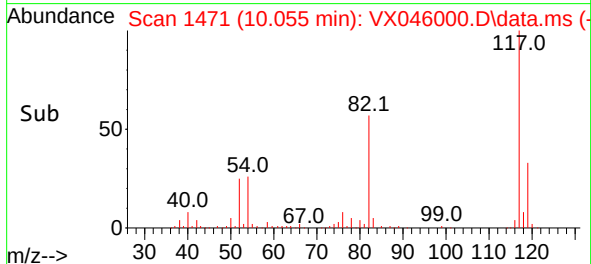
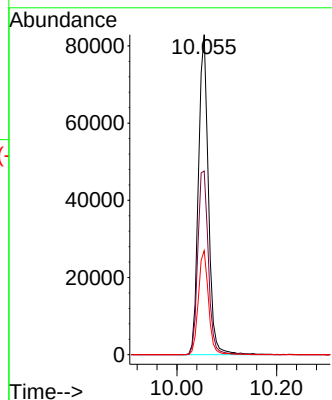
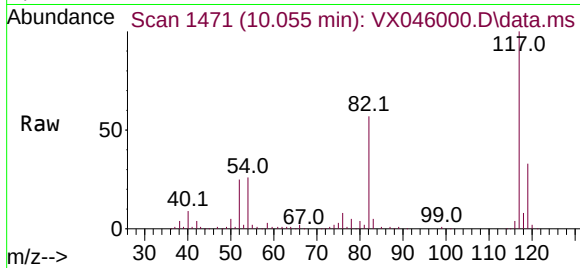




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

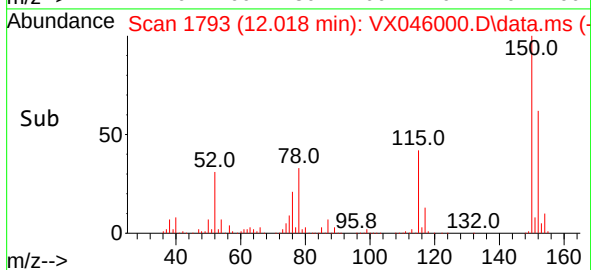
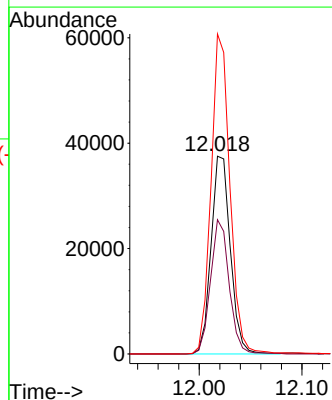
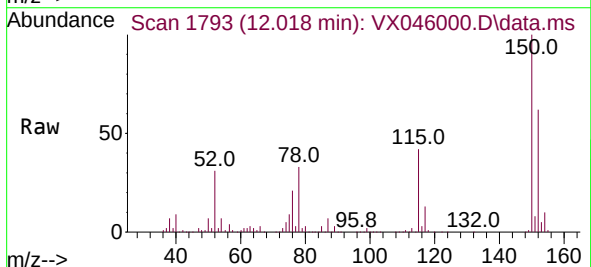
Instrument :
MSVOA_X
ClientSampleId :
WC-5

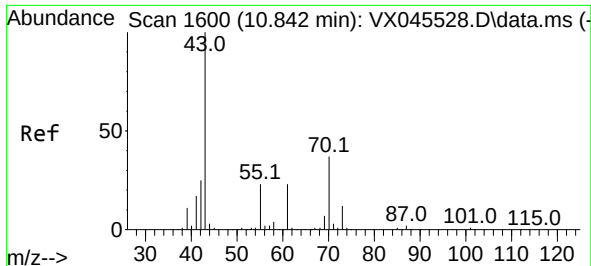
Tgt Ion:117 Resp: 114937
Ion Ratio Lower Upper
117 100
82 57.4 49.2 73.8
119 32.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion:152 Resp: 49035
Ion Ratio Lower Upper
152 100
115 65.6 46.9 140.7
150 158.7 0.0 349.4

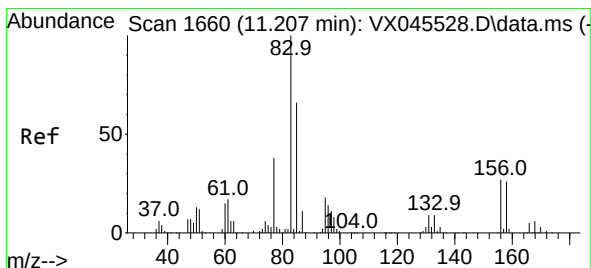
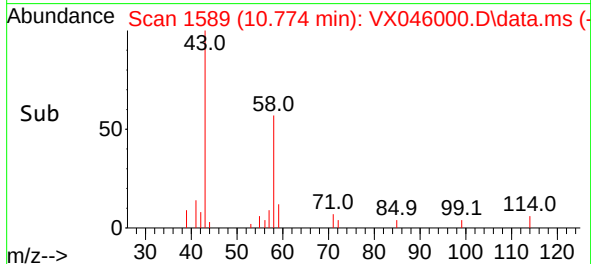
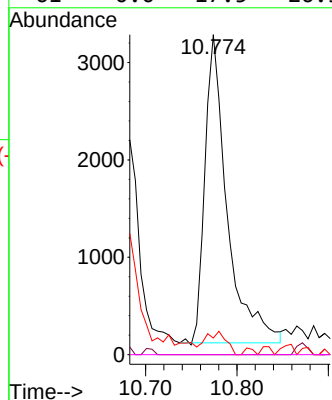
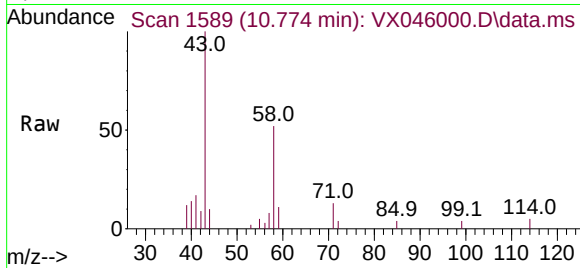




#74
N-amy1 acetate
Concen: 2.849 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

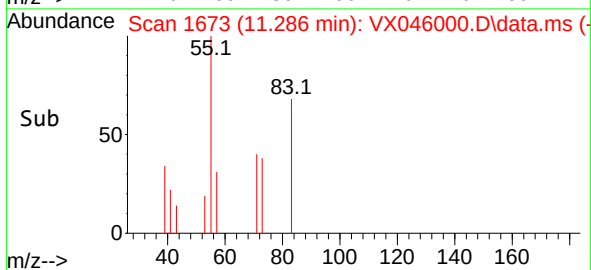
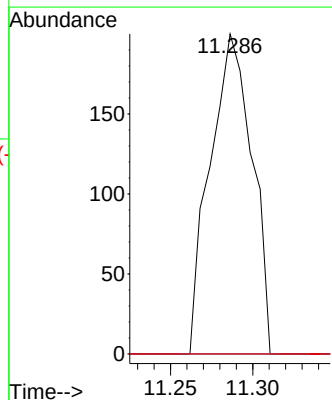
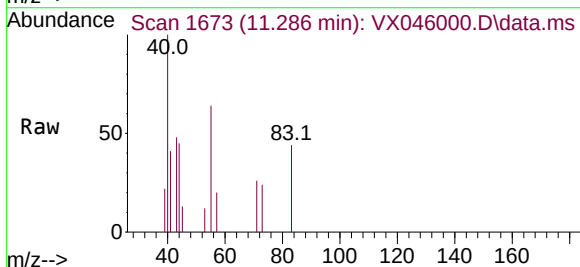
Instrument :
MSVOA_X
ClientSampleId :
WC-5

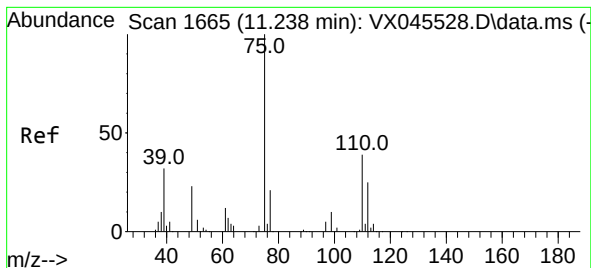
Tgt Ion: 43	Resp:	5352
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.1 45.1#
55	6.9	18.3 27.5#
61	0.0	17.5 26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.257 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. 0.079 min
Lab File: VX046000.D
Acq: 30 Apr 2025 16:03

Tgt Ion: 83	Resp:	354
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: 28.035 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046000.D

Acq: 30 Apr 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

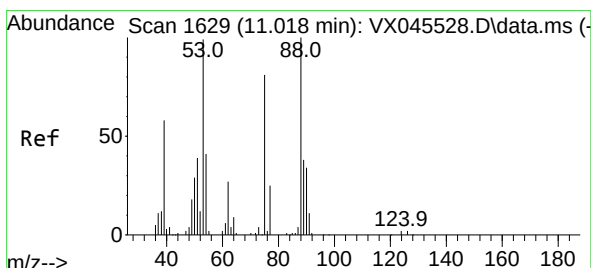
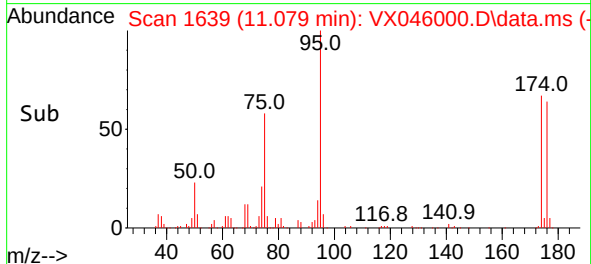
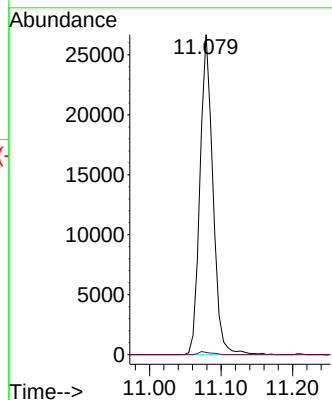
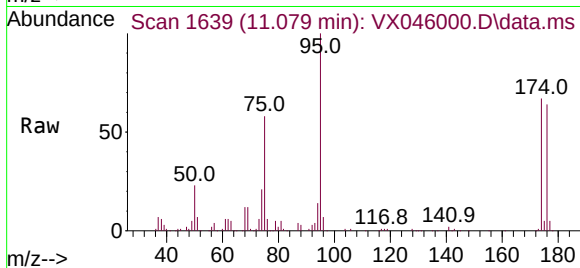
WC-5

Tgt Ion: 75 Resp: 33532

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.147 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046000.D

Acq: 30 Apr 2025 16:03

Tgt Ion: 75 Resp: 33532

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

