

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045773.D
 Acq On : 14 Apr 2025 17:08
 Operator : JC/MD
 Sample : Q1781-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-13

Quant Time: Apr 15 01:30:10 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)

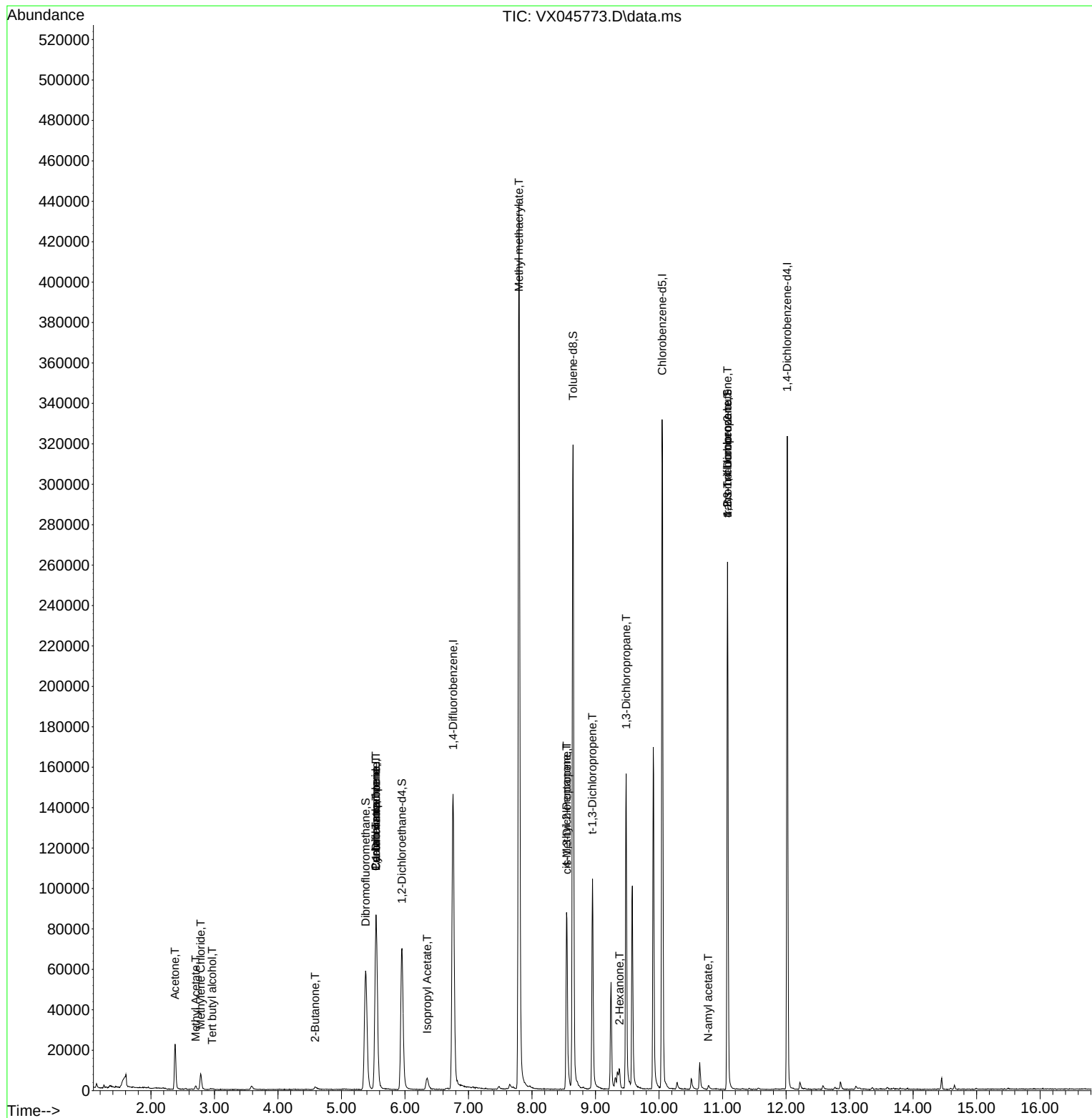
Internal Standards						
1) Pentafluorobenzene	5.544	168	72534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71847	54.165	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.320%		
35) Dibromofluoromethane	5.379	113	51613	50.637	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.280%		
50) Toluene-d8	8.647	98	182379	51.264	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.520%		
62) 4-Bromofluorobenzene	11.079	95	68749	53.052	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	351	1.969	ug/l #	72
16) Acetone	2.380	43	24866	45.652	ug/l	98
18) Methyl Acetate	2.703	43	2198	1.753	ug/l	93
20) Methylene Chloride	2.782	84	3533	3.465	ug/l #	94
25) 2-Butanone	4.587	43	2809	3.523	ug/l	94
31) Cyclohexane	5.544	56	2207	1.356	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	7265	5.279	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8570	5.762	ug/l #	17
43) Isopropyl Acetate	6.348	43	9017	3.430	ug/l #	97
48) Methyl methacrylate	7.793	41	44011	32.428	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	35526	20.387	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	165	2.391	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13418	8.881	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1209	0.685	ug/l #	42
59) 2-Hexanone	9.378	43	9068	7.027	ug/l #	28
74) N-amyl acetate	10.775	43	1284	0.572	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	39914	27.927	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39914	94.779	ug/l #	1

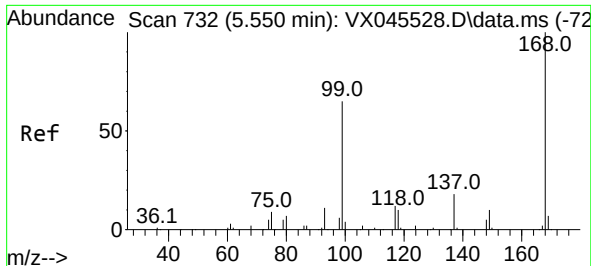
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

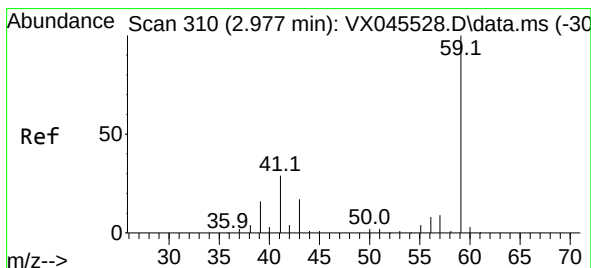
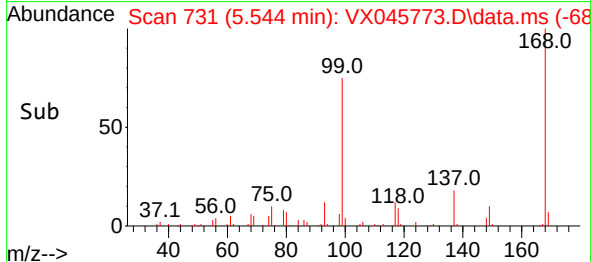
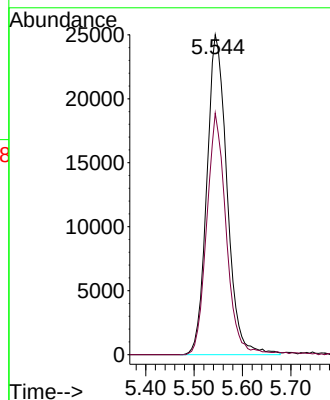
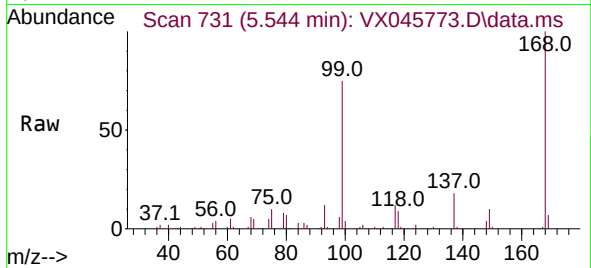




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

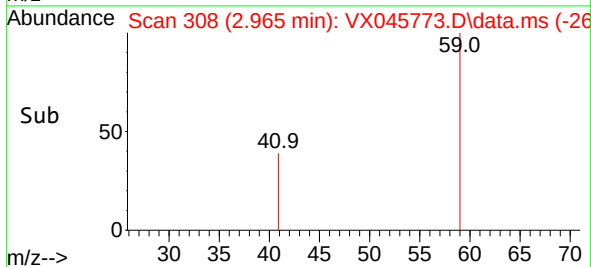
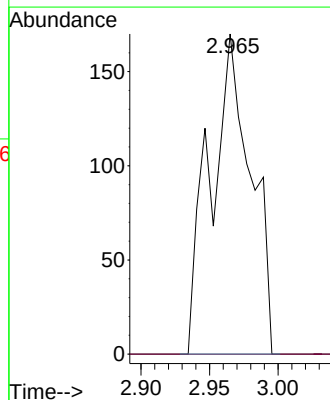
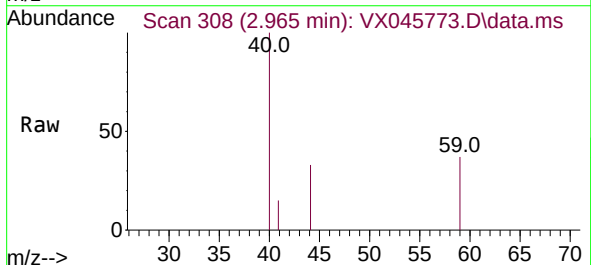
Instrument :
MSVOA_X
ClientSampleId :
WC-13

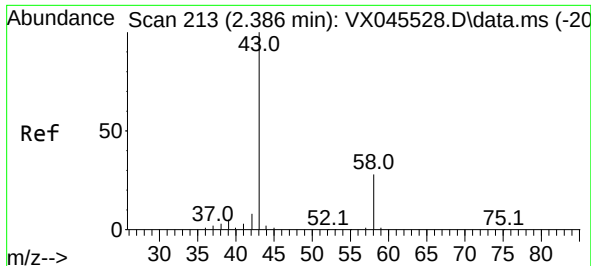
Tgt Ion:168 Resp: 72534
Ion Ratio Lower Upper
168 100
99 75.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.969 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 45.652 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

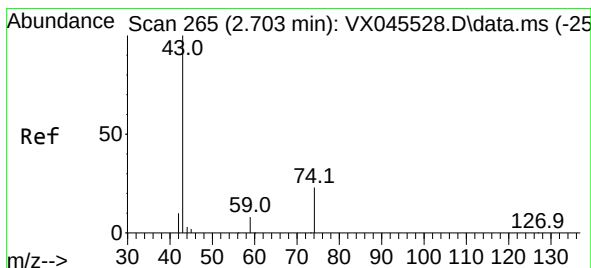
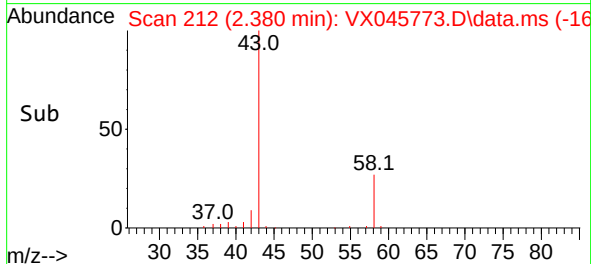
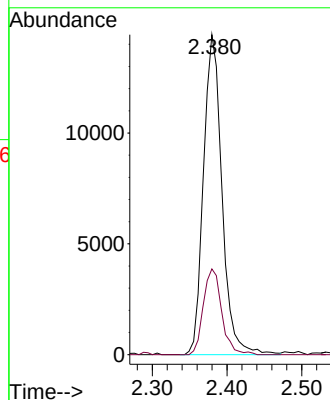
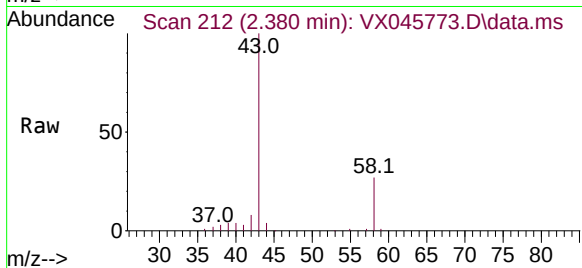
WC-13

Tgt Ion: 43 Resp: 24866

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5



#18

Methyl Acetate

Concen: 1.753 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045773.D

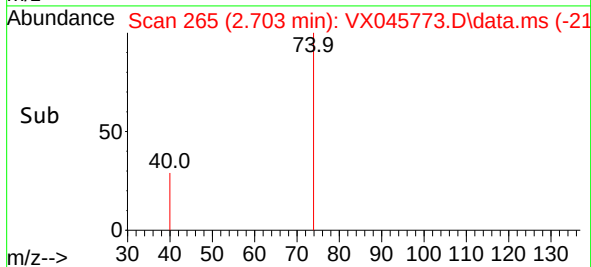
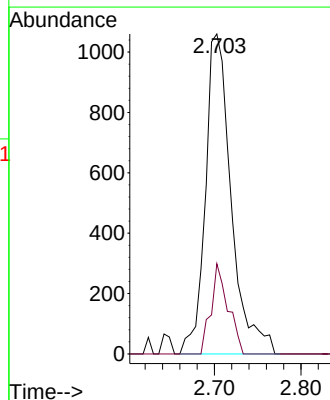
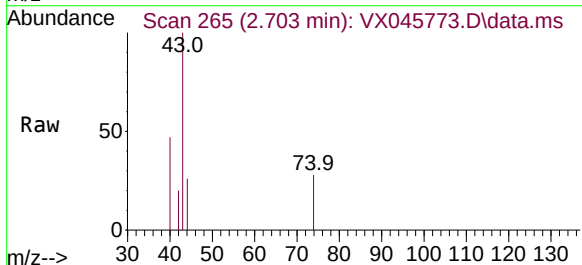
Acq: 14 Apr 2025 17:08

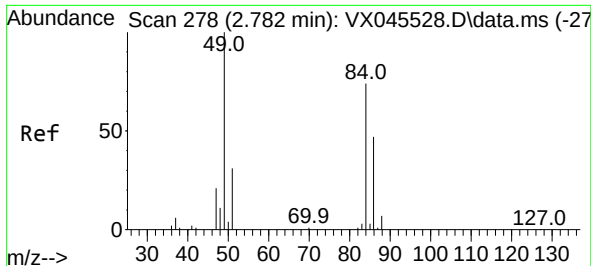
Tgt Ion: 43 Resp: 2198

Ion Ratio Lower Upper

43 100

74 18.5 17.5 26.3

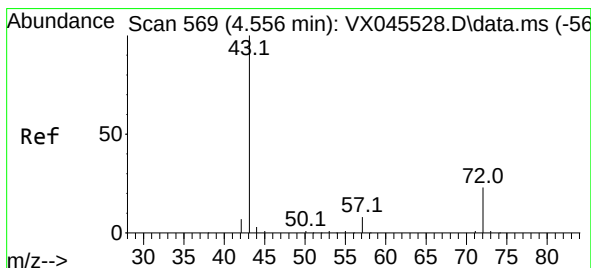
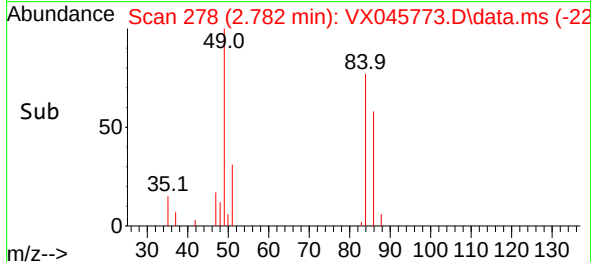
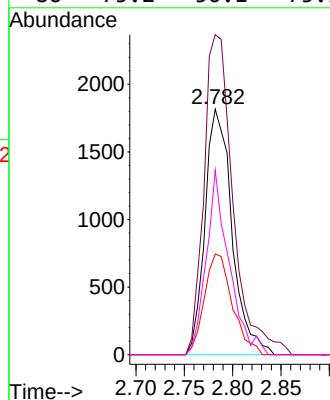
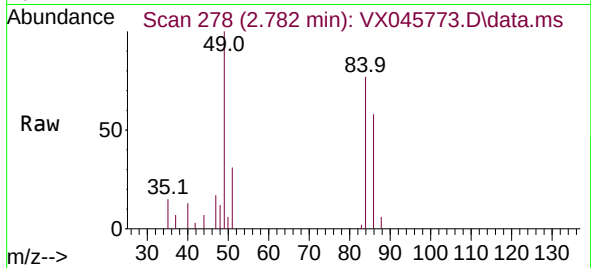




#20
Methylene Chloride
Concen: 3.465 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

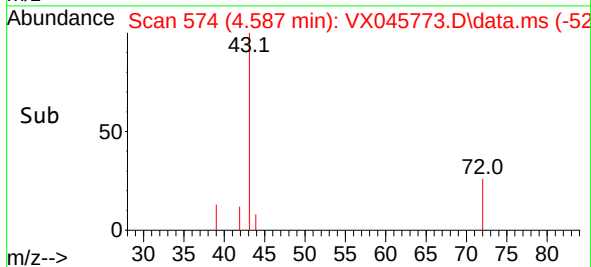
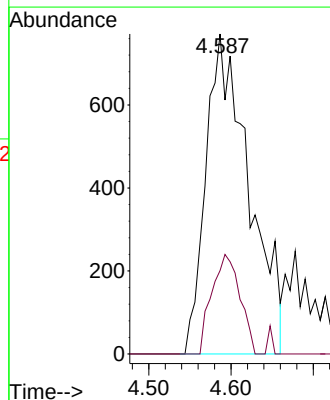
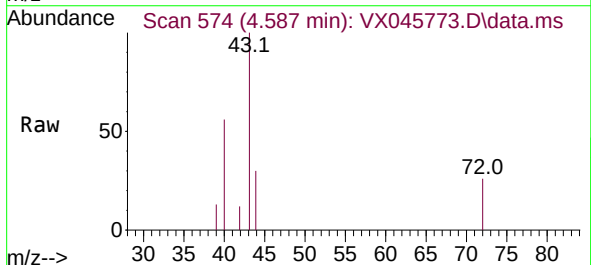
Instrument :
MSVOA_X
ClientSampleId :
WC-13

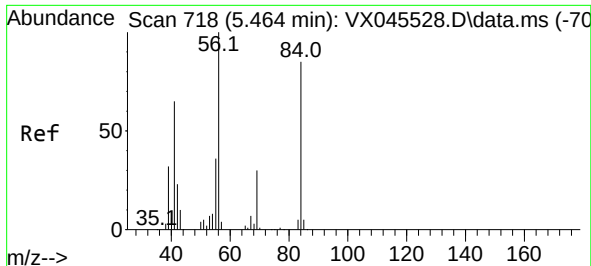
Tgt Ion:	84	Resp:	3533
Ion	Ratio	Lower	Upper
84	100		
49	130.3	107.5	161.3
51	41.0	33.0	49.6
86	75.2	50.1	75.1



#25
2-Butanone
Concen: 3.523 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion:	43	Resp:	2809
Ion	Ratio	Lower	Upper
43	100		
72	26.1	18.6	28.0

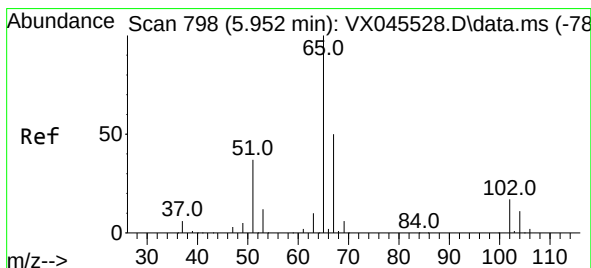
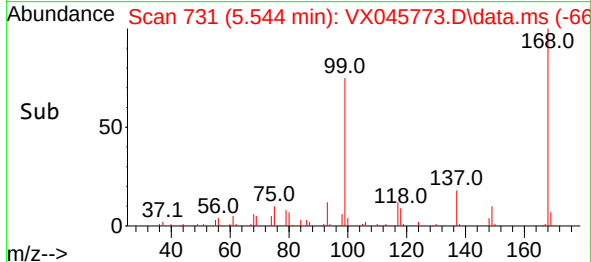
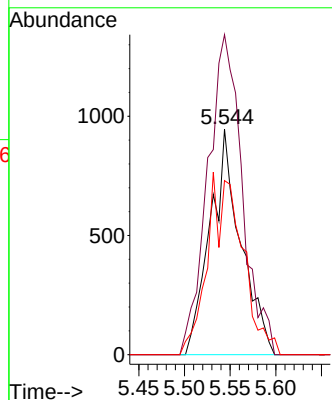
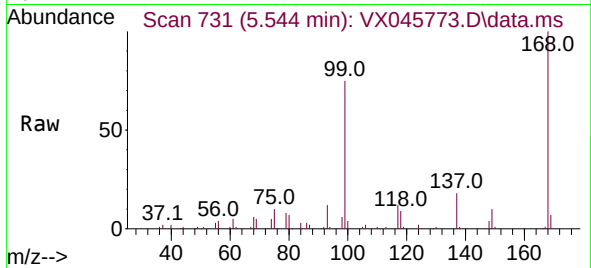




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

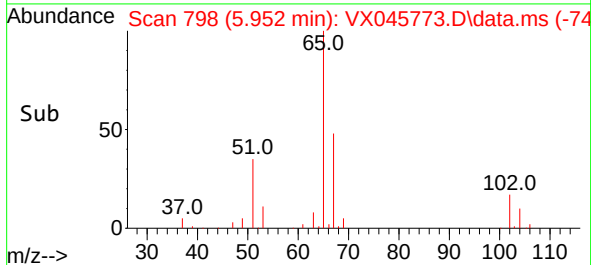
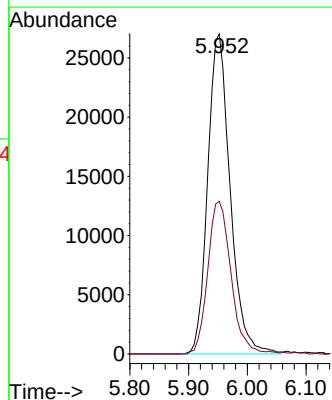
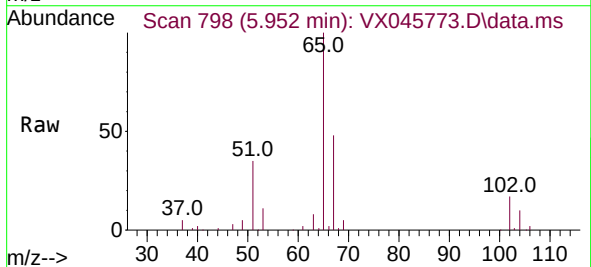
Instrument :
MSVOA_X
ClientSampleId :
WC-13

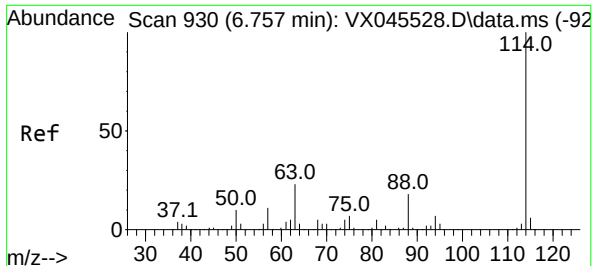
Tgt Ion: 56 Resp: 2207
Ion Ratio Lower Upper
56 100
69 141.9 23.6 35.4#
84 77.2 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.165 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 65 Resp: 71847
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

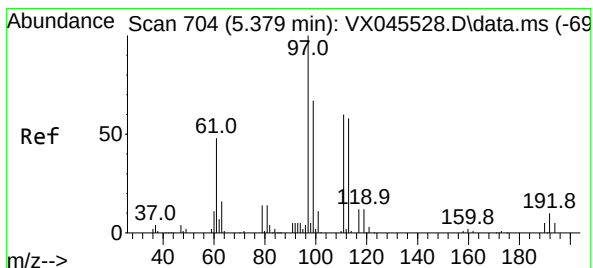
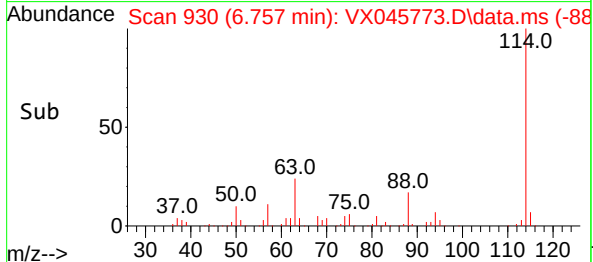
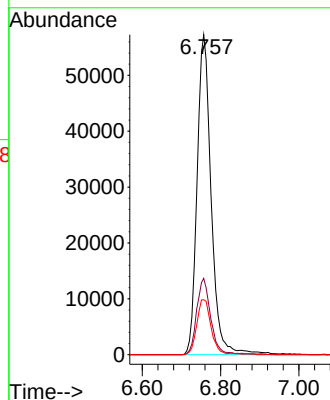
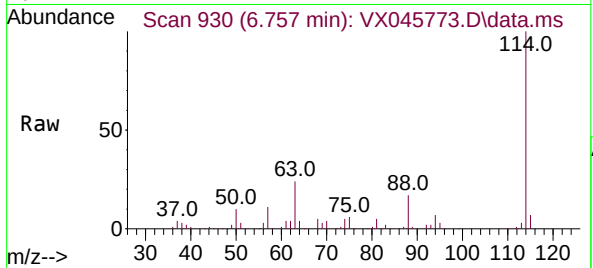




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045773.D
 Acq: 14 Apr 2025 17:08

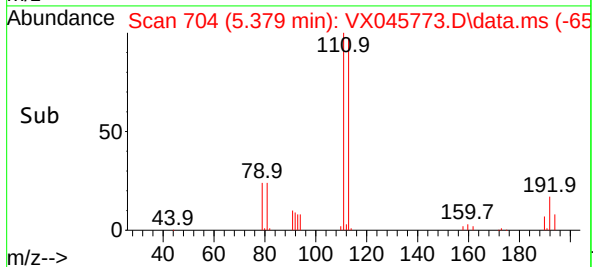
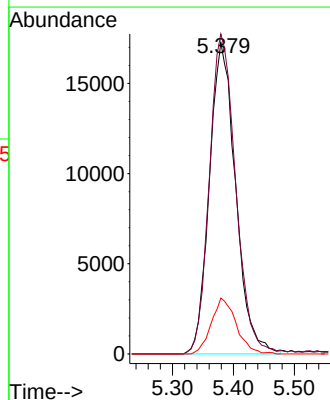
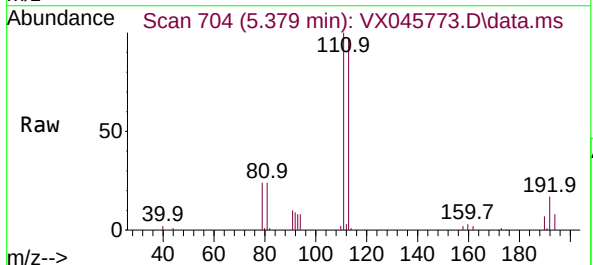
Instrument :
 MSVOA_X
 ClientSampleId :
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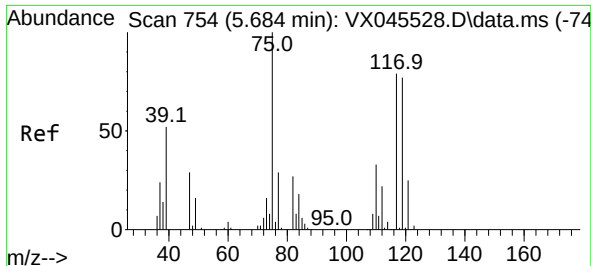
Tgt Ion:114 Resp: 143661
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.8
 88 17.2 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.637 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045773.D
 Acq: 14 Apr 2025 17:08

Tgt Ion:113 Resp: 51613
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.6
 192 17.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.279 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

WC-13

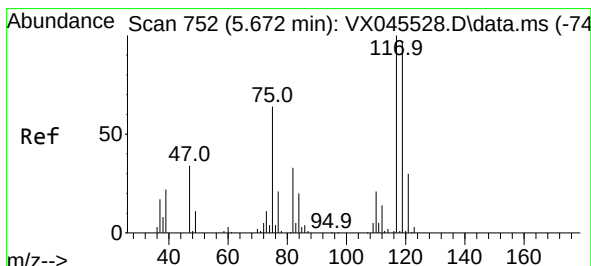
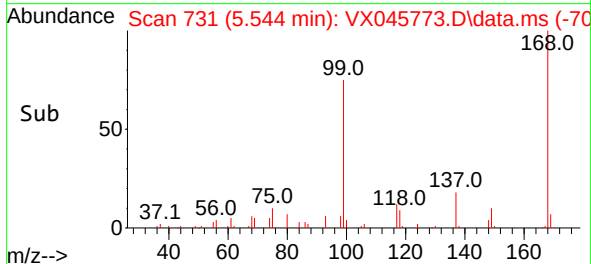
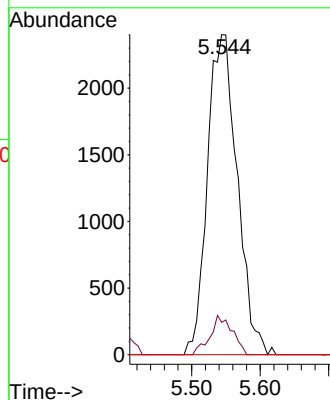
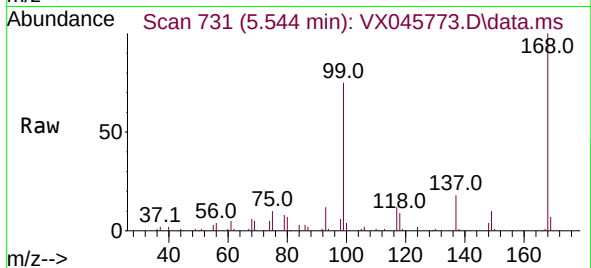
Tgt Ion: 75 Resp: 7265

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.762 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

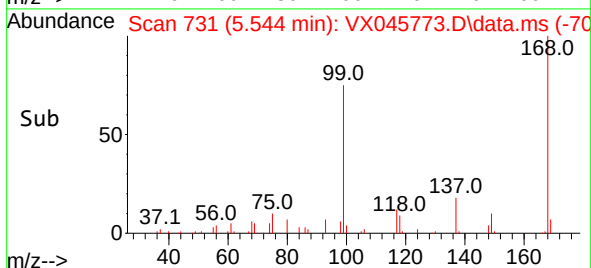
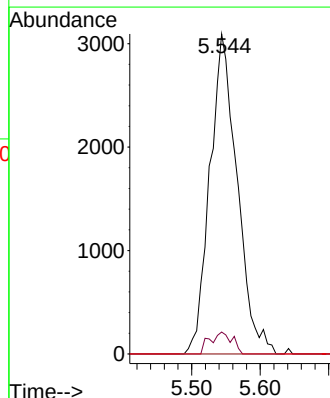
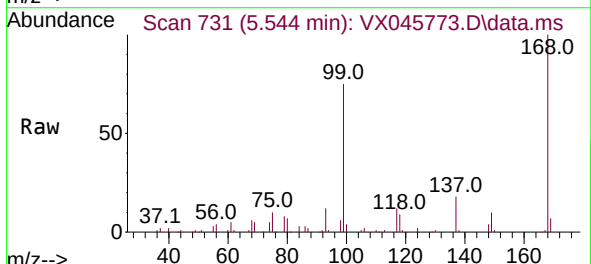
Tgt Ion: 117 Resp: 8570

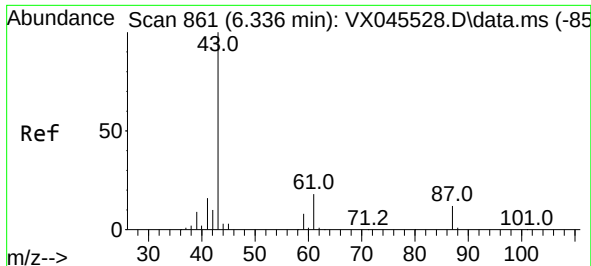
Ion Ratio Lower Upper

117 100

119 6.9 76.9 115.3#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.430 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

WC-13

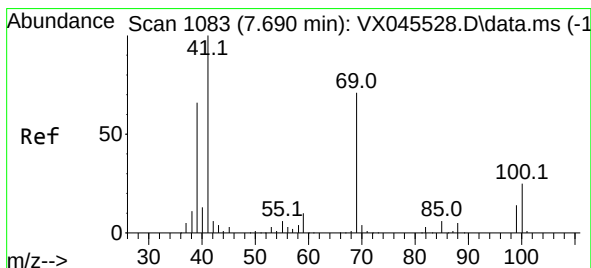
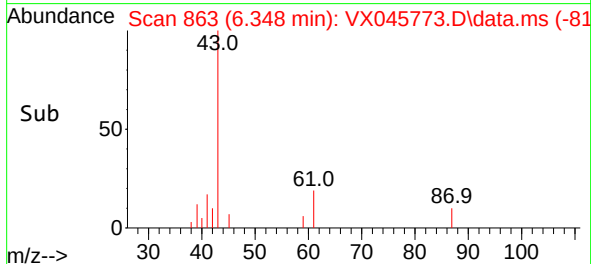
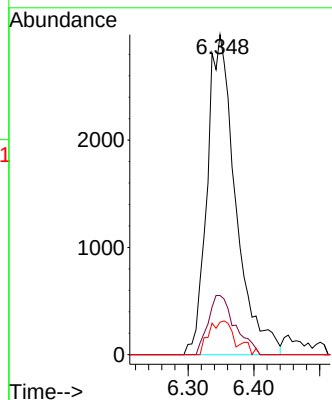
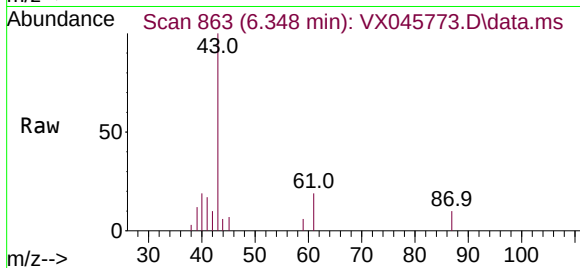
Tgt Ion: 43 Resp: 9017

Ion Ratio Lower Upper

43 100

61 17.5 14.1 21.1

87 8.8 9.2 13.8#



#48

Methyl methacrylate

Concen: 32.428 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

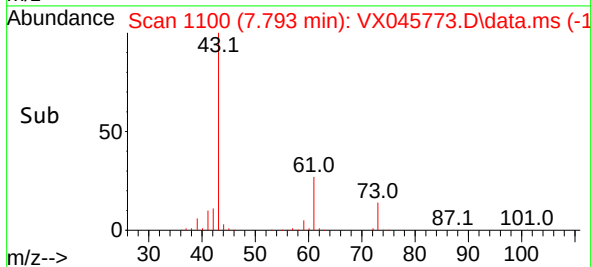
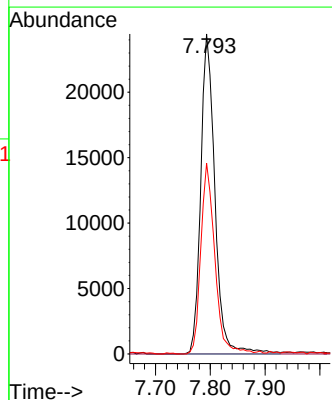
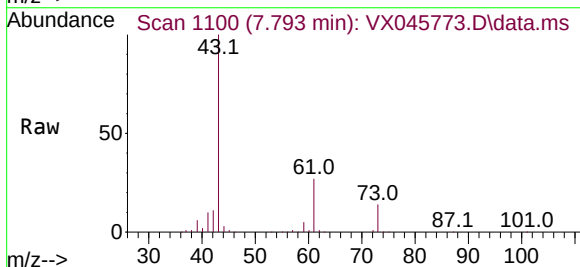
Tgt Ion: 41 Resp: 44011

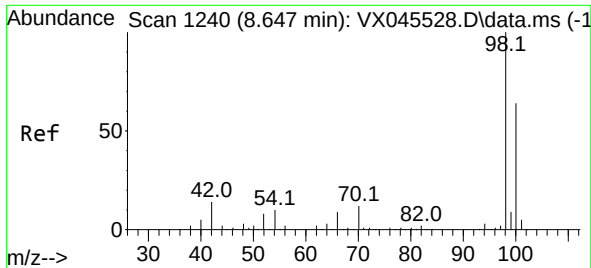
Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 59.1 53.6 80.4

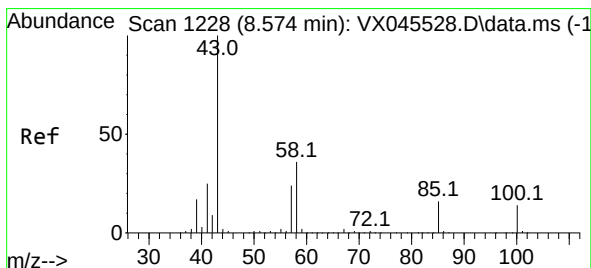
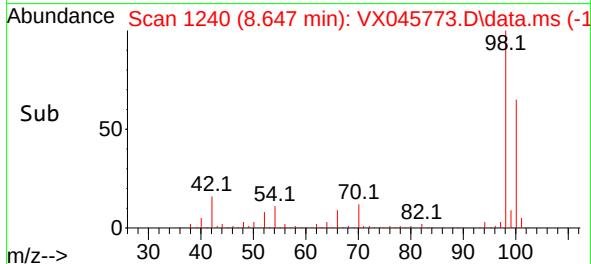
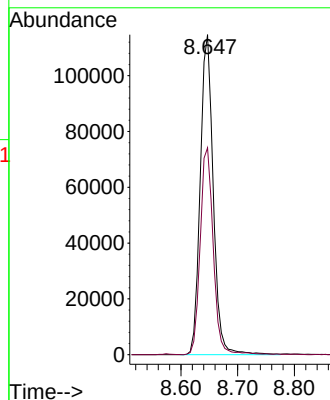
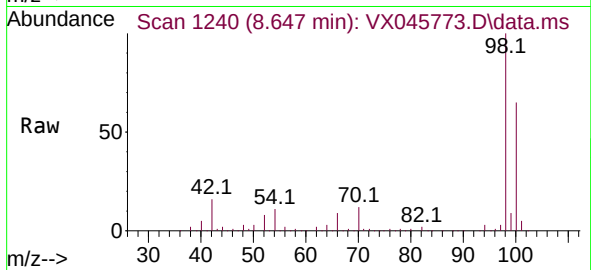




#50
Toluene-d8
Concen: 51.264 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

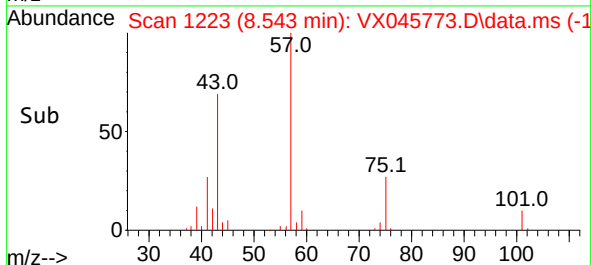
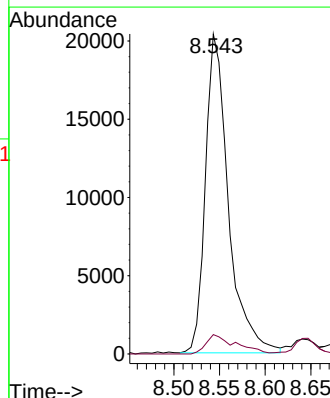
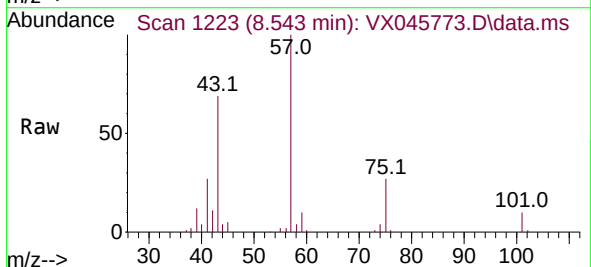
Instrument :
MSVOA_X
ClientSampleId :
WC-13

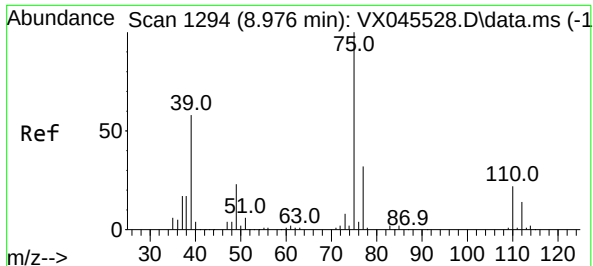
Tgt Ion: 98 Resp: 182379
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 20.387 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 43 Resp: 35526
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#

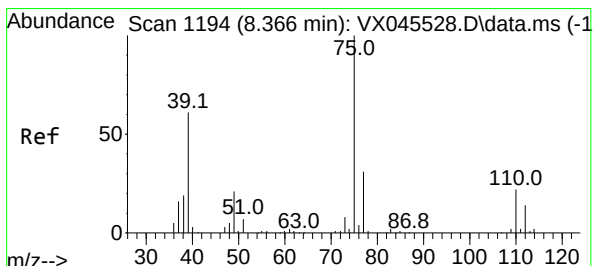
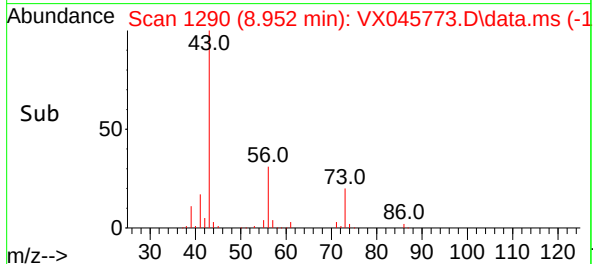
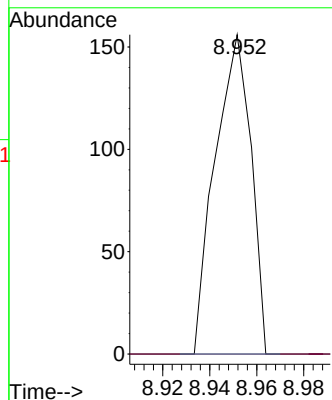
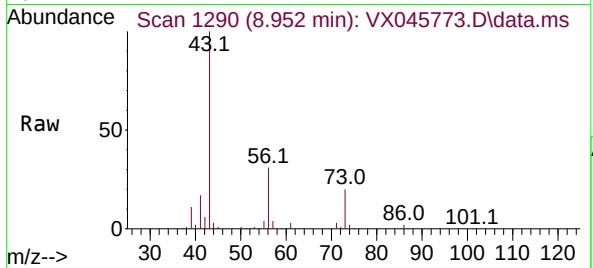




#53
 t-1,3-Dichloropropene
 Concen: 2.391 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045773.D
 Acq: 14 Apr 2025 17:08

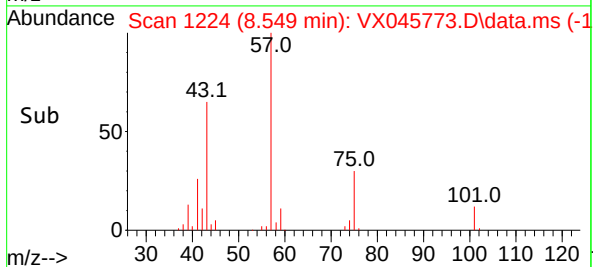
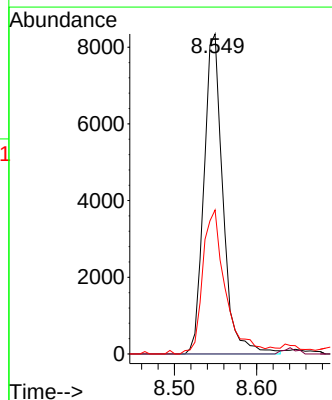
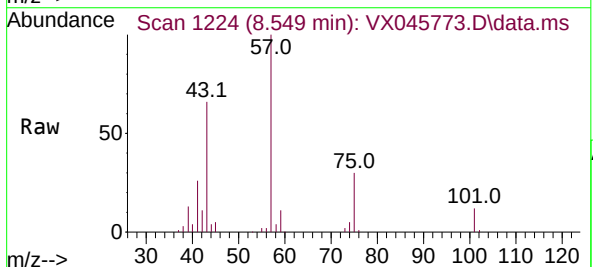
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-13

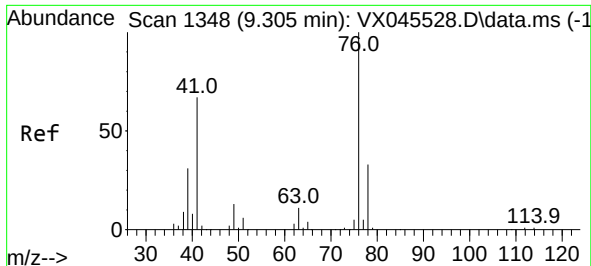
Tgt Ion: 75 Resp: 165
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.881 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045773.D
 Acq: 14 Apr 2025 17:08

Tgt Ion: 75 Resp: 13418
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.0 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.685 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045773.D

Acq: 14 Apr 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

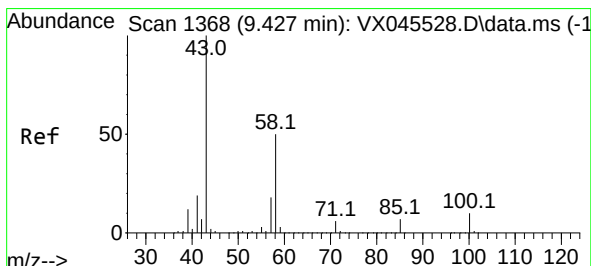
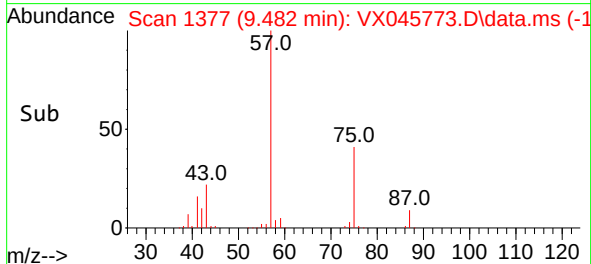
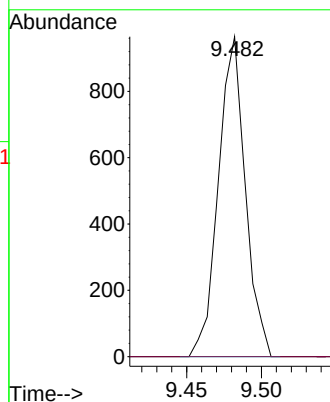
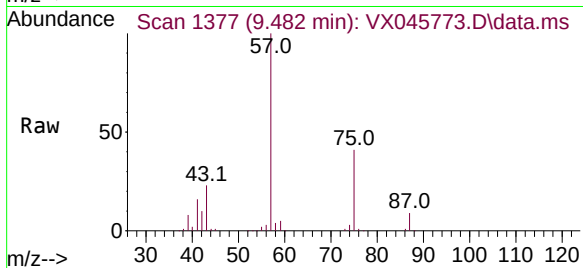
WC-13

Tgt Ion: 76 Resp: 1209

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 7.027 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045773.D

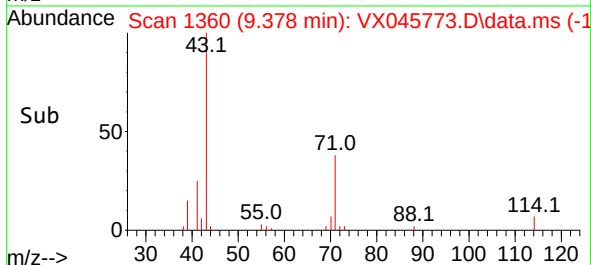
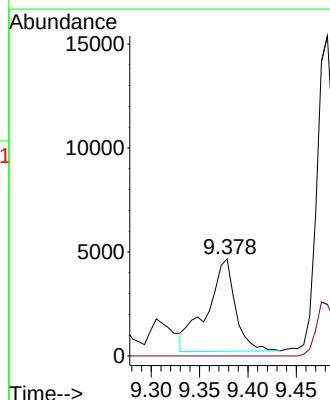
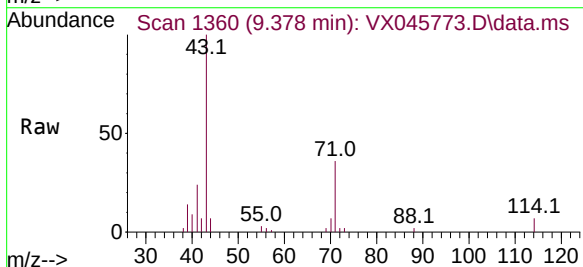
Acq: 14 Apr 2025 17:08

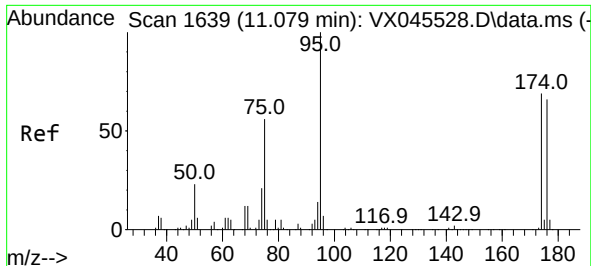
Tgt Ion: 43 Resp: 9068

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

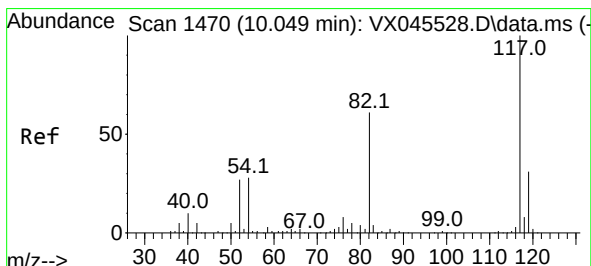
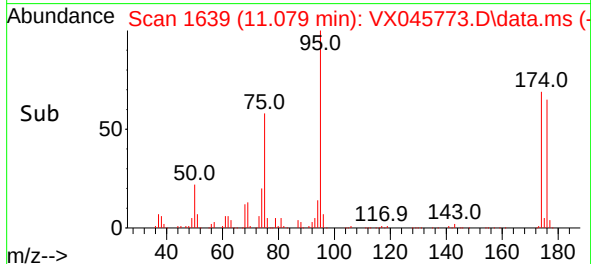
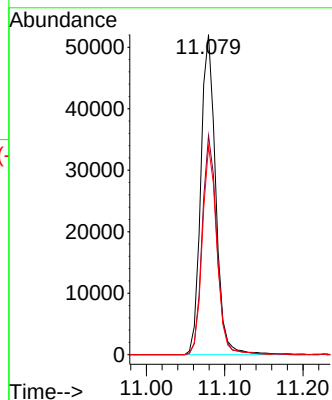
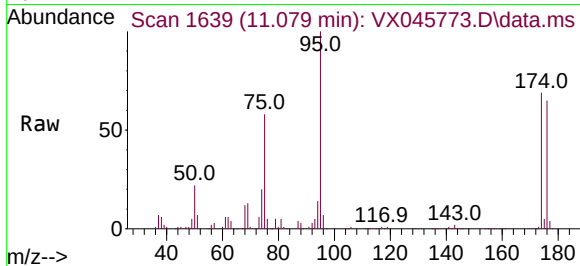




#62
4-Bromofluorobenzene
Concen: 53.052 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

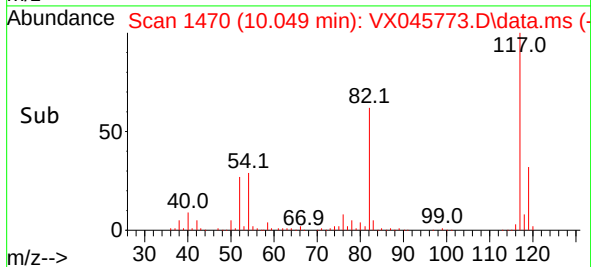
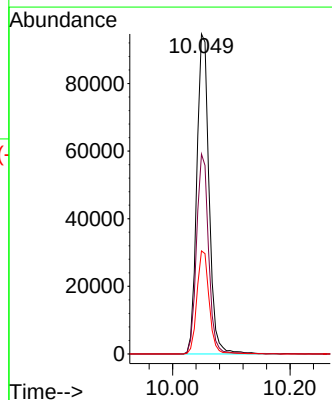
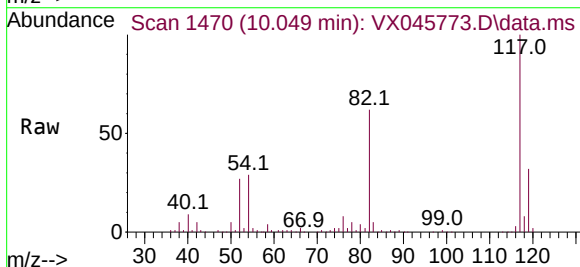
Instrument :
MSVOA_X
ClientSampleId :
WC-13

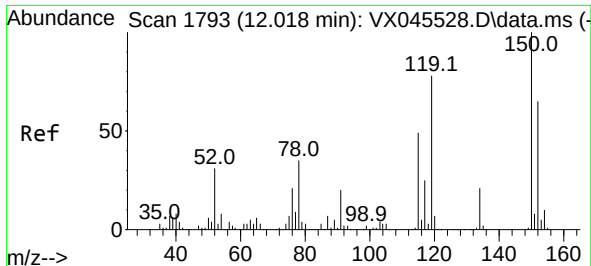
Tgt Ion: 95 Resp: 68749
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 117 Resp: 136815
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 32.2 25.1 37.7

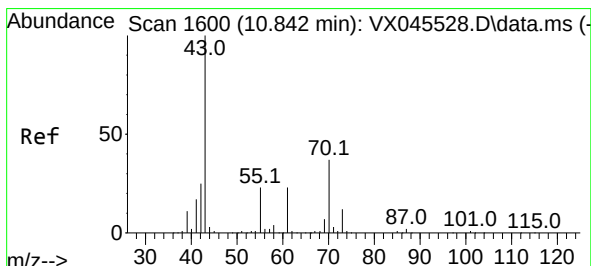
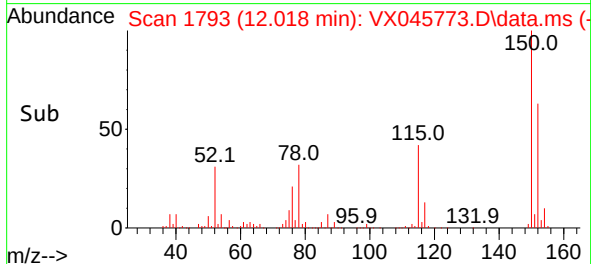
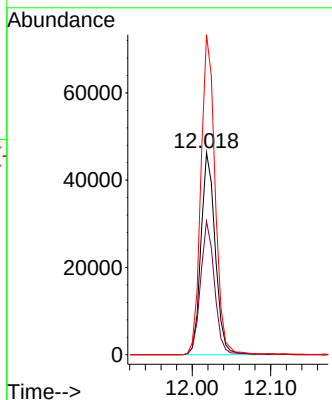
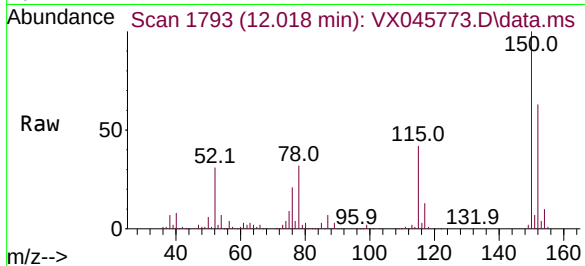




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

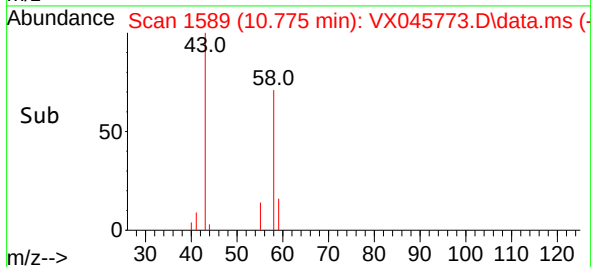
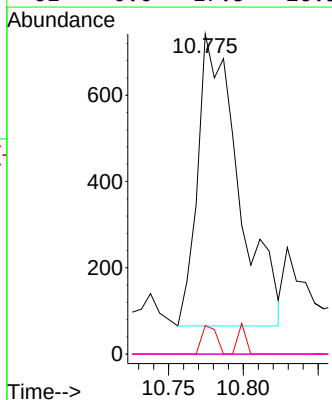
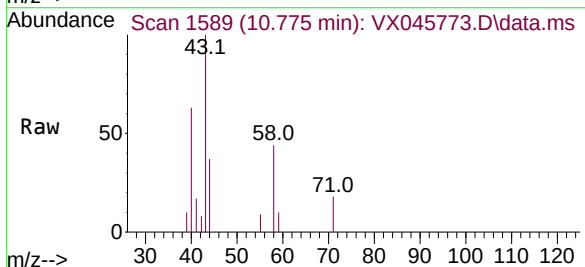
Instrument :
MSVOA_X
ClientSampleId :
WC-13

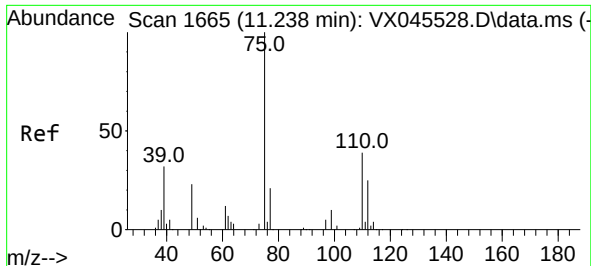
Tgt Ion:152 Resp: 58594
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 158.0 0.0 349.4



#74
N-ethyl acetate
Concen: 0.572 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 3.5 18.3 27.5#
61 0.0 17.5 26.3#

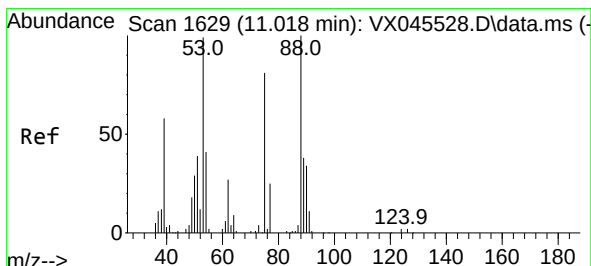
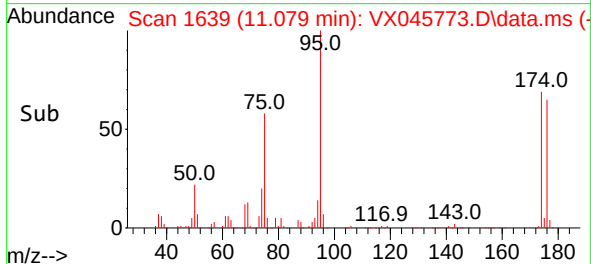
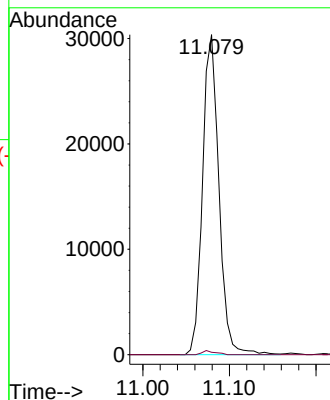
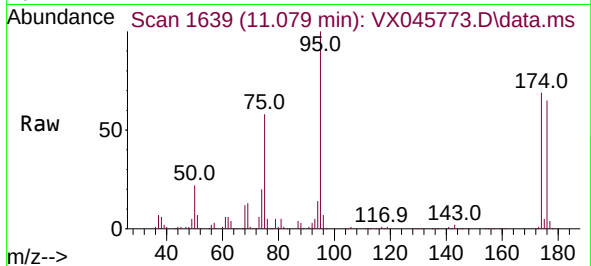




#76
1,2,3-Trichloropropane
Concen: 27.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Instrument :
MSVOA_X
ClientSampleId :
WC-13

Tgt Ion: 75 Resp: 39914
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045773.D
Acq: 14 Apr 2025 17:08

Tgt Ion: 75 Resp: 39914
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

