

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045774.D
 Acq On : 14 Apr 2025 17:31
 Operator : JC/MD
 Sample : Q1781-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

Quant Time: Apr 15 01:30:24 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)

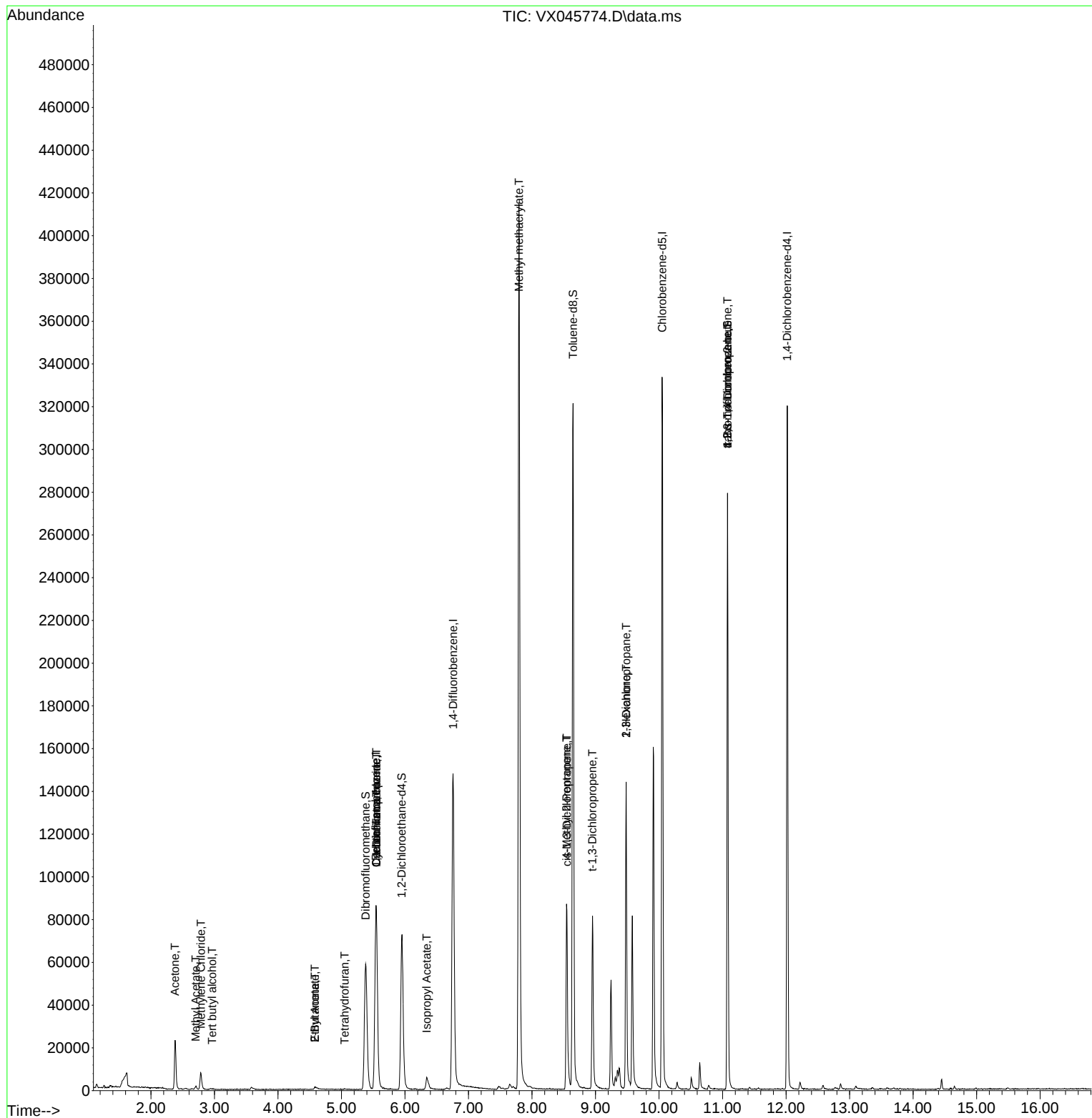
Internal Standards						
1) Pentafluorobenzene	5.544	168	72813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73763	55.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.800%
35) Dibromofluoromethane	5.379	113	52471	51.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.760%
50) Toluene-d8	8.647	98	185296	51.983	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.960%
62) 4-Bromofluorobenzene	11.079	95	71113	54.770	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	319	1.783	ug/l #	72
16) Acetone	2.379	43	25357	46.375	ug/l	100
18) Methyl Acetate	2.703	43	2170	1.724	ug/l #	88
20) Methylene Chloride	2.788	84	3549	3.467	ug/l	90
25) 2-Butanone	4.580	43	3131	3.912	ug/l	93
29) Tetrahydrofuran	5.050	42	258	0.497	ug/l #	41
31) Cyclohexane	5.550	56	2292	1.403	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	7476	5.422	ug/l #	42
37) Ethyl Acetate	4.580	43	3131	1.802	ug/l #	71
38) Carbon Tetrachloride	5.550	117	8457	5.675	ug/l #	17
43) Isopropyl Acetate	6.342	43	9114	3.461	ug/l	95
48) Methyl methacrylate	7.793	41	41358	30.414	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	35105	20.107	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	161	2.388	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13391	8.846	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1126	0.637	ug/l #	42
59) 2-Hexanone	9.482	43	19205	14.854	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	40930	28.171	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40930	95.609	ug/l #	1

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

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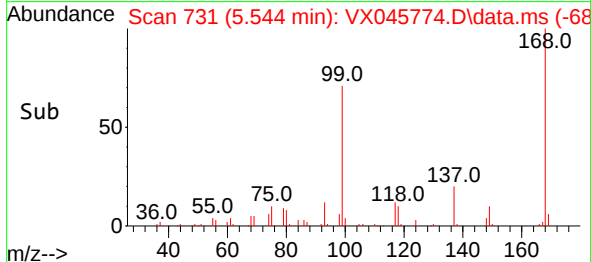
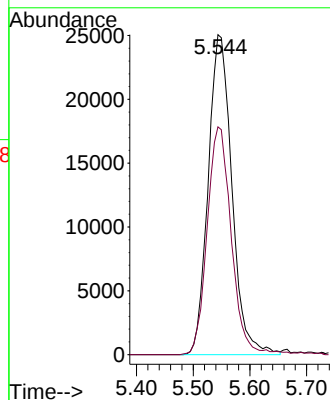
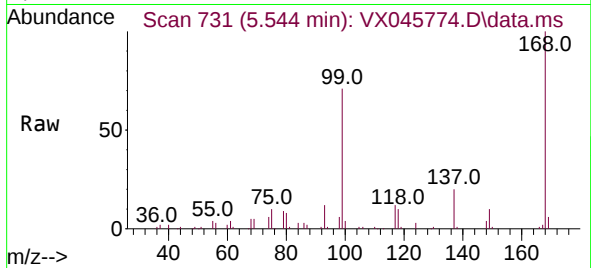




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

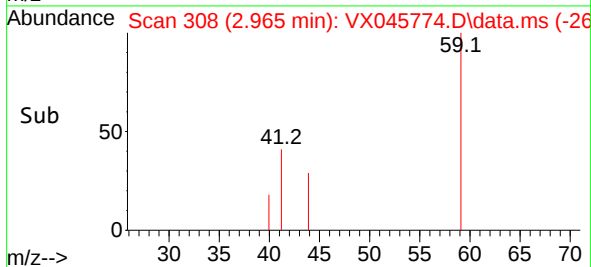
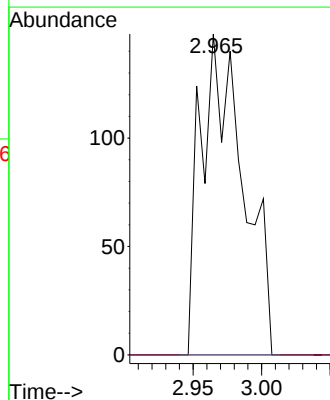
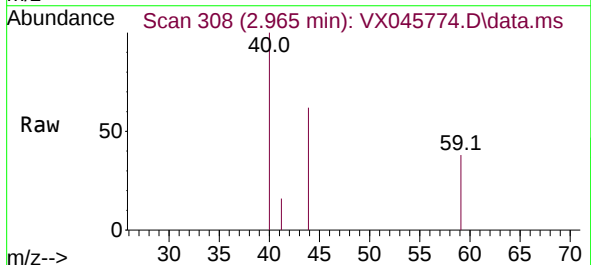
Instrument :
MSVOA_X
ClientSampleId :
WC-12

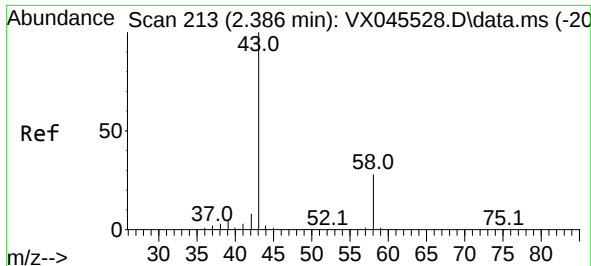
Tgt Ion:168 Resp: 72813
Ion Ratio Lower Upper
168 100
99 71.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.783 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

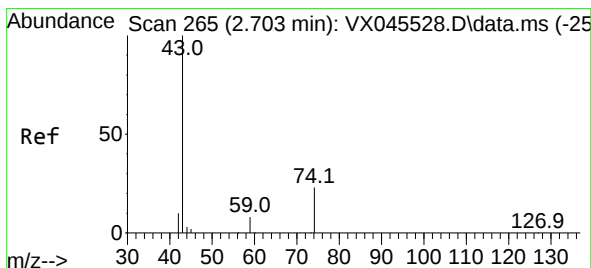
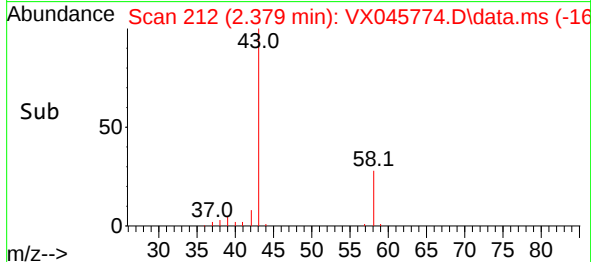
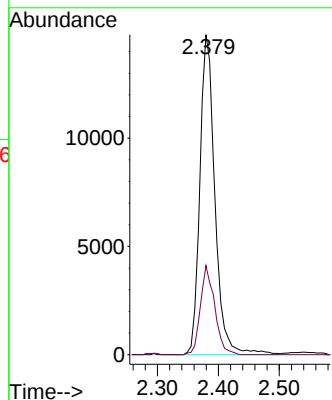
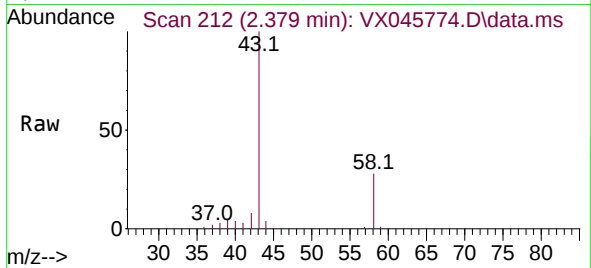




#16
Acetone
Concen: 46.375 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

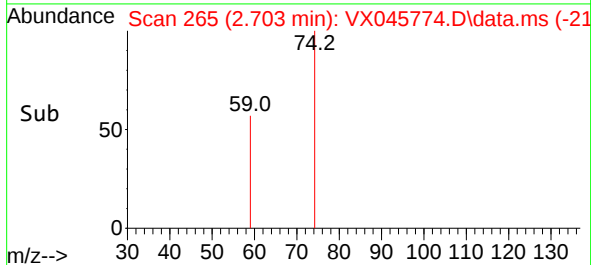
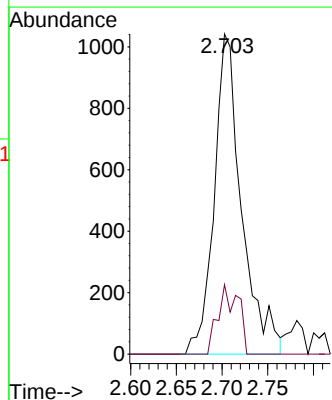
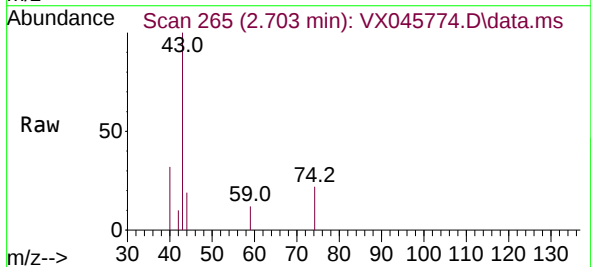
Instrument :
MSVOA_X
ClientSampleId :
WC-12

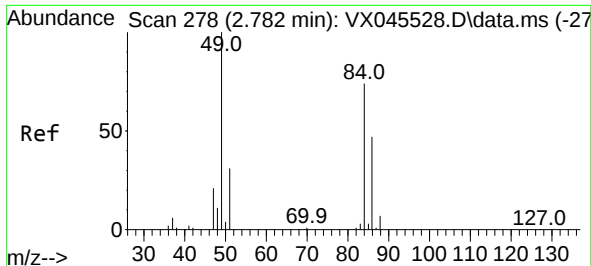
Tgt Ion: 43 Resp: 25357
Ion Ratio Lower Upper
43 100
58 27.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.724 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
74 16.1 17.5 26.3#

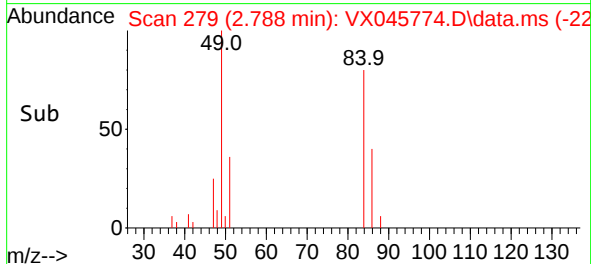
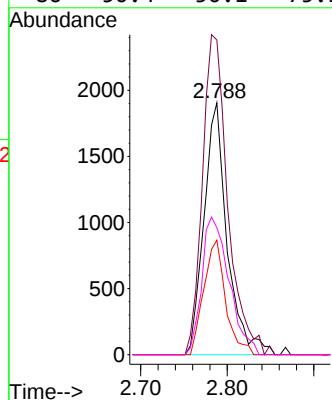
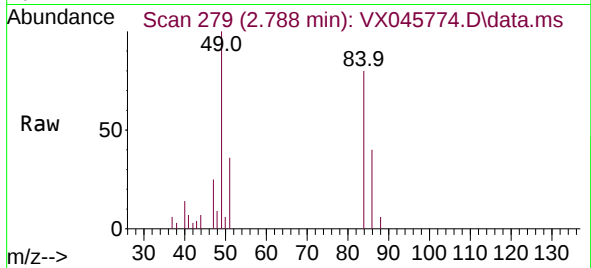




#20
Methylene Chloride
Concen: 3.467 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

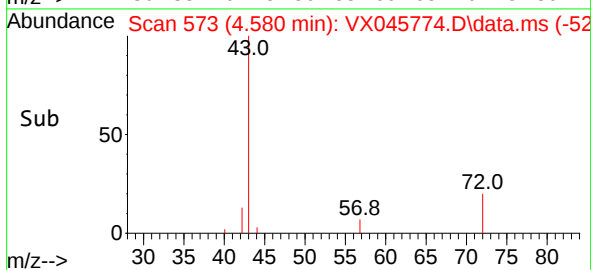
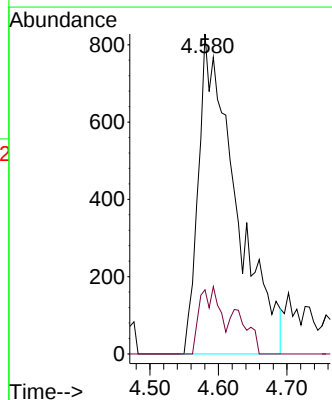
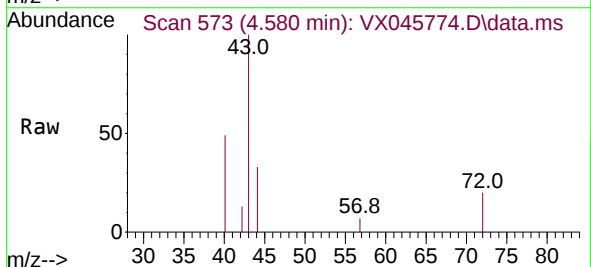
Instrument :
MSVOA_X
ClientSampleId :
WC-12

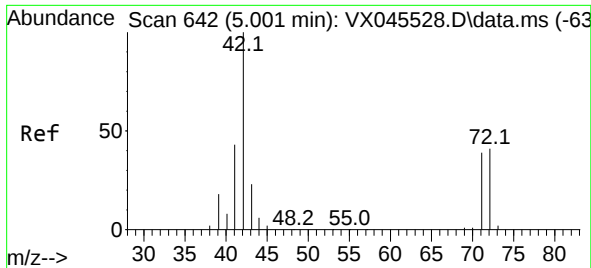
Tgt Ion:	84	Resp:	3549
Ion	Ratio	Lower	Upper
84	100		
49	125.0	107.5	161.3
51	45.5	33.0	49.6
86	50.4	50.1	75.1



#25
2-Butanone
Concen: 3.912 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion:	43	Resp:	3131
Ion	Ratio	Lower	Upper
43	100		
72	20.0	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

WC-12

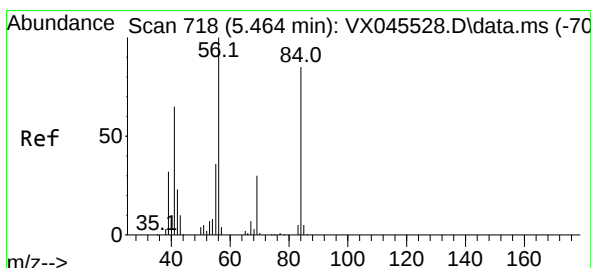
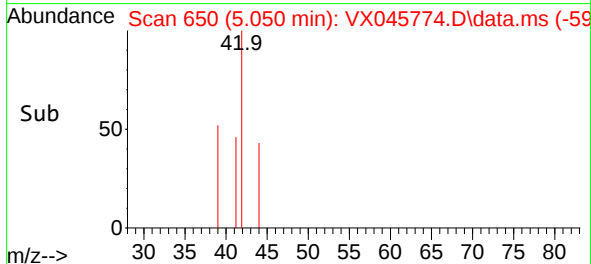
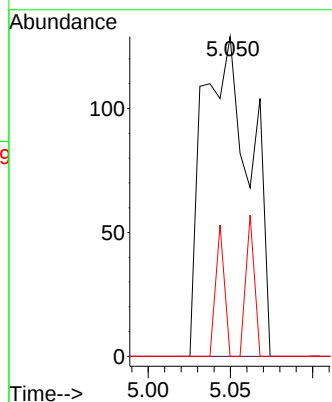
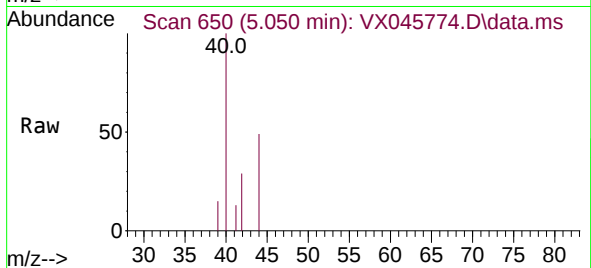
Tgt Ion: 42 Resp: 258

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 7.4 31.4 47.0#



#31

Cyclohexane

Concen: 1.403 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

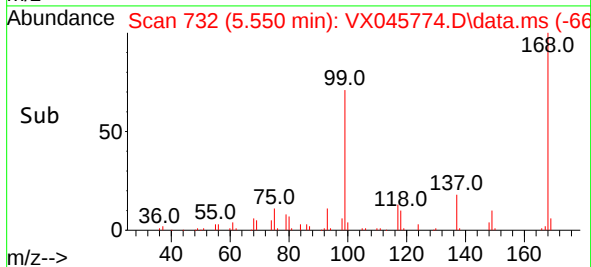
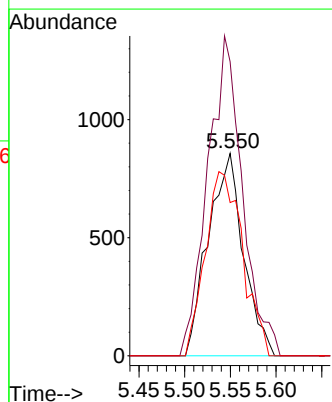
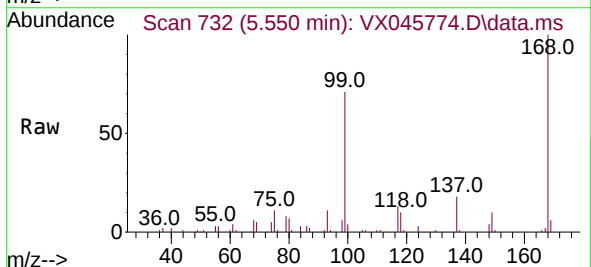
Tgt Ion: 56 Resp: 2292

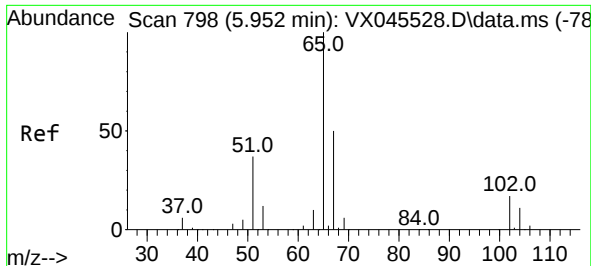
Ion Ratio Lower Upper

56 100

69 145.3 23.6 35.4#

84 75.7 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.396 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

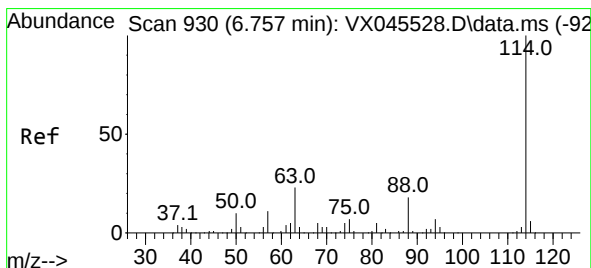
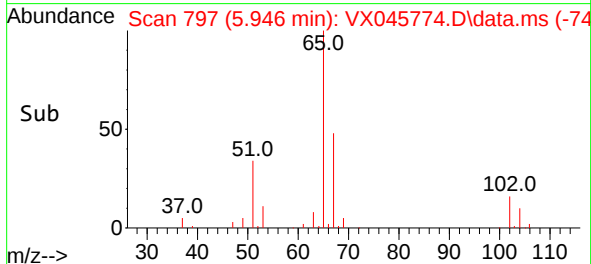
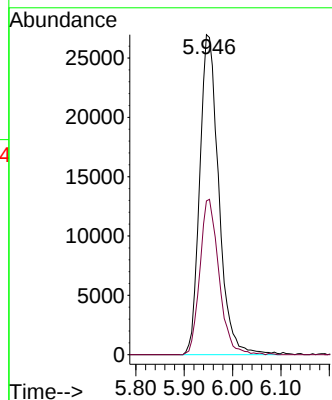
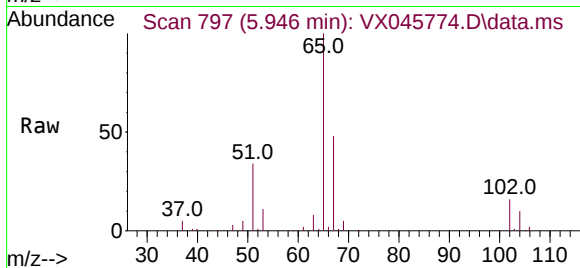
WC-12

Tgt Ion: 65 Resp: 73763

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# 930

Delta R.T. -0.000 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

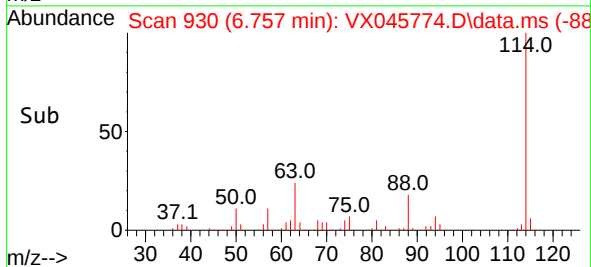
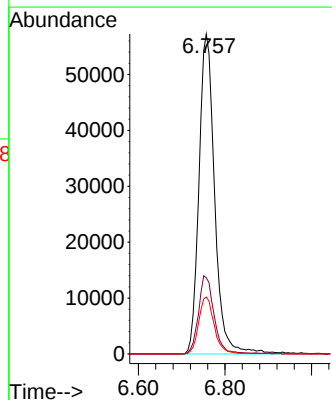
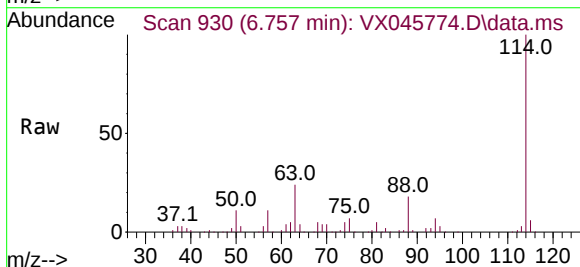
Tgt Ion: 114 Resp: 143939

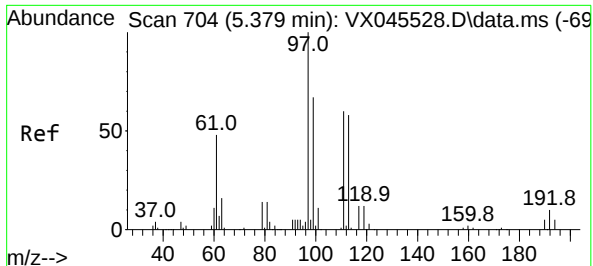
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

88 17.8 0.0 35.4

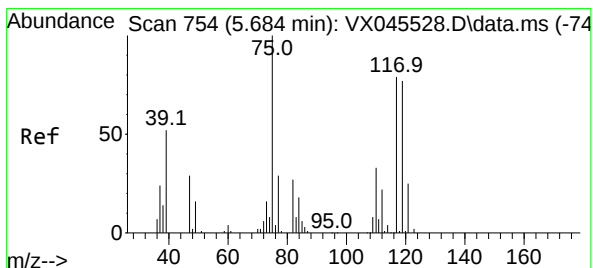
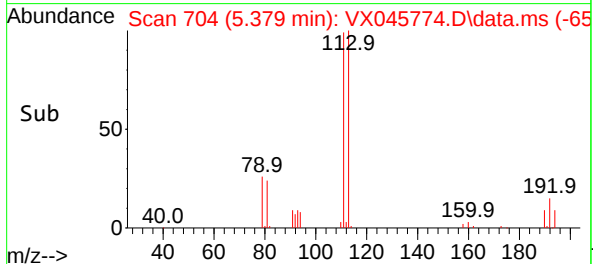
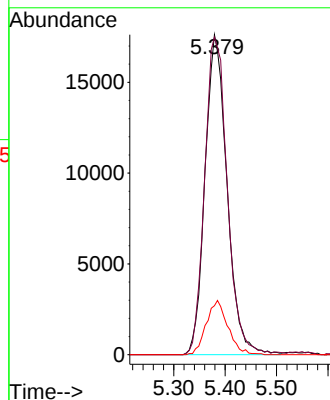
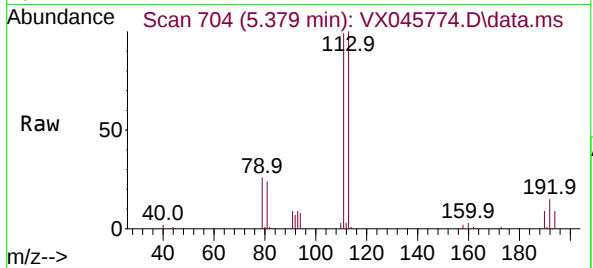




#35
Dibromofluoromethane
Concen: 51.379 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

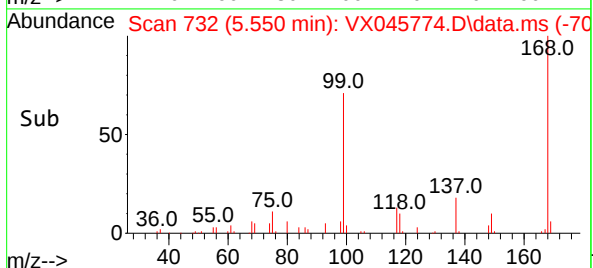
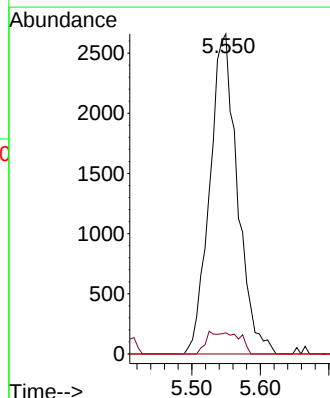
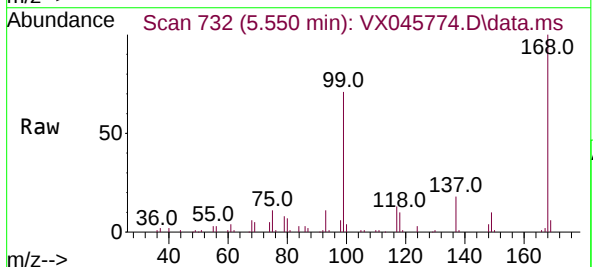
Instrument :
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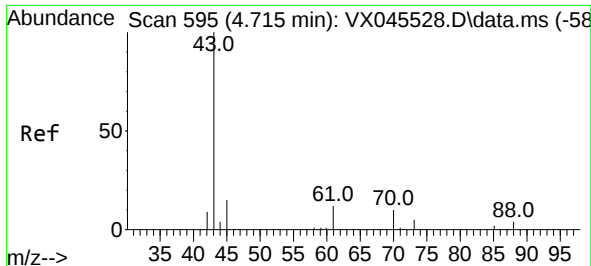
Tgt Ion:113 Resp: 52471
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.422 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 75 Resp: 7476
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.802 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

WC-12

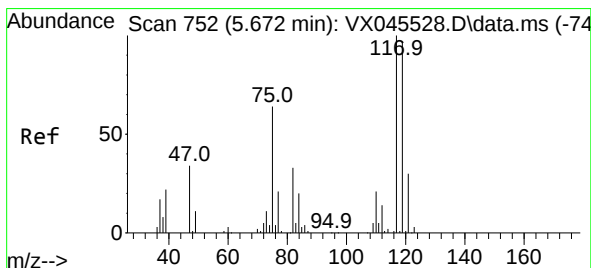
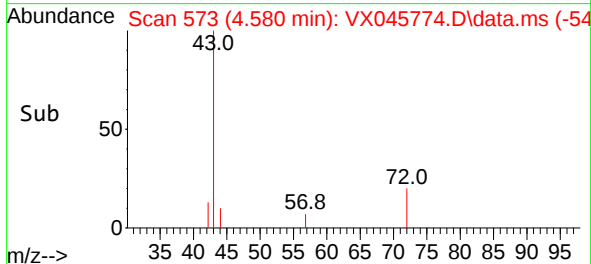
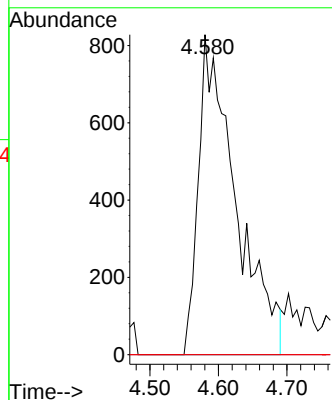
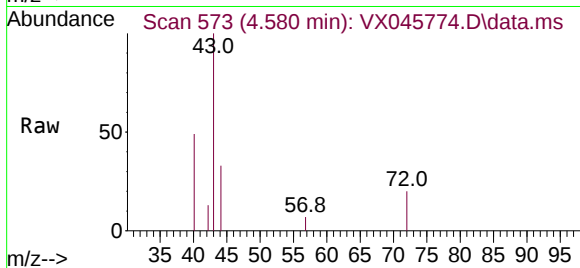
Tgt Ion: 43 Resp: 3131

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045774.D

Acq: 14 Apr 2025 17:31

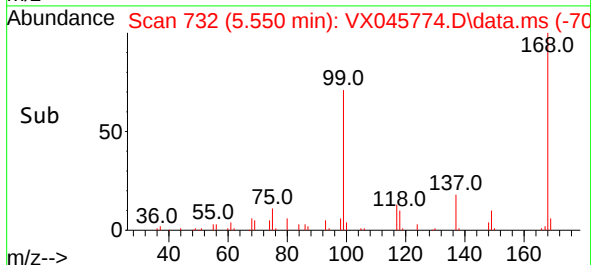
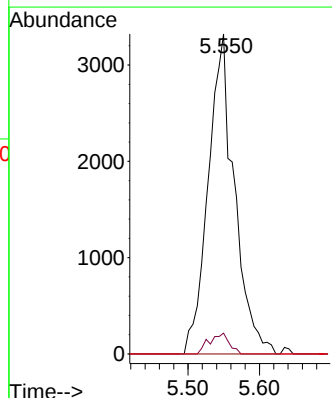
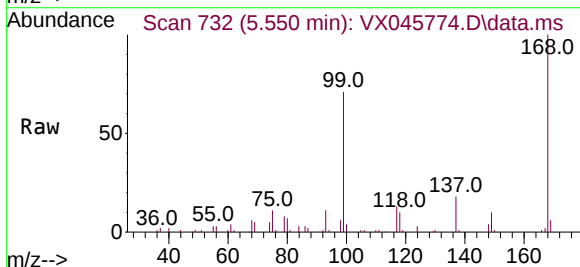
Tgt Ion: 117 Resp: 8457

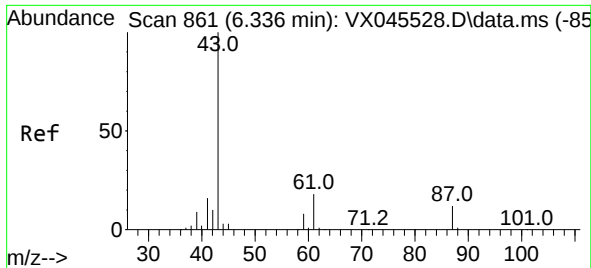
Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

121 0.0 24.2 36.2#

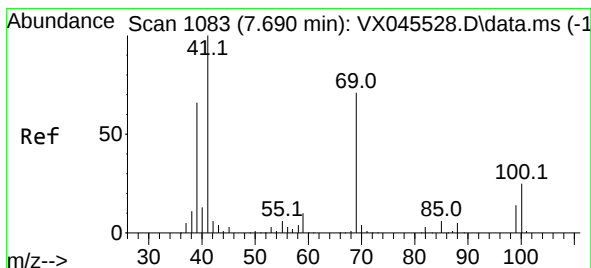
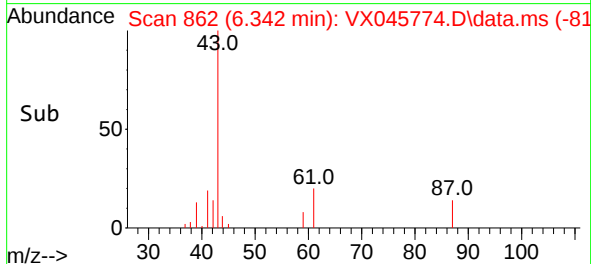
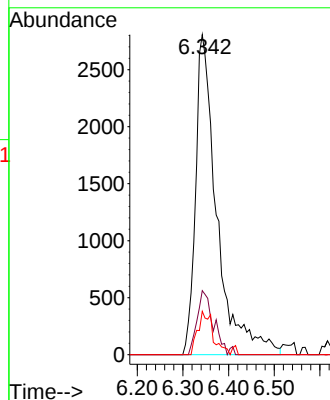
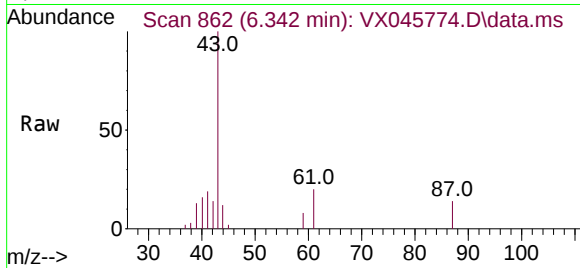




#43
Isopropyl Acetate
Concen: 3.461 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

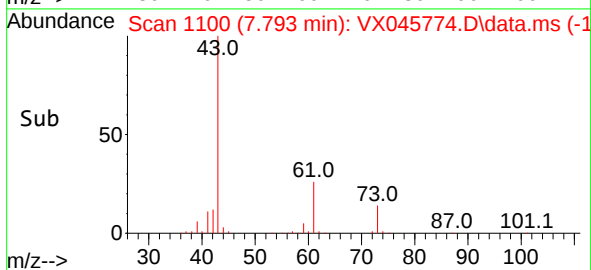
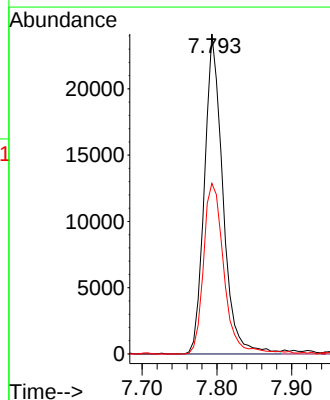
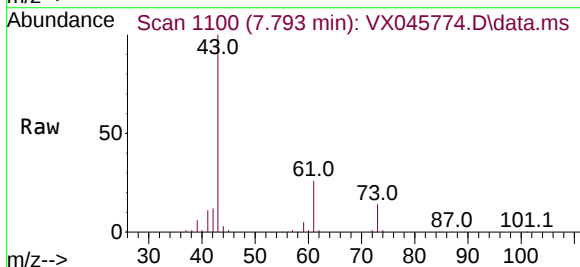
Instrument :
MSVOA_X
ClientSampleId :
WC-12

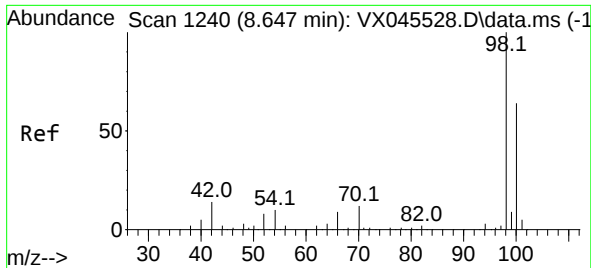
Tgt Ion: 43 Resp: 9114
Ion Ratio Lower Upper
43 100
61 15.1 14.1 21.1
87 9.6 9.2 13.8



#48
Methyl methacrylate
Concen: 30.414 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 41 Resp: 41358
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.1 53.6 80.4

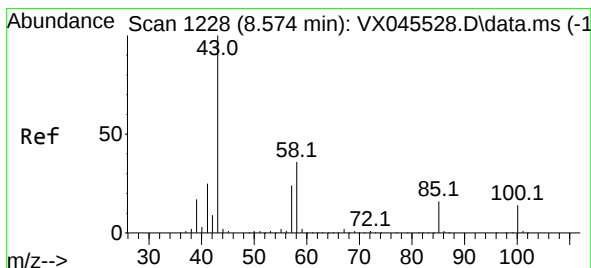
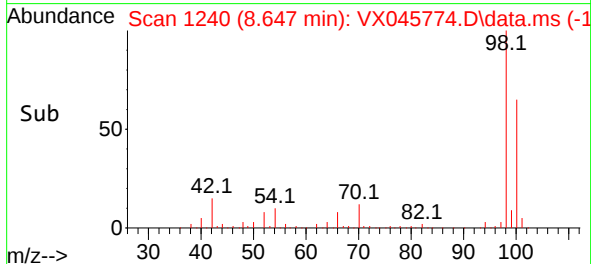
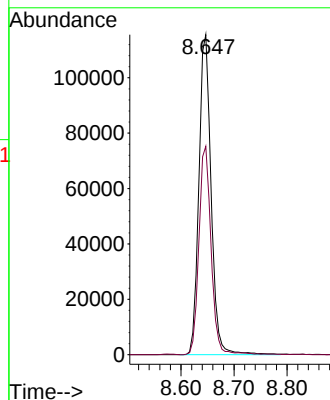
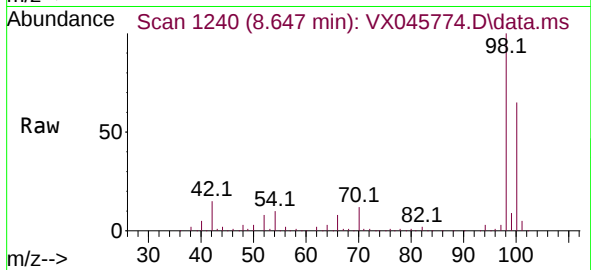




#50
Toluene-d8
Concen: 51.983 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

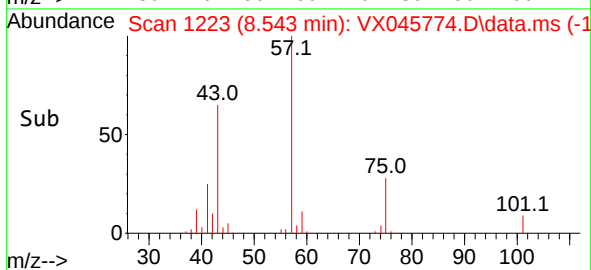
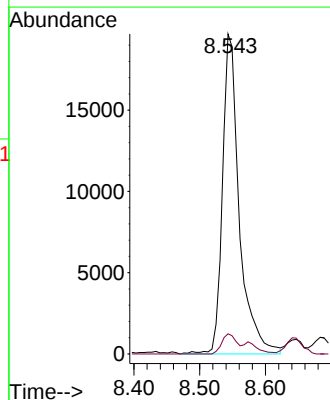
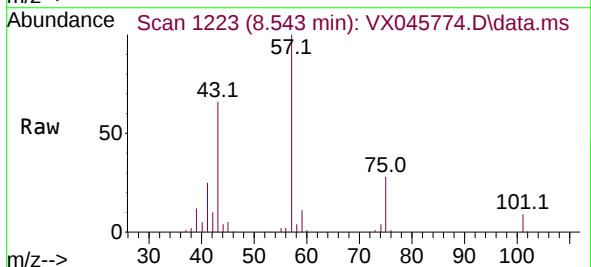
Instrument :
MSVOA_X
ClientSampleId :
WC-12

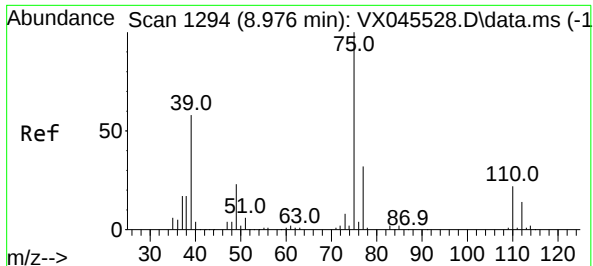
Tgt Ion: 98 Resp: 185296
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 20.107 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 43 Resp: 35105
Ion Ratio Lower Upper
43 100
58 5.5 28.5 42.7#

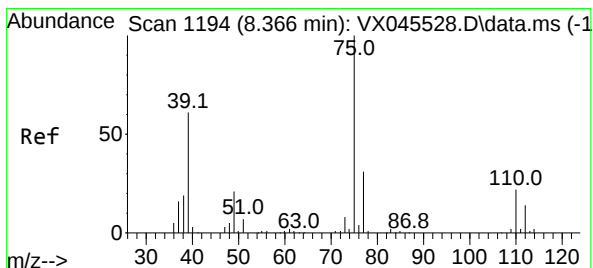
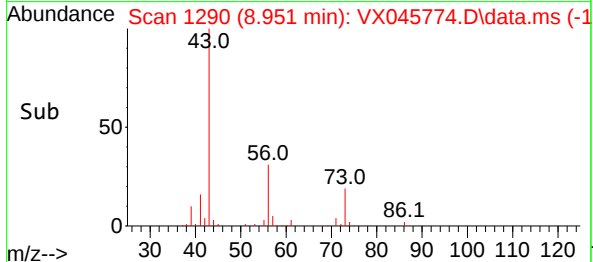
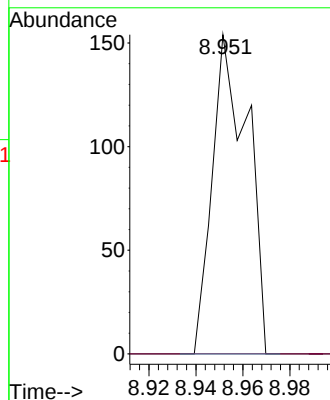
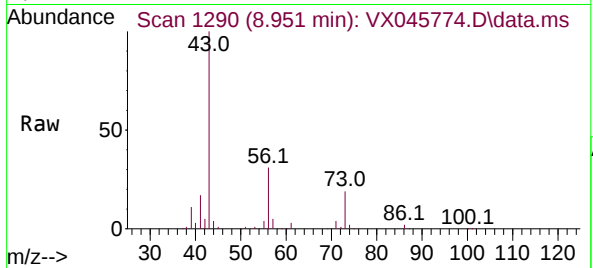




#53
 t-1,3-Dichloropropene
 Concen: 2.388 ug/l
 RT: 8.951 min Scan# 1124
 Delta R.T. -0.025 min
 Lab File: VX045774.D
 Acq: 14 Apr 2025 17:31

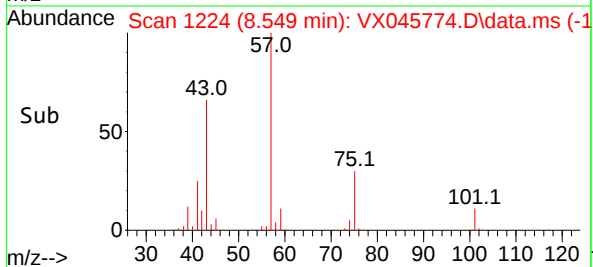
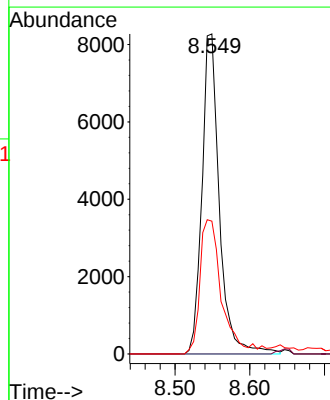
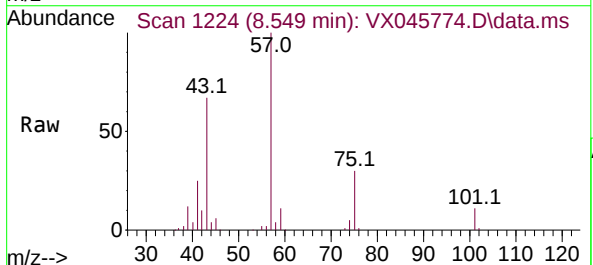
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

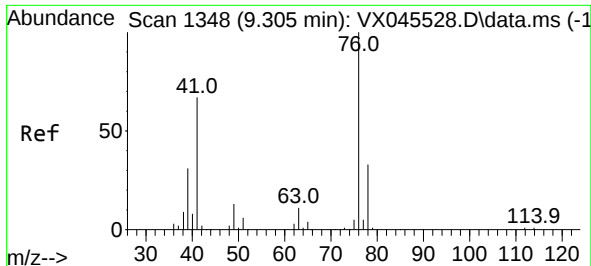
Tgt Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.846 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045774.D
 Acq: 14 Apr 2025 17:31

Tgt Ion: 75 Resp: 13391
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 41.5 48.4 72.6#

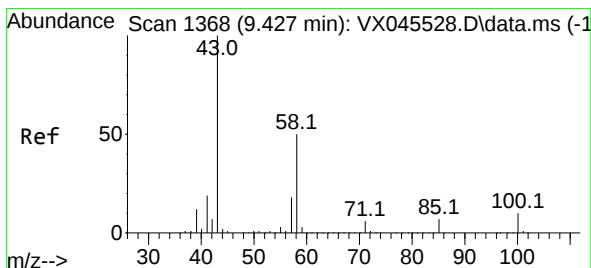
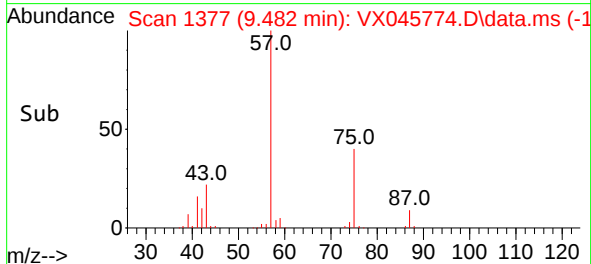
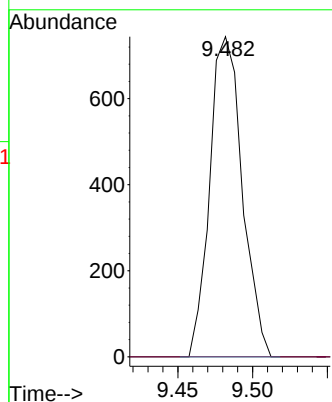
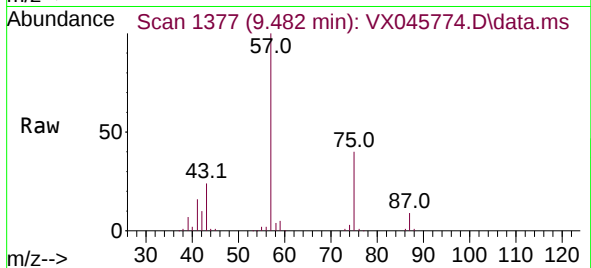




#57
1,3-Dichloropropane
Concen: 0.637 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

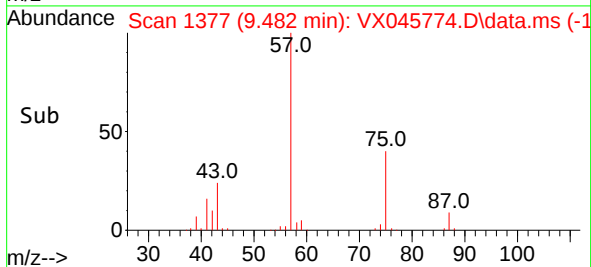
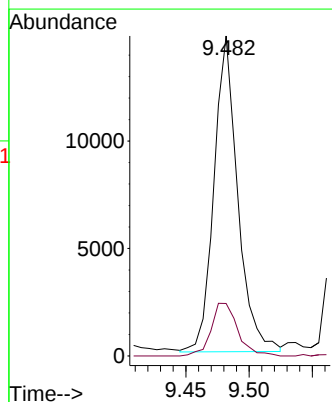
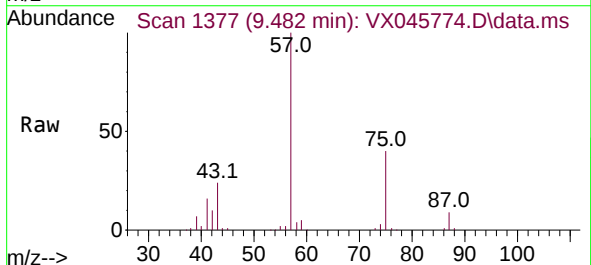
Instrument :
MSVOA_X
ClientSampleId :
WC-12

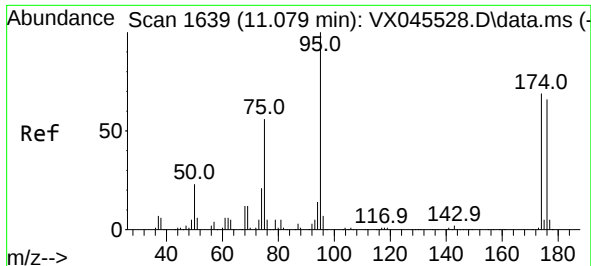
Tgt Ion: 76 Resp: 1126
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 14.854 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 43 Resp: 19205
Ion Ratio Lower Upper
43 100
58 18.7 24.9 74.6#

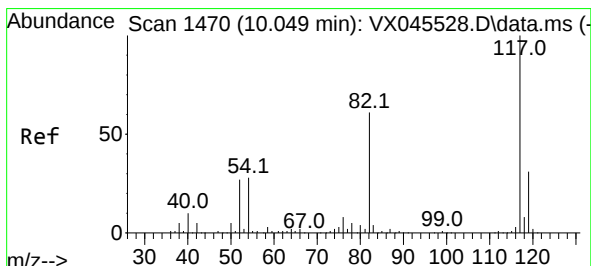
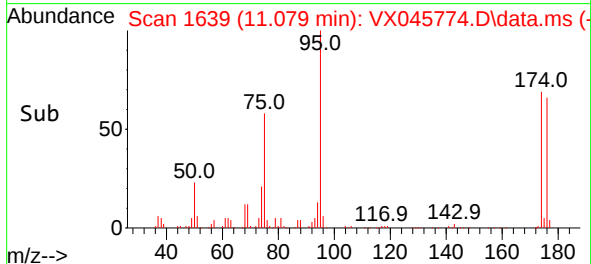
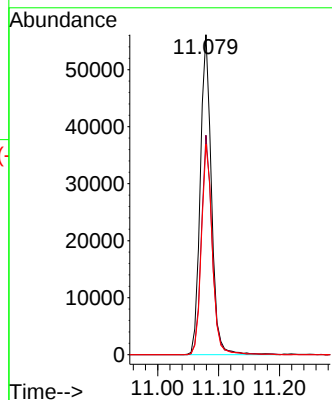
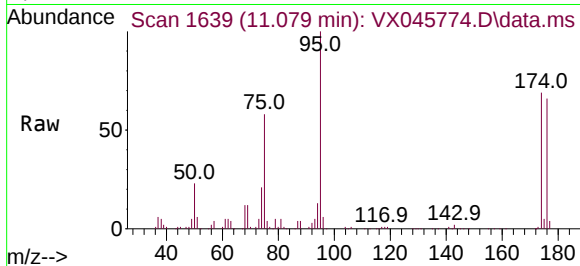




#62
4-Bromofluorobenzene
Concen: 54.770 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

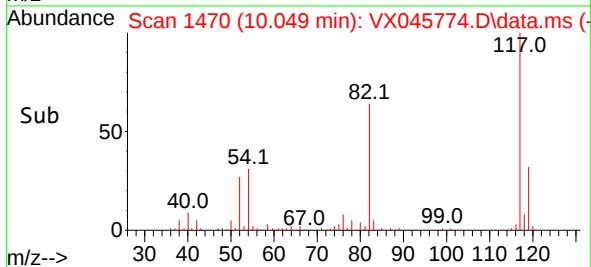
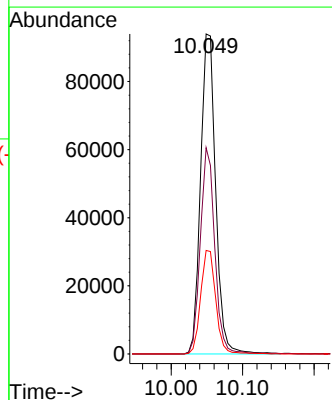
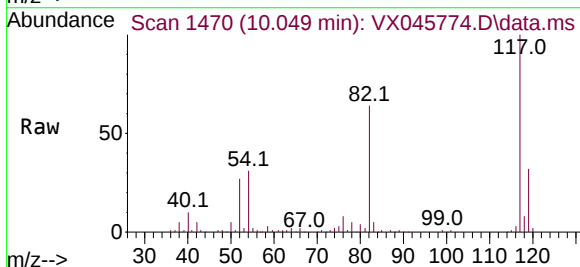
Instrument :
MSVOA_X
ClientSampleId :
WC-12

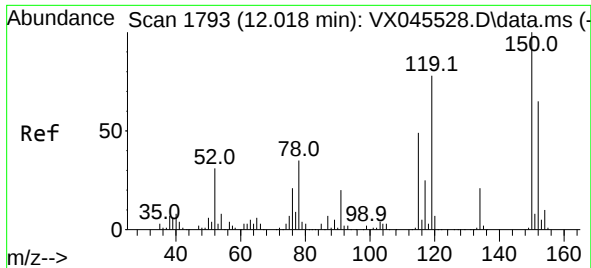
Tgt Ion: 95 Resp: 71113
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 117 Resp: 137772
Ion Ratio Lower Upper
117 100
82 64.5 49.2 73.8
119 32.4 25.1 37.7

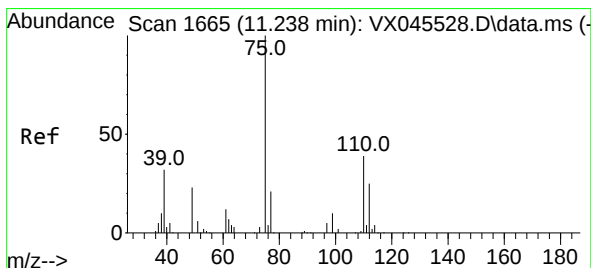
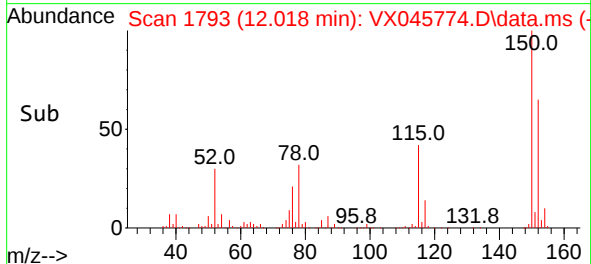
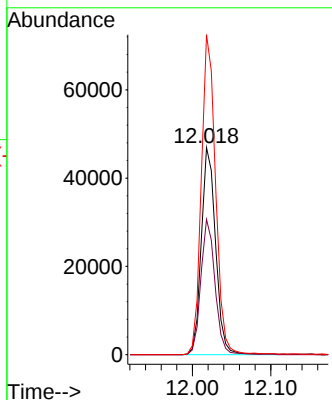
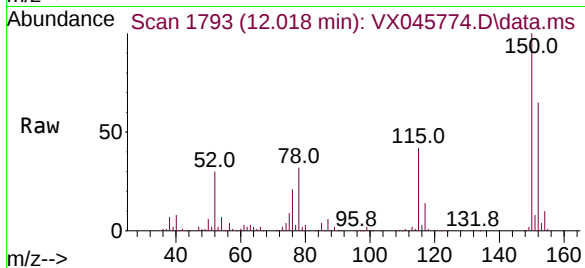




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

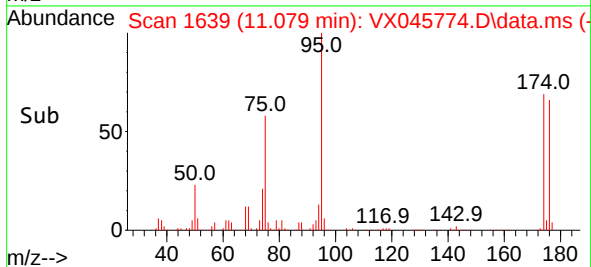
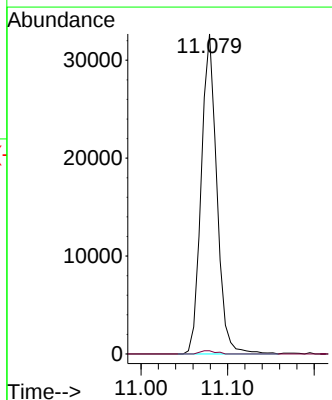
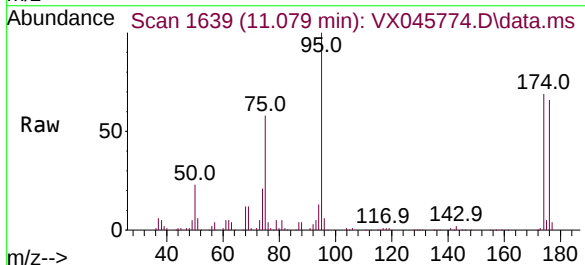
Instrument :
MSVOA_X
ClientSampleId :
WC-12

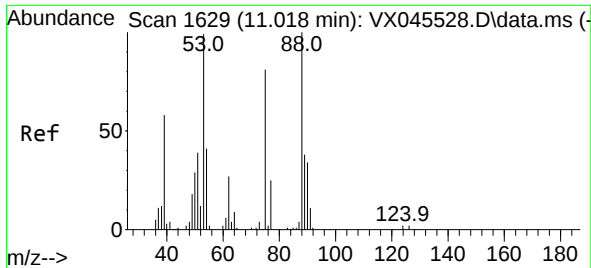
Tgt Ion:152 Resp: 59564
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 154.7 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 28.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045774.D
Acq: 14 Apr 2025 17:31

Tgt Ion: 75 Resp: 40930
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.609 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045774.D
 Acq: 14 Apr 2025 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12

Tgt Ion: 75 Resp: 40930
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

