

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046009.D
 Acq On : 30 Apr 2025 19:34
 Operator : JC/MD
 Sample : Q1913-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12-A-202504

Quant Time: May 01 03:39:53 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)

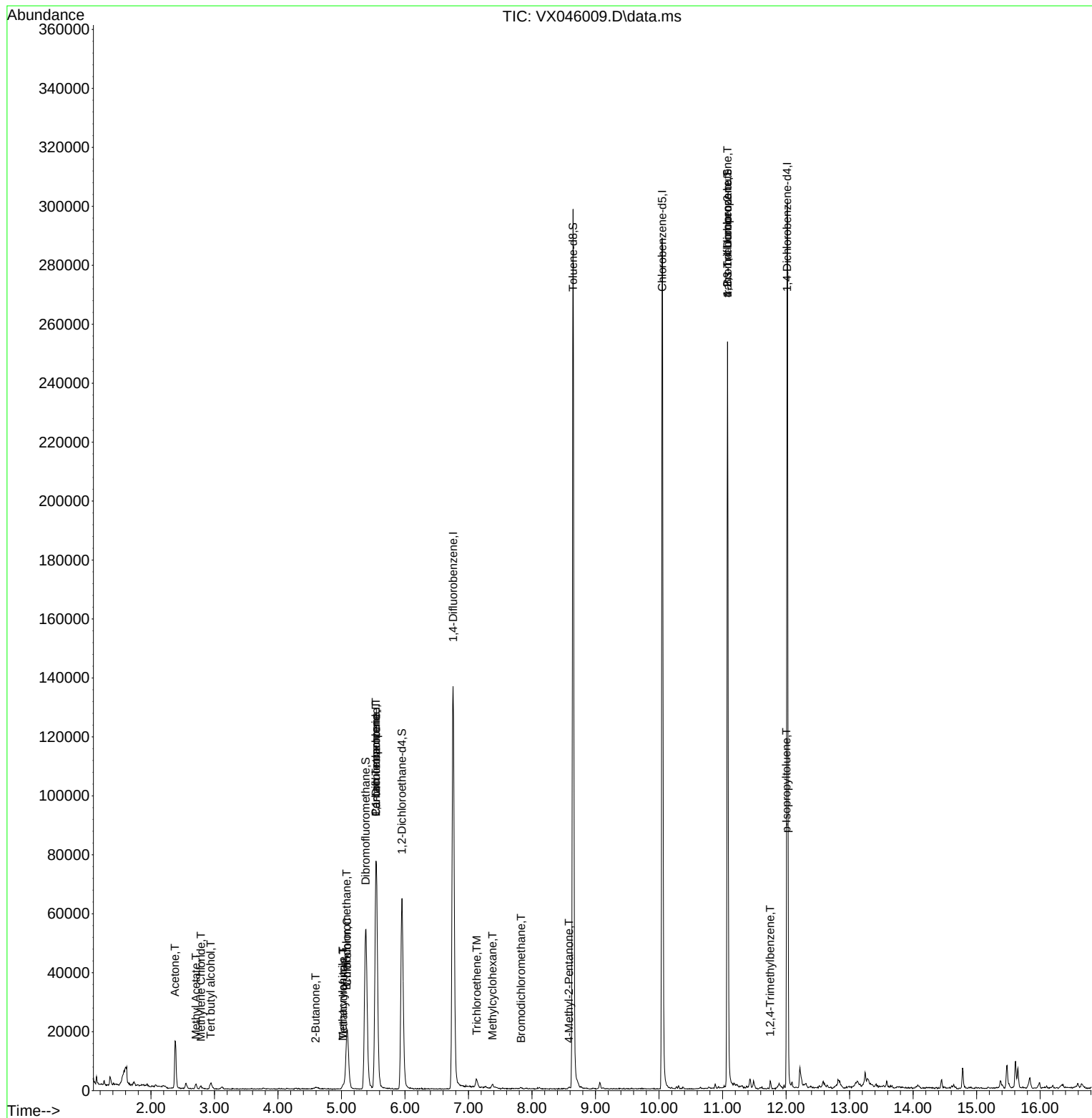
Internal Standards						
1) Pentafluorobenzene	5.544	168	66850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65346	53.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.900%			
35) Dibromofluoromethane	5.379	113	48020	51.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8	8.647	98	165995	50.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	64622	54.020	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.040%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	1505	9.160	ug/l #	72
16) Acetone	2.380	43	17845	35.548	ug/l	98
18) Methyl Acetate	2.709	43	2230	1.929	ug/l #	88
20) Methylene Chloride	2.788	84	451	0.480	ug/l #	84
25) 2-Butanone	4.593	43	157	0.214	ug/l #	65
28) Bromochloromethane	5.080	49	2130	2.598	ug/l #	18
29) Tetrahydrofuran	5.026	42	1683	3.533	ug/l #	85
30) Chloroform	5.086	83	23789	13.629	ug/l	96
36) 1,1-Dichloropropene	5.544	75	6490	5.108	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7961	5.798	ug/l #	15
39) Methylcyclohexane	7.379	83	560	0.360	ug/l #	78
41) Methacrylonitrile	5.019	41	511	0.605	ug/l #	38
44) Trichloroethene	7.129	130	1085	1.177	ug/l	100
47) Bromodichloromethane	7.830	83	478	0.322	ug/l #	90
51) 4-Methyl-2-Pentanone	8.580	43	687	0.427	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	37537	27.898	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	37537	94.682	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.750	105	1477	0.403	ug/l	95
86) p-Isopropyltoluene	12.006	119	1244	0.340	ug/l #	70

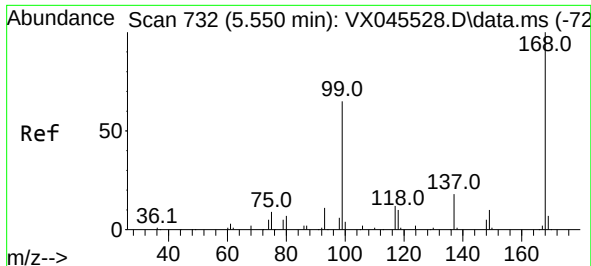
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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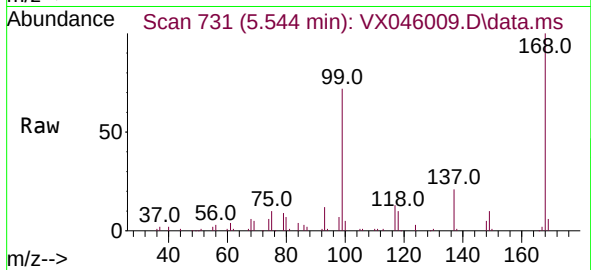
Quant Time: May 01 03:39:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
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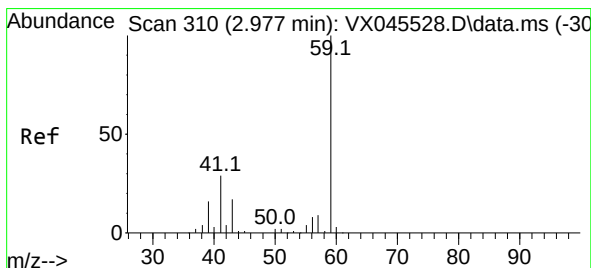
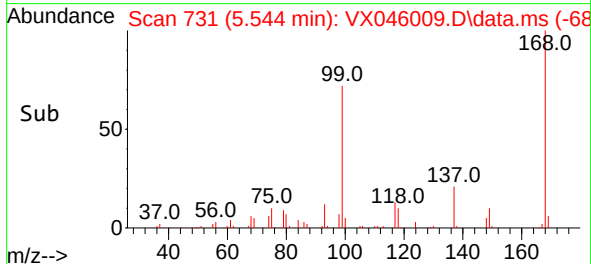
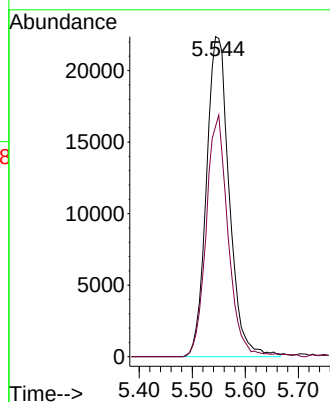


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

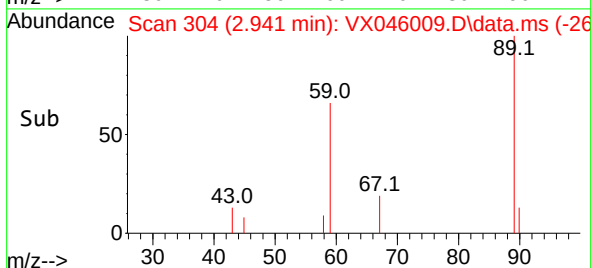
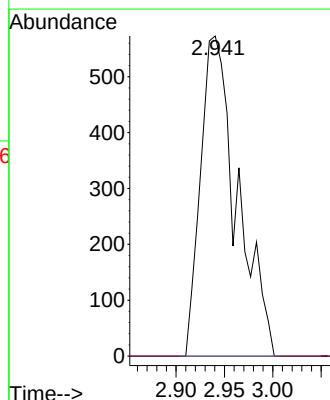
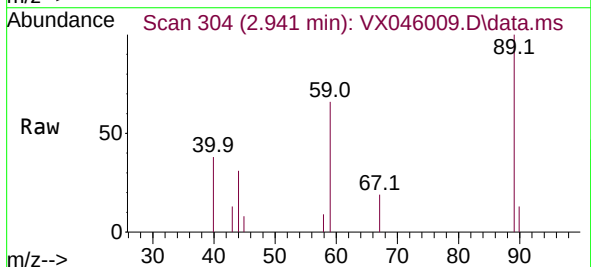


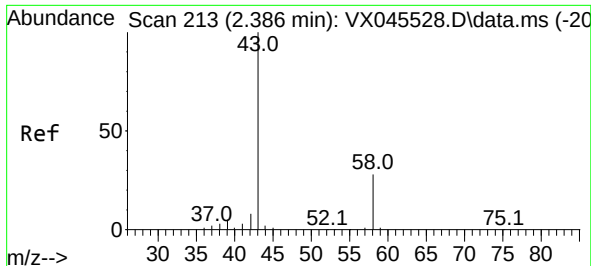
Tgt Ion:168 Resp: 66850
Ion Ratio Lower Upper
168 100
99 72.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 9.160 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 59 Resp: 1505
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

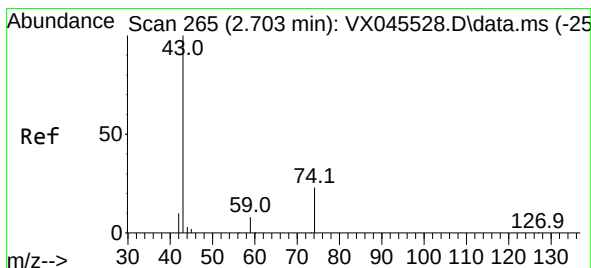
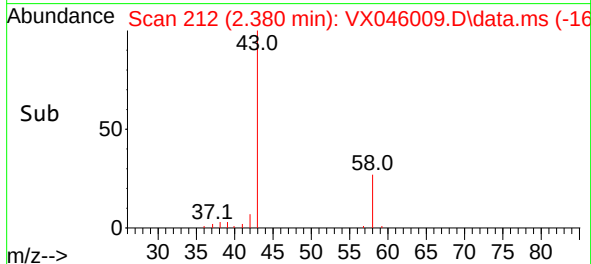
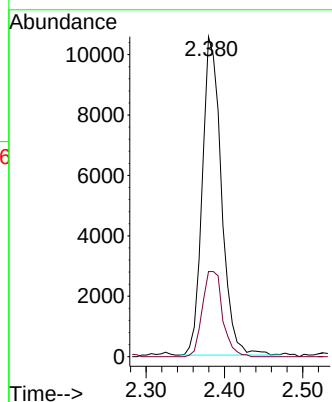
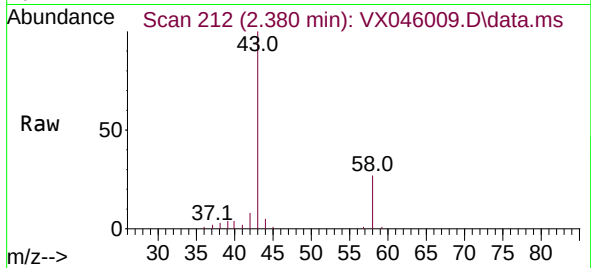




#16
Acetone
Concen: 35.548 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

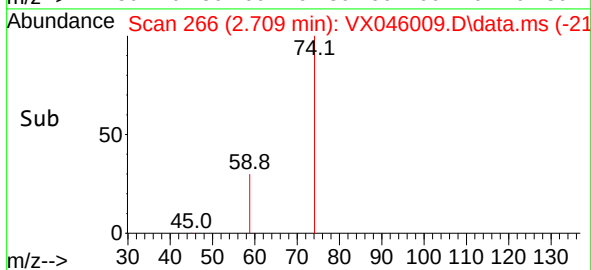
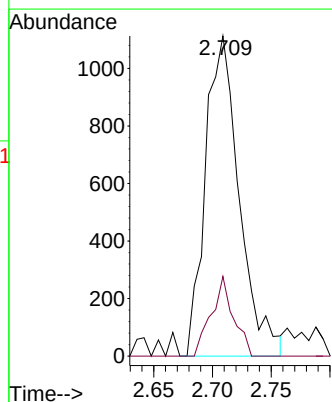
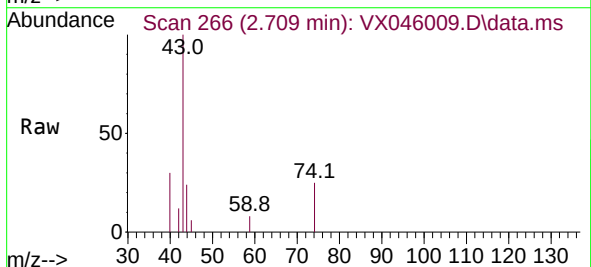
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

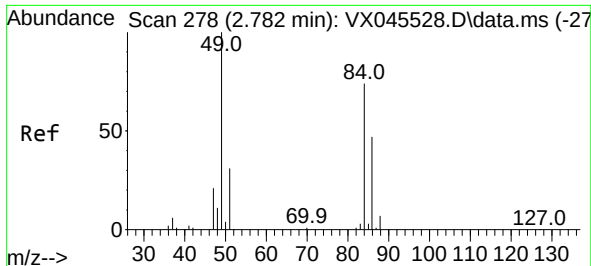
Tgt Ion: 43 Resp: 17845
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.929 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
74 16.3 17.5 26.3#

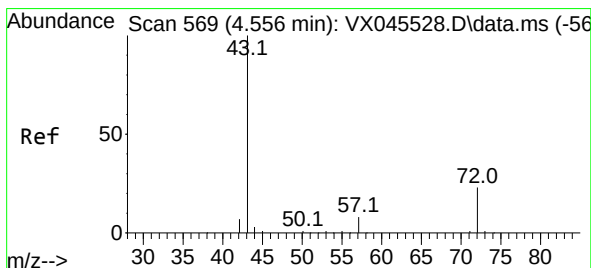
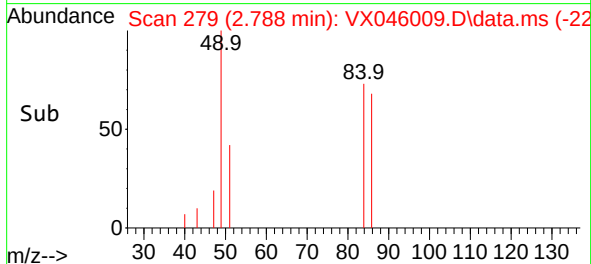
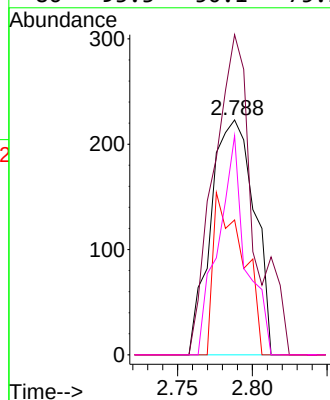
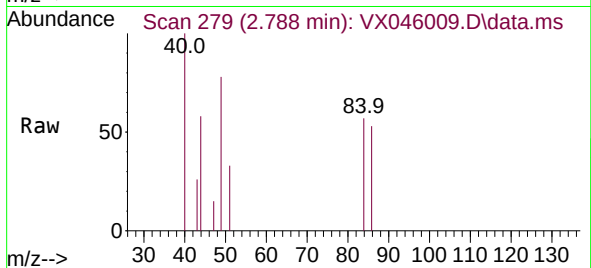




#20
Methylene Chloride
Concen: 0.480 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

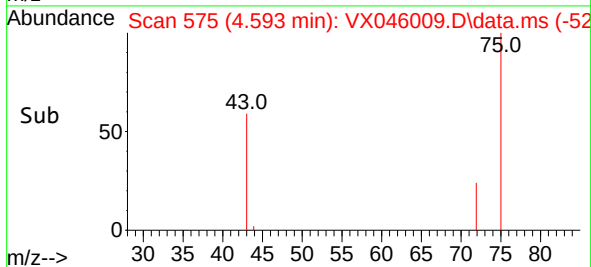
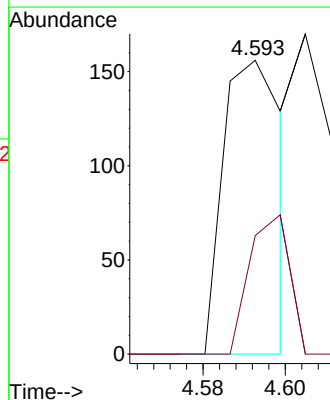
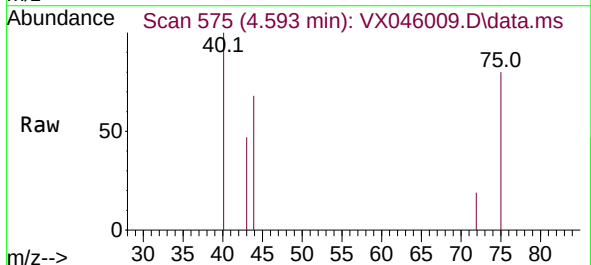
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

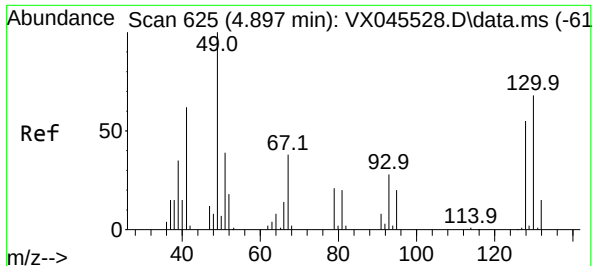
Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 136.3 107.5 161.3
51 57.4 33.0 49.6#
86 93.3 50.1 75.1#



#25
2-Butanone
Concen: 0.214 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
72 40.4 18.6 28.0#

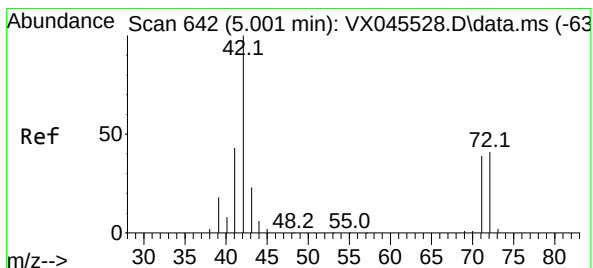
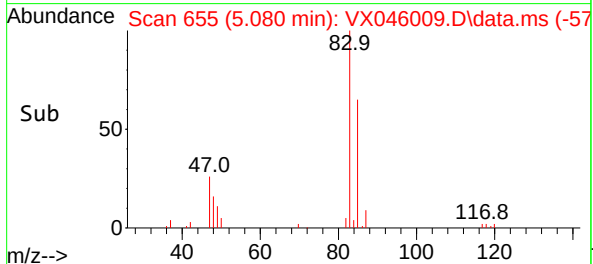
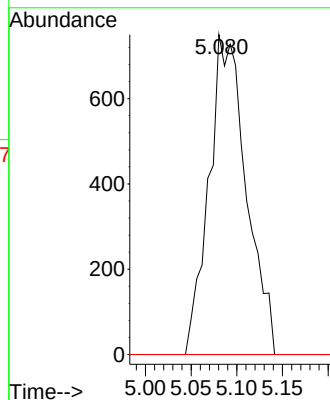
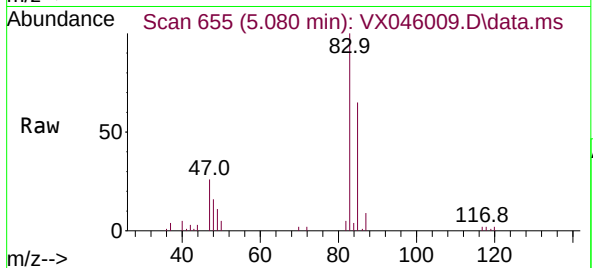




#28
Bromochloromethane
Concen: 2.598 ug/l
RT: 5.080 min Scan# 611
Delta R.T. 0.183 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

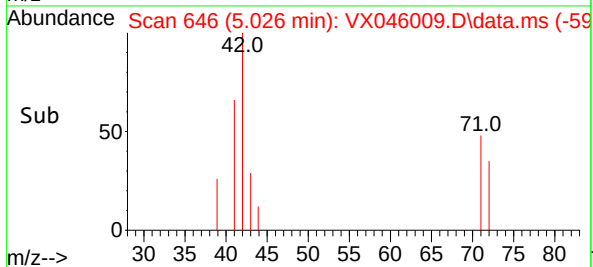
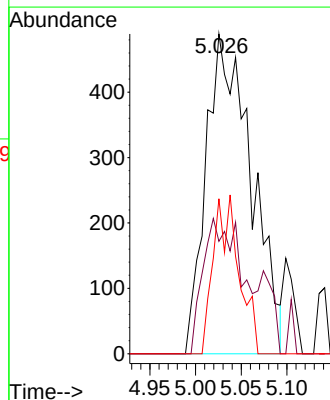
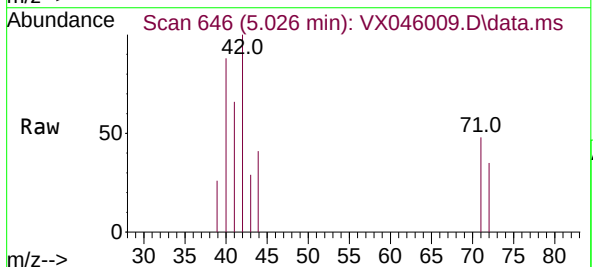
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

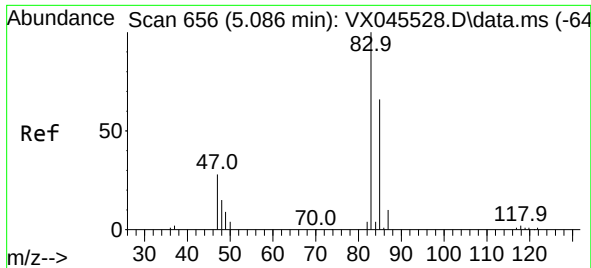
Tgt Ion: 49 Resp: 2130
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.6 81.8#



#29
Tetrahydrofuran
Concen: 3.533 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 42 Resp: 1683
Ion Ratio Lower Upper
42 100
72 34.8 33.4 50.0
71 27.7 31.4 47.0#

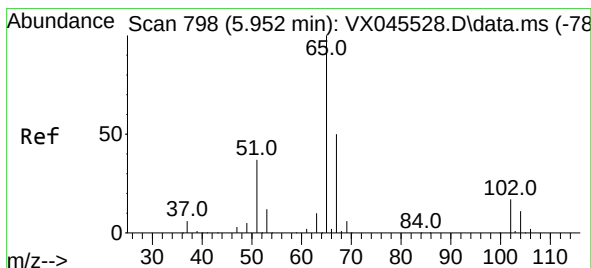
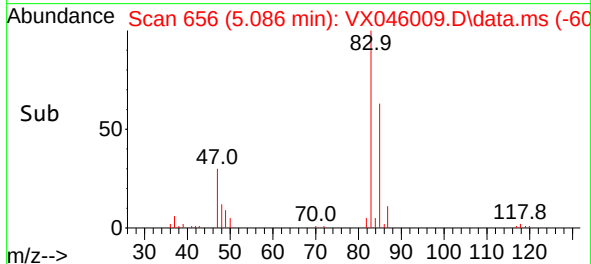
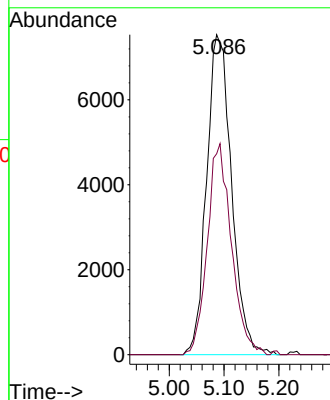
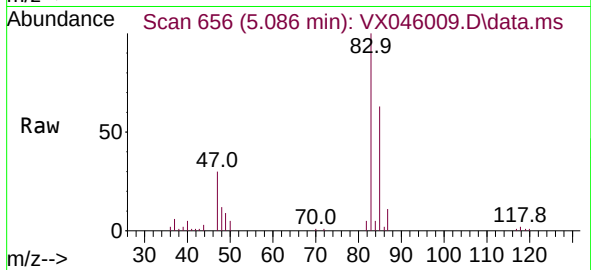




#30
Chloroform
Concen: 13.629 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

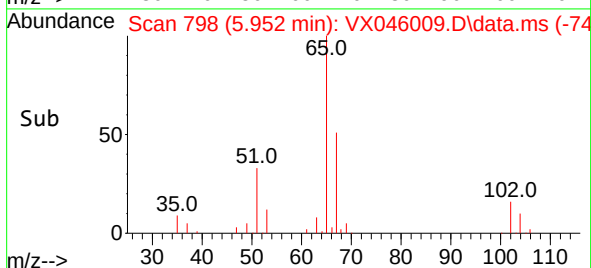
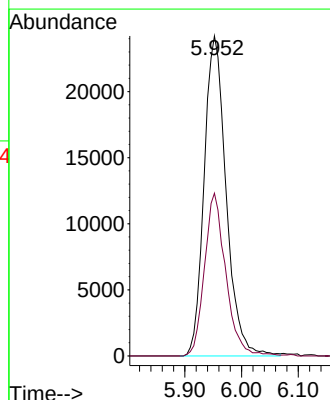
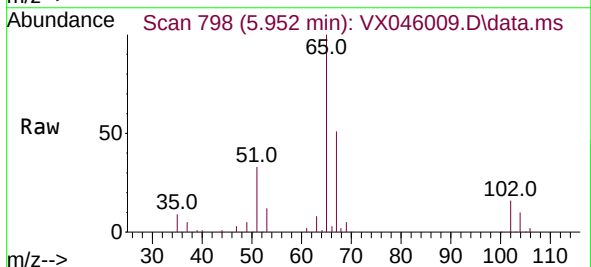
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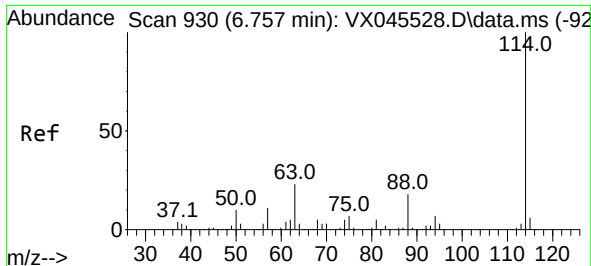
Tgt Ion: 83 Resp: 23789
Ion Ratio Lower Upper
83 100
85 62.8 52.8 79.2



#33
1,2-Dichloroethane-d4
Concen: 53.452 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 65 Resp: 65346
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

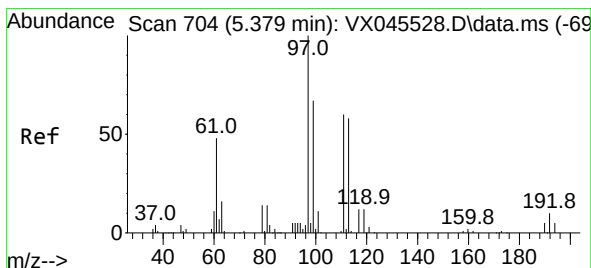
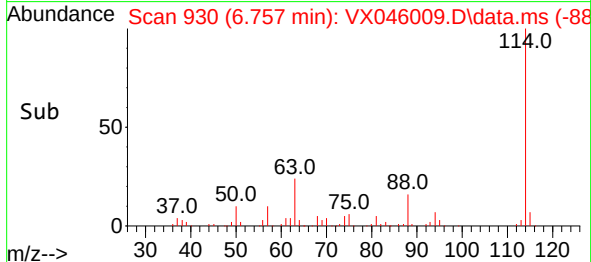
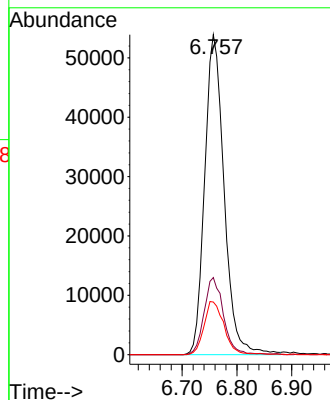
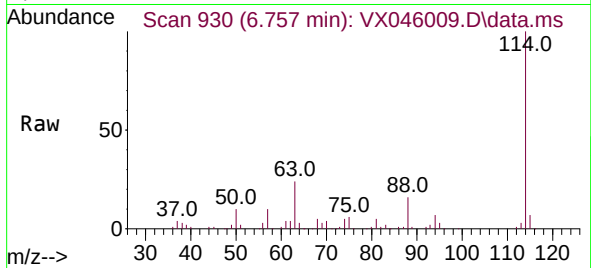




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 914
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

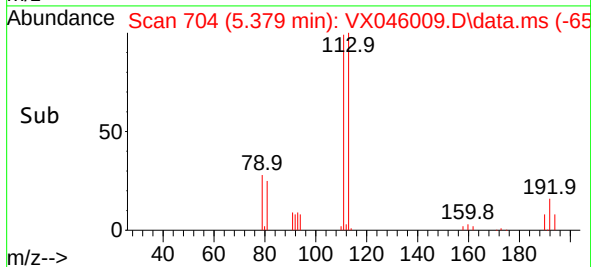
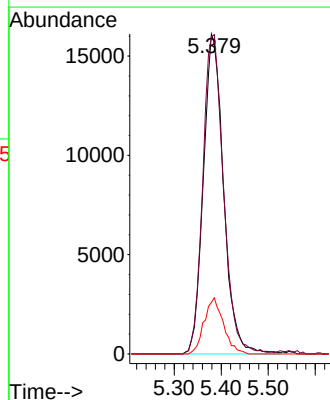
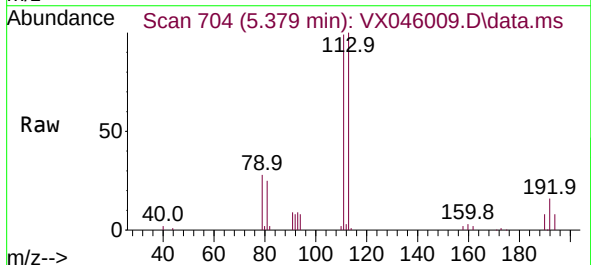
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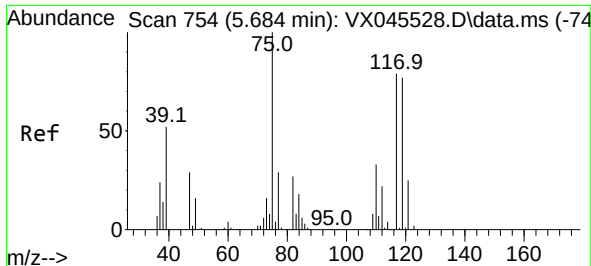
Tgt Ion:114 Resp: 132618
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.035 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion:113 Resp: 48020
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.108 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX046009.D

Acq: 30 Apr 2025 19:34

Instrument :

MSVOA_X

ClientSampleId :

WC-12-A-202504

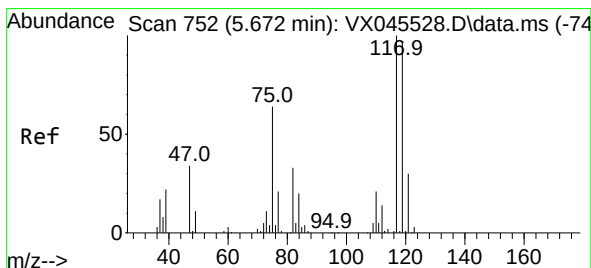
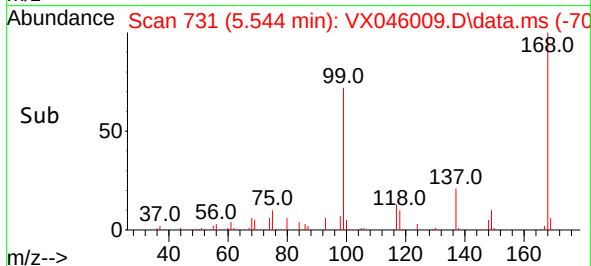
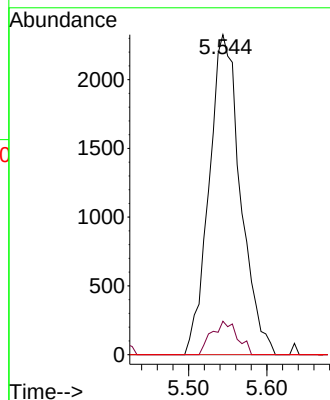
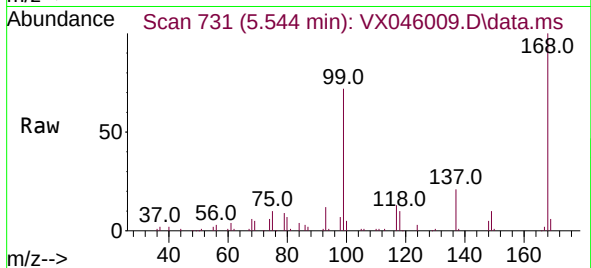
Tgt Ion: 75 Resp: 6490

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX046009.D

Acq: 30 Apr 2025 19:34

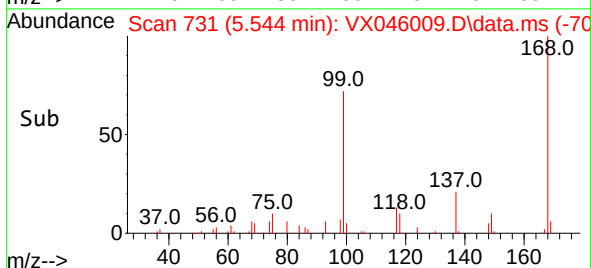
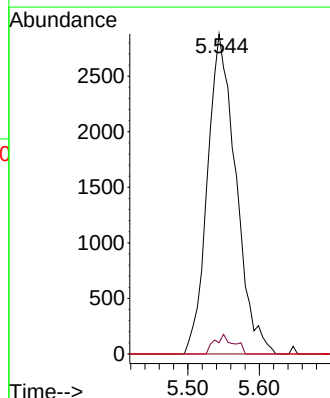
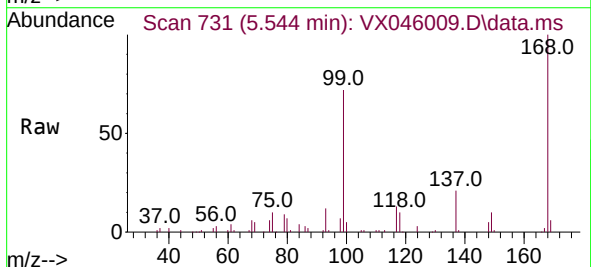
Tgt Ion: 117 Resp: 7961

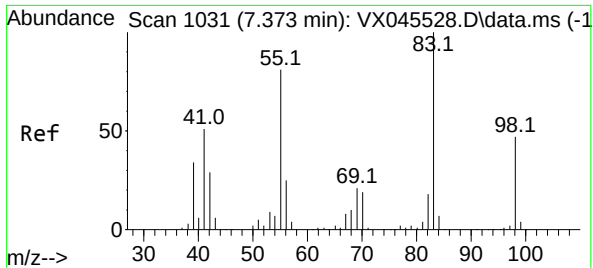
Ion Ratio Lower Upper

117 100

119 3.5 76.9 115.3#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.360 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046009.D

Acq: 30 Apr 2025 19:34

Instrument :

MSVOA_X

ClientSampleId :

WC-12-A-202504

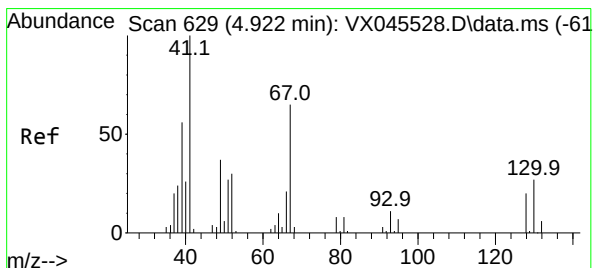
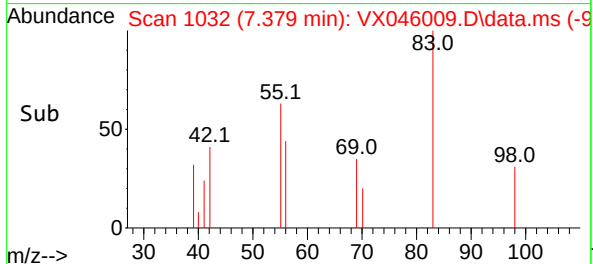
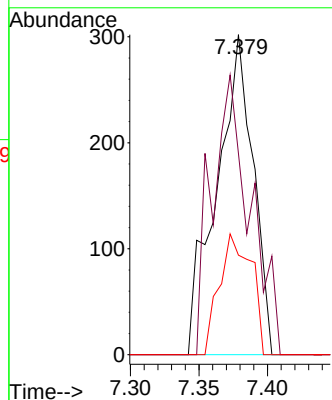
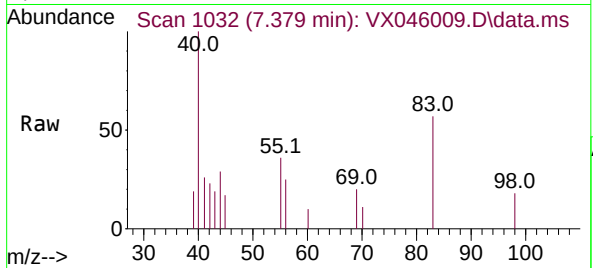
Tgt Ion: 83 Resp: 560

Ion Ratio Lower Upper

83 100

55 62.9 64.9 97.3#

98 31.1 37.4 56.0#



#41

Methacrylonitrile

Concen: 0.605 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.098 min

Lab File: VX046009.D

Acq: 30 Apr 2025 19:34

Tgt Ion: 41 Resp: 511

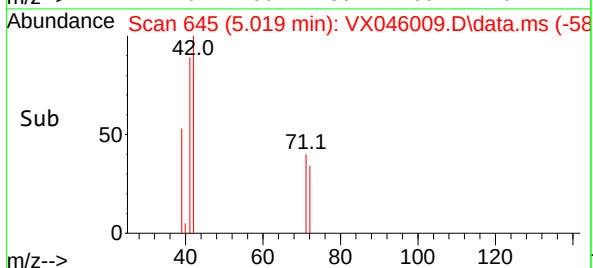
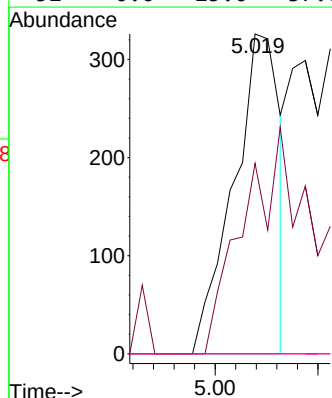
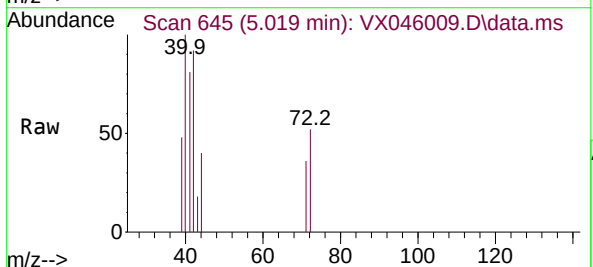
Ion Ratio Lower Upper

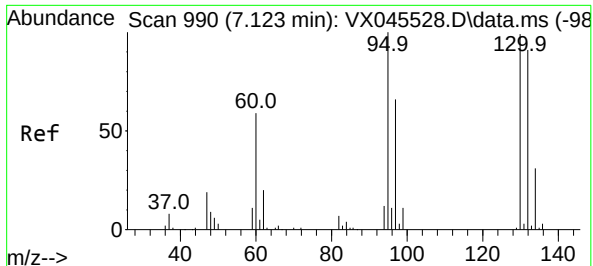
41 100

39 89.4 47.0 70.6#

67 0.0 53.2 79.8#

52 0.0 25.0 37.6#

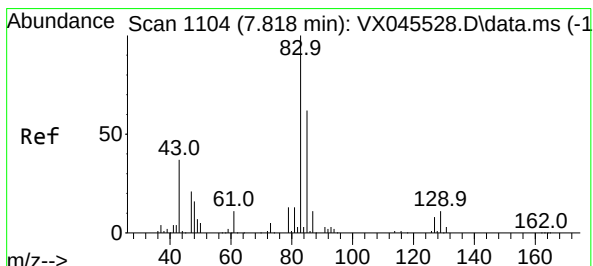
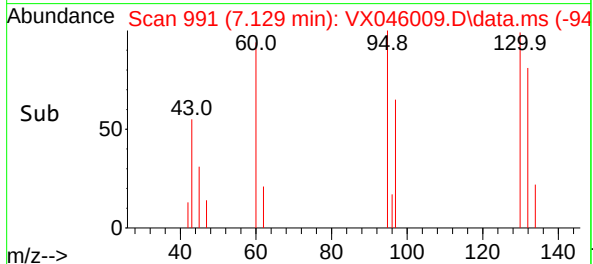
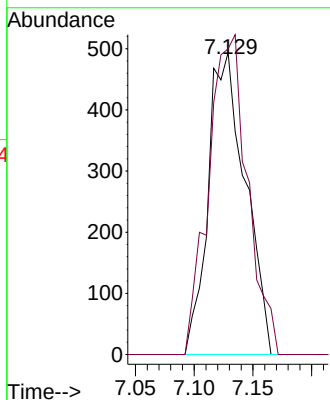
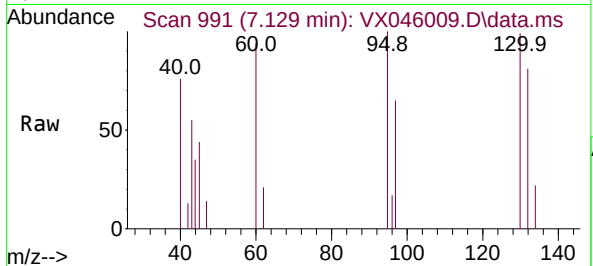




#44
Trichloroethene
Concen: 1.177 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

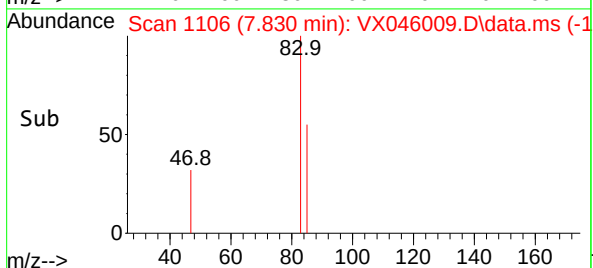
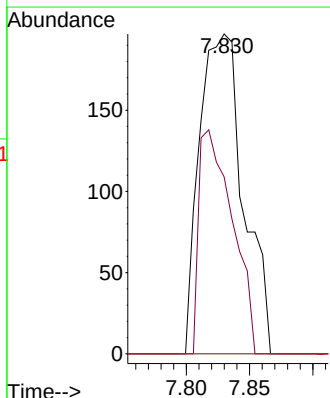
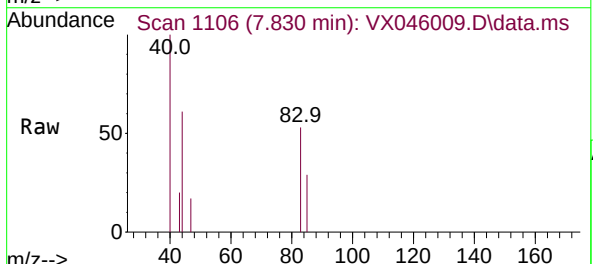
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

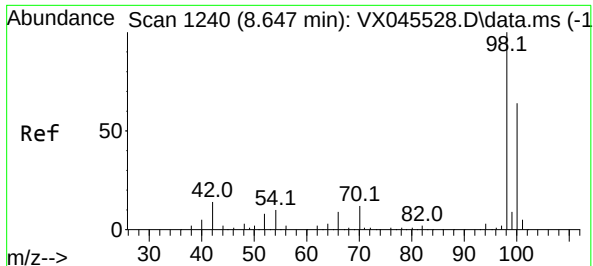
Tgt Ion:130 Resp: 1085
Ion Ratio Lower Upper
130 100
95 101.2 0.0 202.0



#47
Bromodichloromethane
Concen: 0.322 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.012 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 83 Resp: 478
Ion Ratio Lower Upper
83 100
85 55.3 49.7 74.5
127 0.0 6.1 9.1#

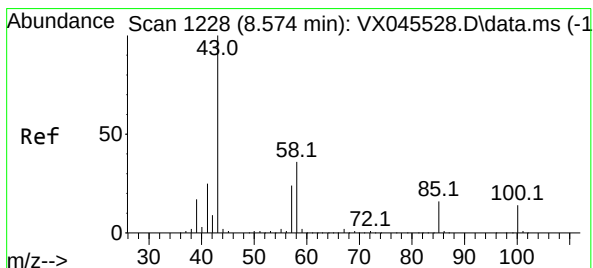
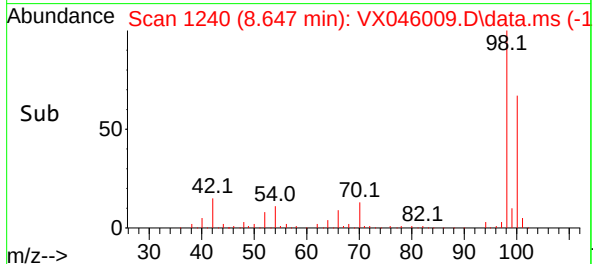
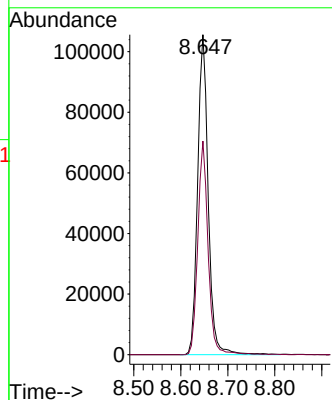
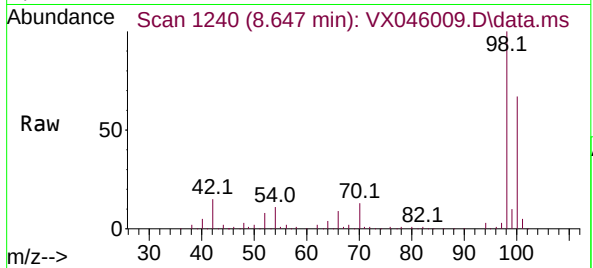




#50
Toluene-d8
Concen: 50.543 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

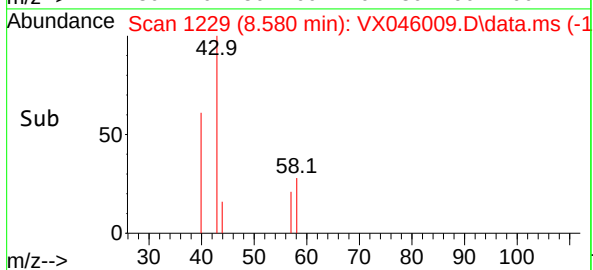
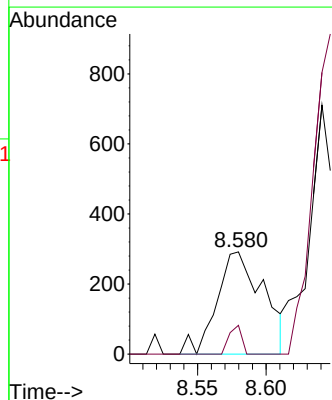
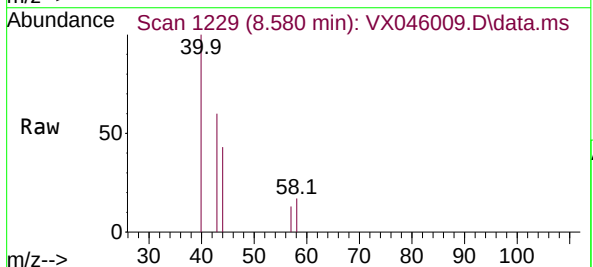
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

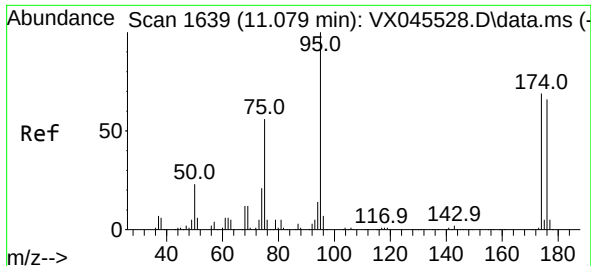
Tgt Ion: 98 Resp: 165995
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.427 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
58 7.6 28.5 42.7#

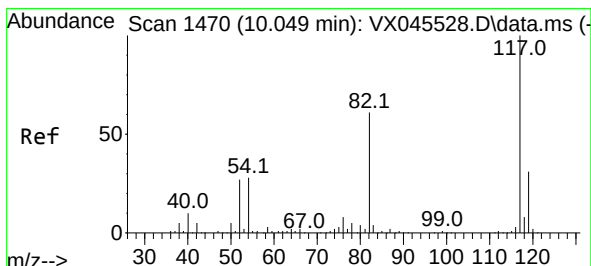
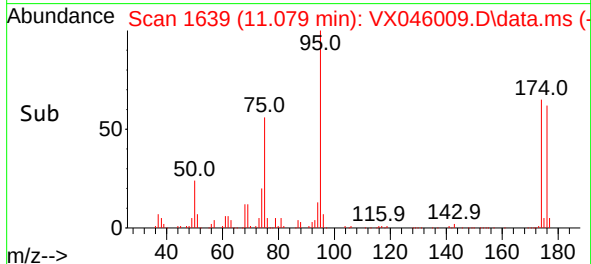
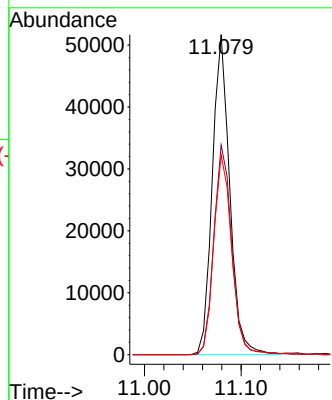
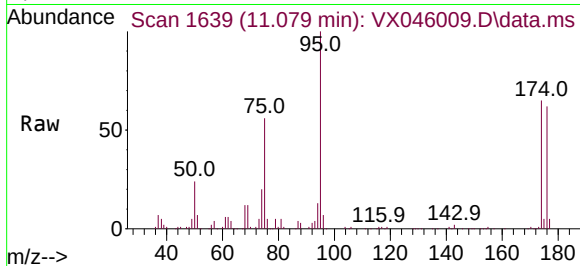




#62
4-Bromofluorobenzene
Concen: 54.020 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

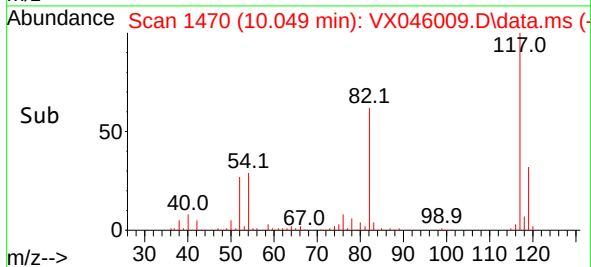
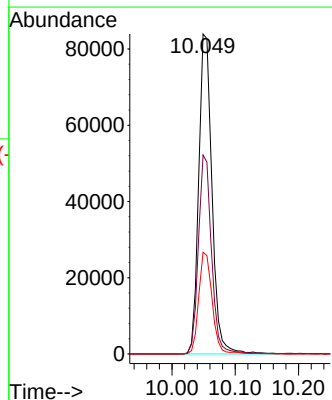
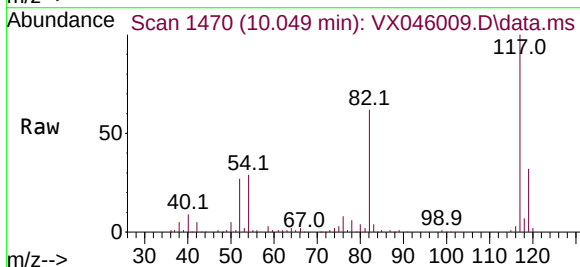
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

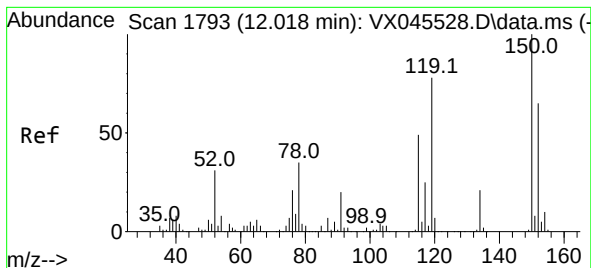
Tgt Ion: 95 Resp: 64622
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 117 Resp: 122930
Ion Ratio Lower Upper
117 100
82 62.2 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# 1

Delta R.T. 0.000 min

Lab File: VX046009.D

Acq: 30 Apr 2025 19:34

Instrument :

MSVOA_X

ClientSampleId :

WC-12-A-202504

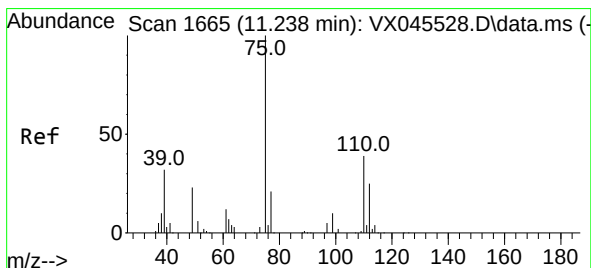
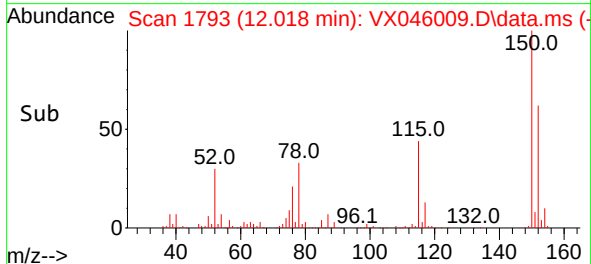
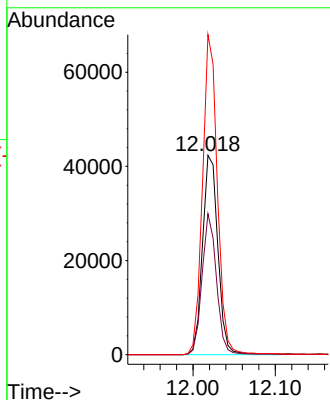
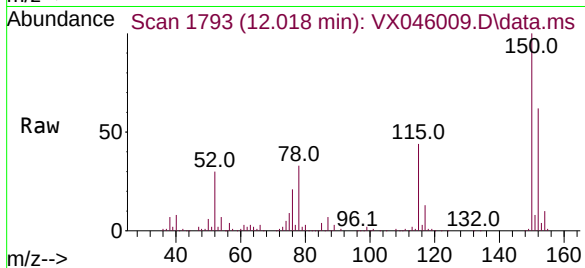
Tgt Ion:152 Resp: 55161

Ion Ratio Lower Upper

152 100

115 66.1 46.9 140.7

150 155.2 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 27.898 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046009.D

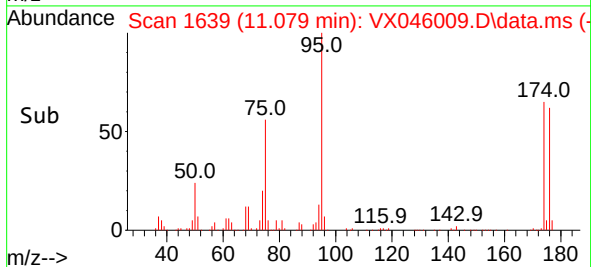
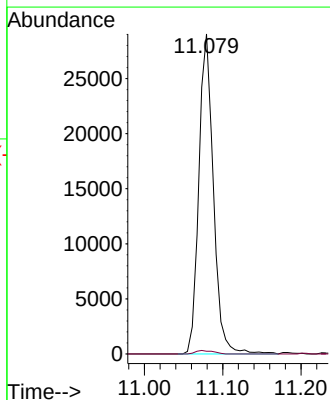
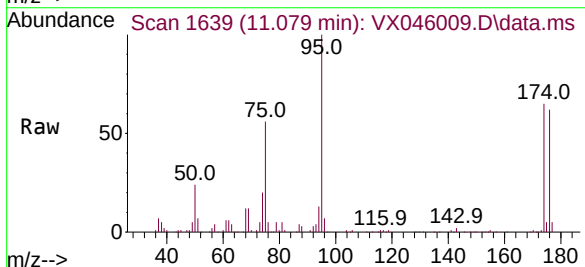
Acq: 30 Apr 2025 19:34

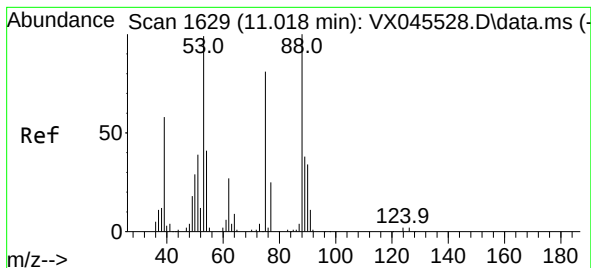
Tgt Ion: 75 Resp: 37537

Ion Ratio Lower Upper

75 100

77 1.3 20.0 59.9#

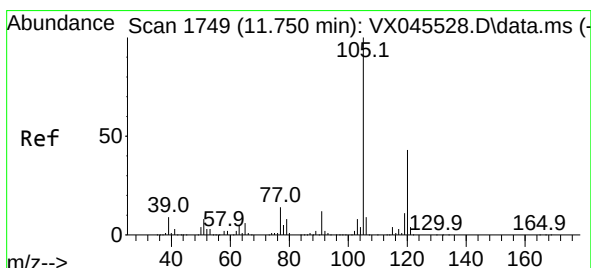
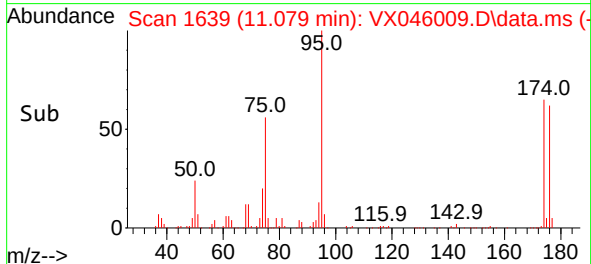
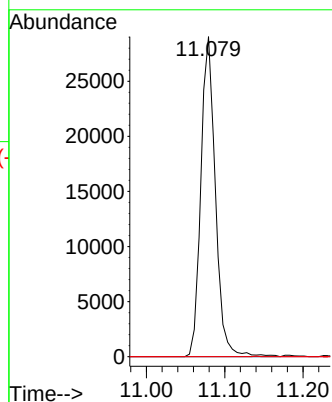
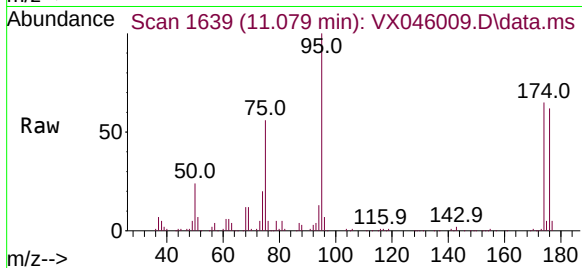




#81
trans-1,4-Dichloro-2-butene
Concen: 94.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

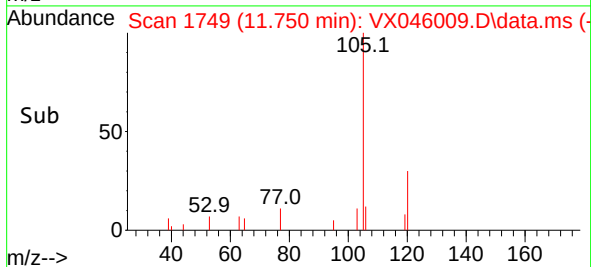
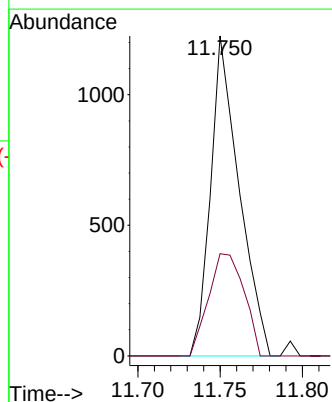
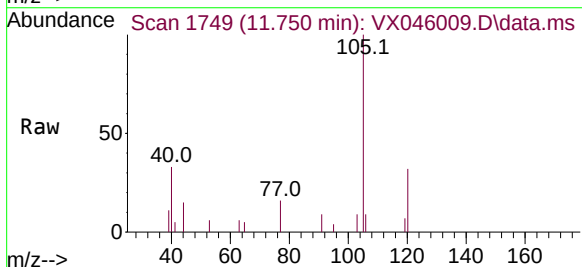
Instrument :
MSVOA_X
ClientSampleId :
WC-12-A-202504

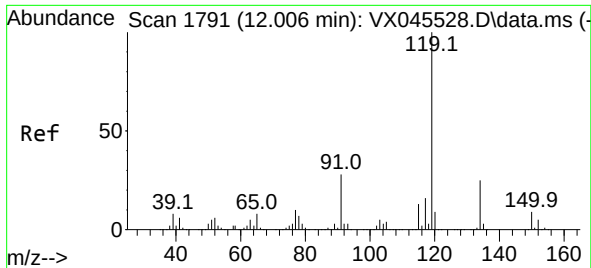
Tgt Ion: 75 Resp: 37537
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.403 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046009.D
Acq: 30 Apr 2025 19:34

Tgt Ion: 105 Resp: 1477
Ion Ratio Lower Upper
105 100
120 39.7 21.4 64.3





#86
 p-Isopropyltoluene
 Concen: 0.340 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046009.D
 Acq: 30 Apr 2025 19:34

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12-A-202504

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	12.6	37.8
91	55.0	13.7	41.1#

