

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045779.D
 Acq On : 14 Apr 2025 19:26
 Operator : JC/MD
 Sample : Q1788-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Apr 15 01:31:32 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	69486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53349	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70404	55.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.800%	
35) Dibromofluoromethane	5.379	113	50282	51.282	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	8.647	98	177114	51.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.500%	
62) 4-Bromofluorobenzene	11.079	95	63884	51.247	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.500%	

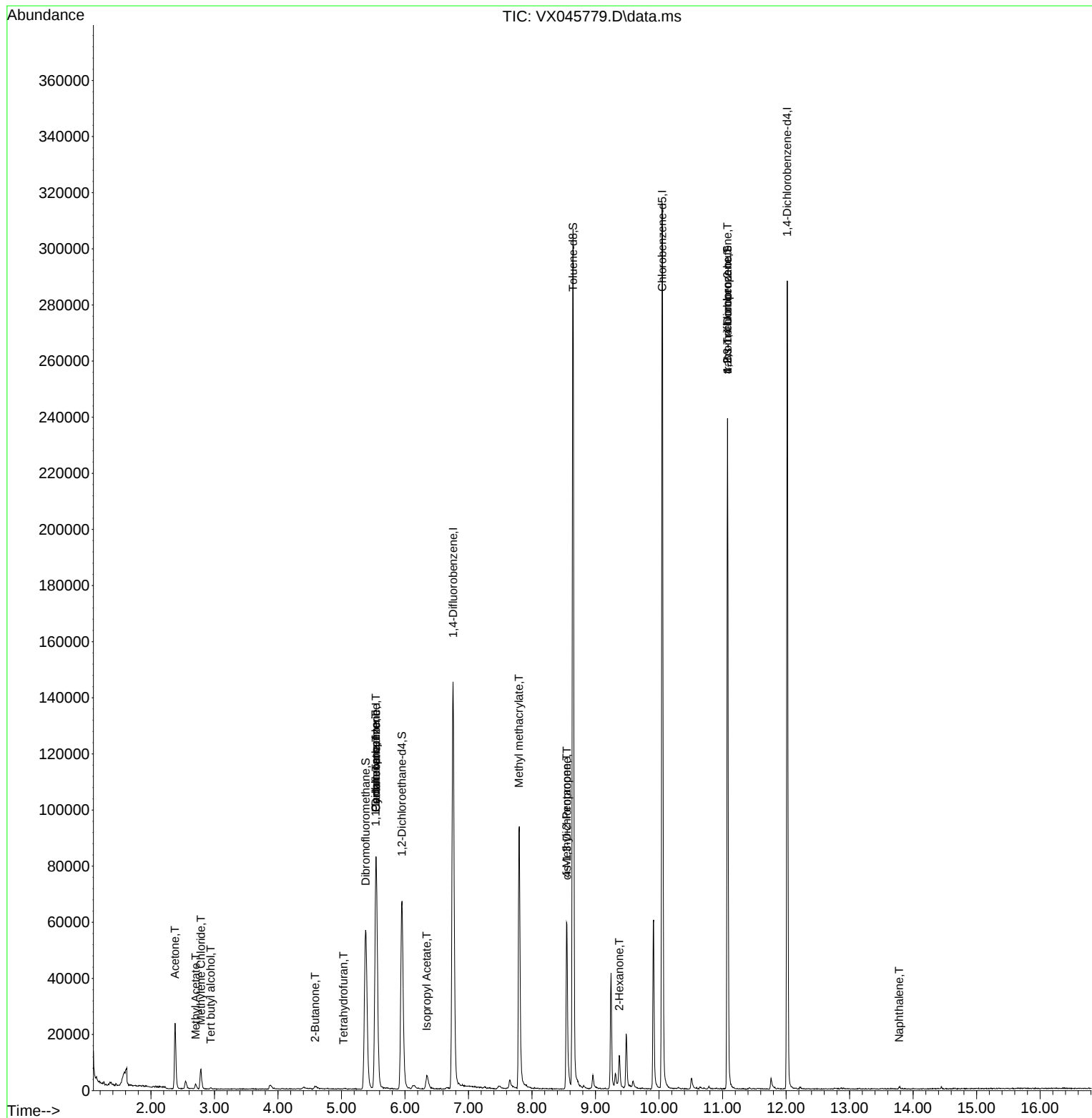
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	48	0.281	ug/l #	72
16) Acetone	2.380	43	25431	48.738	ug/l	96
18) Methyl Acetate	2.703	43	2340	1.948	ug/l #	87
20) Methylene Chloride	2.788	84	3289	3.367	ug/l #	87
25) 2-Butanone	4.587	43	2227	2.916	ug/l	94
29) Tetrahydrofuran	5.032	42	289	0.584	ug/l #	35
31) Cyclohexane	5.544	56	2151	1.380	ug/l #	17
36) 1,1-Dichloropropene	5.538	75	6917	5.225	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8455	5.909	ug/l #	18
43) Isopropyl Acetate	6.342	43	7343	2.904	ug/l	98
48) Methyl methacrylate	7.793	41	10436	7.993	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	24366	14.536	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	9353	6.435	ug/l #	69
59) 2-Hexanone	9.372	43	9269	7.467	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36831	28.303	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36831	96.057	ug/l #	1
95) Naphthalene	13.780	128	1026	0.277	ug/l #	72

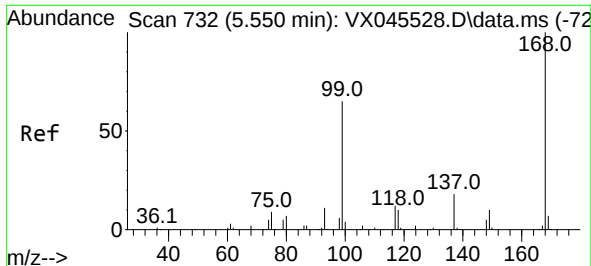
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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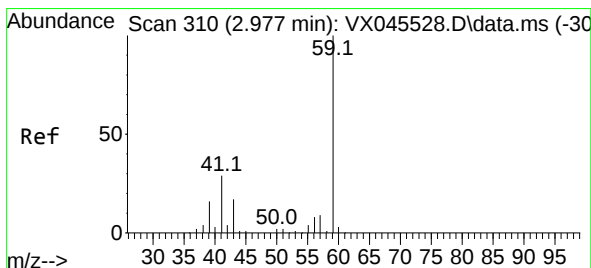
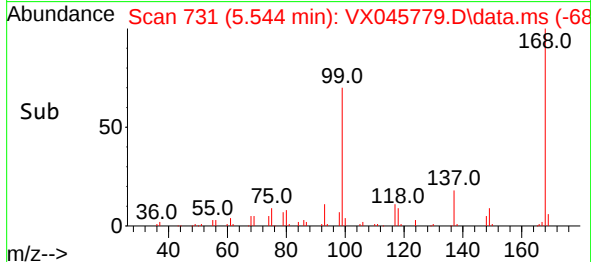
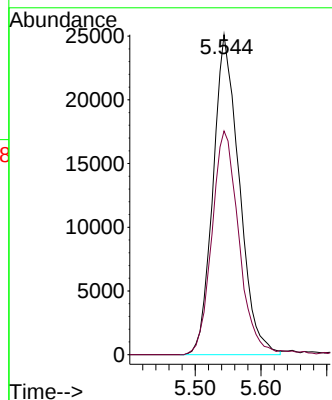
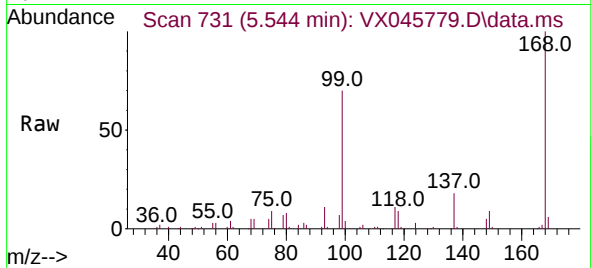




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

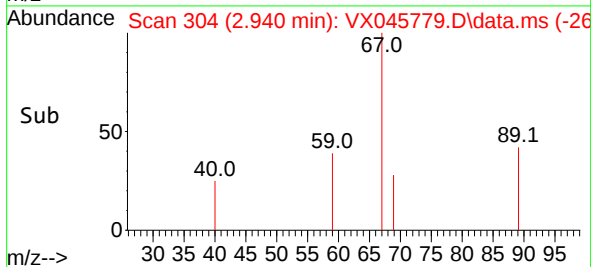
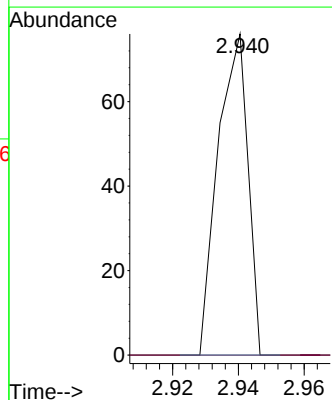
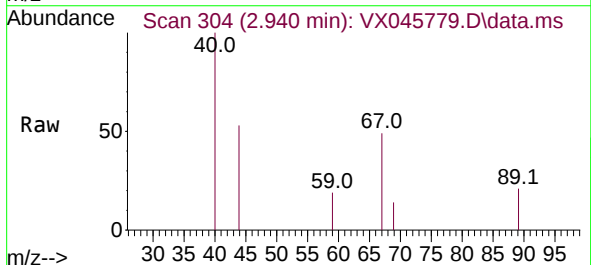
Instrument :
MSVOA_X
ClientSampleId :
WC-1

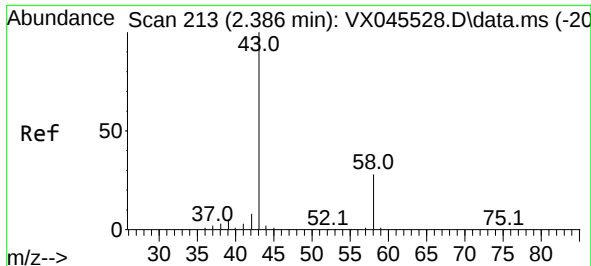
Tgt Ion:168 Resp: 69486
Ion Ratio Lower Upper
168 100
99 69.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.281 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

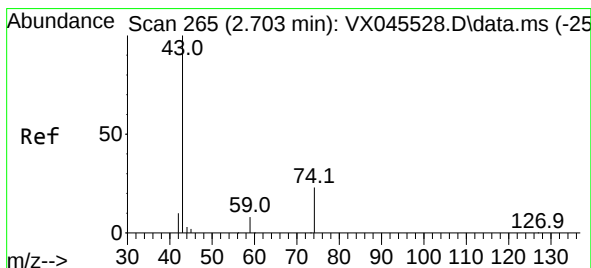
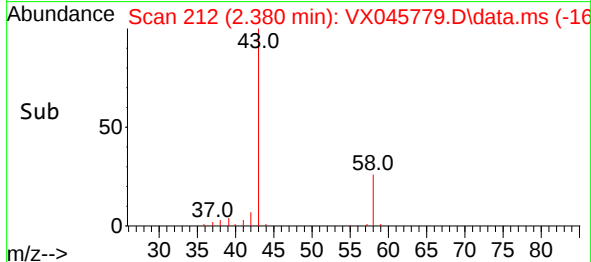
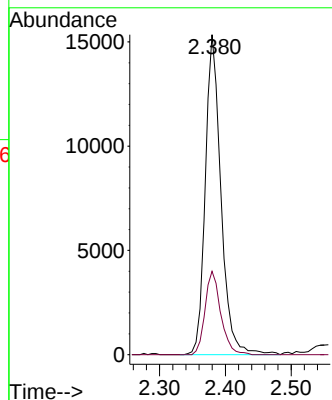
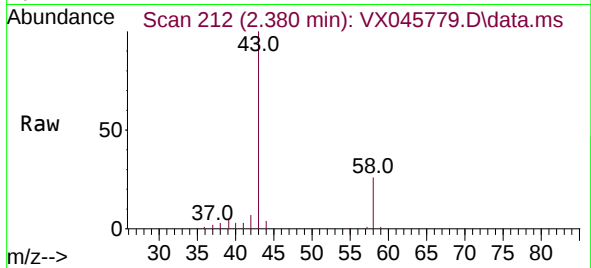




#16
Acetone
Concen: 48.738 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

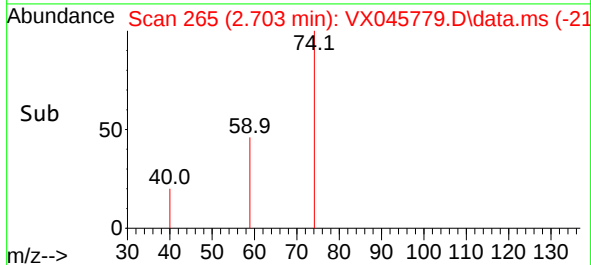
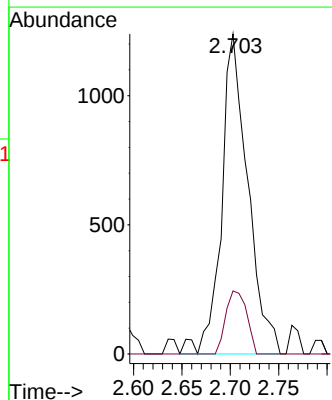
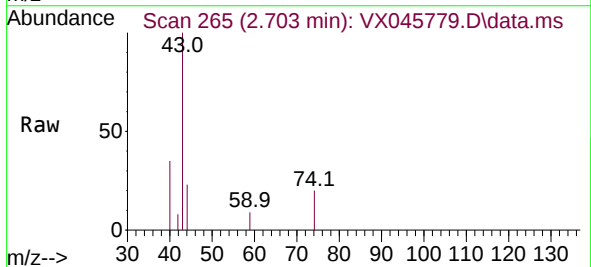
Instrument :
MSVOA_X
ClientSampleId :
WC-1

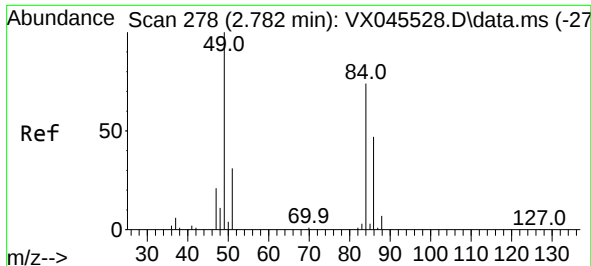
Tgt Ion: 43 Resp: 25431
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.948 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 43 Resp: 2340
Ion Ratio Lower Upper
43 100
74 15.6 17.5 26.3#

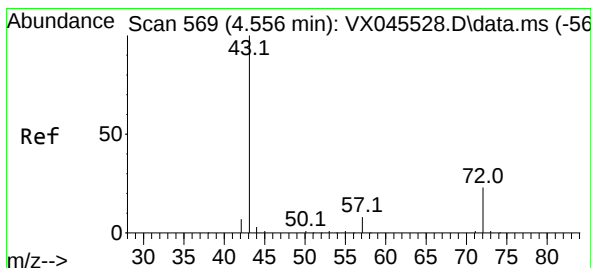
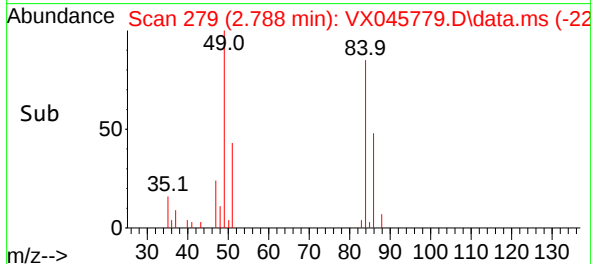
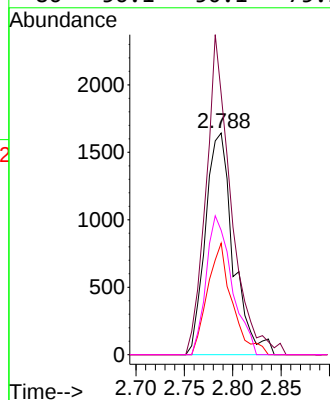
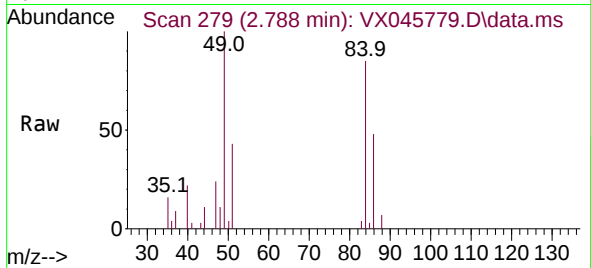




#20
Methylene Chloride
Concen: 3.367 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

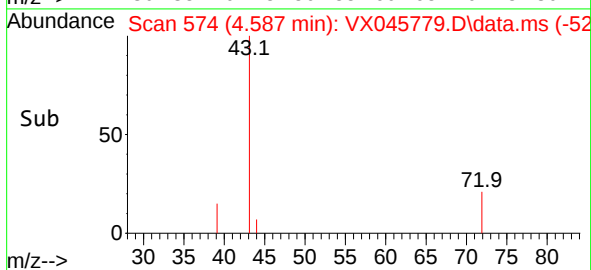
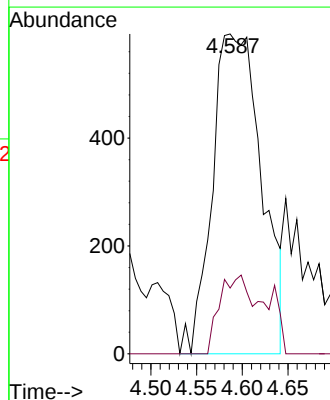
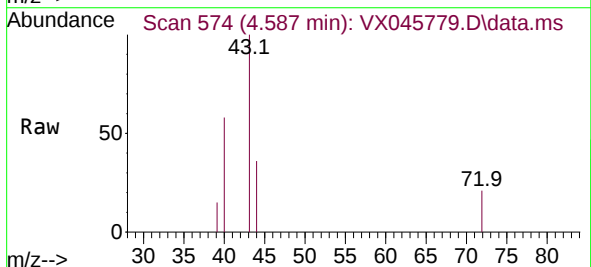
Instrument :
MSVOA_X
ClientSampleId :
WC-1

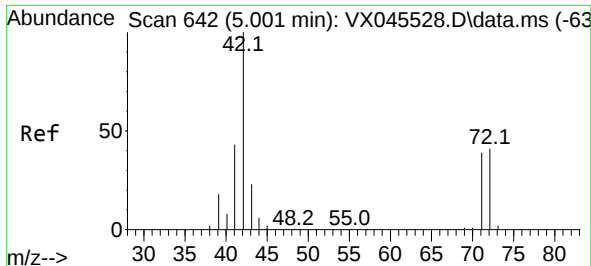
Tgt Ion:	84	Resp:	3289
Ion	Ratio	Lower	Upper
84	100		
49	117.8	107.5	161.3
51	50.3	33.0	49.6#
86	56.1	50.1	75.1



#25
2-Butanone
Concen: 2.916 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion:	43	Resp:	2227
Ion	Ratio	Lower	Upper
43	100		
72	20.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.584 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045779.D

Acq: 14 Apr 2025 19:26

Instrument :

MSVOA_X

ClientSampleId :

WC-1

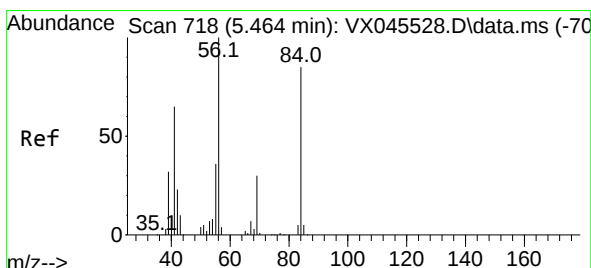
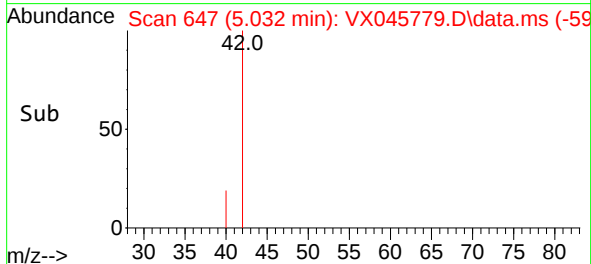
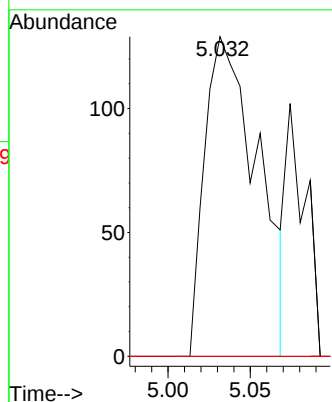
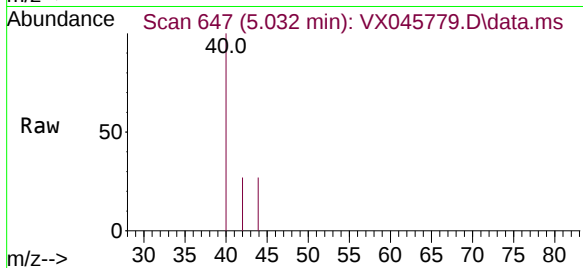
Tgt Ion: 42 Resp: 289

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045779.D

Acq: 14 Apr 2025 19:26

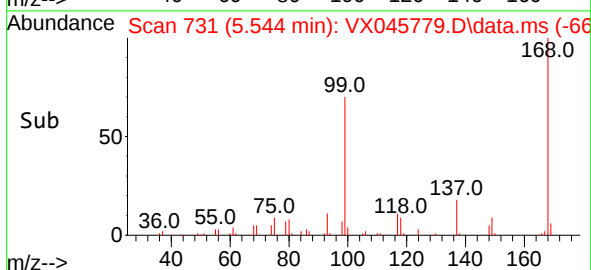
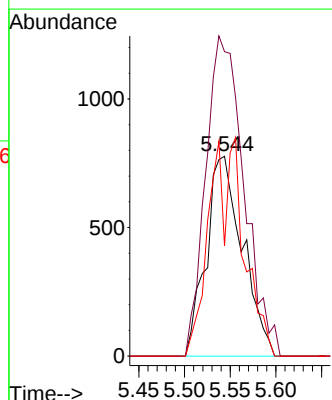
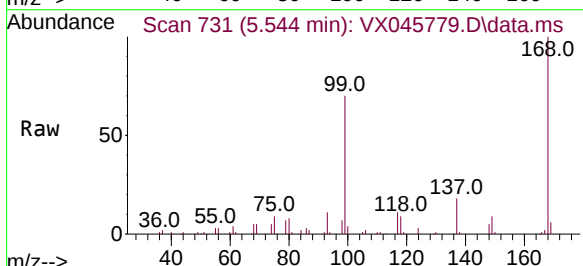
Tgt Ion: 56 Resp: 2151

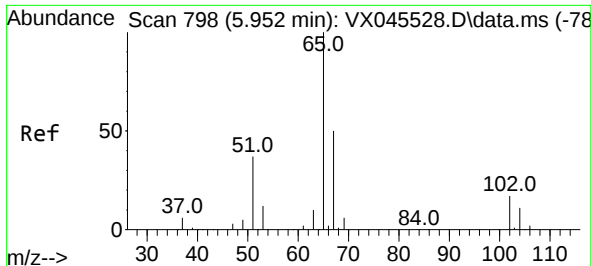
Ion Ratio Lower Upper

56 100

69 152.4 23.6 35.4#

84 55.2 67.7 101.5#

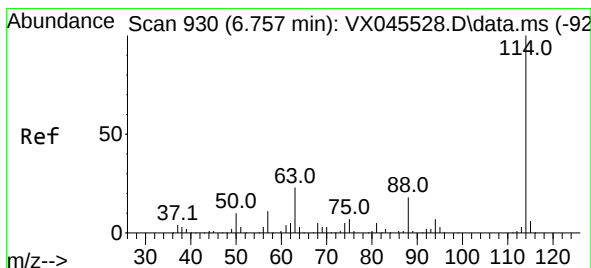
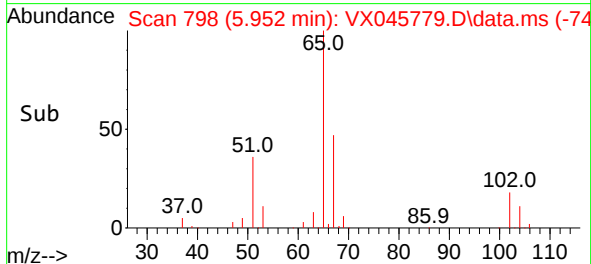
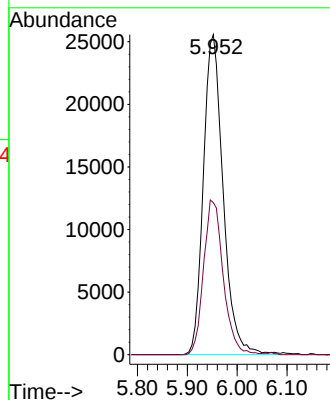
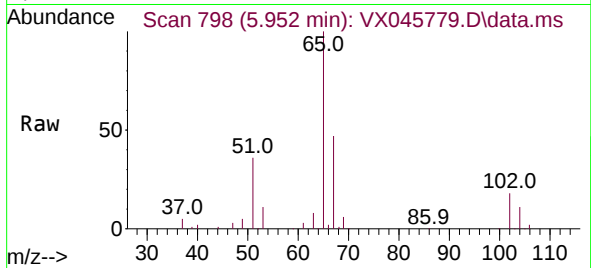




#33
 1,2-Dichloroethane-d4
 Concen: 55.405 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045779.D
 Acq: 14 Apr 2025 19:26

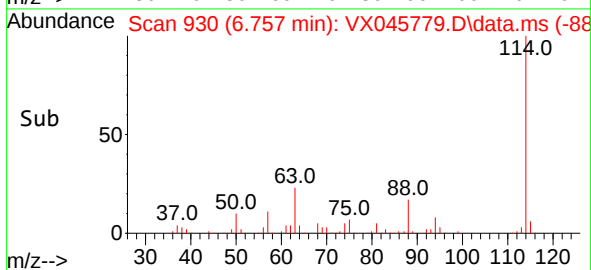
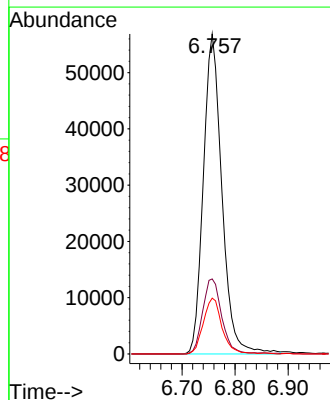
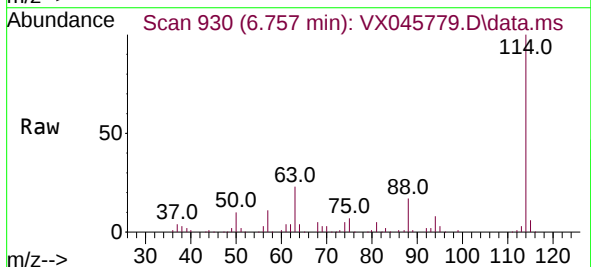
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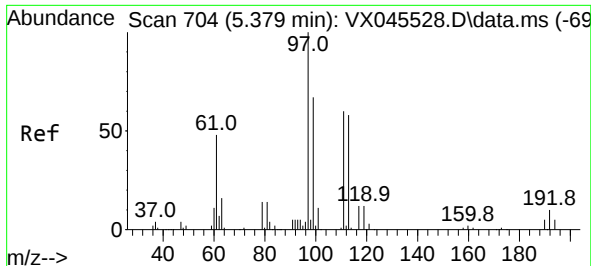
Tgt Ion: 65 Resp: 70404
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045779.D
 Acq: 14 Apr 2025 19:26

Tgt Ion: 114 Resp: 138197
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.8
 88 17.4 0.0 35.4

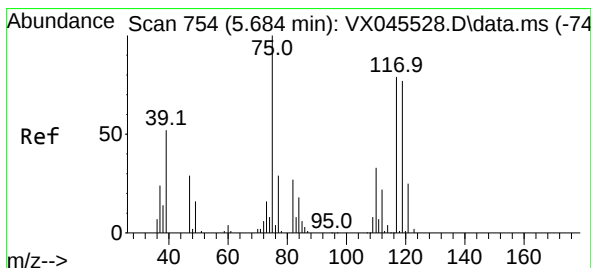
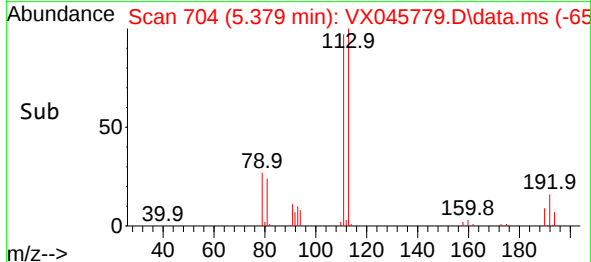
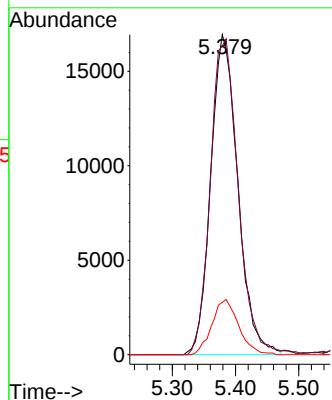
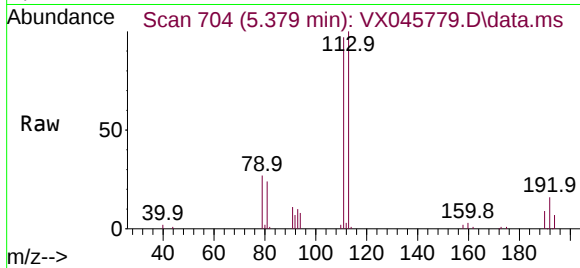




#35
Dibromofluoromethane
Concen: 51.282 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

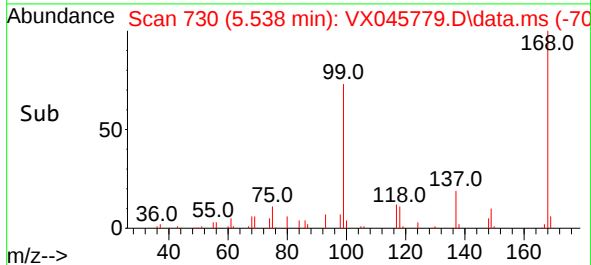
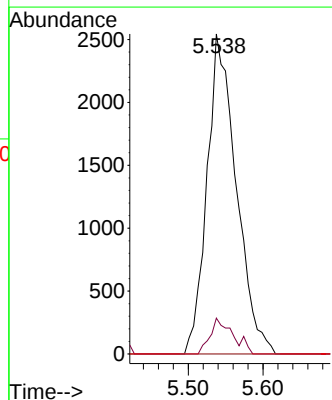
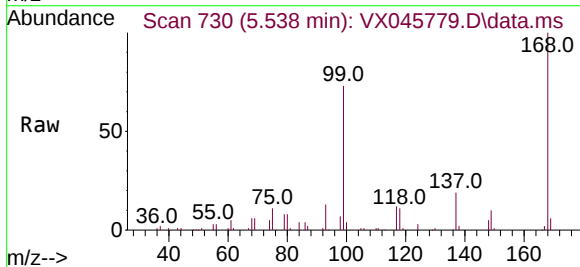
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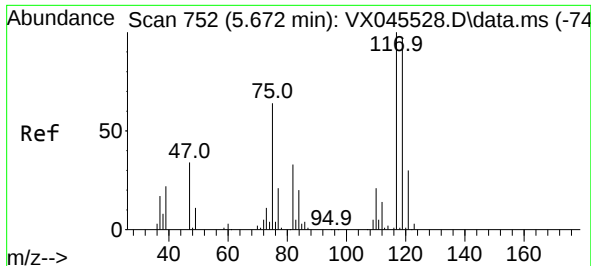
Tgt Ion:113 Resp: 50282
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.225 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

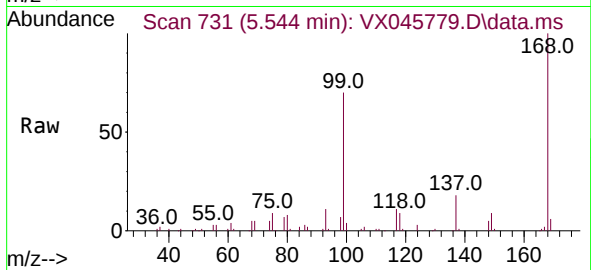
Tgt Ion: 75 Resp: 6917
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#



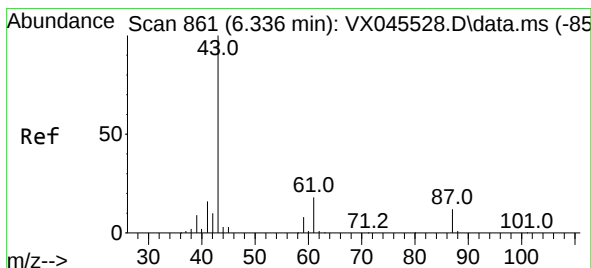
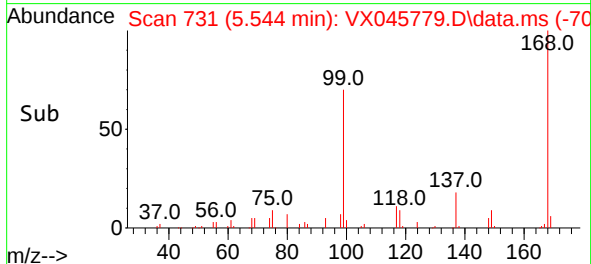
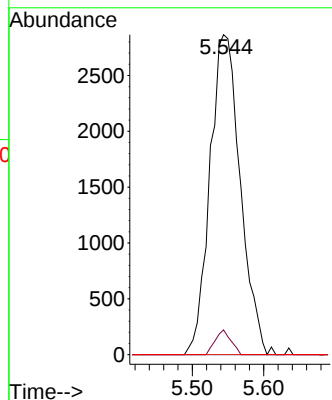


#38
Carbon Tetrachloride
Concen: 5.909 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Instrument :
MSVOA_X
ClientSampleId :
WC-1

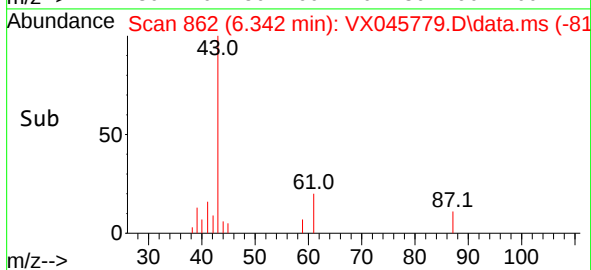
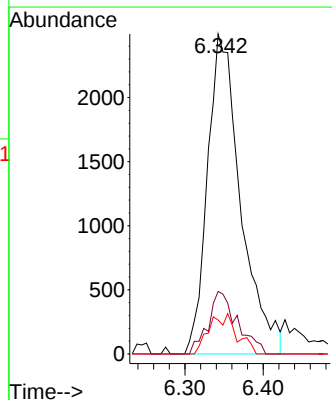
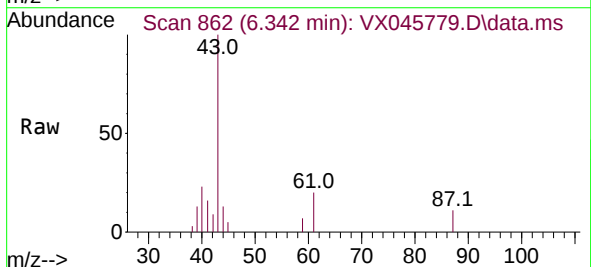


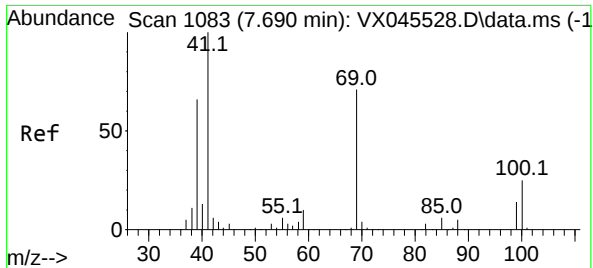
Tgt Ion:117 Resp: 8455
Ion Ratio Lower Upper
117 100
119 7.7 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.904 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 43 Resp: 7343
Ion Ratio Lower Upper
43 100
61 17.2 14.1 21.1
87 10.5 9.2 13.8

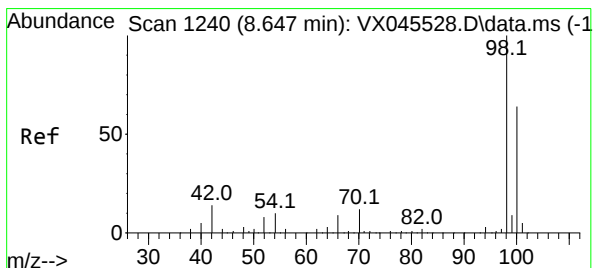
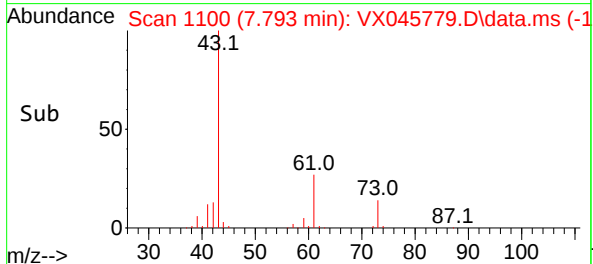
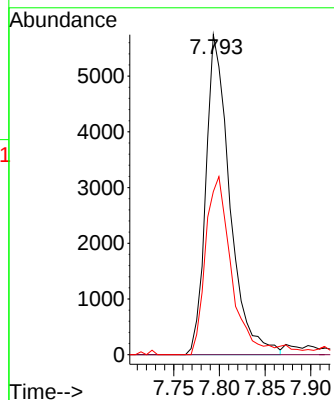
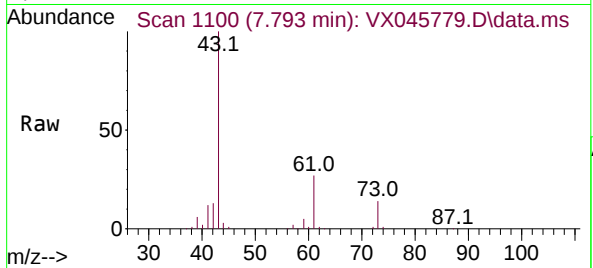




#48
Methyl methacrylate
Concen: 7.993 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

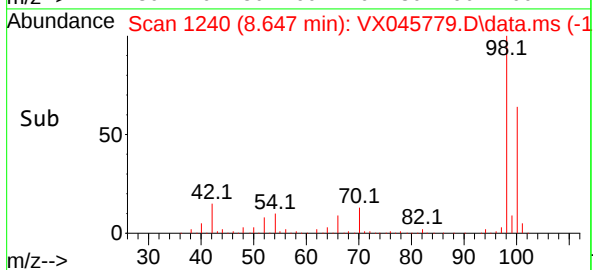
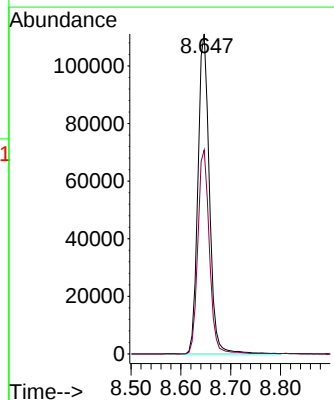
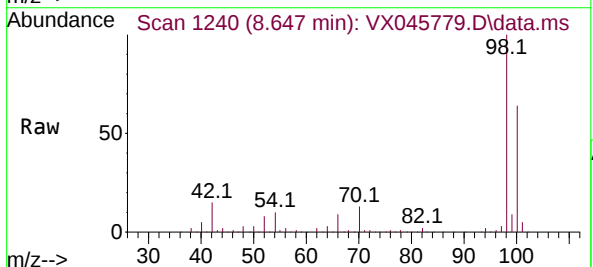
Instrument :
MSVOA_X
ClientSampleId :
WC-1

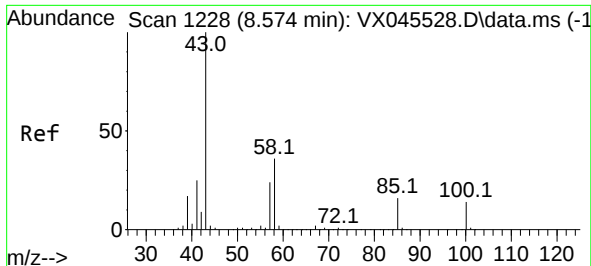
Tgt Ion: 41 Resp: 10436
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.9 53.6 80.4



#50
Toluene-d8
Concen: 51.752 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 98 Resp: 177114
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4

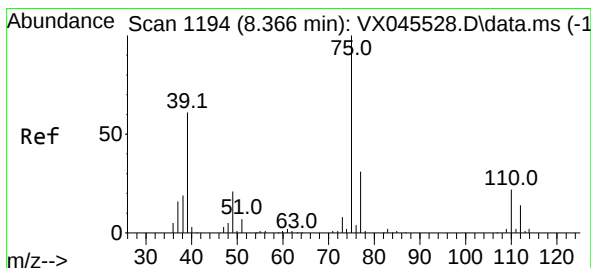
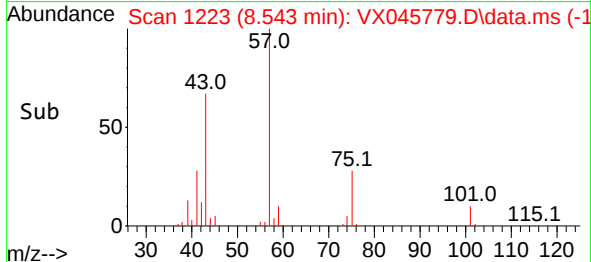
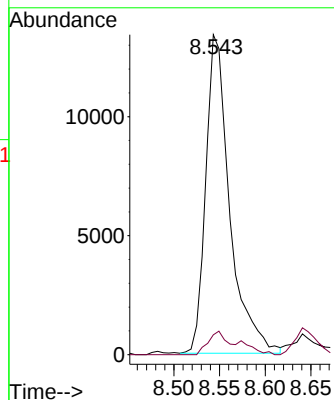
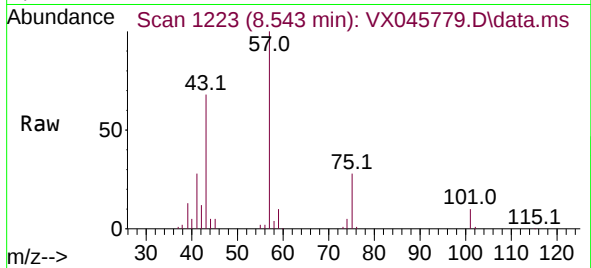




#51
4-Methyl-2-Pentanone
Concen: 14.536 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

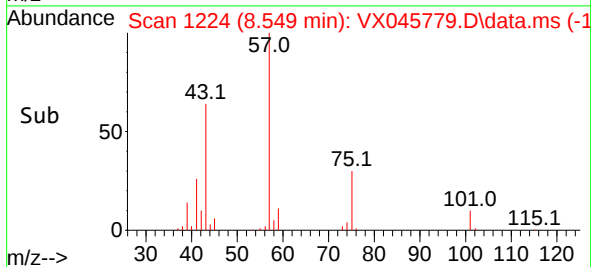
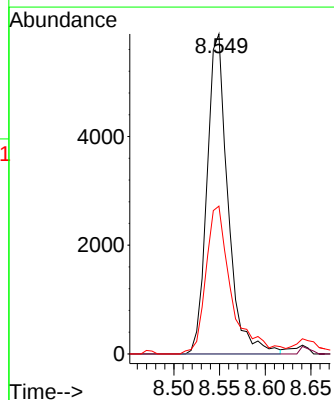
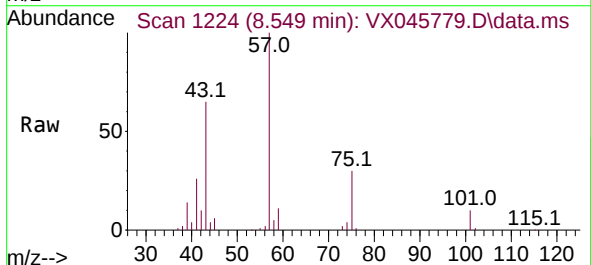
Instrument :
MSVOA_X
ClientSampleId :
WC-1

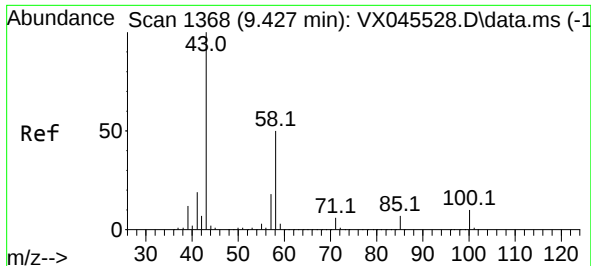
Tgt Ion: 43 Resp: 24366
Ion Ratio Lower Upper
43 100
58 6.1 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 6.435 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 75 Resp: 9353
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 46.2 48.4 72.6#

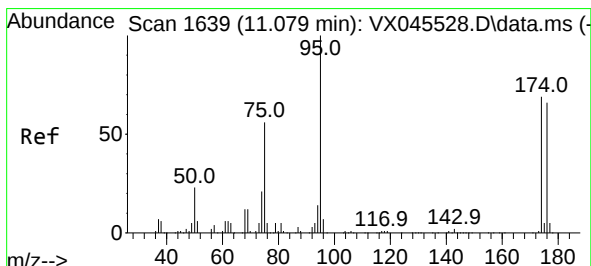
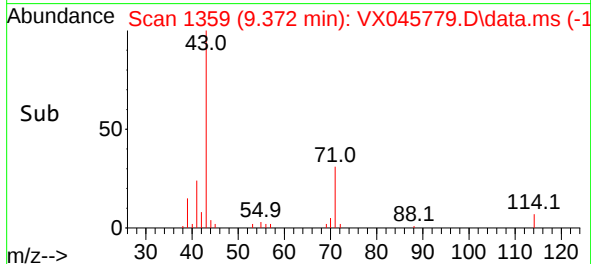
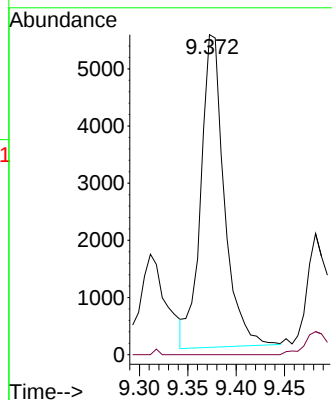
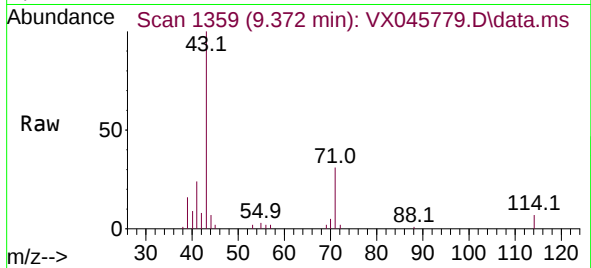




#59
2-Hexanone
Concen: 7.467 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

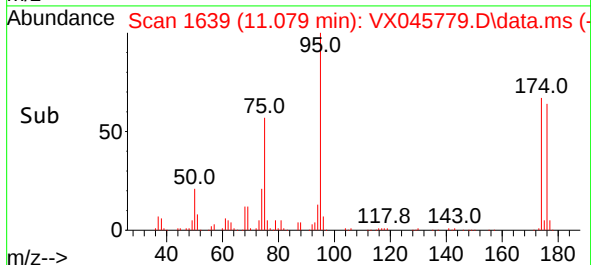
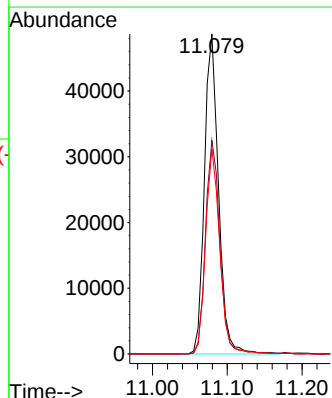
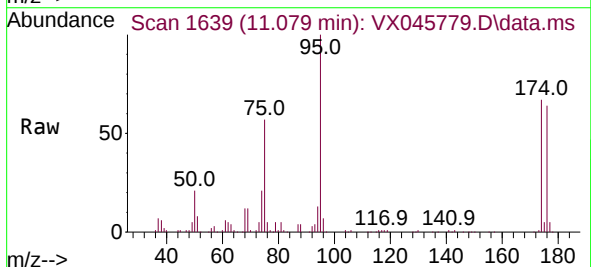
Instrument :
MSVOA_X
ClientSampleId :
WC-1

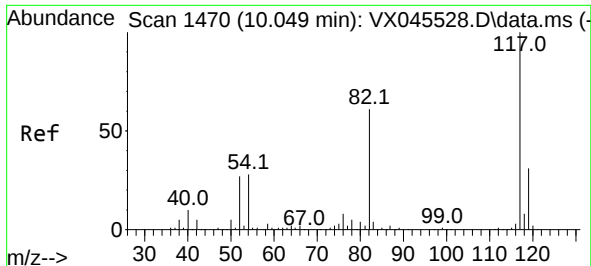
Tgt Ion: 43 Resp: 9269
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 95 Resp: 63884
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 64.5 0.0 131.4

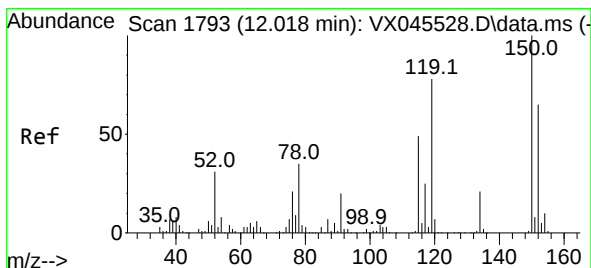
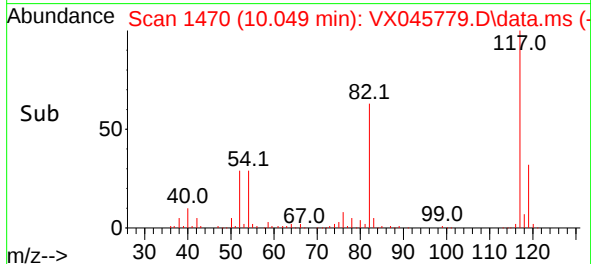
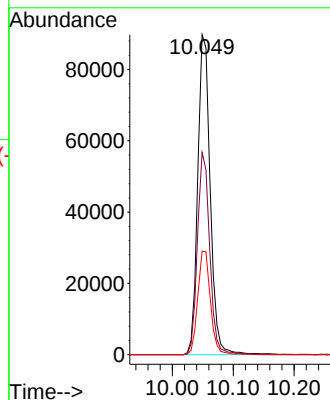
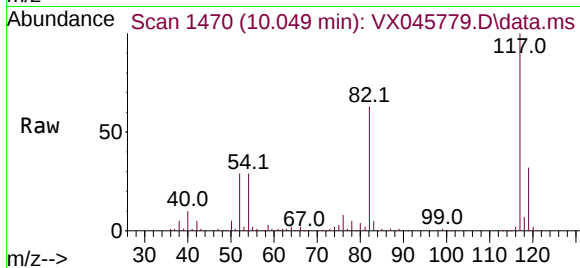




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

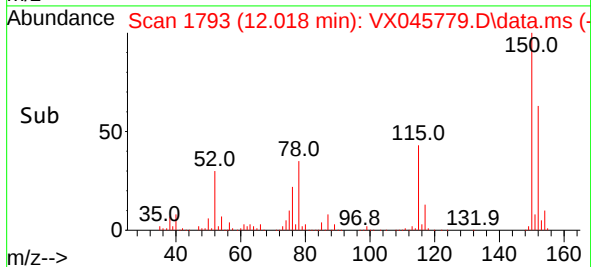
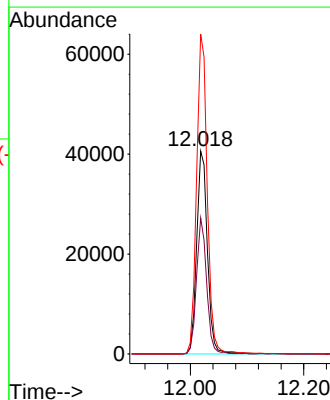
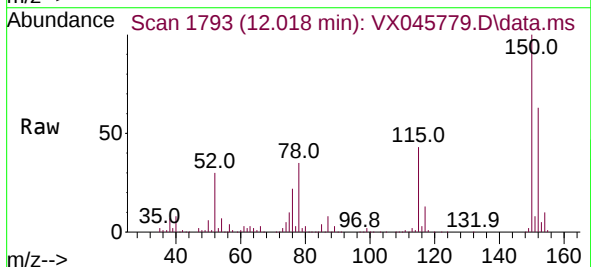
Instrument :
MSVOA_X
ClientSampleId :
WC-1

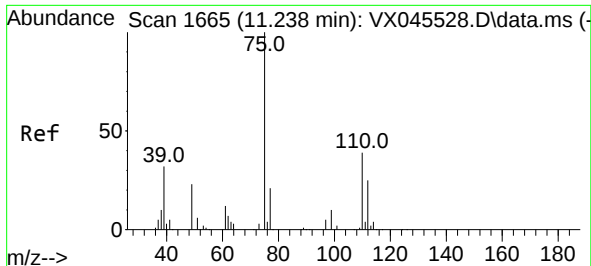
Tgt Ion:117 Resp: 127892
Ion Ratio Lower Upper
117 100
82 63.2 49.2 73.8
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion:152 Resp: 53349
Ion Ratio Lower Upper
152 100
115 63.5 46.9 140.7
150 157.4 0.0 349.4

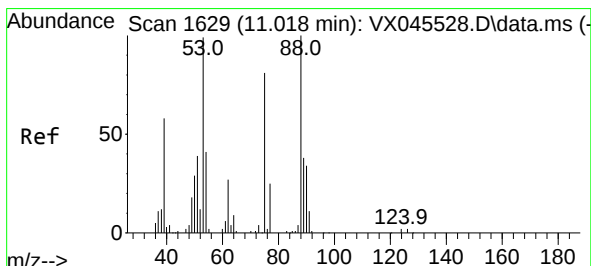
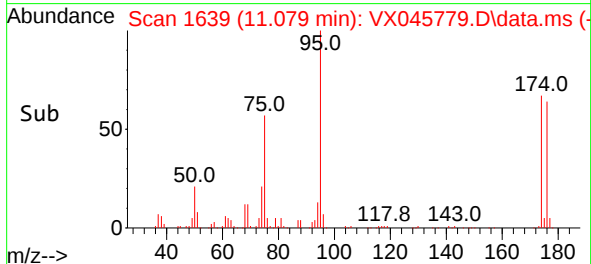
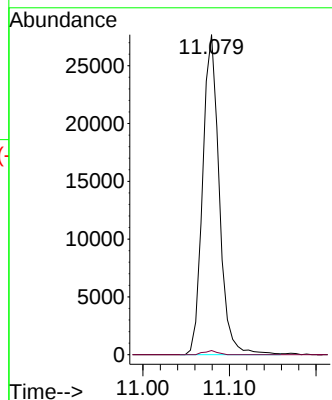
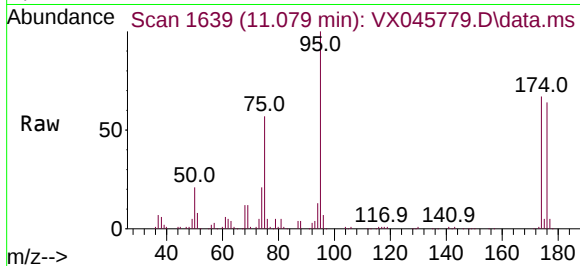




#76
1,2,3-Trichloropropane
Concen: 28.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

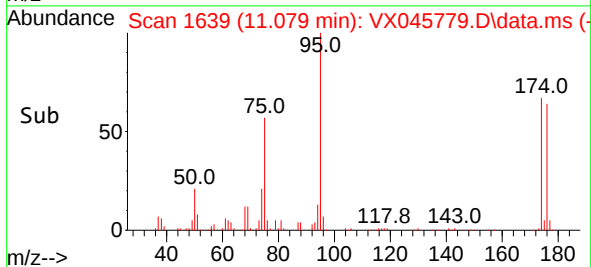
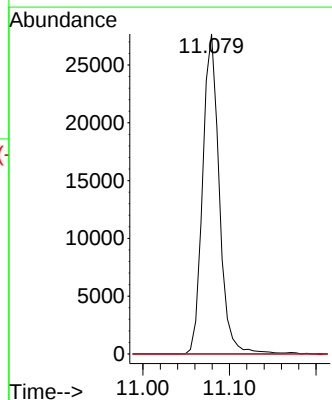
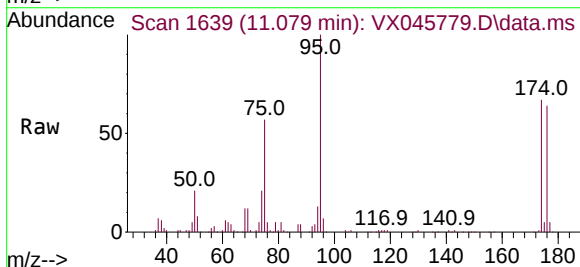
Instrument :
MSVOA_X
ClientSampleId :
WC-1

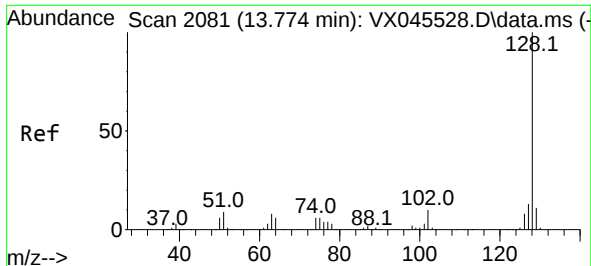
Tgt Ion: 75 Resp: 36831
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045779.D
Acq: 14 Apr 2025 19:26

Tgt Ion: 75 Resp: 36831
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.277 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045779.D

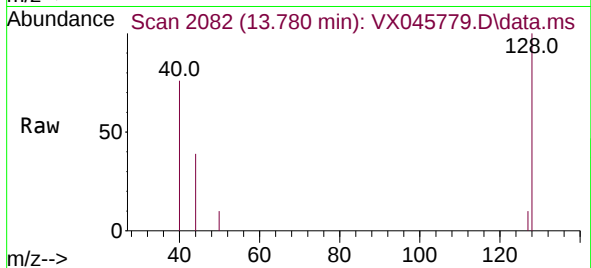
Acq: 14 Apr 2025 19:26

Instrument :

MSVOA_X

ClientSampleId :

WC-1



Tgt Ion:128 Resp: 1026

Ion Ratio Lower Upper

128 100

127 2.0 10.3 15.5#

129 0.0 8.6 12.8#

