

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010725\
 Data File : VX044608.D
 Acq On : 07 Jan 2025 17:42
 Operator : JC/MD
 Sample : Q1004-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-190A-GW-778-780

Quant Time: Jan 09 03:33:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 08 03:57:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

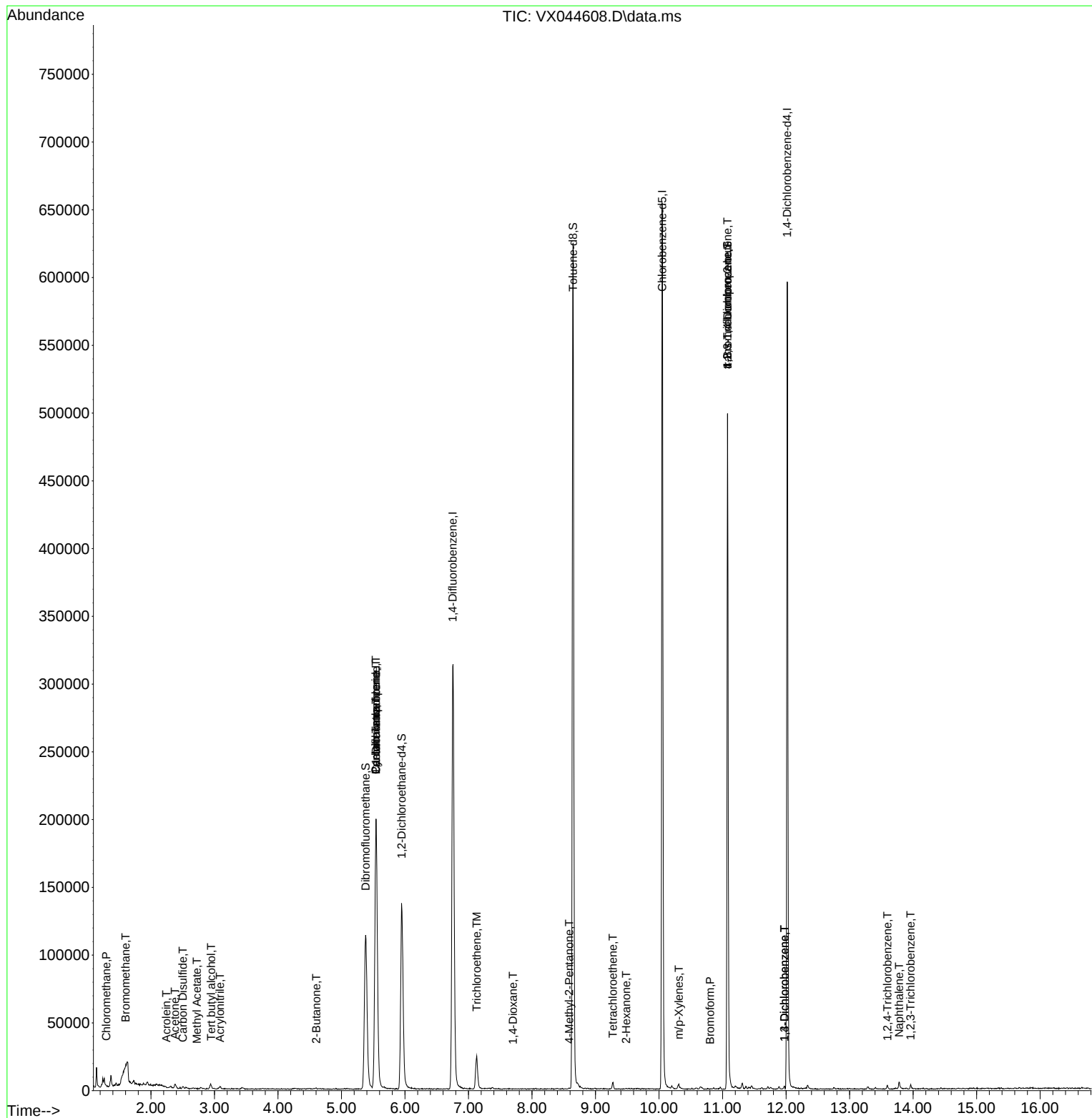
Internal Standards						
1) Pentafluorobenzene	5.544	168	172015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	313643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	283361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	138153	49.811	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.620%		
35) Dibromofluoromethane	5.379	113	100812	46.874	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.740%		
50) Toluene-d8	8.647	98	371289	50.541	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.080%		
62) 4-Bromofluorobenzene	11.079	95	130449	50.309	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.620%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	696	0.281	ug/l #	77
5) Bromomethane	1.599	94	338	0.280	ug/l #	31
11) Tert butyl alcohol	2.947	59	1860	5.446	ug/l #	72
13) Acrolein	2.239	56	208	0.461	ug/l	90
15) Acrylonitrile	3.087	53	469	0.477	ug/l #	81
16) Acetone	2.380	43	3556	4.068	ug/l	94
17) Carbon Disulfide	2.502	76	2006	0.504	ug/l #	75
18) Methyl Acetate	2.721	43	521	0.202	ug/l #	64
25) 2-Butanone	4.605	43	554	0.439	ug/l #	50
31) Cyclohexane	5.544	56	4589	1.458	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	15556	5.594	ug/l #	50
38) Carbon Tetrachloride	5.544	117	19734	6.396	ug/l #	17
44) Trichloroethene	7.129	130	9851	4.401	ug/l	92
49) 1,4-Dioxane	7.702	88	93	2.827	ug/l #	1
51) 4-Methyl-2-Pentanone	8.586	43	594	0.217	ug/l #	87
59) 2-Hexanone	9.482	43	399	0.206	ug/l #	27
64) Tetrachloroethene	9.275	164	432	0.216	ug/l #	80
68) m/p-Xylenes	10.311	106	967	0.255	ug/l	85
71) Bromoform	10.805	173	130	0.709	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	73016	31.264	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	73016	95.166	ug/l #	4
87) 1,3-Dichlorobenzene	11.975	146	795	0.210	ug/l	91
88) 1,4-Dichlorobenzene	11.975	146	795	0.201	ug/l	90
93) 1,2,4-Trichlorobenzene	13.597	180	842	0.374	ug/l	69
95) Naphthalene	13.780	128	4773	0.657	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1172	0.509	ug/l	80

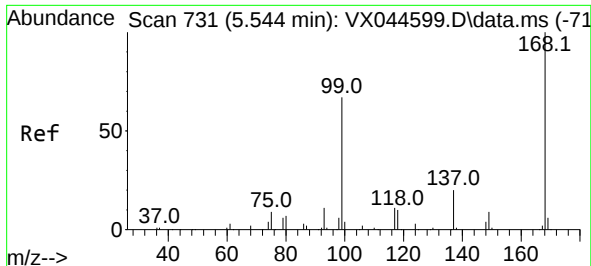
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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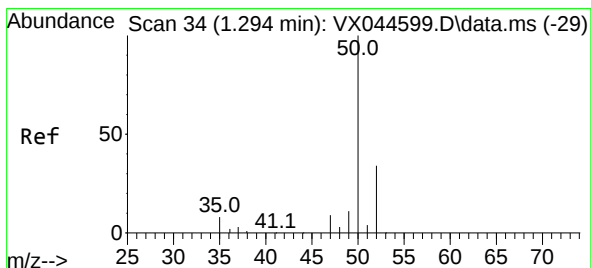
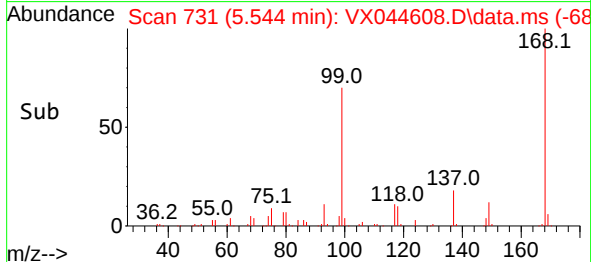
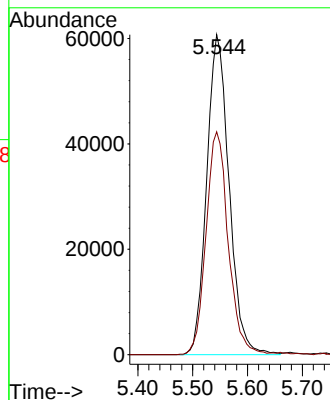
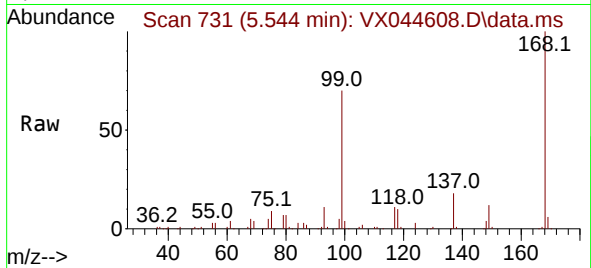




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

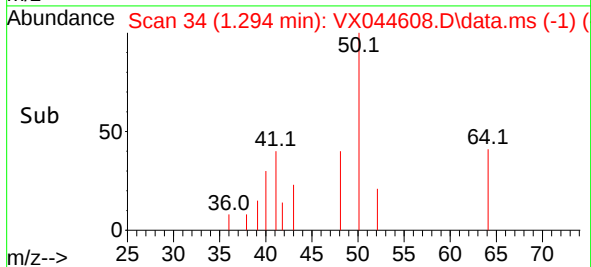
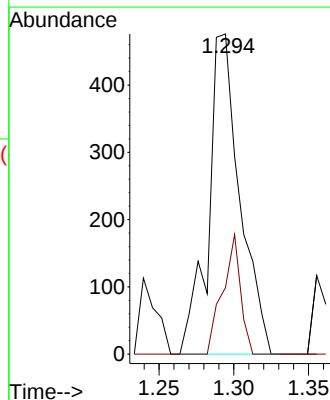
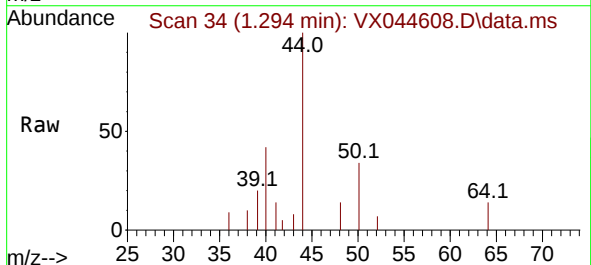
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

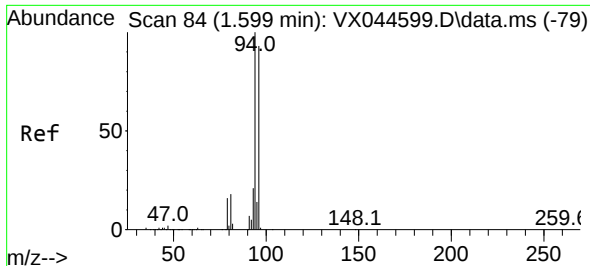
Tgt Ion:168 Resp: 172015
Ion Ratio Lower Upper
168 100
99 69.5 53.5 80.3



#3
Chloromethane
Concen: 0.281 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 50 Resp: 696
Ion Ratio Lower Upper
50 100
52 20.8 27.0 40.4#

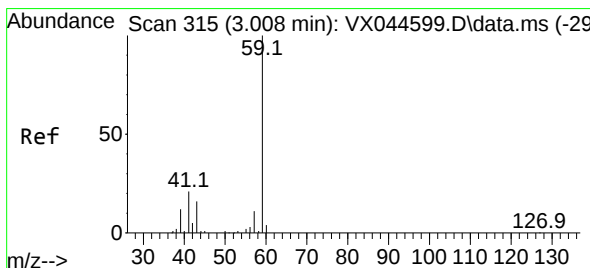
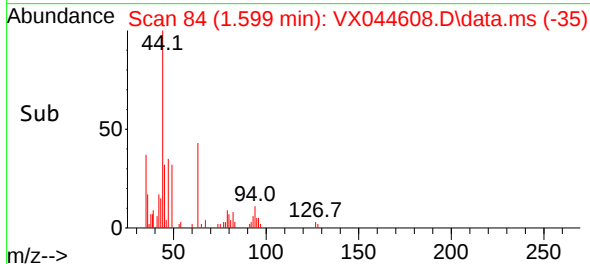
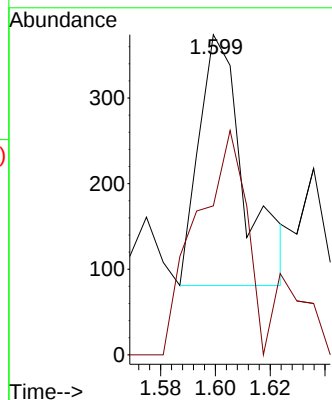
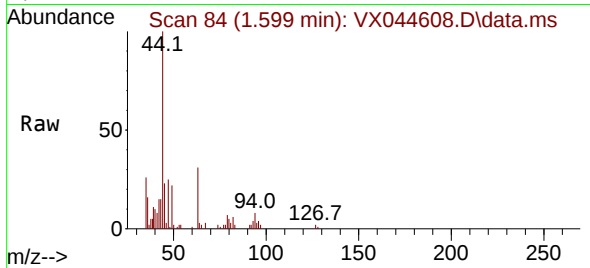




#5
 Bromomethane
 Concen: 0.280 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX044608.D
 Acq: 07 Jan 2025 17:42

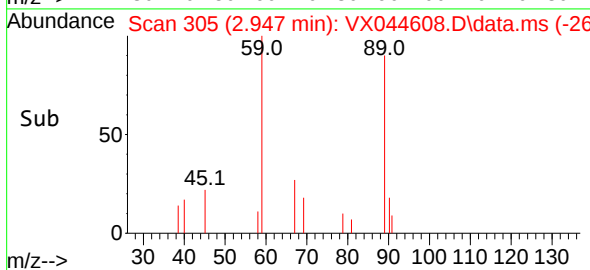
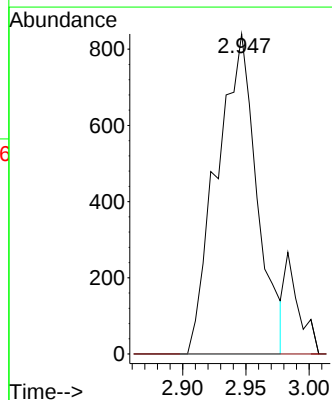
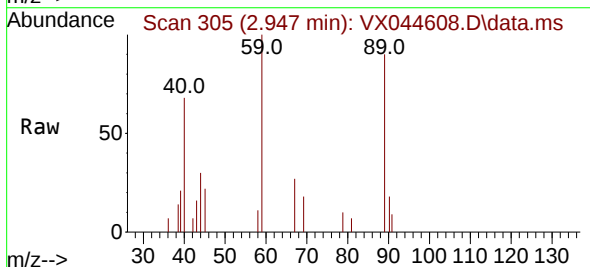
Instrument :
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 ClientSampleId :
 BP-VPB-190A-GW-778-780

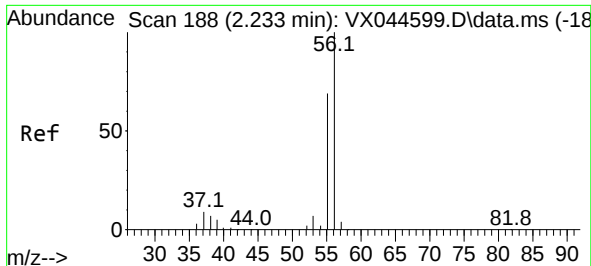
Tgt Ion: 94 Resp: 338
 Ion Ratio Lower Upper
 94 100
 96 27.0 74.6 112.0#



#11
 Tert butyl alcohol
 Concen: 5.446 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.061 min
 Lab File: VX044608.D
 Acq: 07 Jan 2025 17:42

Tgt Ion: 59 Resp: 1860
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

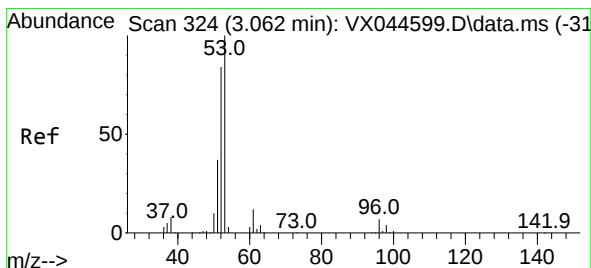
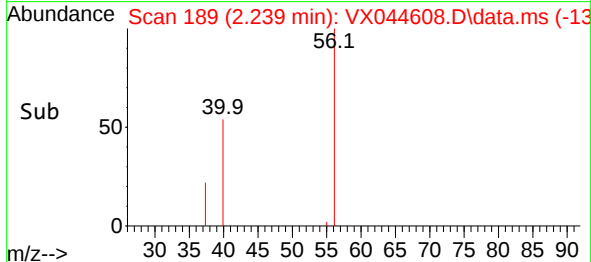
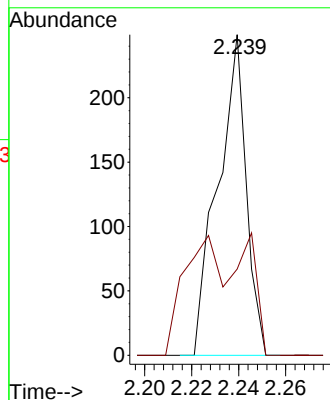
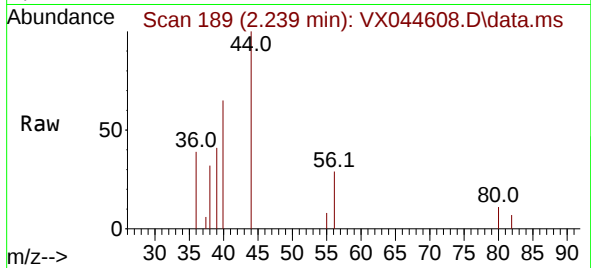




#13
Acrolein
Concen: 0.461 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

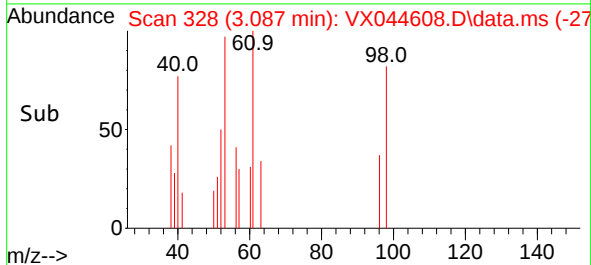
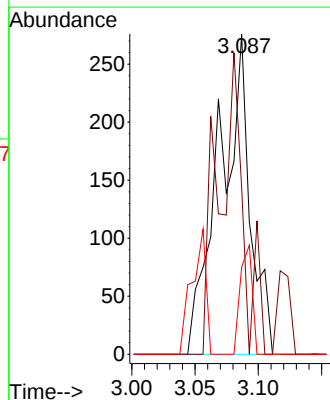
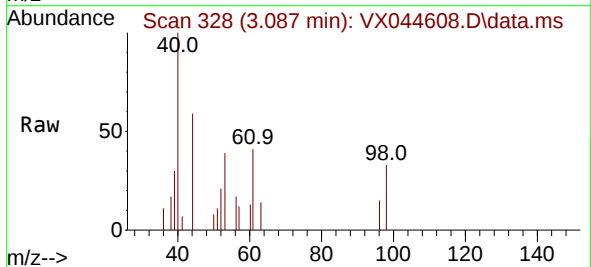
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

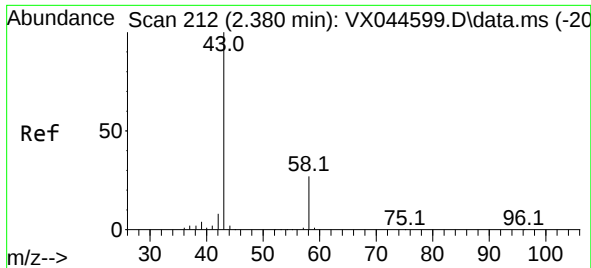
Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 78.4 55.8 83.8



#15
Acrylonitrile
Concen: 0.477 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.024 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 53 Resp: 469
Ion Ratio Lower Upper
53 100
52 75.3 67.0 100.6
51 13.2 29.4 44.0#

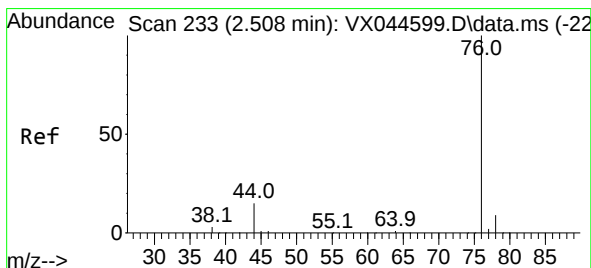
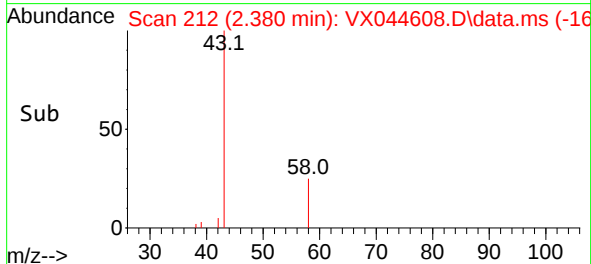
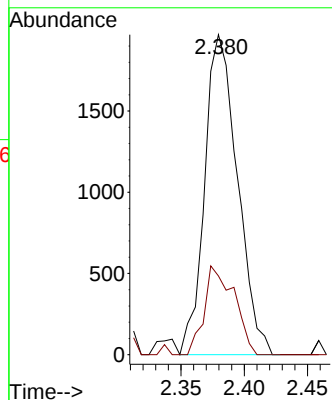
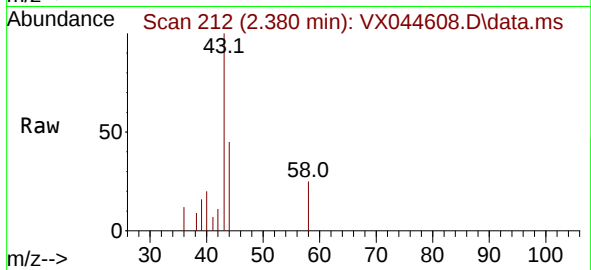




#16
Acetone
Concen: 4.068 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

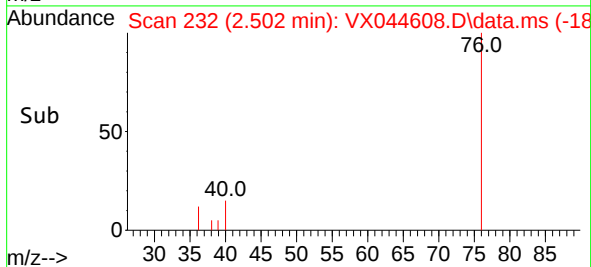
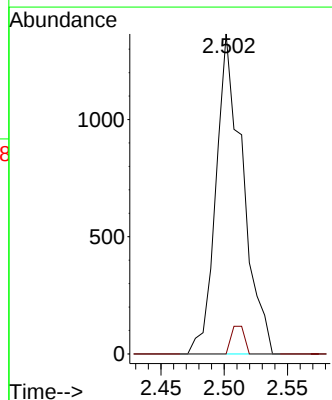
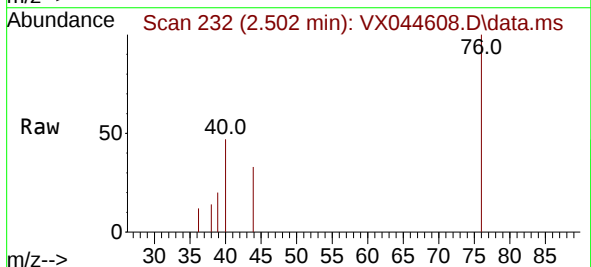
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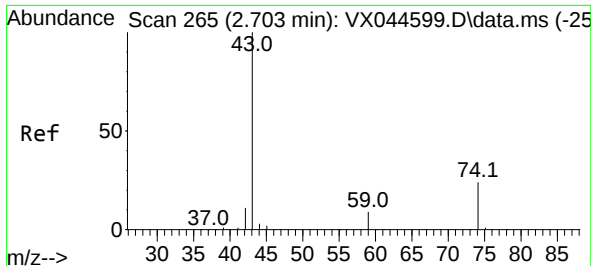
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
58 24.6 22.0 33.0



#17
Carbon Disulfide
Concen: 0.504 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 76 Resp: 2006
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 0.202 ug/l

RT: 2.721 min Scan# 2

Delta R.T. 0.018 min

Lab File: VX044608.D

Acq: 07 Jan 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

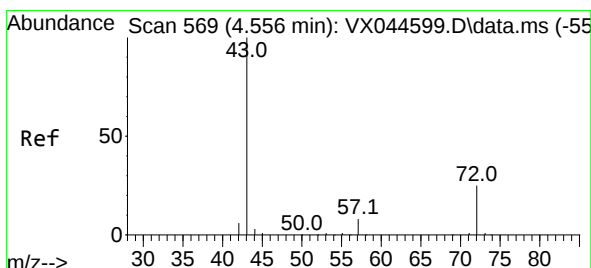
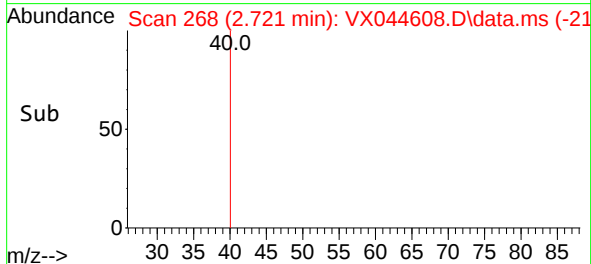
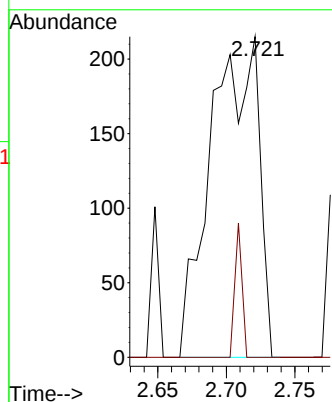
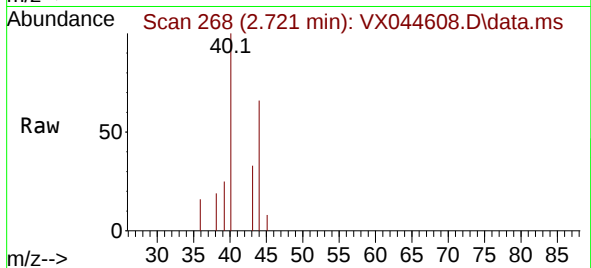
BP-VPB-190A-GW-778-780

Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

74 6.3 19.3 28.9#



#25

2-Butanone

Concen: 0.439 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.049 min

Lab File: VX044608.D

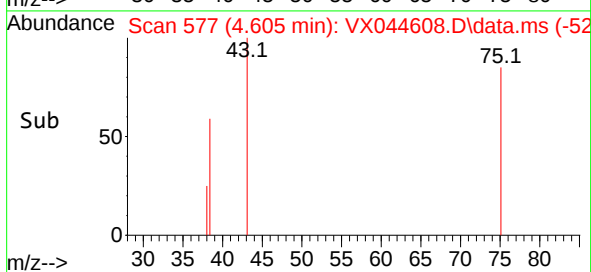
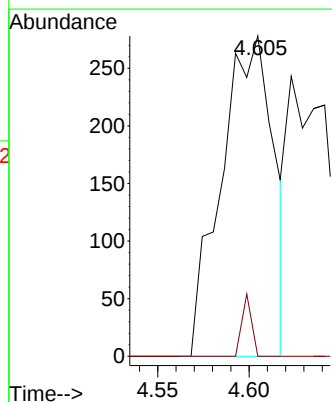
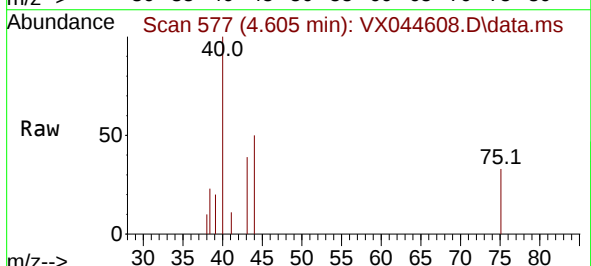
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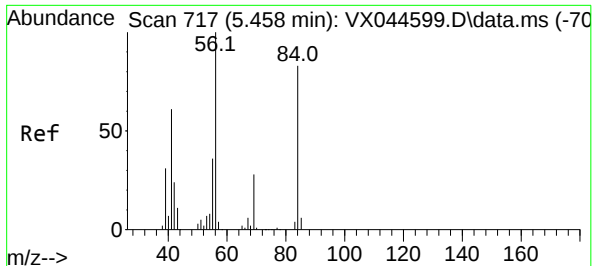
Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

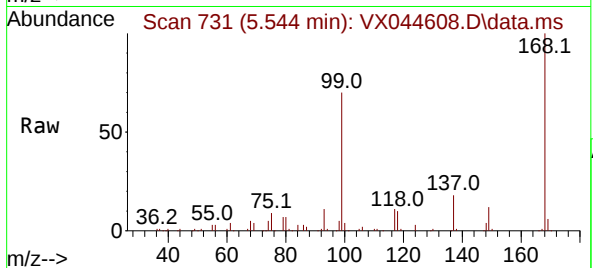
72 0.0 20.2 30.2#



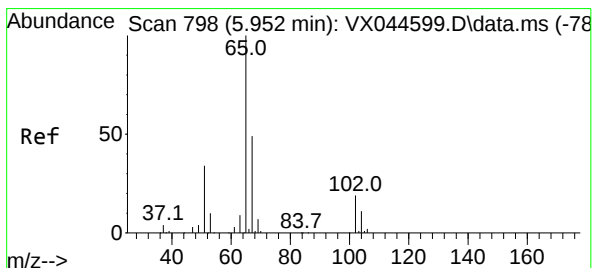
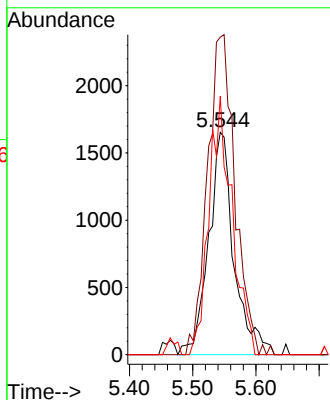
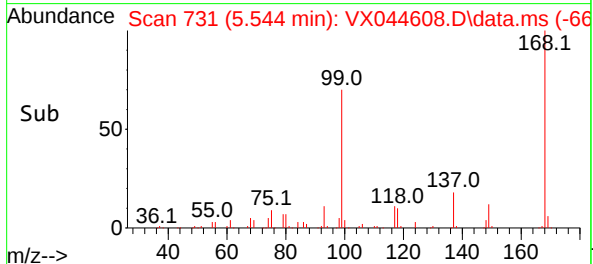


#31
Cyclohexane
Concen: 1.458 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

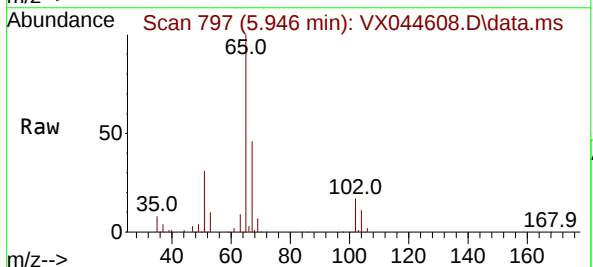
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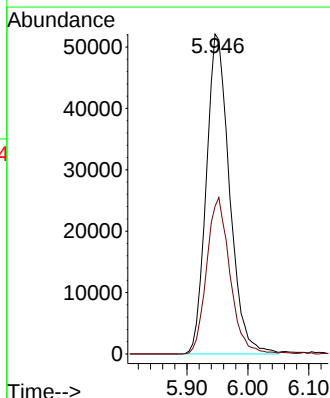
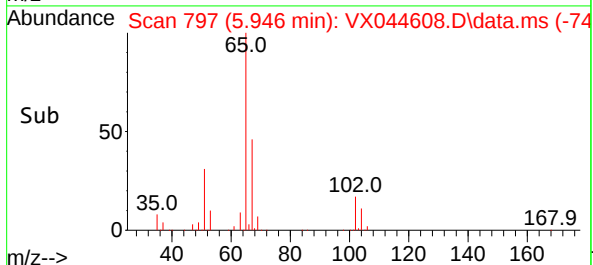
Tgt Ion: 56 Resp: 4589
Ion Ratio Lower Upper
56 100
69 142.8 22.2 33.4#
84 116.2 66.6 100.0#

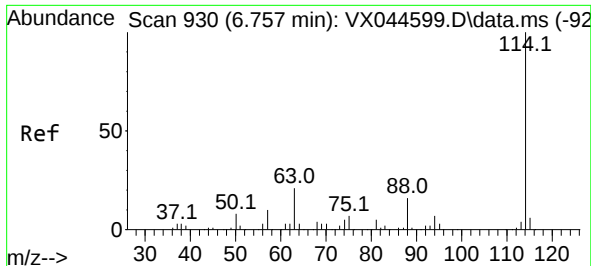


#33
1,2-Dichloroethane-d4
Concen: 49.811 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42



Tgt Ion: 65 Resp: 138153
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

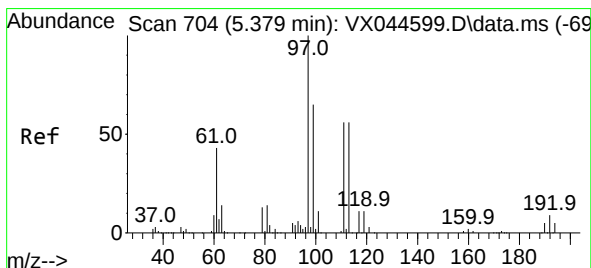
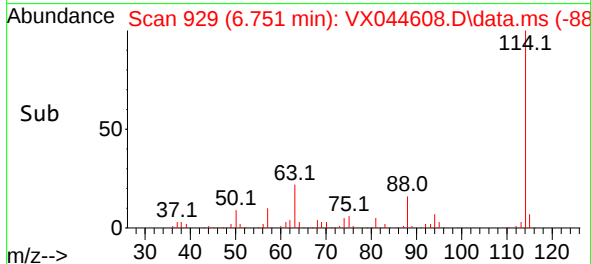
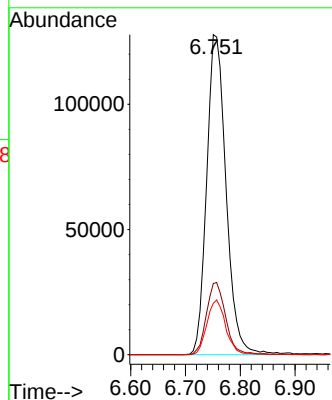
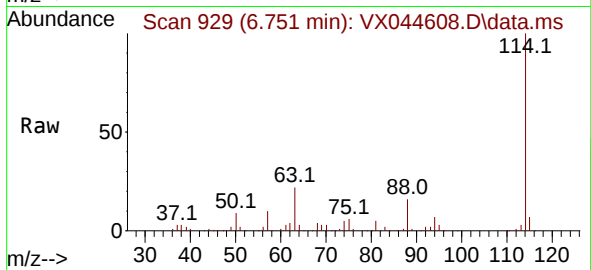




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

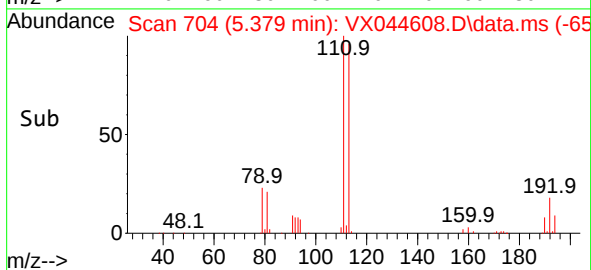
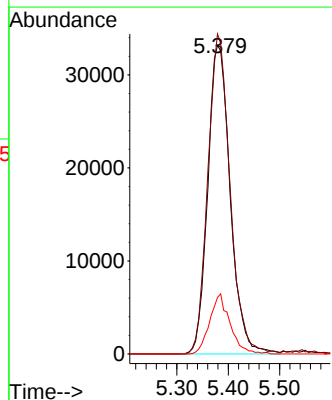
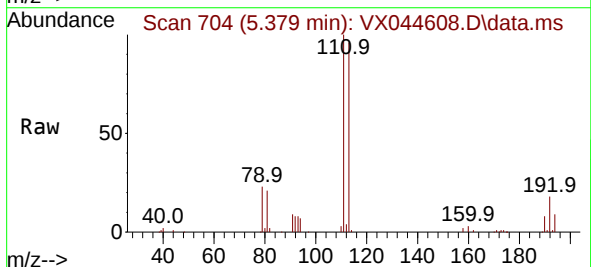
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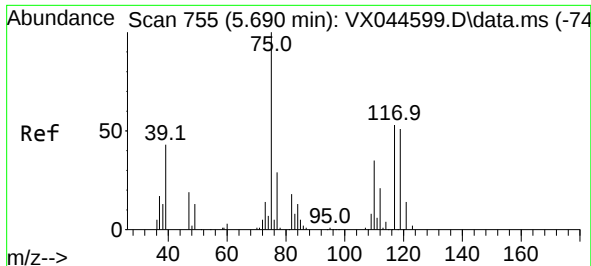
Tgt Ion:114 Resp: 313643
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.6
88 16.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.874 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion:113 Resp: 100812
Ion Ratio Lower Upper
113 100
111 102.4 83.3 124.9
192 17.6 14.3 21.5

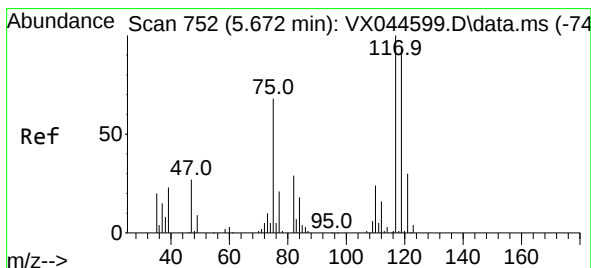
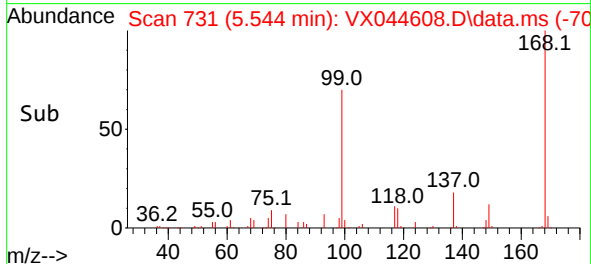
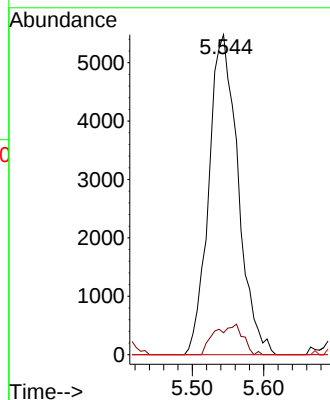
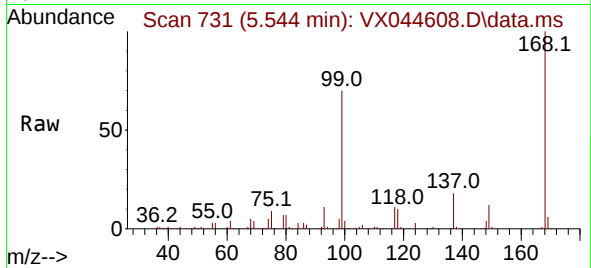




#36
1,1-Dichloropropene
Concen: 5.594 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

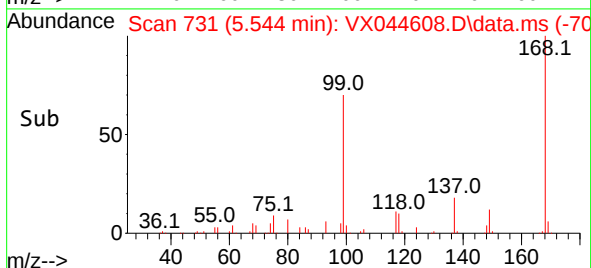
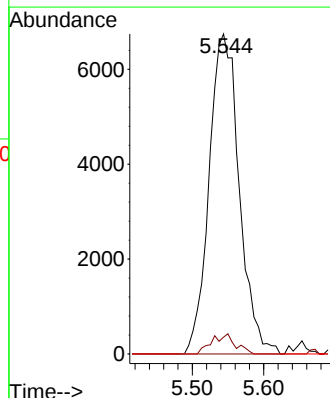
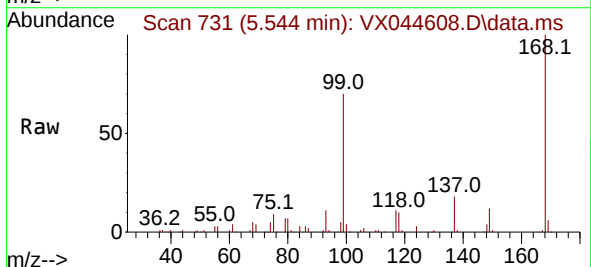
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

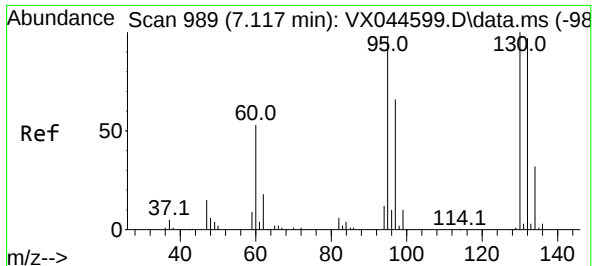
Tgt Ion: 75 Resp: 15556
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 117 Resp: 19734
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.1 36.1#

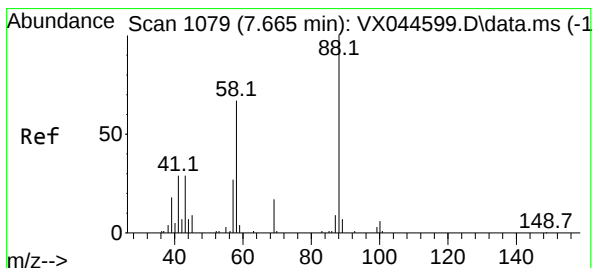
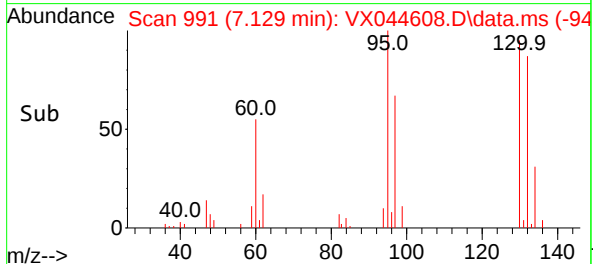
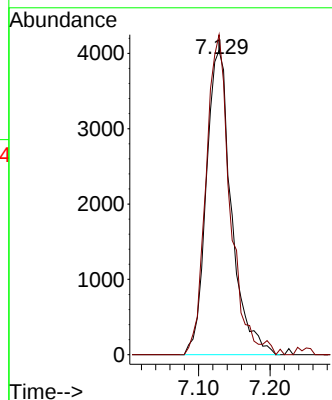
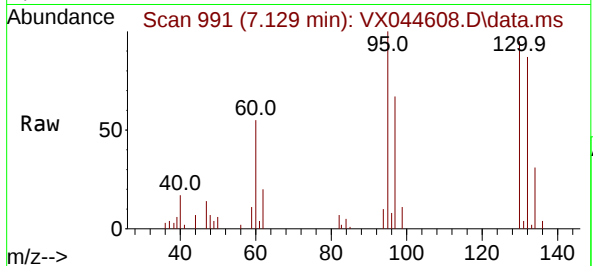




#44
Trichloroethene
Concen: 4.401 ug/l
RT: 7.129 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

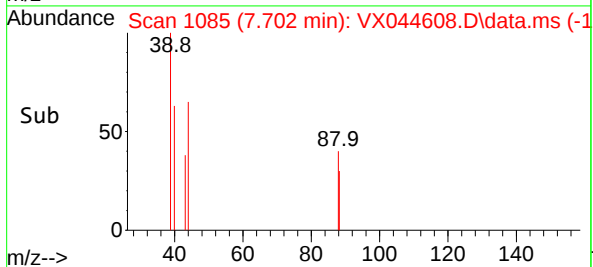
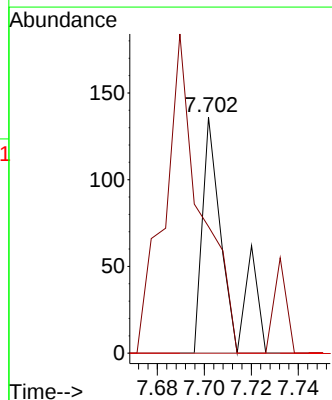
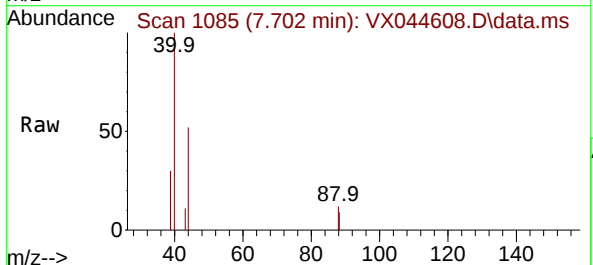
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

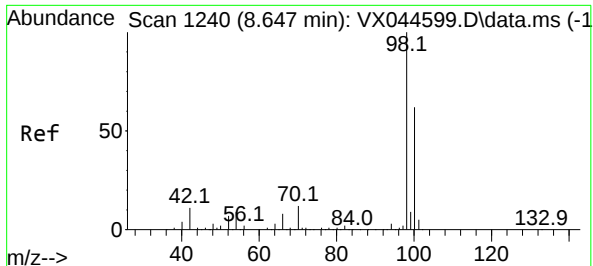
Tgt Ion:130 Resp: 9851
Ion Ratio Lower Upper
130 100
95 105.2 0.0 195.6



#49
1,4-Dioxane
Concen: 2.827 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.037 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 212.9 29.5 44.3#
58 0.0 56.3 84.5#

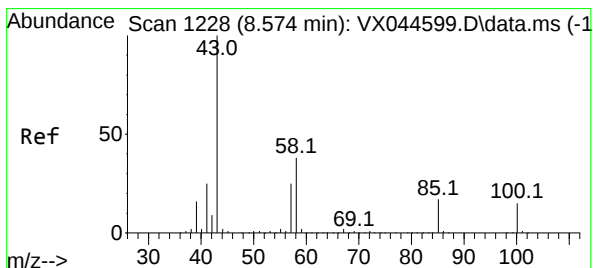
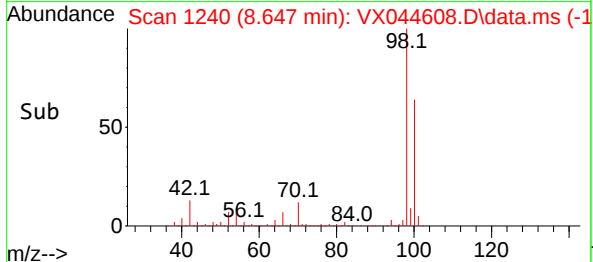
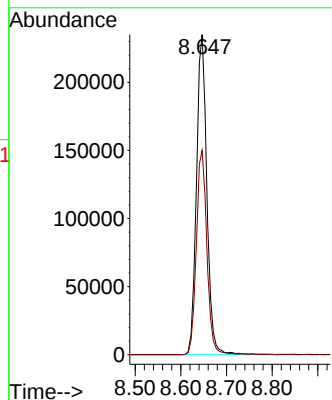
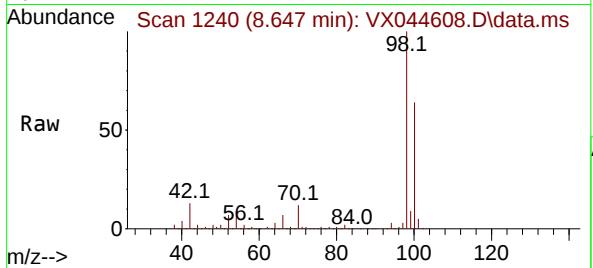




#50
Toluene-d8
Concen: 50.541 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

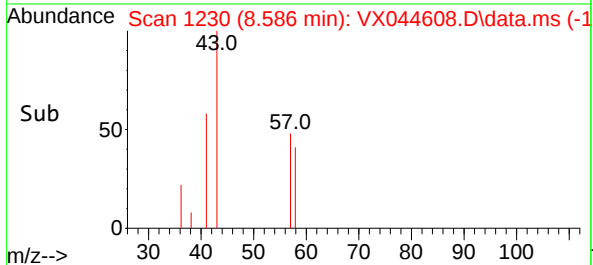
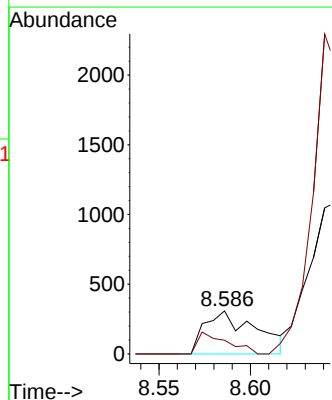
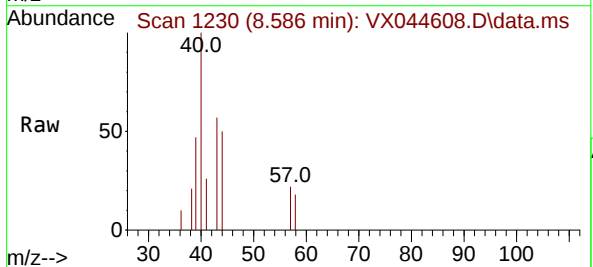
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

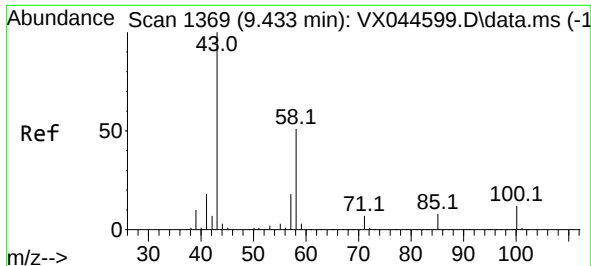
Tgt Ion: 98 Resp: 371289
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 29.5 30.0 45.0#





#59

2-Hexanone

Concen: 0.206 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX044608.D

Acq: 07 Jan 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

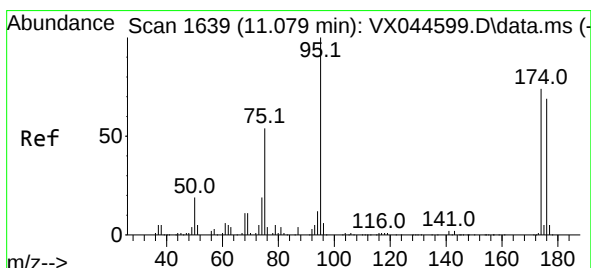
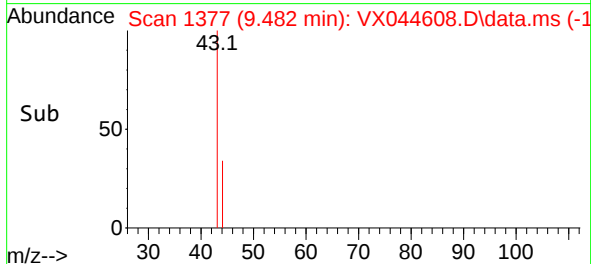
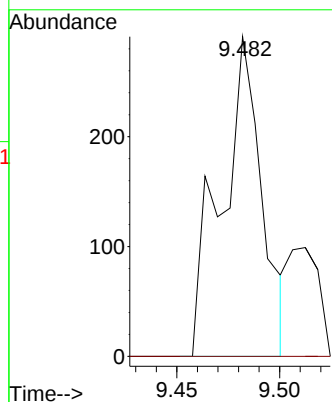
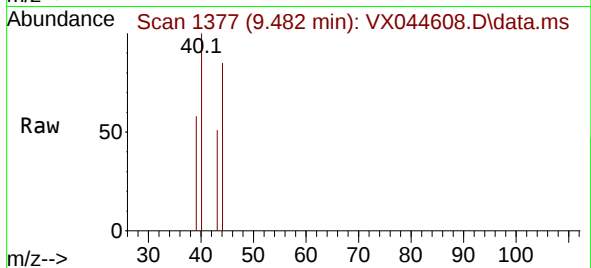
BP-VPB-190A-GW-778-780

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#



#62

4-Bromofluorobenzene

Concen: 50.309 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044608.D

Acq: 07 Jan 2025 17:42

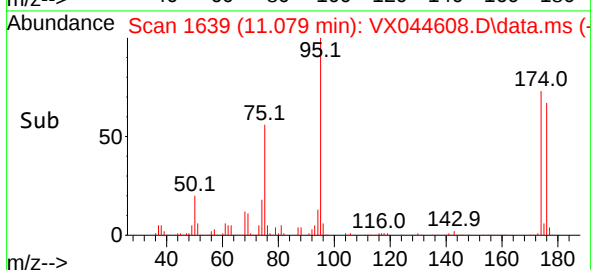
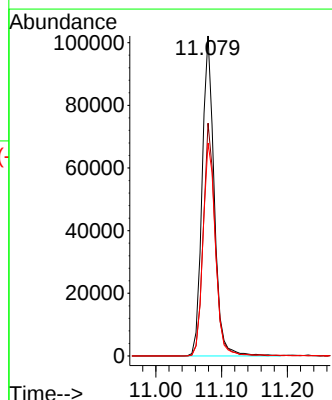
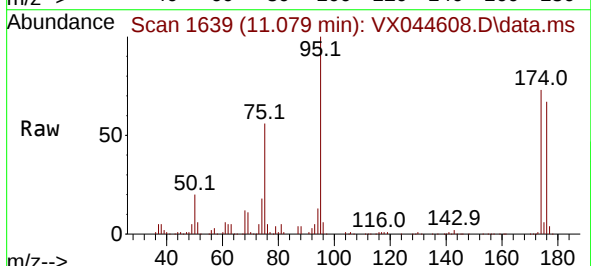
Tgt Ion: 95 Resp: 130449

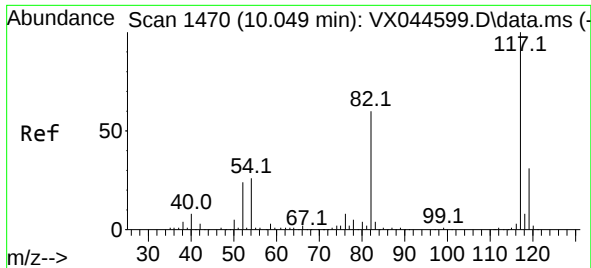
Ion Ratio Lower Upper

95 100

174 71.6 0.0 148.8

176 68.8 0.0 139.8

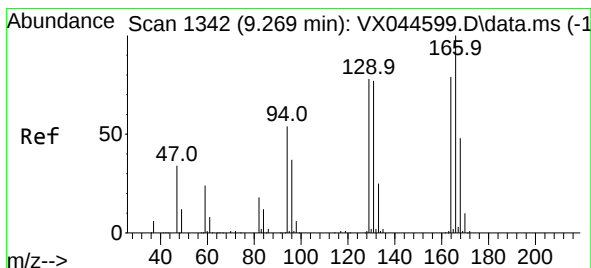
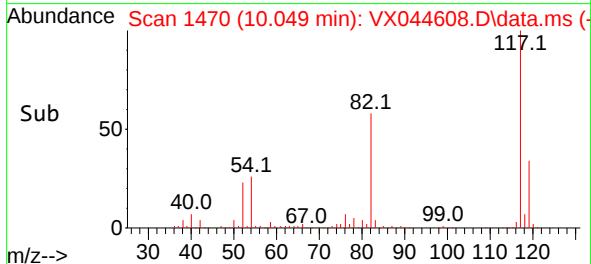
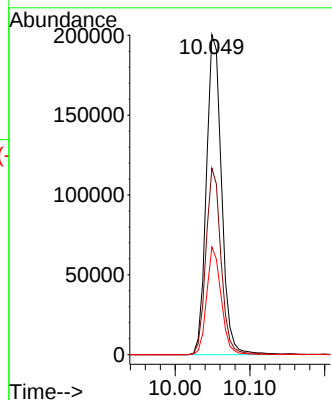
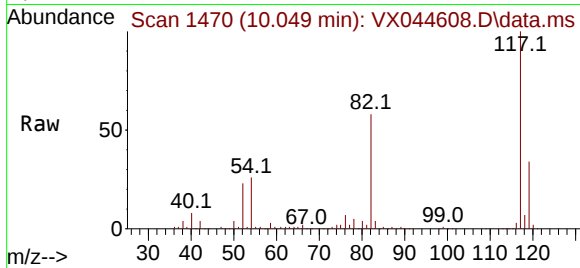




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

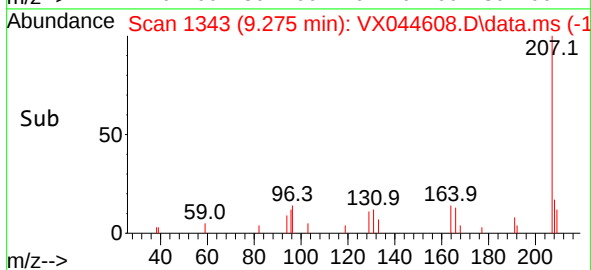
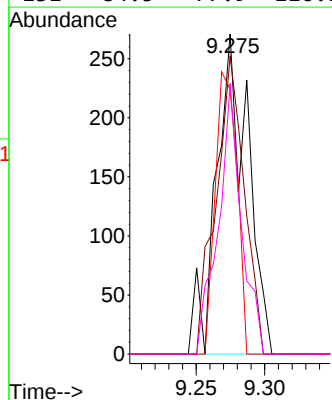
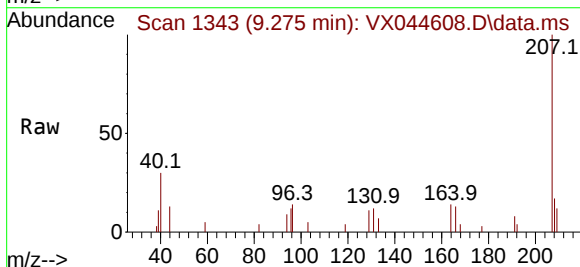
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

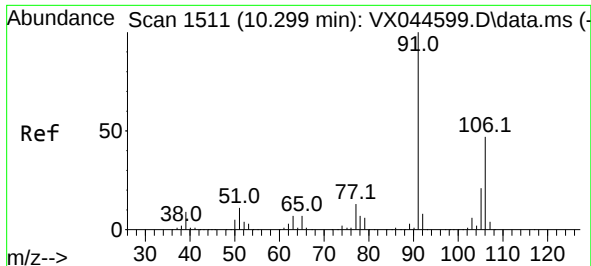
Tgt Ion:117 Resp: 283361
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.6
119 33.7 25.0 37.6



#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion:164 Resp: 432
Ion Ratio Lower Upper
164 100
166 93.0 101.5 152.3#
129 82.7 78.9 118.3
131 84.5 77.9 116.9

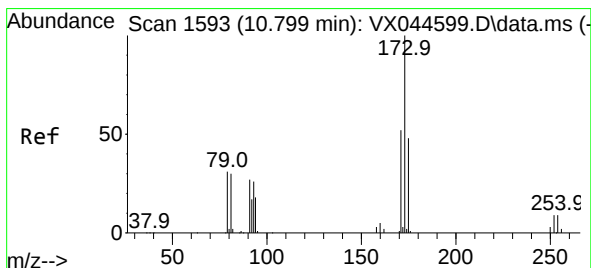
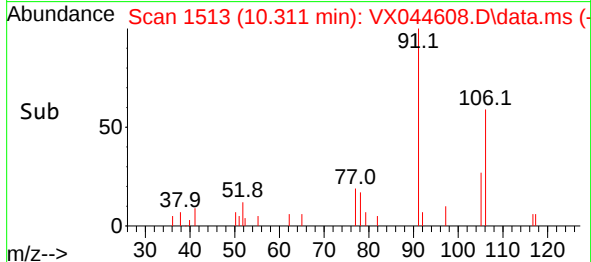
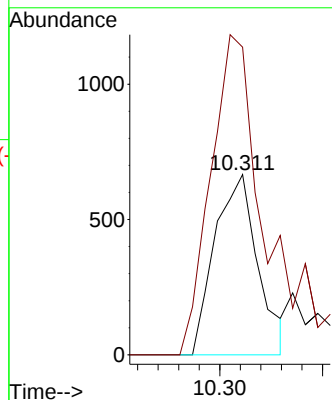
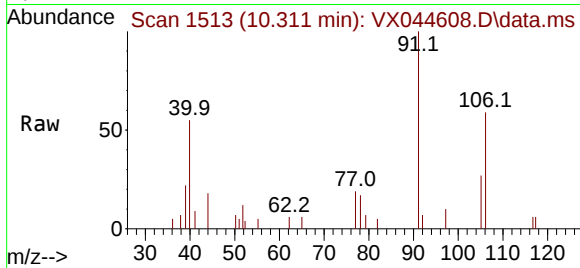




#68
m/p-Xylenes
Concen: 0.255 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

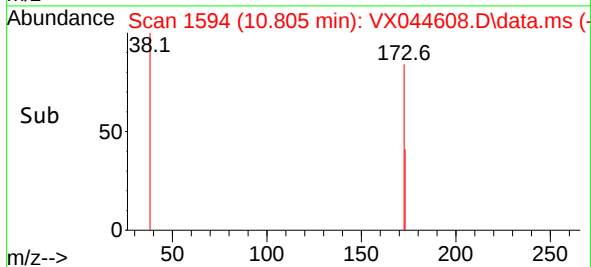
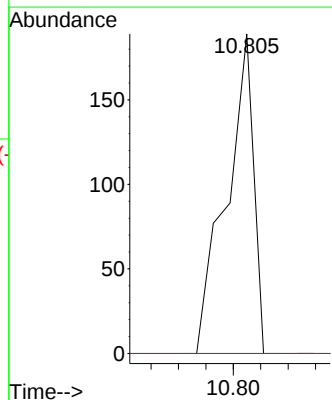
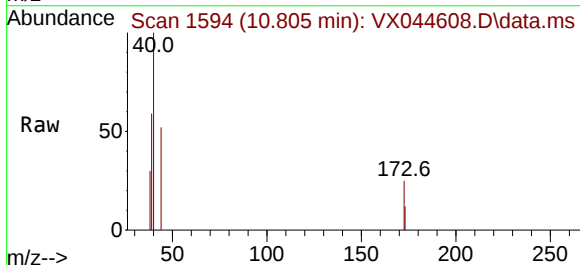
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

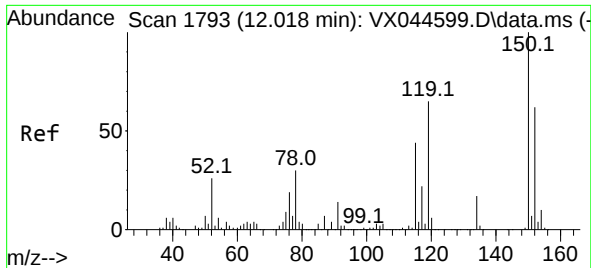
Tgt Ion:106 Resp: 967
Ion Ratio Lower Upper
106 100
91 236.9 170.4 255.6



#71
Bromoform
Concen: 0.709 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion:173 Resp: 130
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0

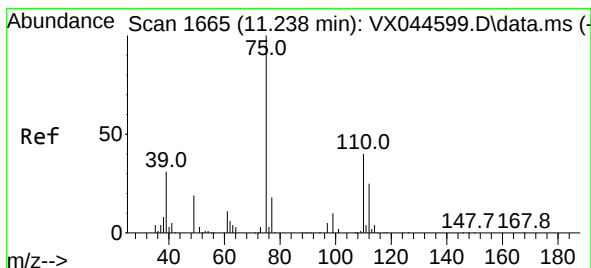
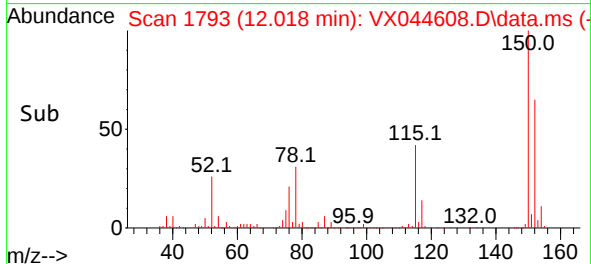
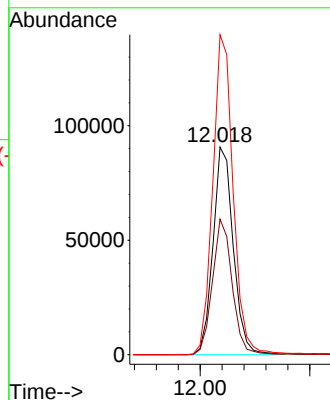
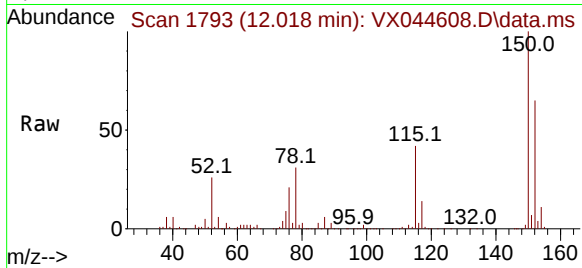




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

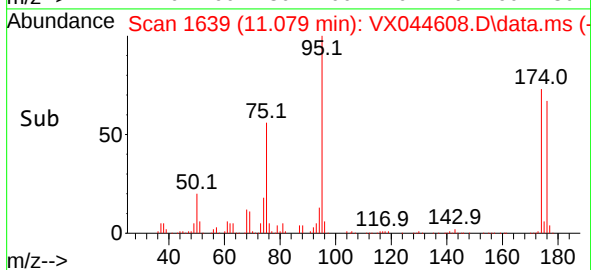
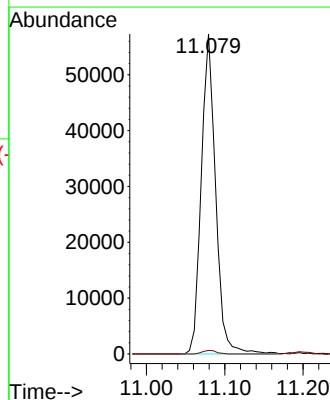
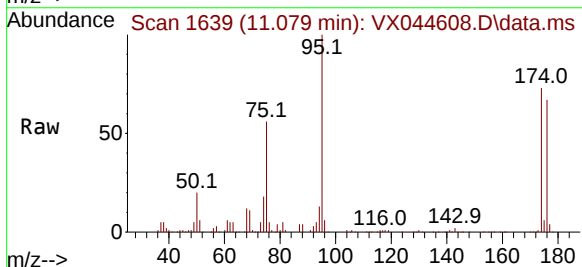
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

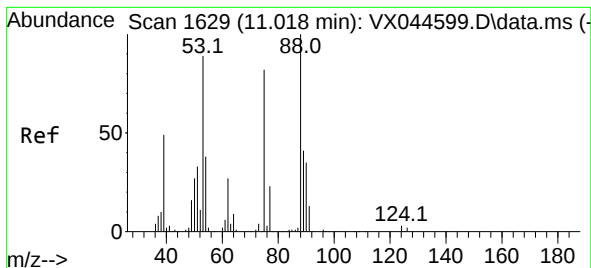
Tgt Ion:152 Resp: 116507
Ion Ratio Lower Upper
152 100
115 63.8 44.4 133.1
150 155.0 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 31.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion: 75 Resp: 73016
Ion Ratio Lower Upper
75 100
77 1.1 21.1 63.1#

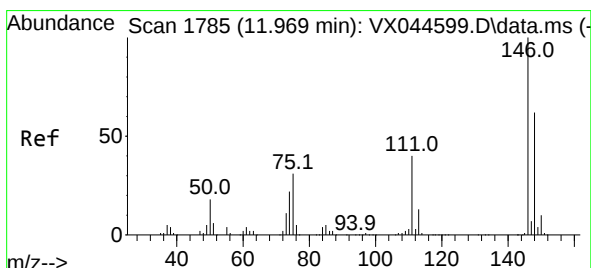
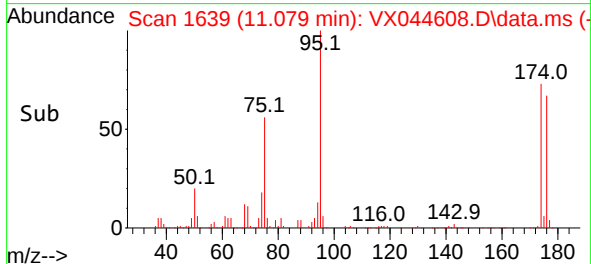
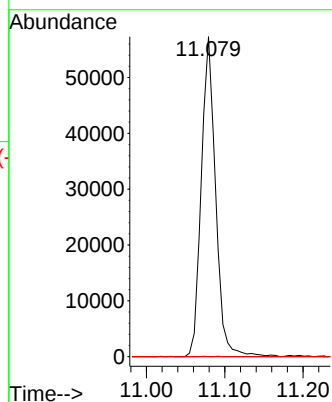
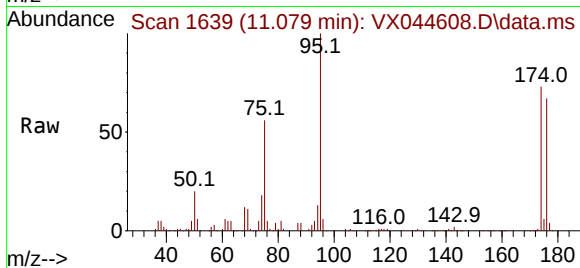




#81
trans-1,4-Dichloro-2-butene
Concen: 95.166 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

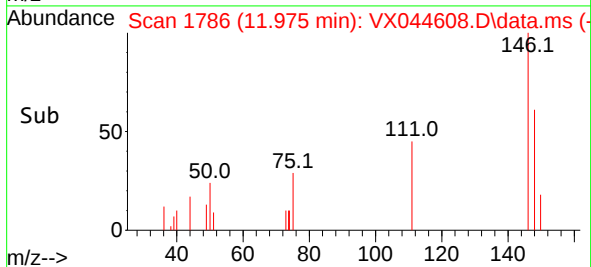
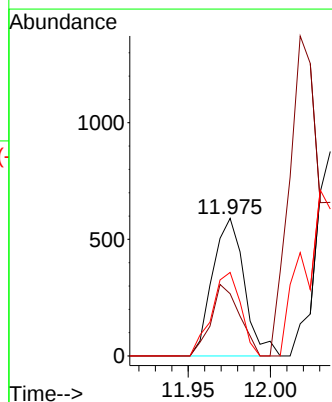
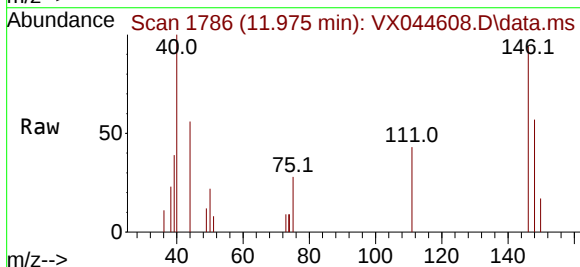
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

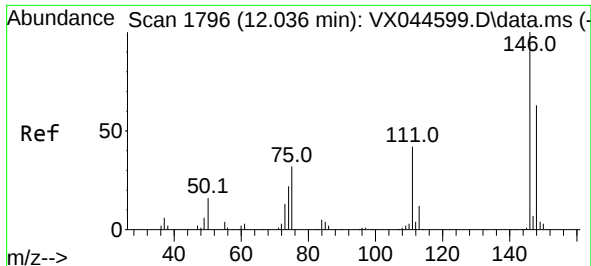
Tgt Ion: 75 Resp: 73016
Ion Ratio Lower Upper
75 100
53 0.0 92.7 139.1#
89 0.0 38.3 57.5#



#87
1,3-Dichlorobenzene
Concen: 0.210 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

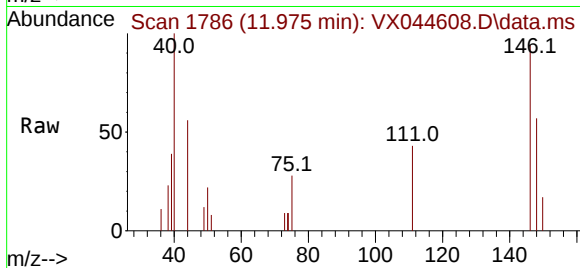
Tgt Ion:146 Resp: 795
Ion Ratio Lower Upper
146 100
111 46.8 21.0 63.0
148 55.6 31.6 95.0



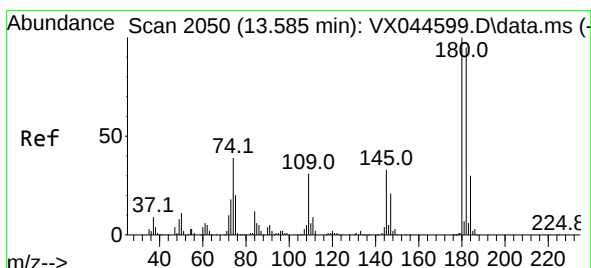
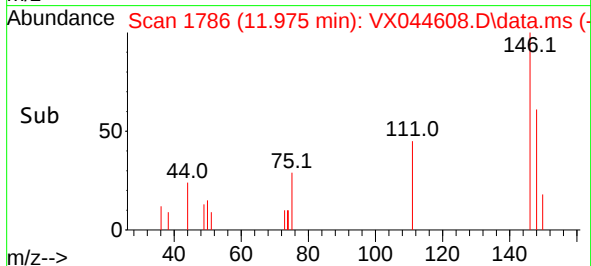
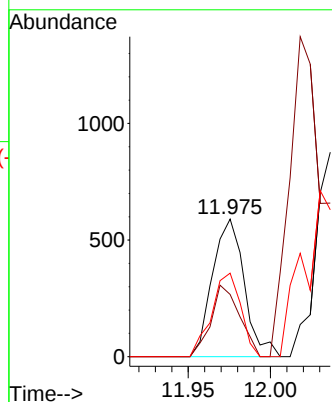


#88
1,4-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-190A-GW-778-780

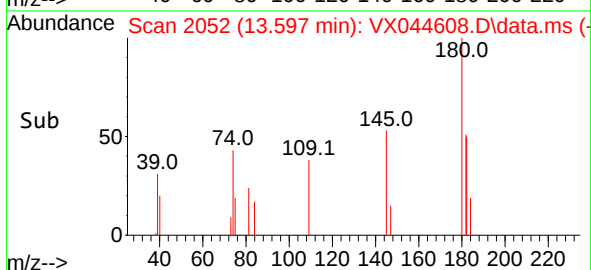
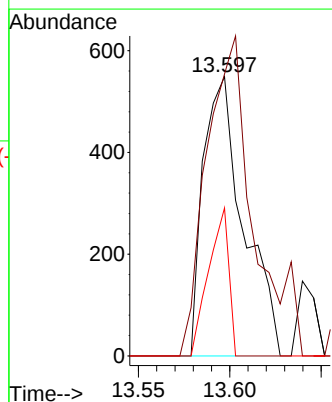
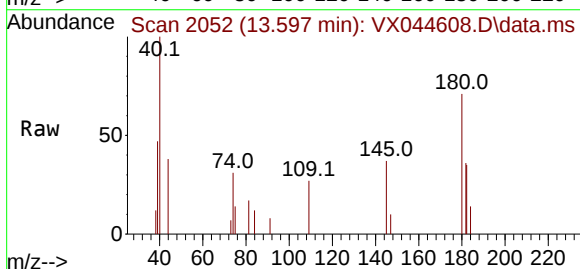


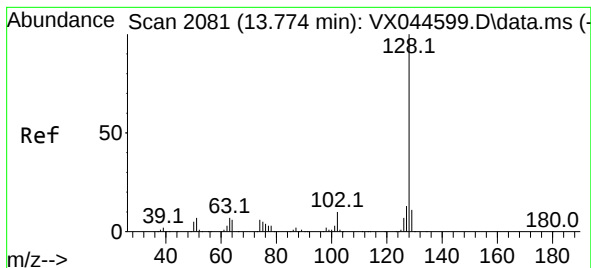
Tgt Ion:146 Resp: 795
Ion Ratio Lower Upper
146 100
111 46.8 20.7 62.1
148 55.6 31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 0.374 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX044608.D
Acq: 07 Jan 2025 17:42

Tgt Ion:180 Resp: 842
Ion Ratio Lower Upper
180 100
182 132.5 47.9 143.6
145 26.6 16.3 48.9





#95

Naphthalene

Concen: 0.657 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX044608.D

Acq: 07 Jan 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-190A-GW-778-780

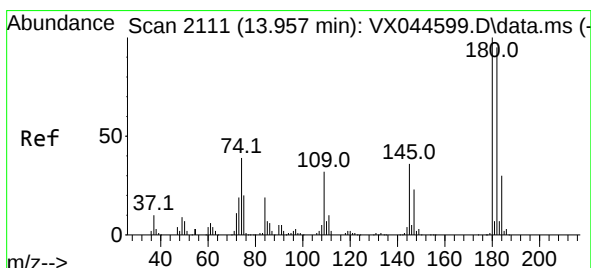
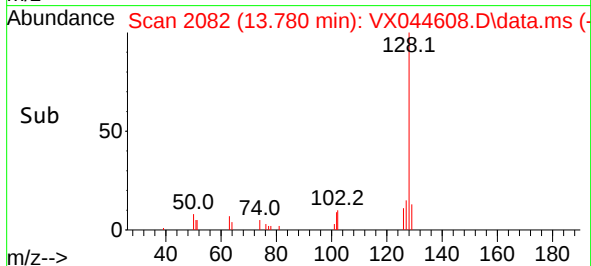
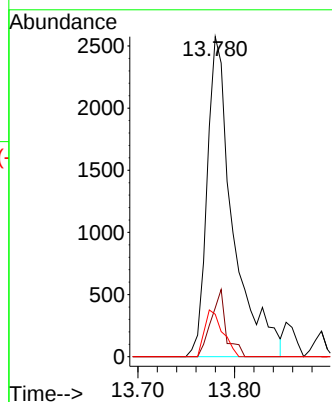
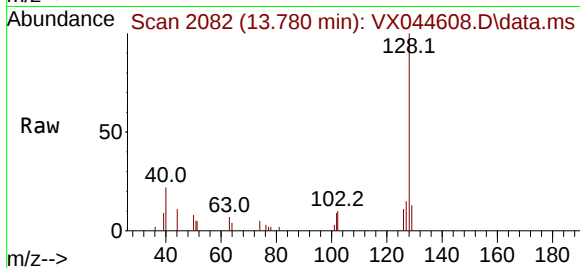
Tgt Ion:128 Resp: 4773

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 10.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.509 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX044608.D

Acq: 07 Jan 2025 17:42

Tgt Ion:180 Resp: 1172

Ion Ratio Lower Upper

180 100

182 75.6 47.6 142.9

145 23.5 17.6 52.9

