

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022725\
 Data File : VX045058.D
 Acq On : 27 Feb 2025 13:01
 Operator : JC/MD
 Sample : VX0227MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227MBL01

Quant Time: Feb 28 00:40:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

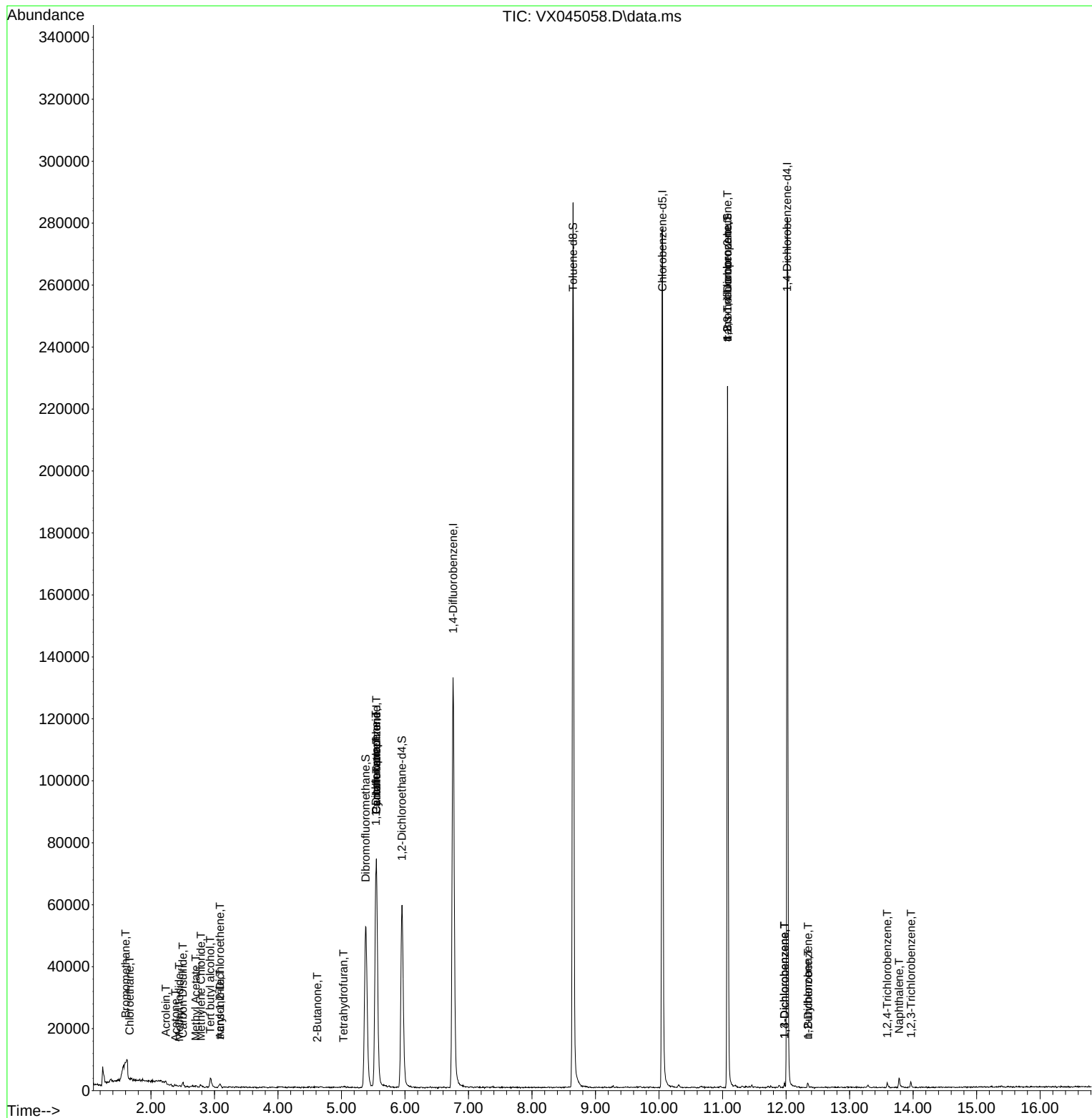
Internal Standards						
1) Pentafluorobenzene	5.550	168	70688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134879	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55984	54.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.200%			
35) Dibromofluoromethane	5.379	113	46773	53.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.680%			
50) Toluene-d8	8.647	98	168228	50.731	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	59920	53.600	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.200%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	209	0.597	ug/l #	57
6) Chloroethane	1.666	64	98	1.514	ug/l #	42
10) Methyl Iodide	2.447	142	292	0.252	ug/l #	79
11) Tert butyl alcohol	2.934	59	1781	9.278	ug/l #	73
13) Acrolein	2.233	56	346	1.747	ug/l #	53
15) Acrylonitrile	3.087	53	425	0.829	ug/l #	81
16) Acetone	2.386	43	461	1.108	ug/l #	42
17) Carbon Disulfide	2.502	76	1876	0.751	ug/l #	94
18) Methyl Acetate	2.703	43	499	0.380	ug/l #	78
20) Methylene Chloride	2.788	84	391	0.384	ug/l #	74
21) trans-1,2-Dichloroethene	3.087	96	319	0.356	ug/l #	71
25) 2-Butanone	4.617	43	140	0.207	ug/l #	48
29) Tetrahydrofuran	5.032	42	252	0.562	ug/l #	33
31) Cyclohexane	5.550	56	1776	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6260	4.948	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7534	6.077	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	31646	26.312	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	31646	67.684	ug/l #	11
87) 1,3-Dichlorobenzene	11.975	146	477	0.262	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	477	0.259	ug/l	95
89) n-Butylbenzene	12.347	91	692	0.219	ug/l #	81
91) 1,2-Dichlorobenzene	12.347	146	371	0.207	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	662	0.611	ug/l	91
95) Naphthalene	13.780	128	2891	0.738	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	499	0.457	ug/l	81

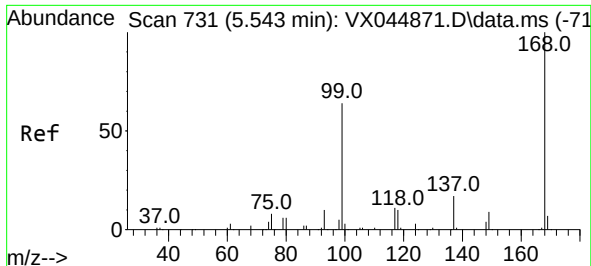
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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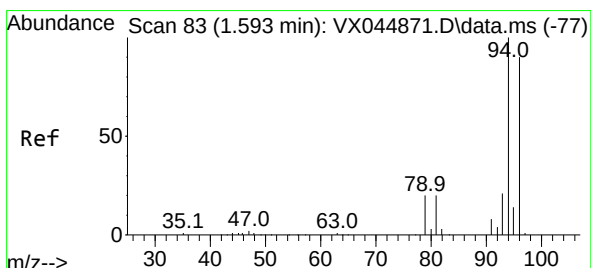
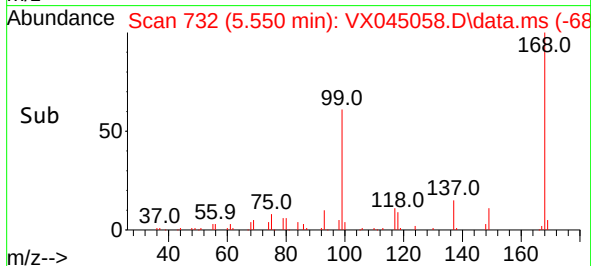
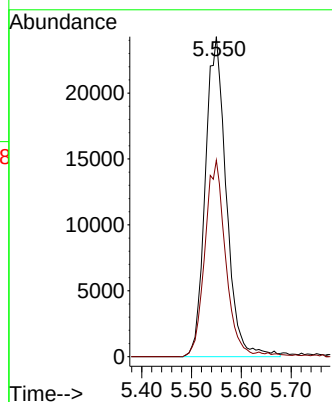
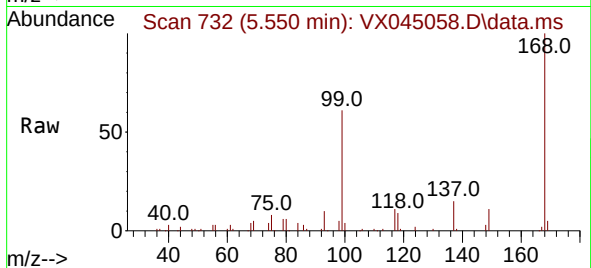




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

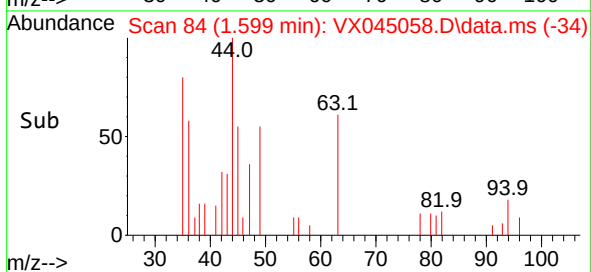
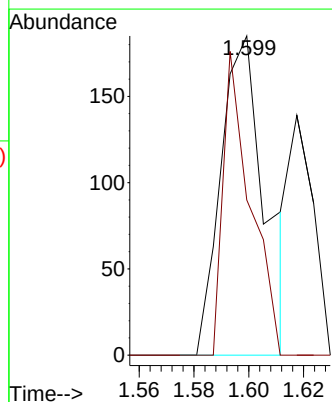
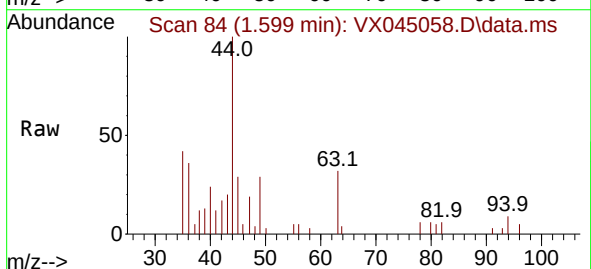
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

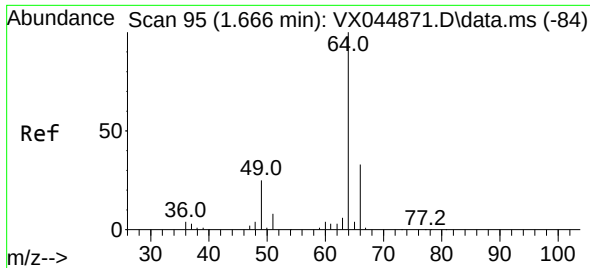
Tgt Ion:168 Resp: 70688
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#5
Bromomethane
Concen: 0.597 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 48.6 71.6 107.4#

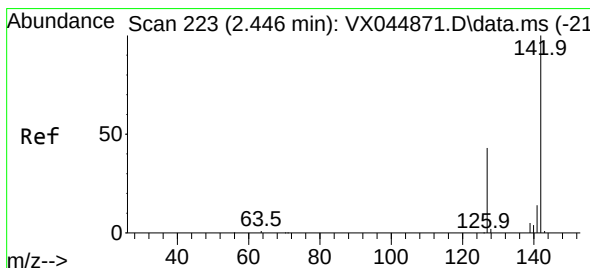
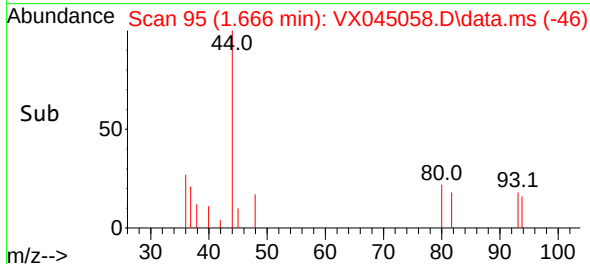
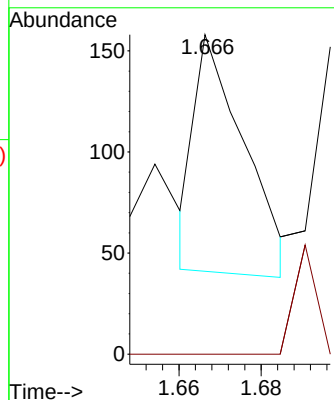
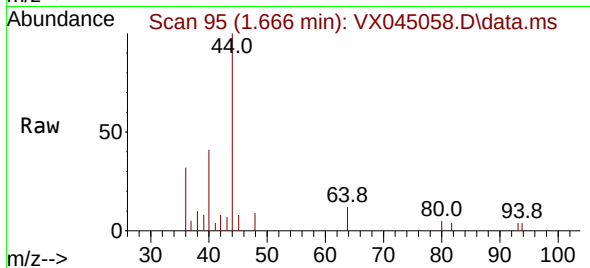




#6
 Chloroethane
 Concen: 1.514 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045058.D
 Acq: 27 Feb 2025 13:01

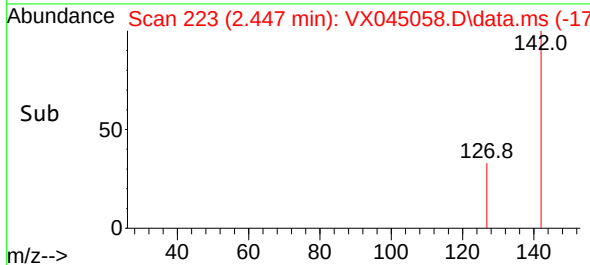
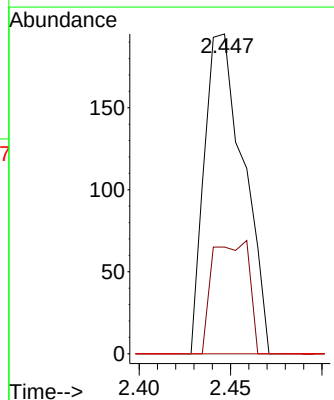
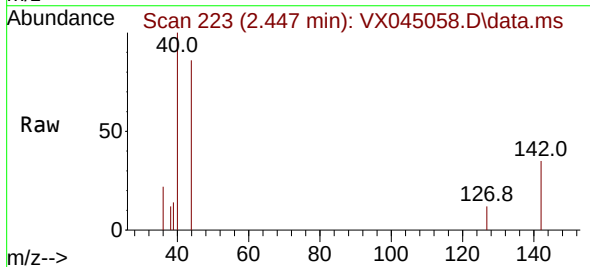
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227MBL01

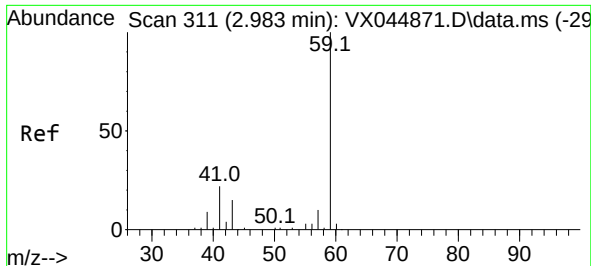
Tgt Ion: 64 Resp: 98
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.9 38.9#



#10
 Methyl Iodide
 Concen: 0.252 ug/l
 RT: 2.447 min Scan# 223
 Delta R.T. 0.000 min
 Lab File: VX045058.D
 Acq: 27 Feb 2025 13:01

Tgt Ion: 142 Resp: 292
 Ion Ratio Lower Upper
 142 100
 127 32.9 34.3 51.5#
 141 0.0 11.4 17.2#

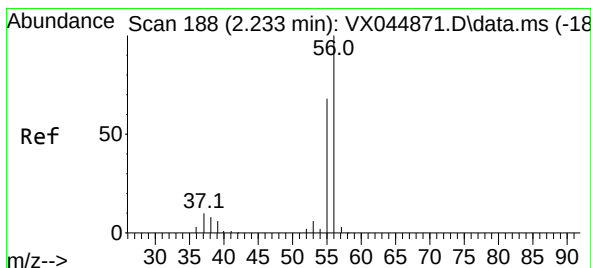
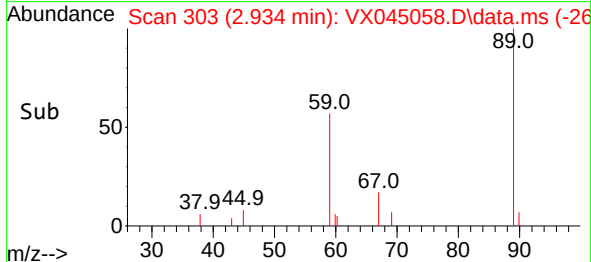
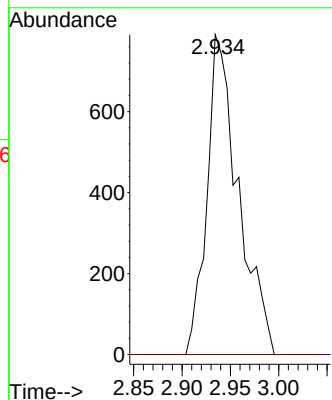
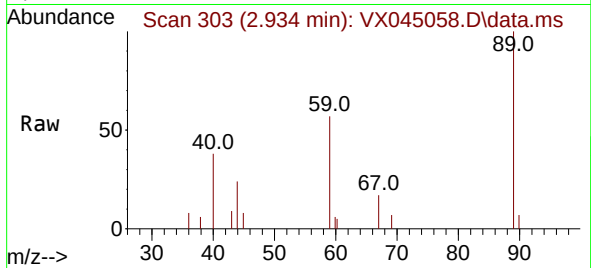




#11
Tert butyl alcohol
Concen: 9.278 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.048 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

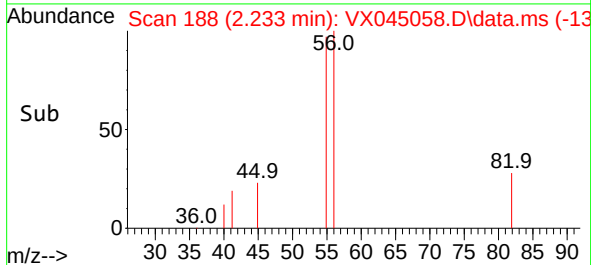
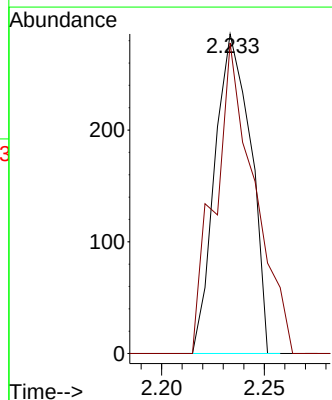
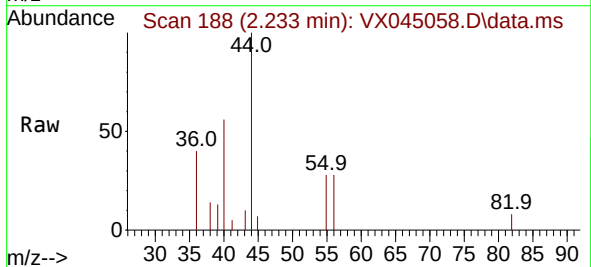
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

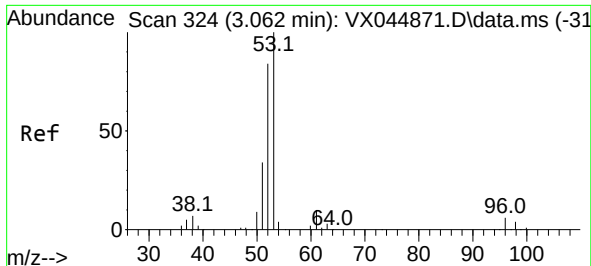
Tgt Ion: 59 Resp: 1781
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 1.747 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 107.8 55.7 83.5#

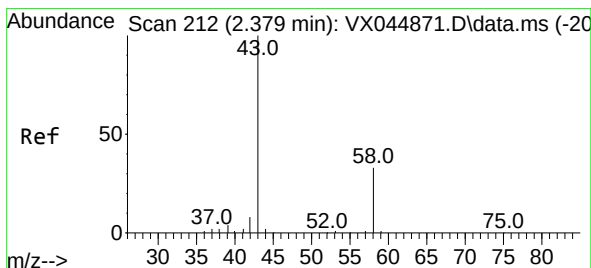
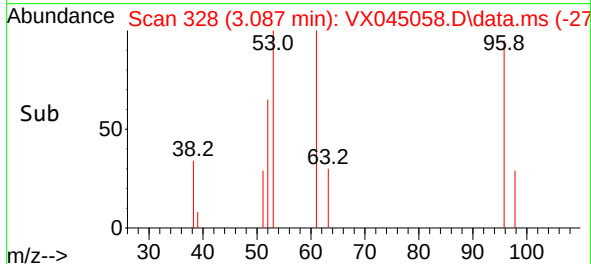
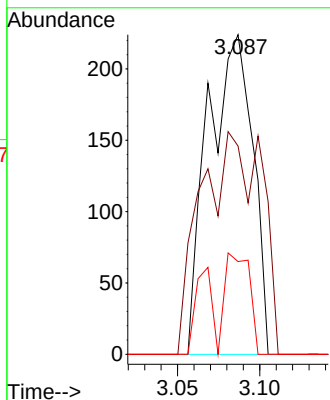
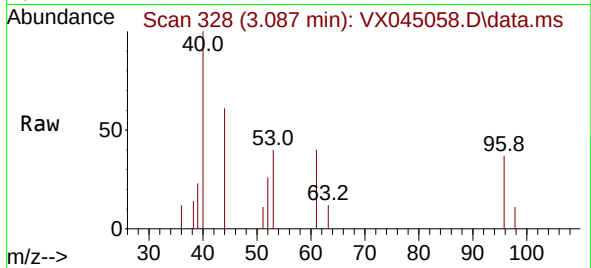




#15
Acrylonitrile
Concen: 0.829 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.025 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

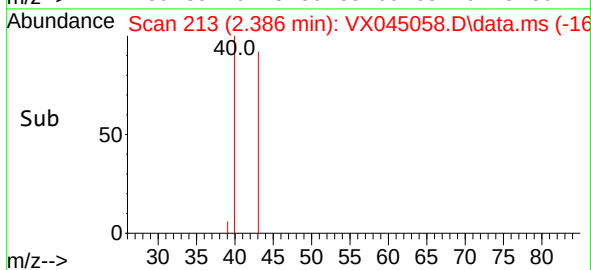
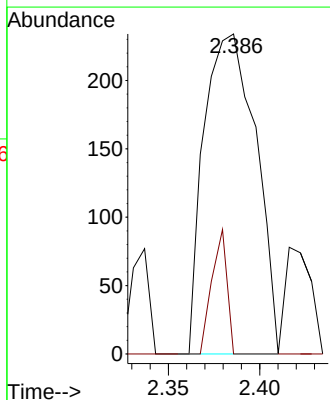
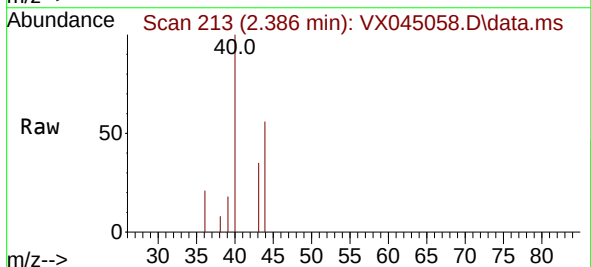
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

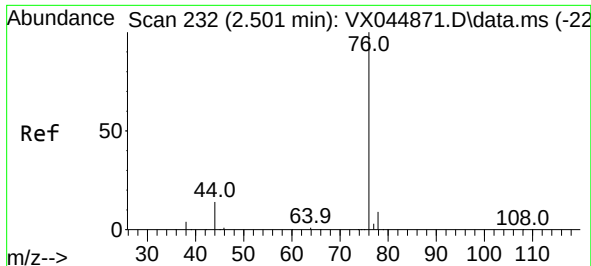
Tgt Ion: 53 Resp: 425
Ion Ratio Lower Upper
53 100
52 93.6 65.0 97.6
51 17.4 28.0 42.0#



#16
Acetone
Concen: 1.108 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#

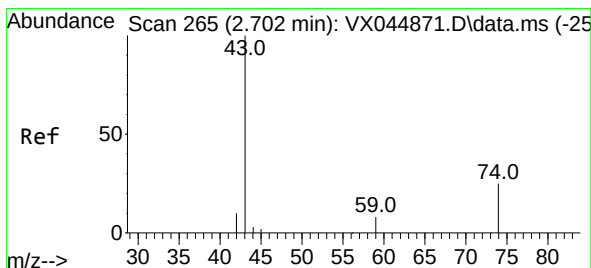
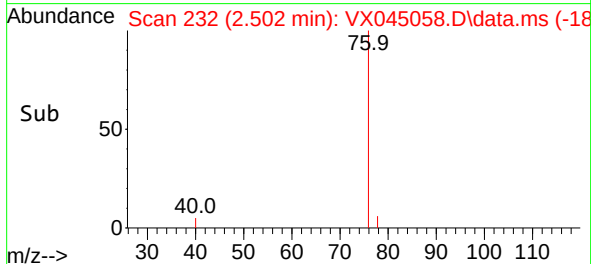
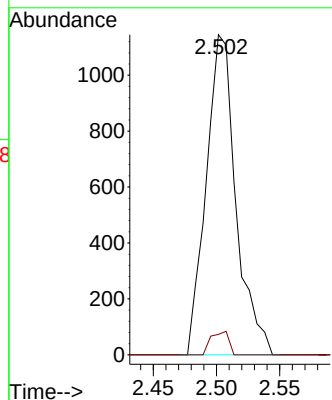
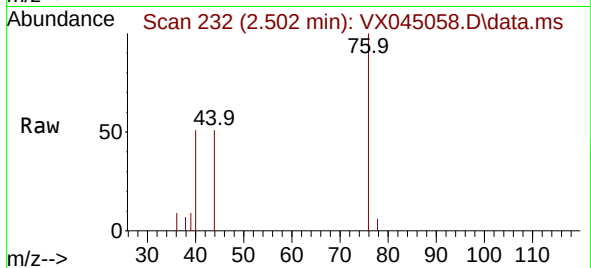




#17
Carbon Disulfide
Concen: 0.751 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

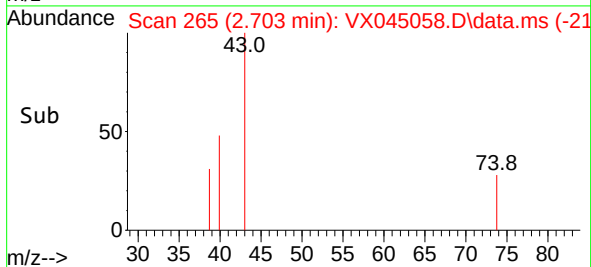
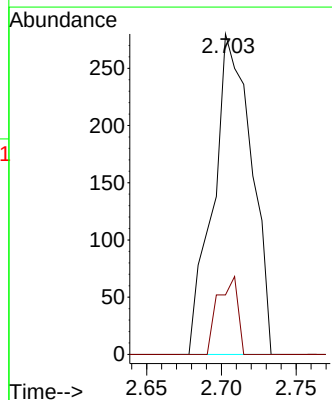
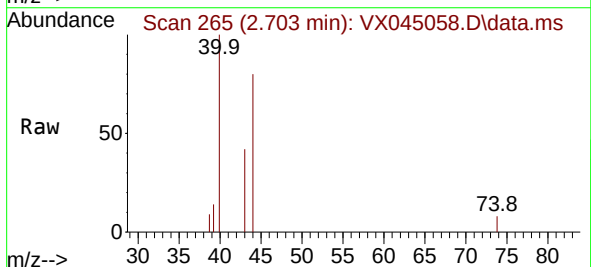
Instrument :
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ClientSampleId :
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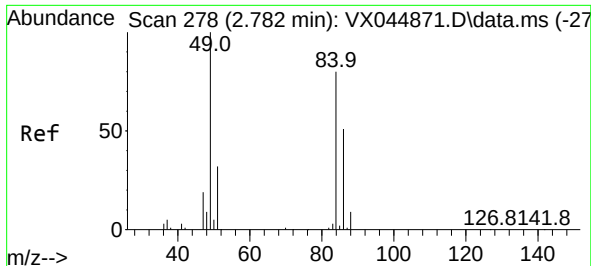
Tgt Ion: 76 Resp: 1876
Ion Ratio Lower Upper
76 100
78 6.4 7.0 10.4#



#18
Methyl Acetate
Concen: 0.380 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 43 Resp: 499
Ion Ratio Lower Upper
43 100
74 12.6 18.9 28.3#

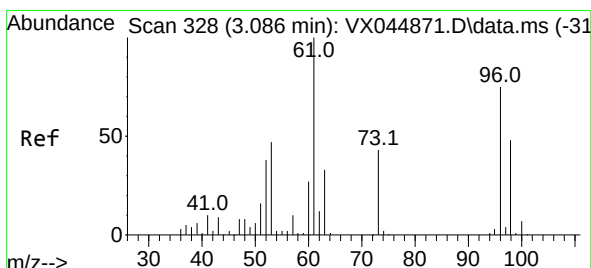
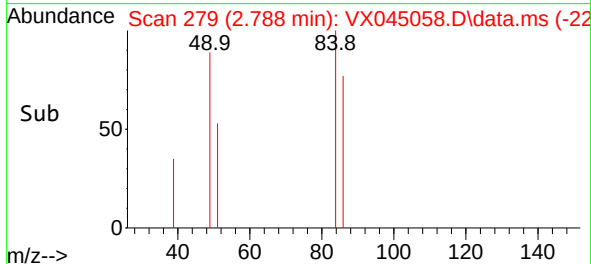
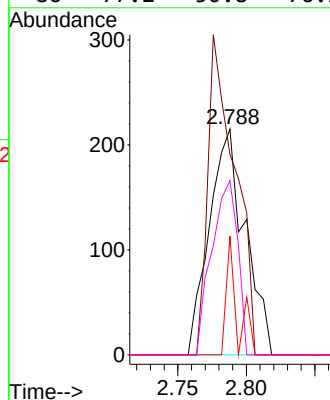
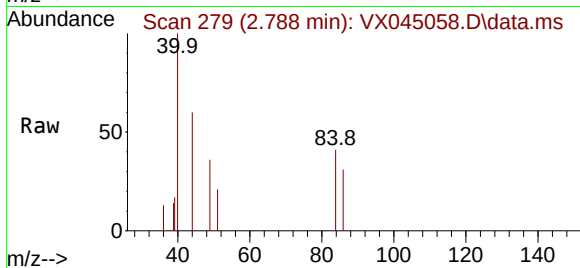




#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

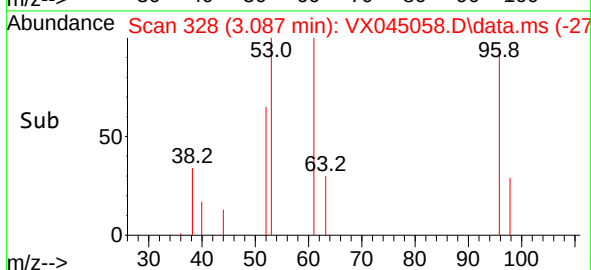
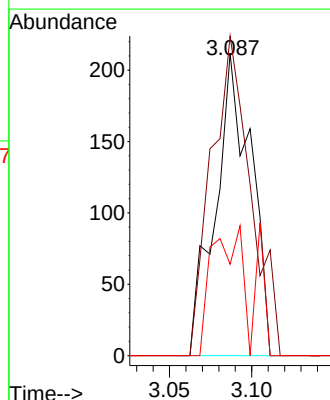
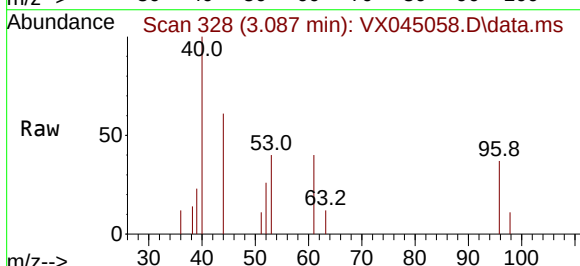
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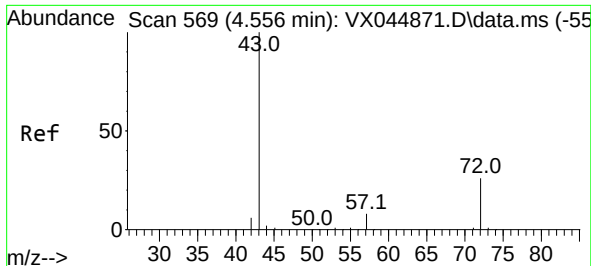
Tgt Ion: 84 Resp: 391
Ion Ratio Lower Upper
84 100
49 88.8 100.1 150.1#
51 52.6 31.7 47.5#
86 77.2 50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: 0.356 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 96 Resp: 319
Ion Ratio Lower Upper
96 100
61 105.7 106.0 159.0#
98 30.2 50.6 76.0#

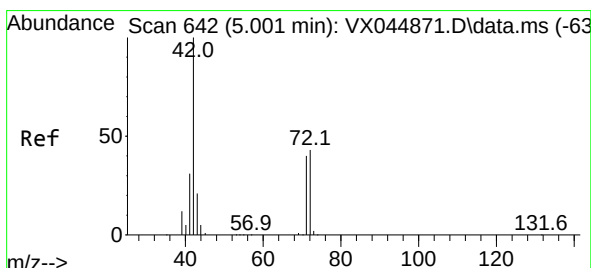
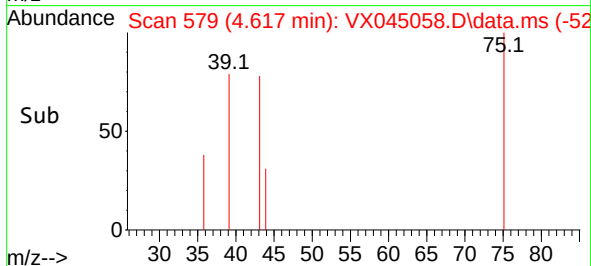
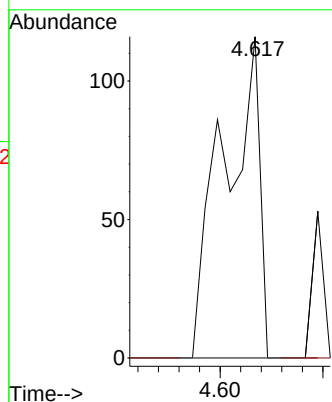
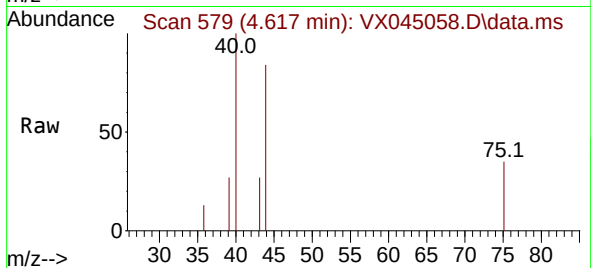




#25
2-Butanone
Concen: 0.207 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.061 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

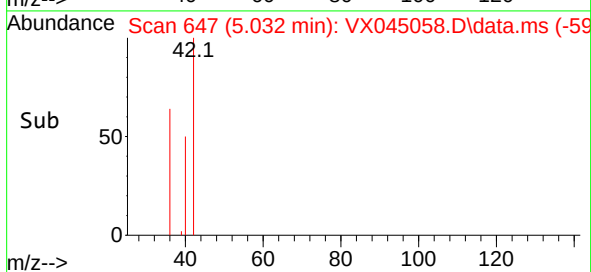
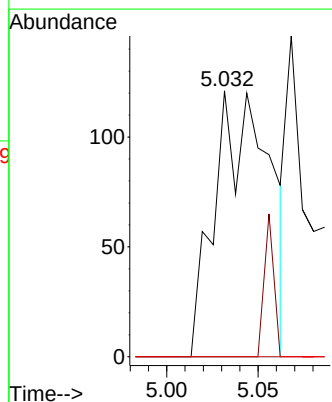
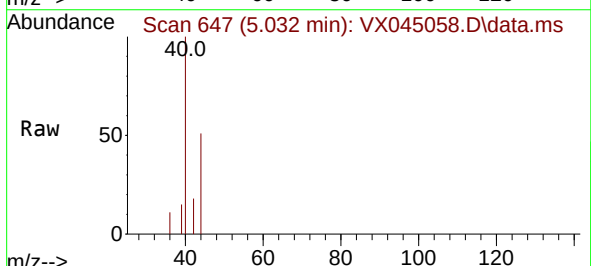
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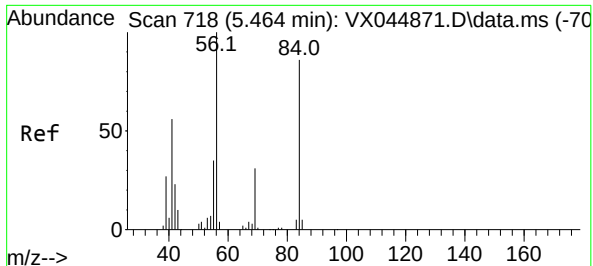
Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.562 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 42 Resp: 252
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.6 48.8#

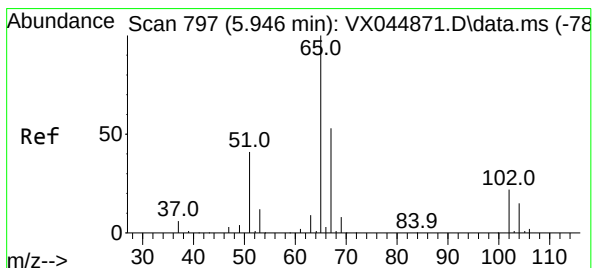
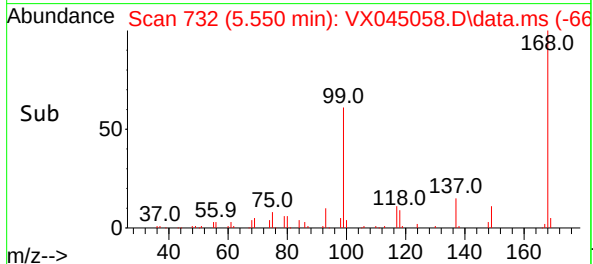
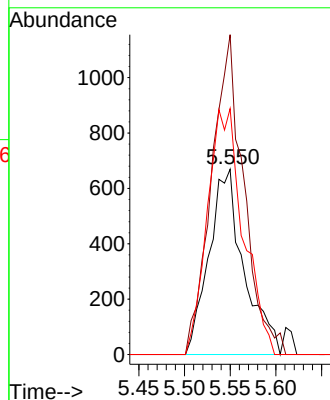
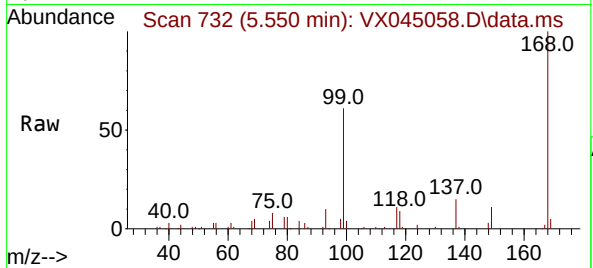




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

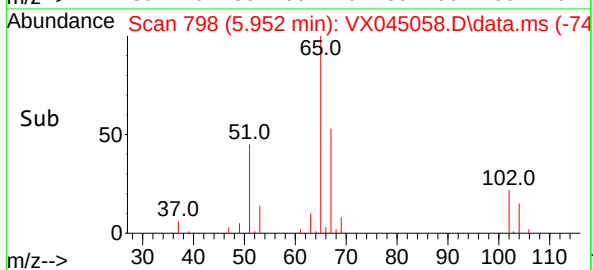
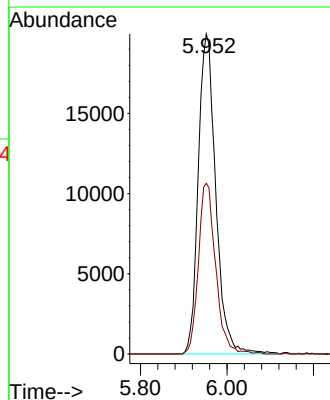
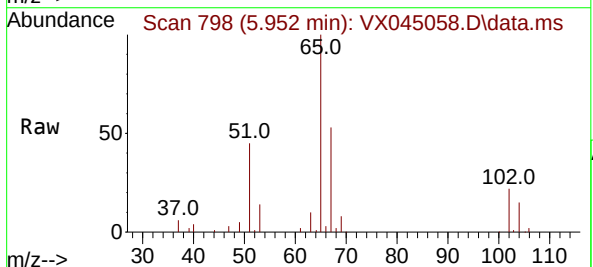
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

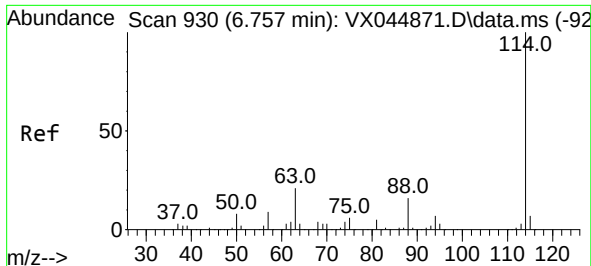
Tgt Ion: 56 Resp: 1776
Ion Ratio Lower Upper
56 100
69 172.6 24.4 36.6#
84 132.7 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 54.104 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 65 Resp: 55984
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.2

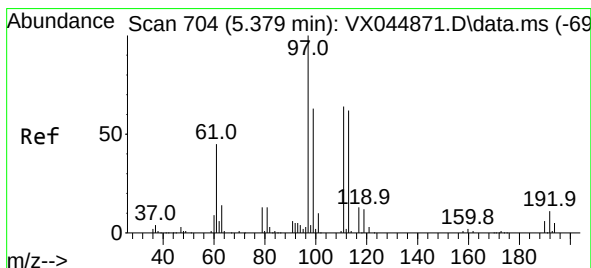
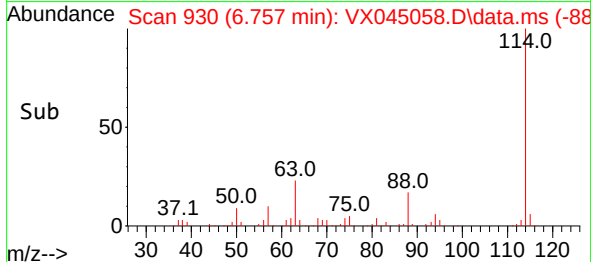
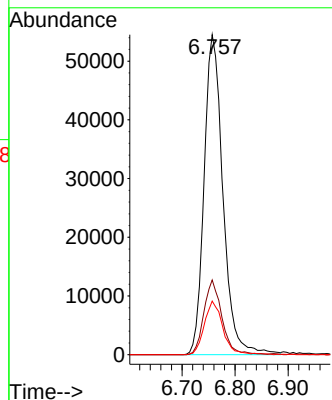
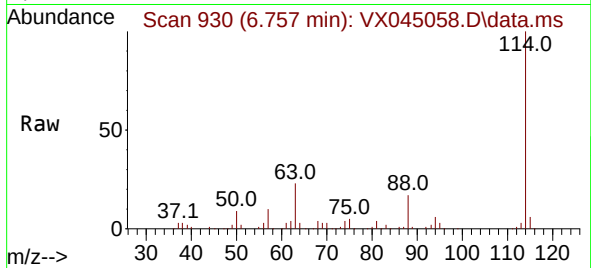




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

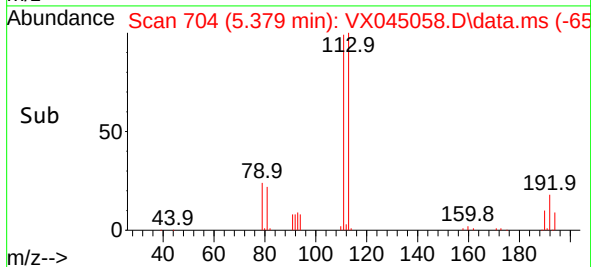
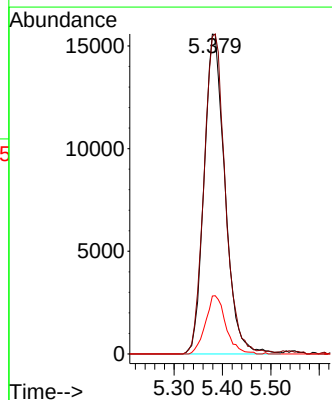
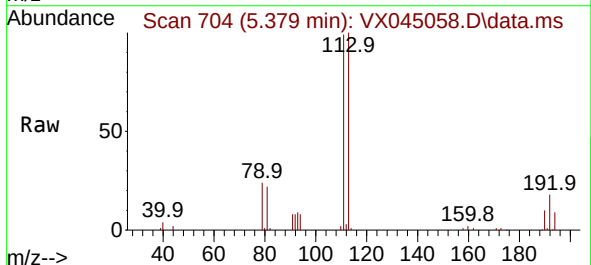
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

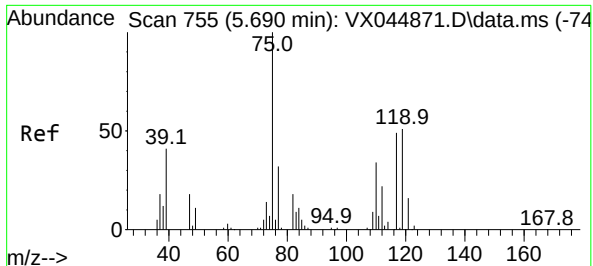
Tgt Ion:114 Resp: 134879
Ion Ratio Lower Upper
114 100
63 23.4 0.0 42.4
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.337 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion:113 Resp: 46773
Ion Ratio Lower Upper
113 100
111 101.9 83.5 125.3
192 17.7 14.4 21.6

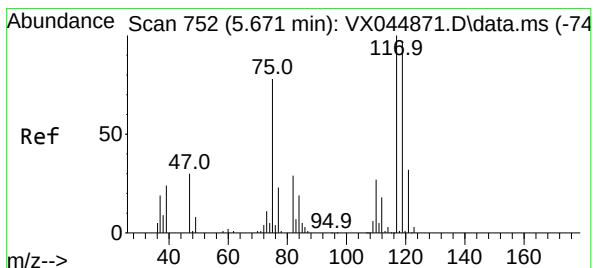
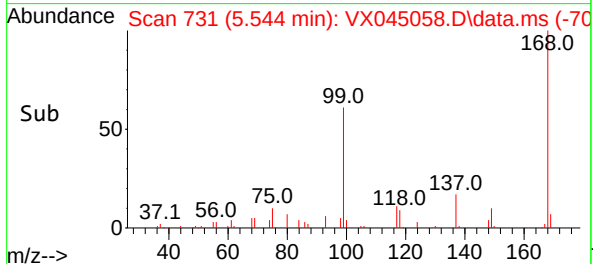
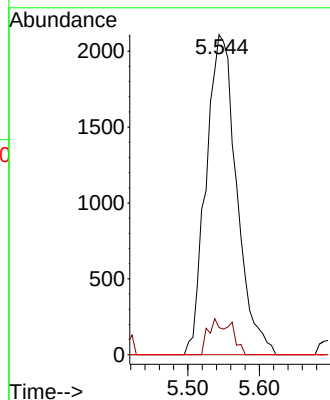
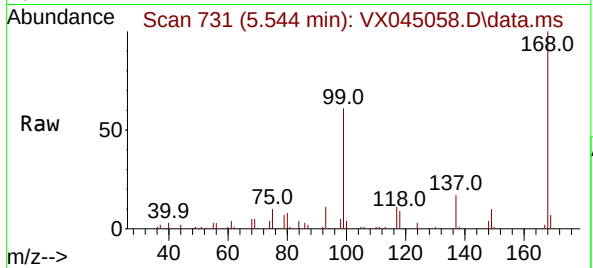




#36
 1,1-Dichloropropene
 Concen: 4.948 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX045058.D
 Acq: 27 Feb 2025 13:01

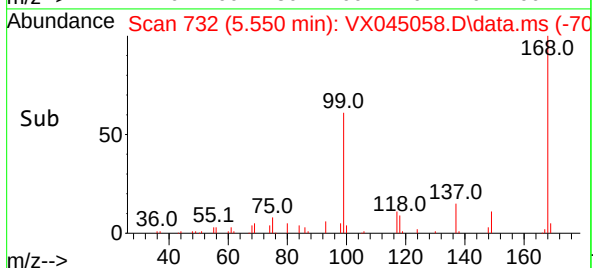
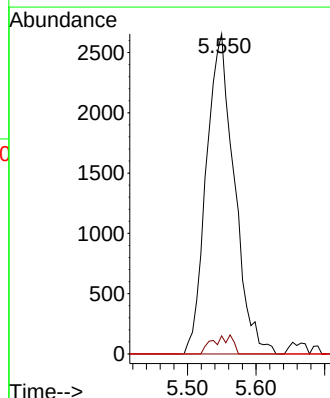
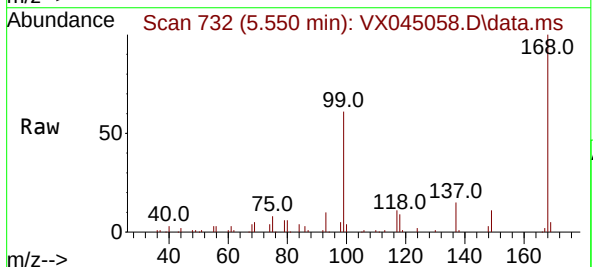
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227MBL01

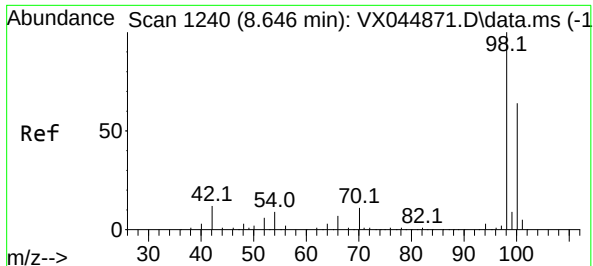
Tgt Ion: 75 Resp: 6260
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.6#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.077 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX045058.D
 Acq: 27 Feb 2025 13:01

Tgt Ion: 117 Resp: 7534
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.5 116.3#
 121 0.0 25.6 38.4#





#50

Toluene-d8

Concen: 50.731 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045058.D

Acq: 27 Feb 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

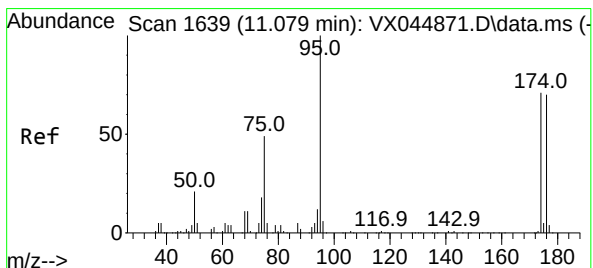
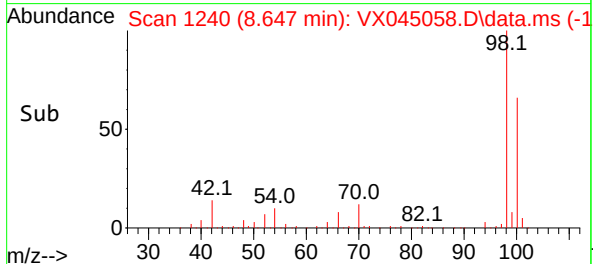
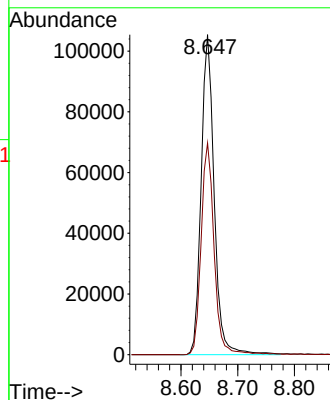
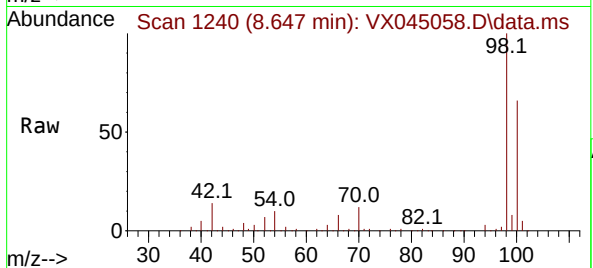
VX0227MBL01

Tgt Ion: 98 Resp: 168228

Ion Ratio Lower Upper

98 100

100 66.1 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 53.600 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045058.D

Acq: 27 Feb 2025 13:01

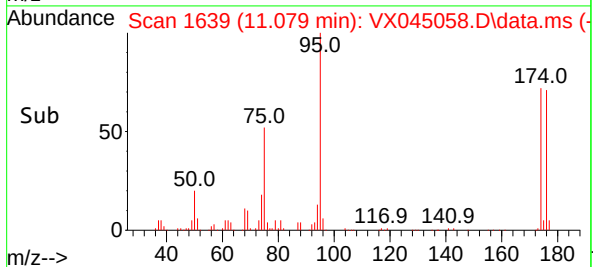
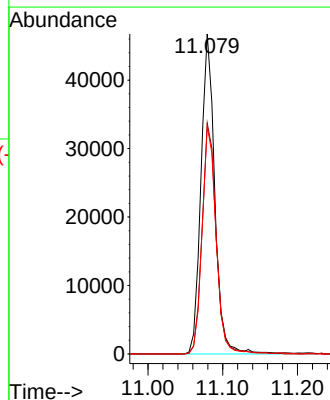
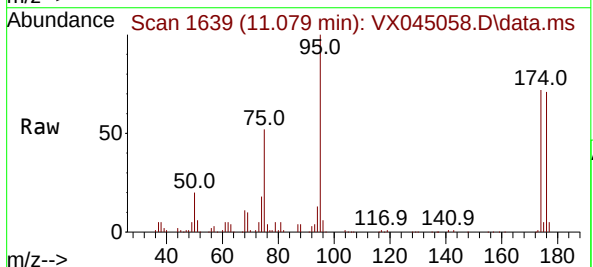
Tgt Ion: 95 Resp: 59920

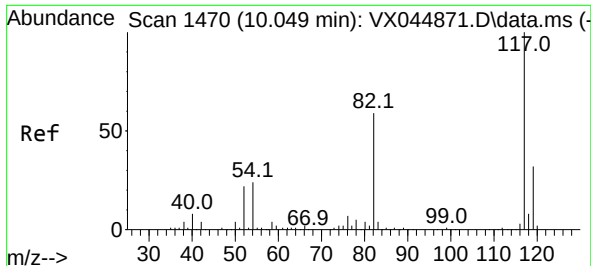
Ion Ratio Lower Upper

95 100

174 74.1 0.0 142.6

176 72.0 0.0 141.6

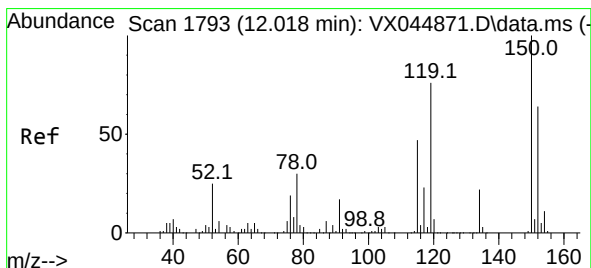
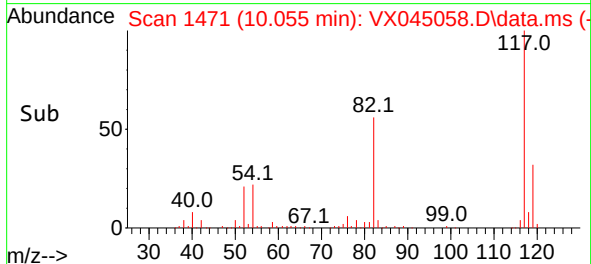
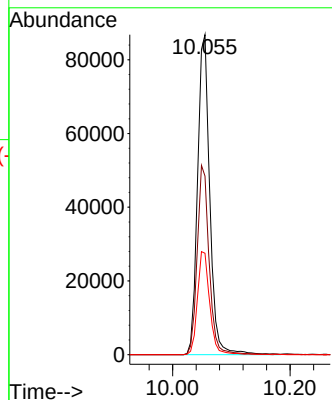
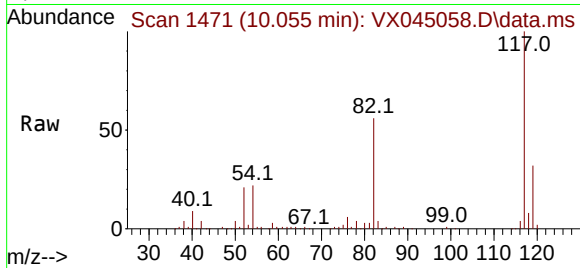




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

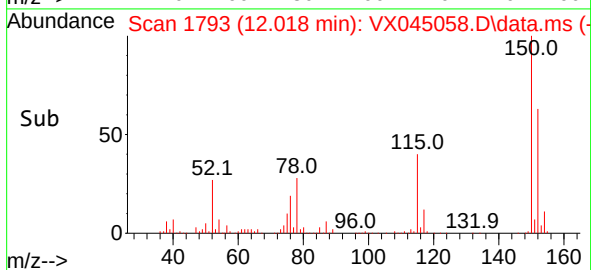
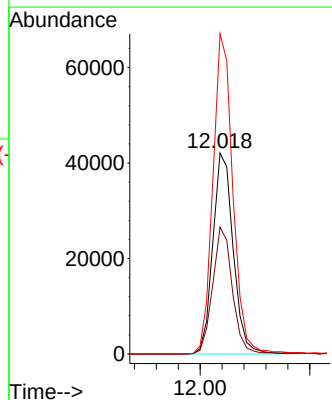
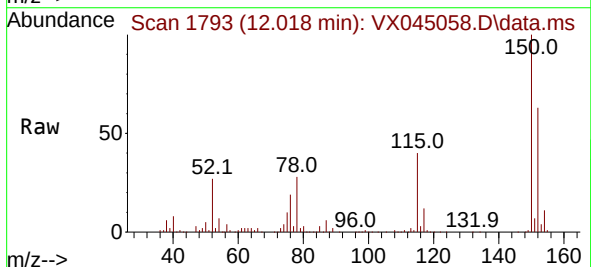
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

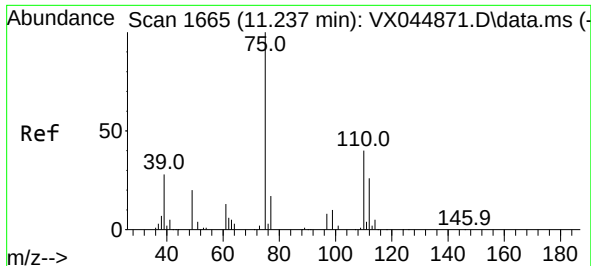
Tgt Ion:117 Resp: 125309
Ion Ratio Lower Upper
117 100
82 55.8 47.5 71.3
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion:152 Resp: 54247
Ion Ratio Lower Upper
152 100
115 61.2 43.4 130.1
150 157.1 0.0 350.4

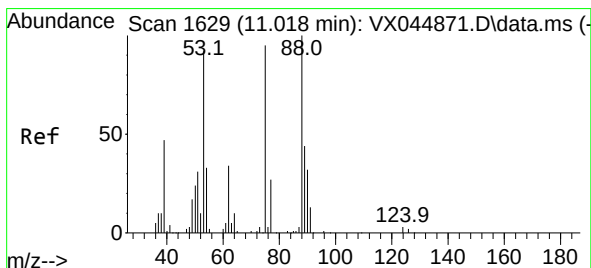
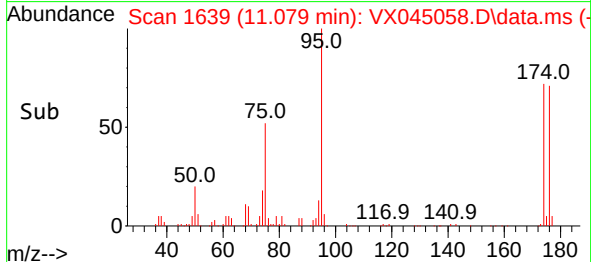
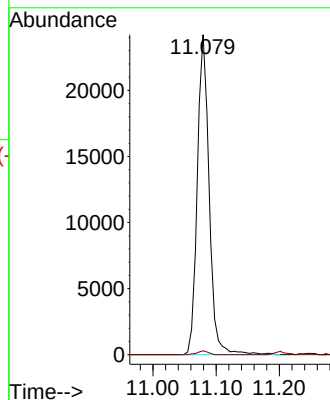
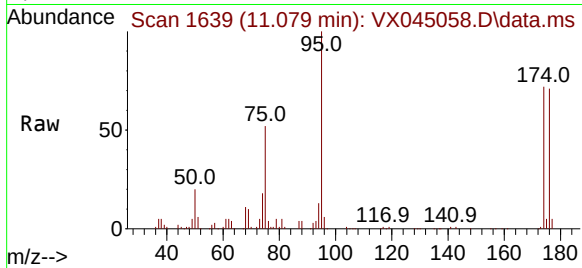




#76
1,2,3-Trichloropropane
Concen: 26.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

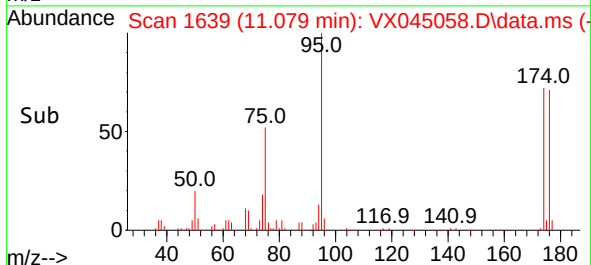
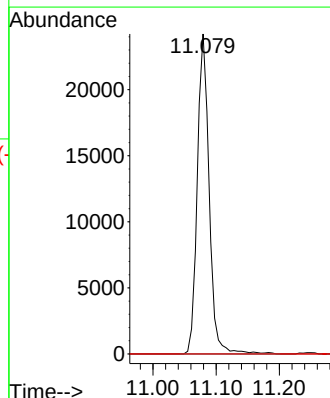
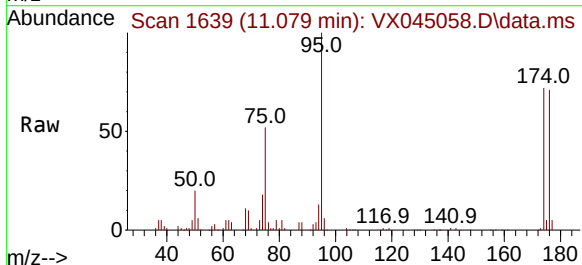
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

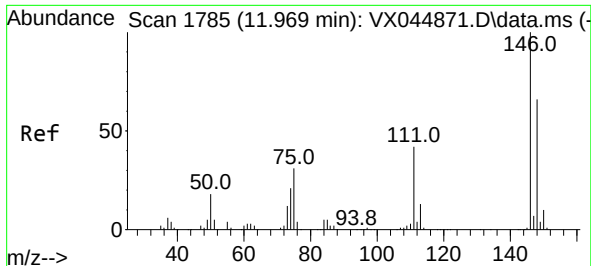
Tgt Ion: 75 Resp: 31646
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.684 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion: 75 Resp: 31646
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

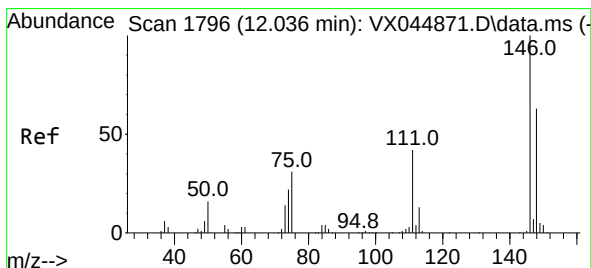
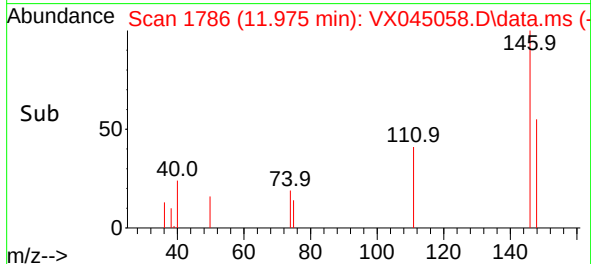
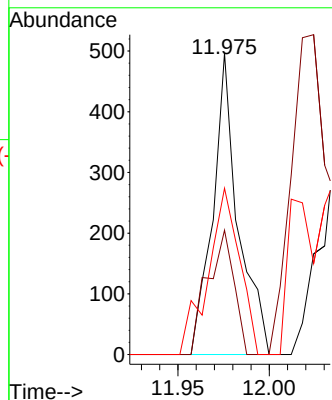
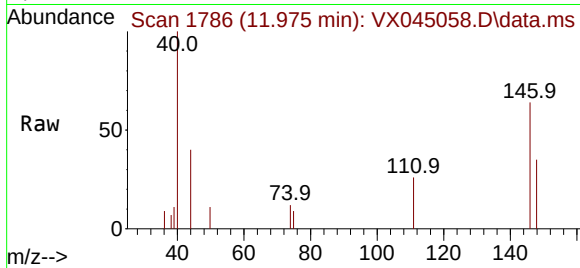




#87
1,3-Dichlorobenzene
Concen: 0.262 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

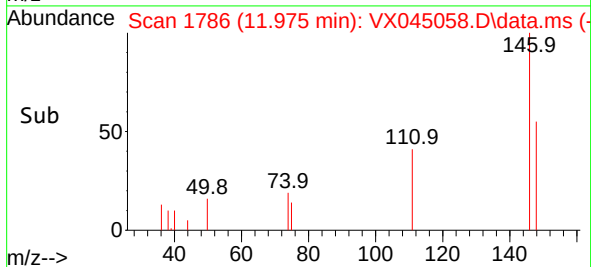
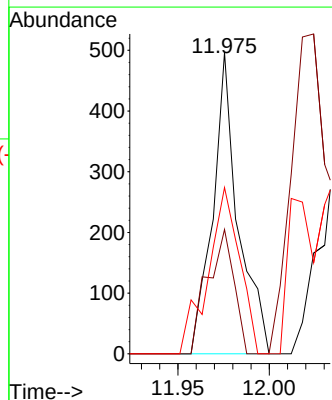
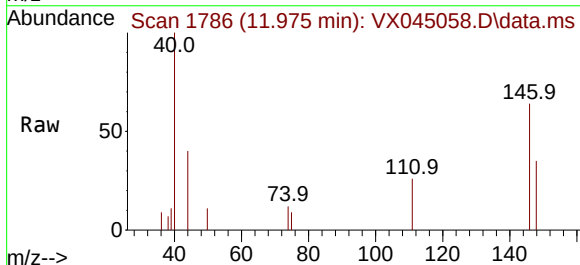
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

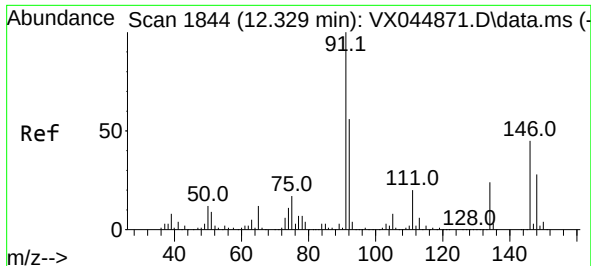
Tgt Ion:146 Resp: 477
Ion Ratio Lower Upper
146 100
111 43.4 21.2 63.6
148 69.0 32.5 97.5



#88
1,4-Dichlorobenzene
Concen: 0.259 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

Tgt Ion:146 Resp: 477
Ion Ratio Lower Upper
146 100
111 43.4 20.4 61.3
148 69.0 32.0 96.0





#89

n-Butylbenzene

Concen: 0.219 ug/l

RT: 12.347 min Scan# 1847

Delta R.T. 0.019 min

Lab File: VX045058.D

Acq: 27 Feb 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

VX0227MBL01

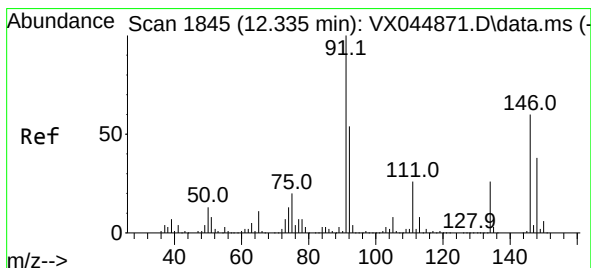
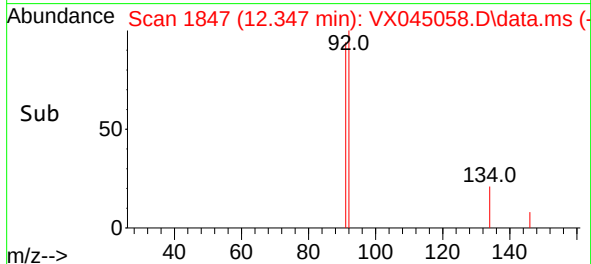
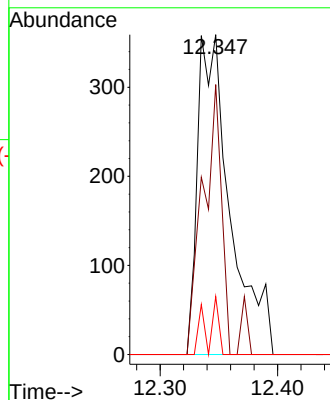
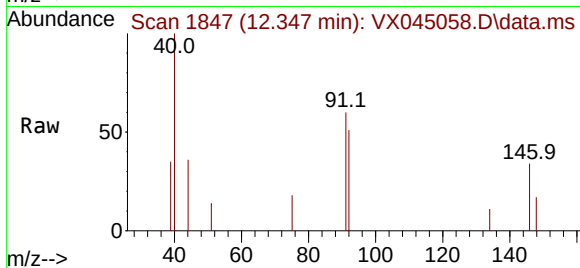
Tgt Ion: 91 Resp: 692

Ion Ratio Lower Upper

91 100

92 48.3 27.2 81.6

134 2.9 12.1 36.3#



#91

1,2-Dichlorobenzene

Concen: 0.207 ug/l

RT: 12.347 min Scan# 1847

Delta R.T. 0.013 min

Lab File: VX045058.D

Acq: 27 Feb 2025 13:01

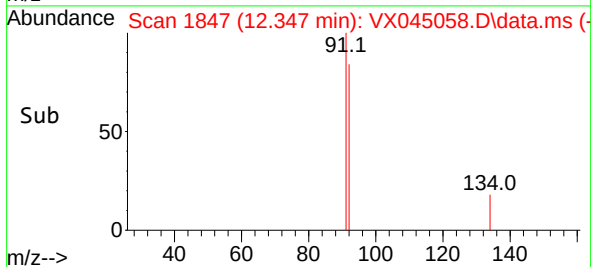
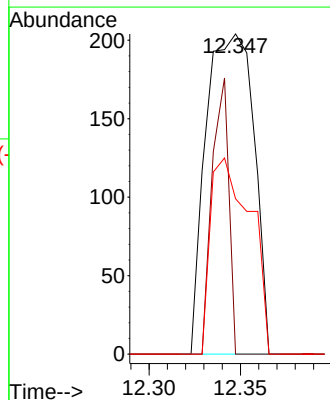
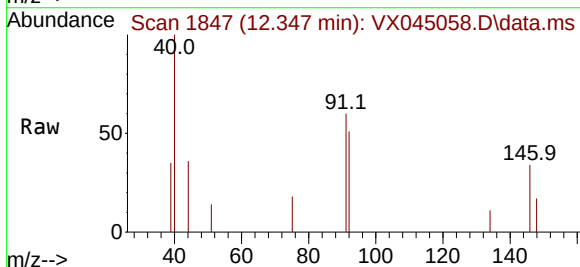
Tgt Ion:146 Resp: 371

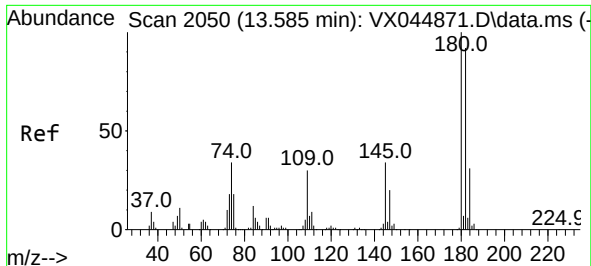
Ion Ratio Lower Upper

146 100

111 30.2 21.8 65.4

148 51.5 31.9 95.9

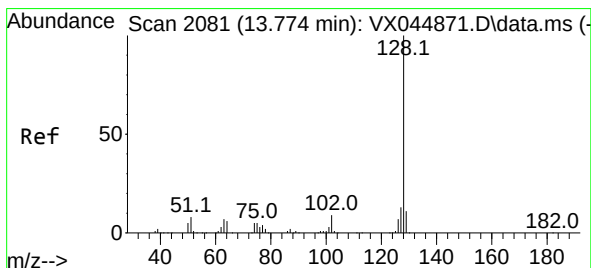
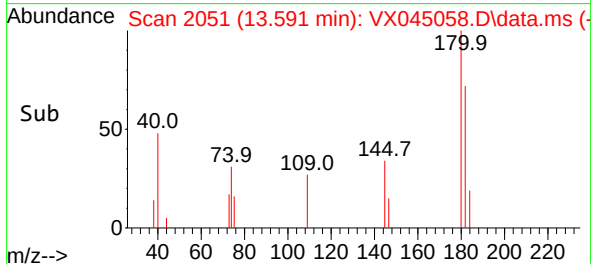
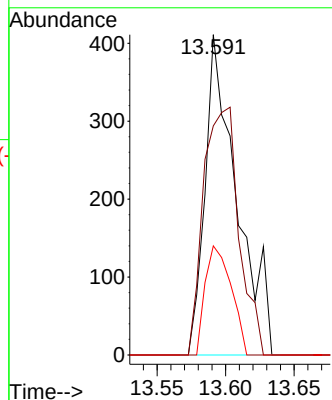
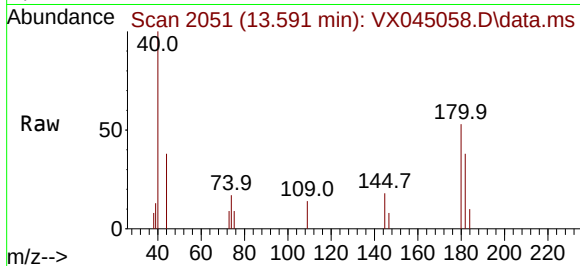




#93
1,2,4-Trichlorobenzene
Concen: 0.611 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

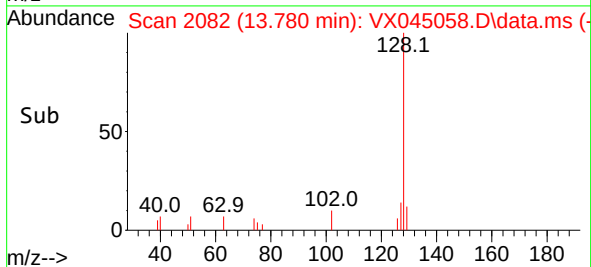
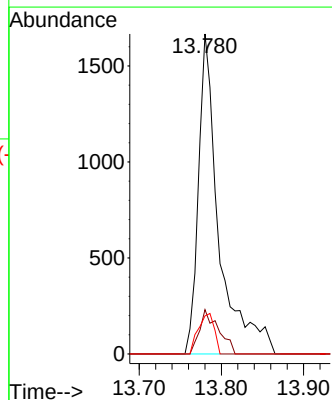
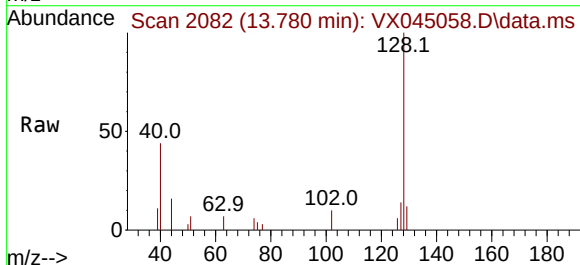
Instrument :
MSVOA_X
ClientSampleId :
VX0227MBL01

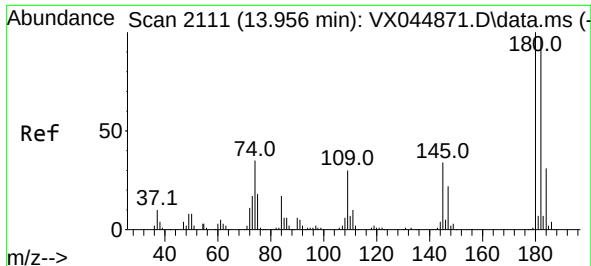
Tgt Ion:180 Resp: 662
Ion Ratio Lower Upper
180 100
182 86.1 47.6 142.8
145 27.9 16.4 49.1



#95
Naphthalene
Concen: 0.738 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045058.D
Acq: 27 Feb 2025 13:01

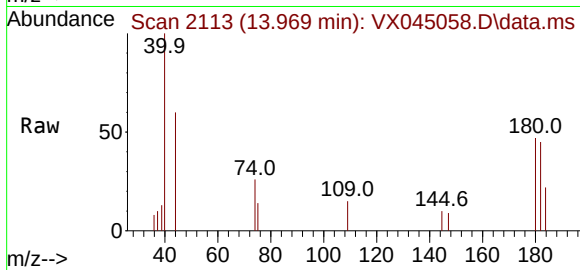
Tgt Ion:128 Resp: 2891
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 9.8 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.457 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.013 min
 Lab File: VX045058.D
 Acq: 27 Feb 2025 13:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227MBL01



Tgt Ion:	180	Resp:	499
Ion	Ratio	Lower	Upper
180	100		
182	120.0	47.9	143.6
145	36.5	17.1	51.3

