

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046587.D
 Acq On : 10 Jun 2025 09:36
 Operator : JC/MD
 Sample : VX0610MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610MBL01

Quant Time: Jun 11 01:41:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

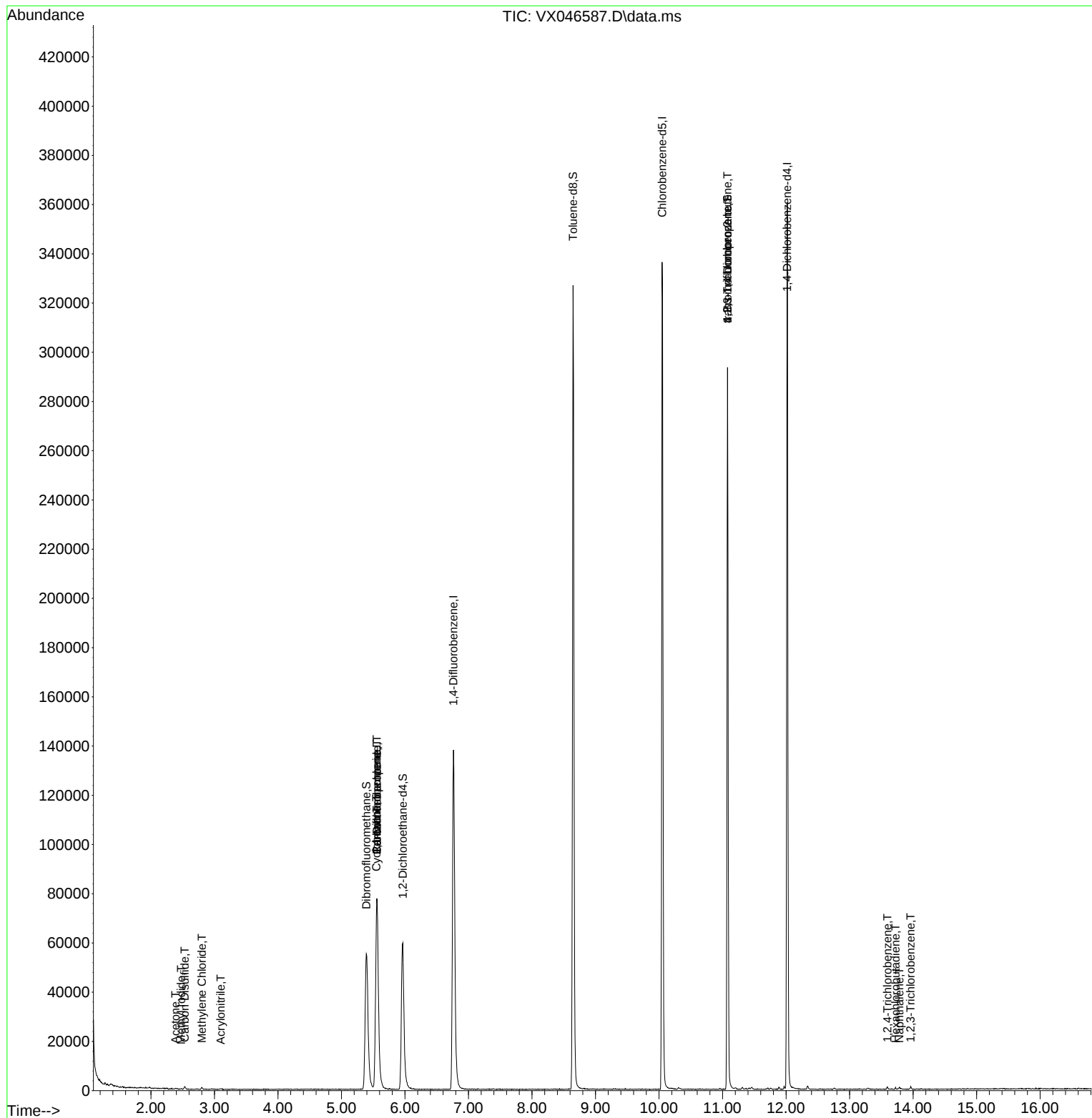
Internal Standards						
1) Pentafluorobenzene	5.556	168	74502	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	143745	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	149321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65097	49.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.220%			
35) Dibromofluoromethane	5.391	113	54195	51.268	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.647	98	191383	54.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.820%			
62) 4-Bromofluorobenzene	11.079	95	77753	53.922	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.840%			
Target Compounds						Qvalue
10) Methyl Iodide	2.477	142	264	0.249	ug/l #	44
15) Acrylonitrile	3.099	53	151	0.272	ug/l #	66
16) Acetone	2.386	43	495	5.528	ug/l #	48
17) Carbon Disulfide	2.532	76	841	0.648	ug/l #	76
20) Methylene Chloride	2.800	84	298	0.280	ug/l #	66
31) Cyclohexane	5.550	56	1939	1.258	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	6649	4.403	ug/l #	51
38) Carbon Tetrachloride	5.556	117	8374	4.951	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	42034	28.550	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	42034	82.355	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	412	0.254	ug/l #	88
94) Hexachlorobutadiene	13.725	225	174	0.231	ug/l	72
95) Naphthalene	13.786	128	1182	0.230	ug/l #	81
96) 1,2,3-Trichlorobenzene	13.963	180	414	0.255	ug/l	96

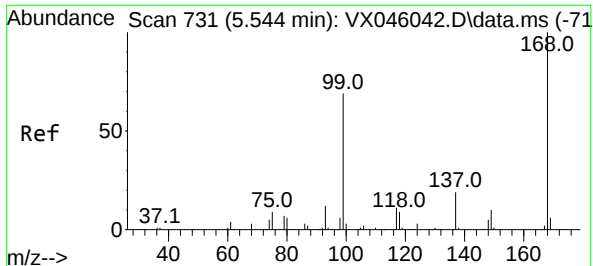
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 01:41:34 2025
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

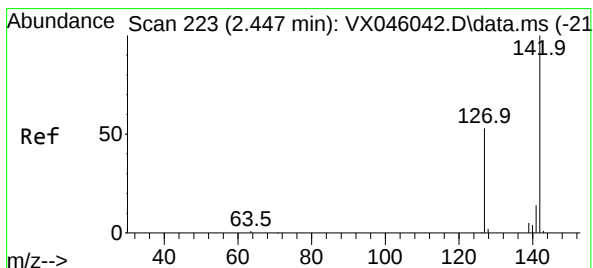
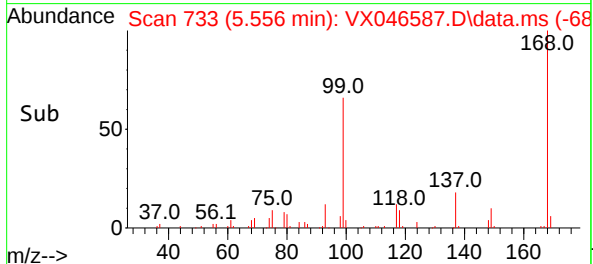
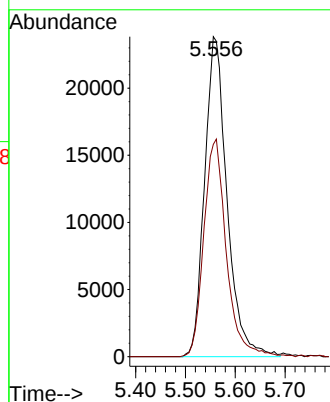
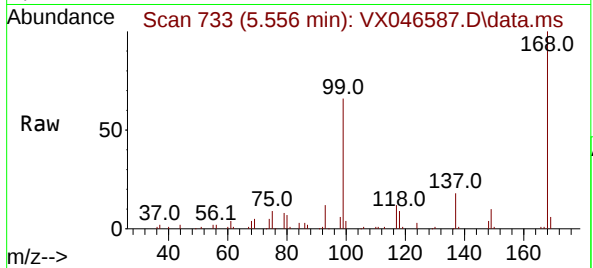




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

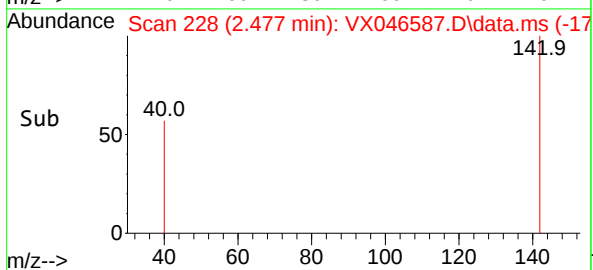
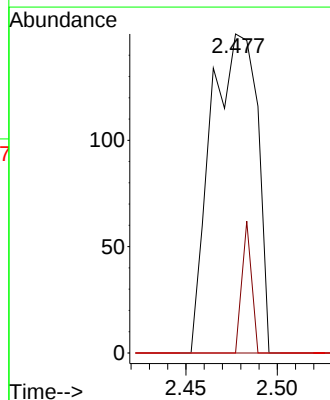
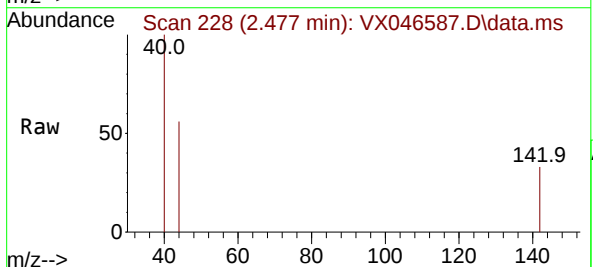
Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

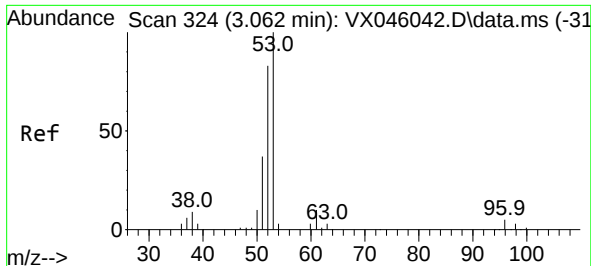
Tgt Ion:168 Resp: 74502
Ion Ratio Lower Upper
168 100
99 66.3 54.9 82.3



#10
Methyl Iodide
Concen: 0.249 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
127 8.7 41.7 62.5#
141 0.0 11.5 17.3#

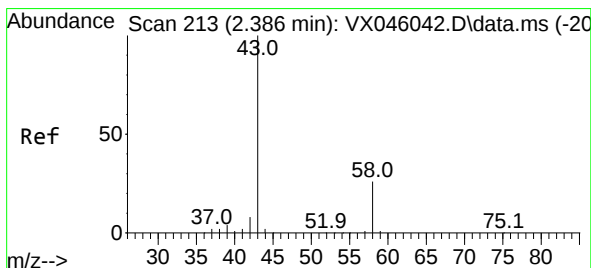
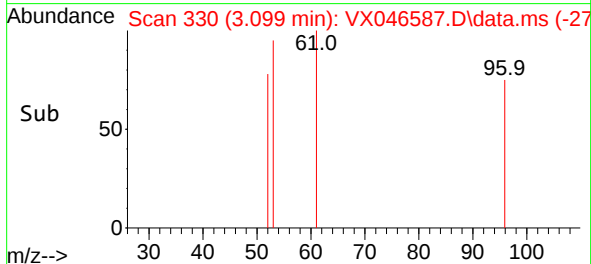
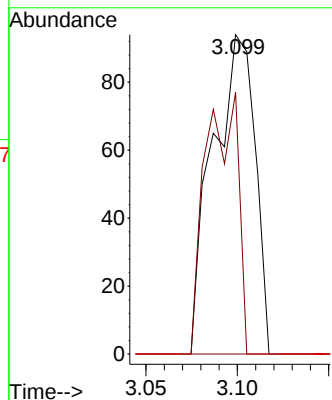
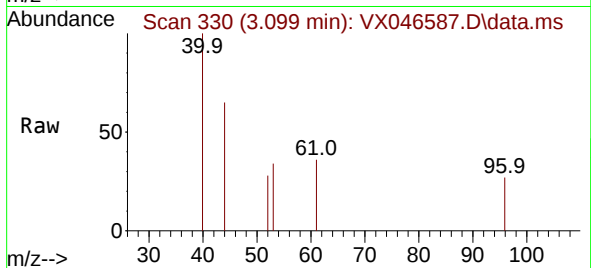




#15
Acrylonitrile
Concen: 0.272 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

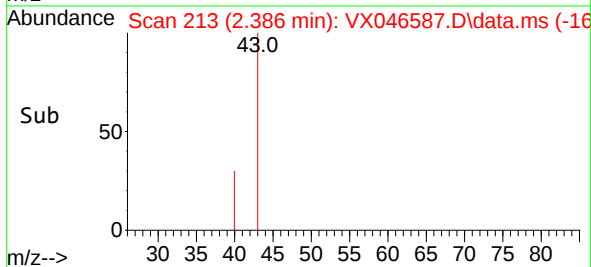
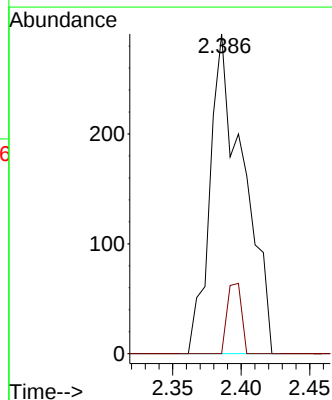
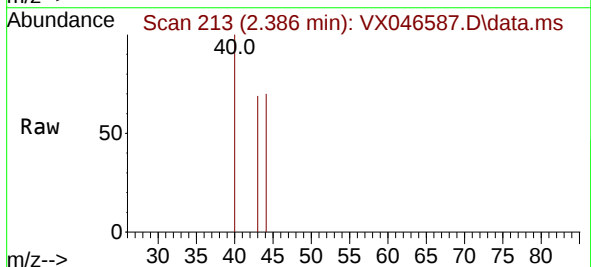
Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

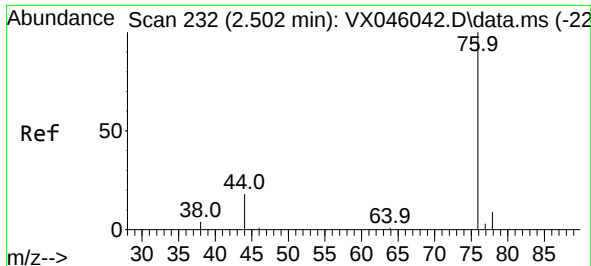
Tgt Ion: 53 Resp: 151
Ion Ratio Lower Upper
53 100
52 62.9 65.3 97.9#
51 0.0 29.8 44.8#



#16
Acetone
Concen: 5.528 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

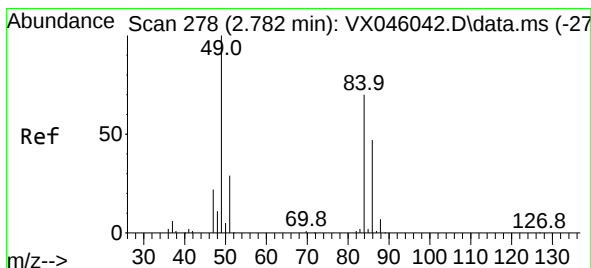
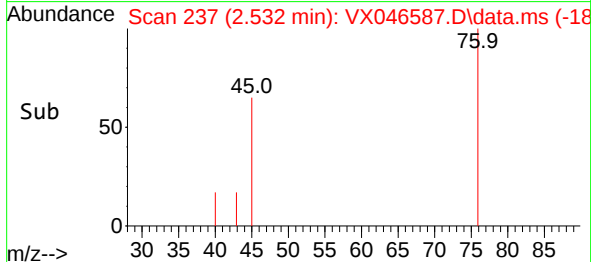
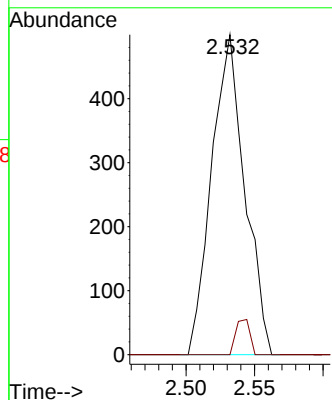
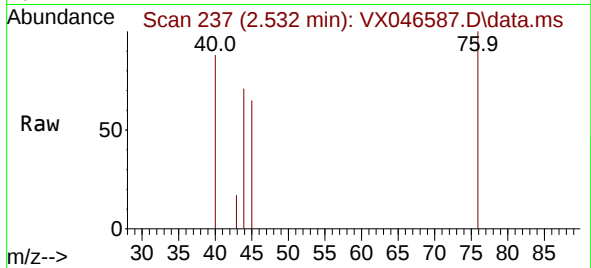




#17
Carbon Disulfide
Concen: 0.648 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

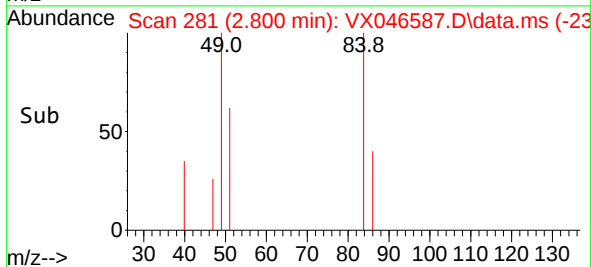
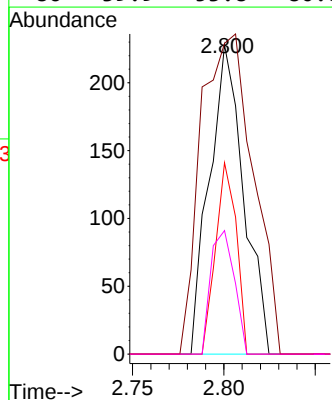
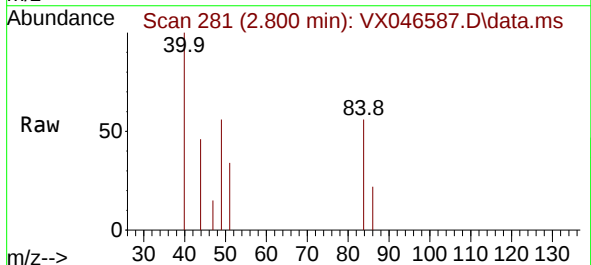
Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

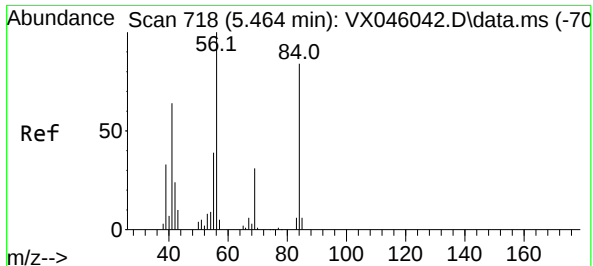
Tgt Ion: 76 Resp: 841
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

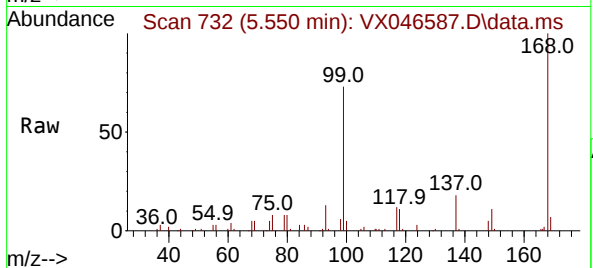
Tgt Ion: 84 Resp: 298
Ion Ratio Lower Upper
84 100
49 100.4 113.9 170.9#
51 61.8 33.5 50.3#
86 39.9 53.8 80.8#



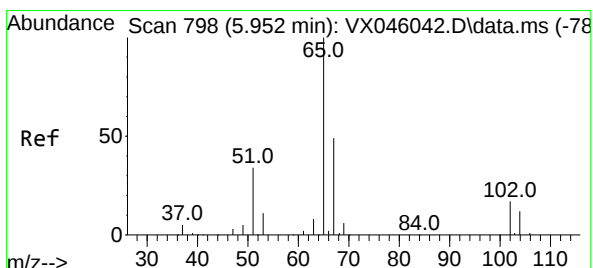
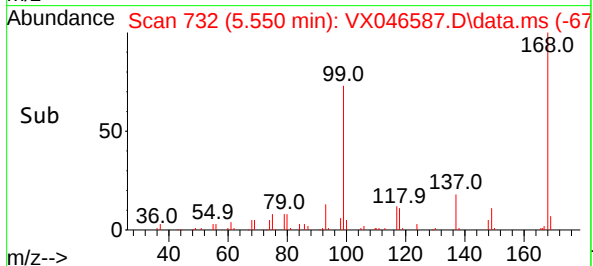
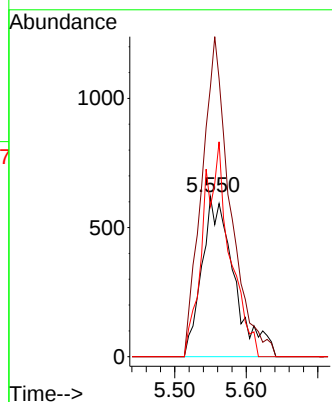


#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.061 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

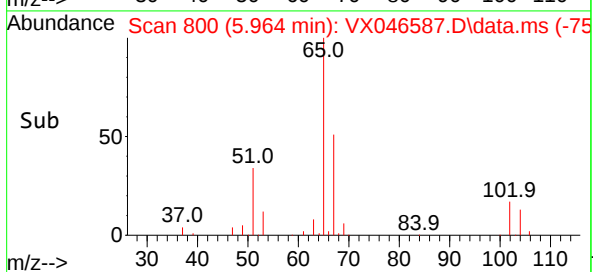
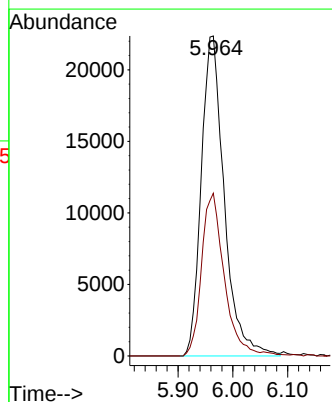
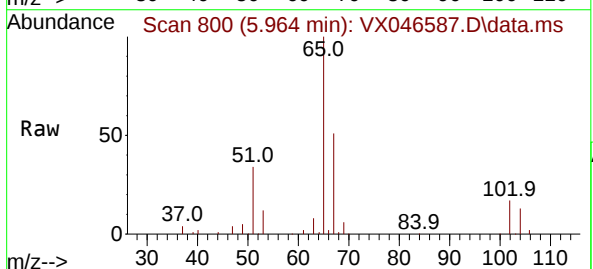


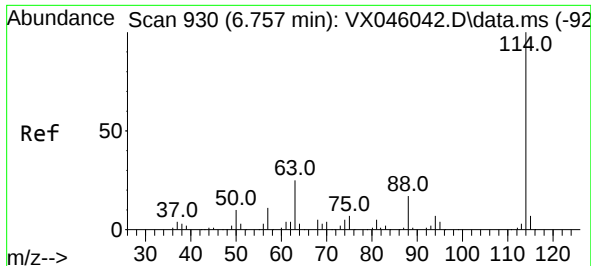
Tgt Ion: 56 Resp: 1939
Ion Ratio Lower Upper
56 100
69 169.0 24.4 36.6#
84 94.0 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 49.113 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion: 65 Resp: 65097
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.0

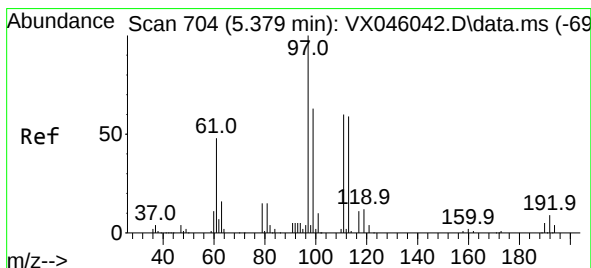
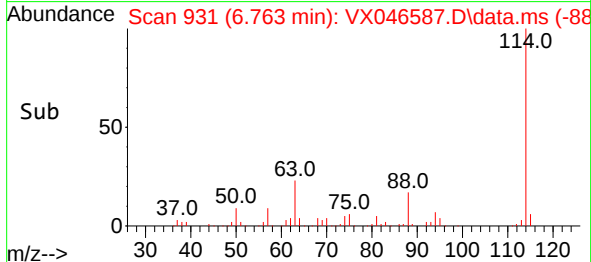
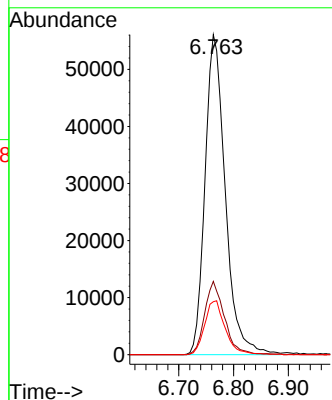
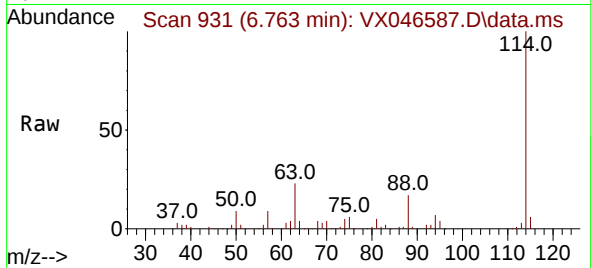




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

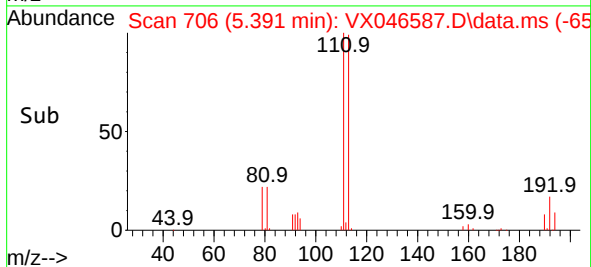
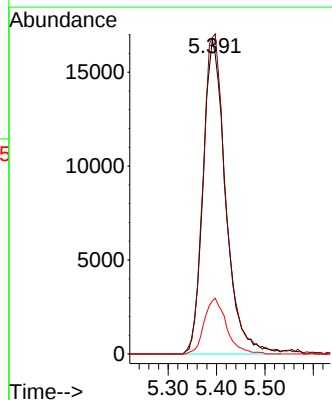
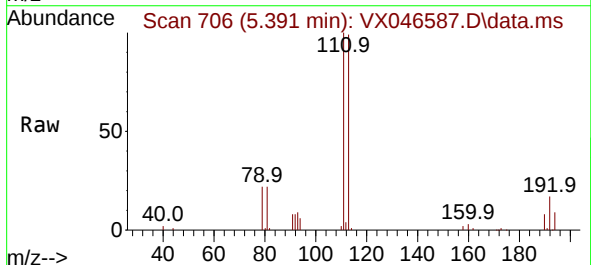
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ClientSampleId :
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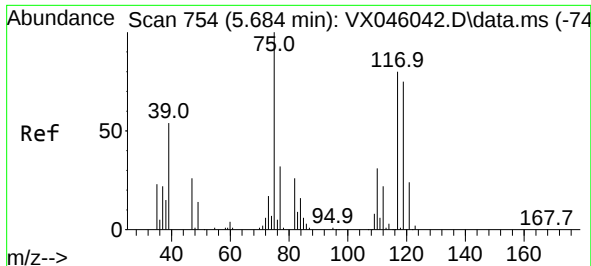
Tgt Ion:114 Resp: 143745
Ion Ratio Lower Upper
114 100
63 22.9 0.0 49.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.268 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.012 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion:113 Resp: 54195
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.5 13.3 19.9

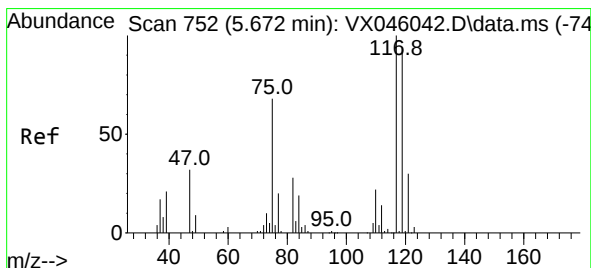
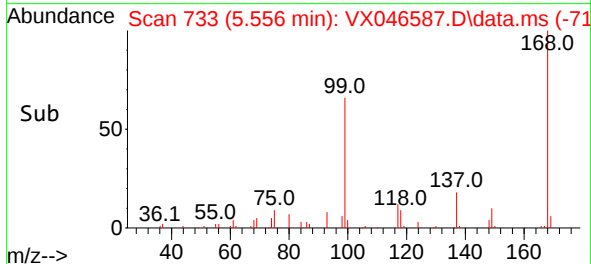
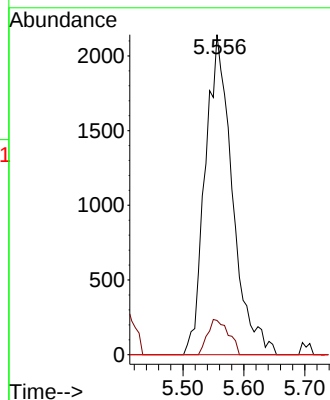
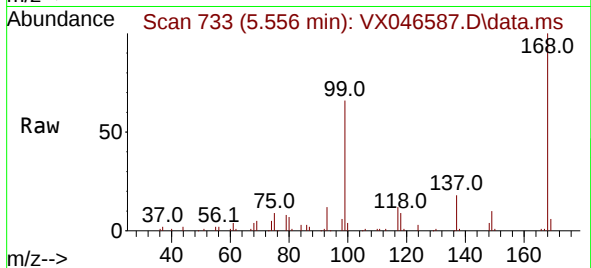




#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.158 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

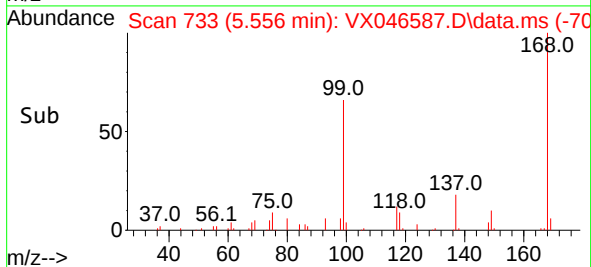
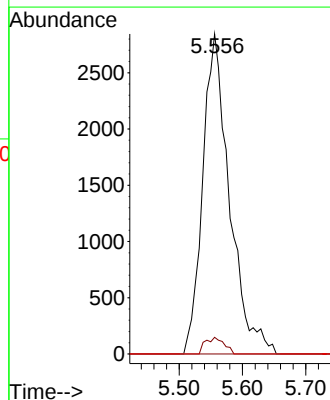
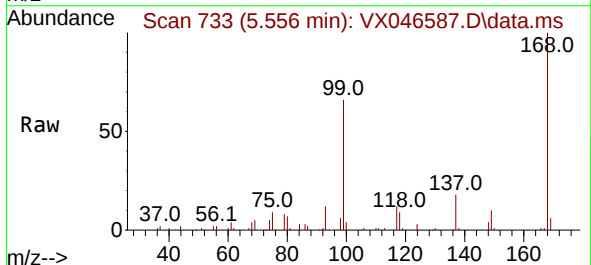
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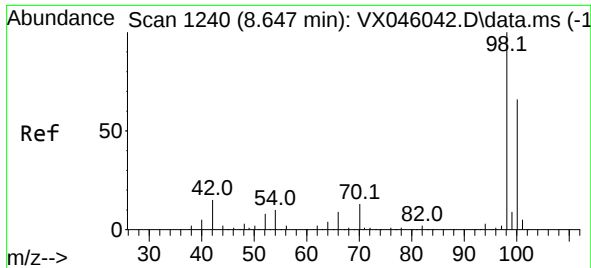
Tgt Ion: 75 Resp: 6649
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.951 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion: 117 Resp: 8374
Ion Ratio Lower Upper
117 100
119 5.2 75.2 112.8#
121 0.0 24.2 36.4#

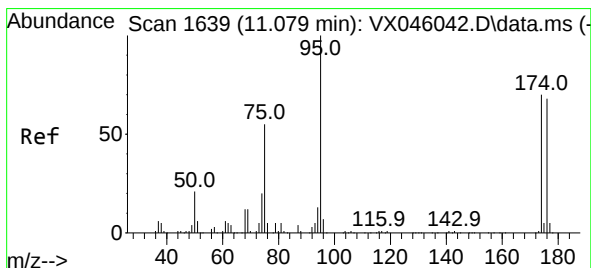
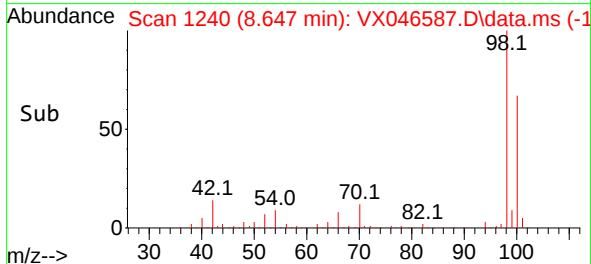
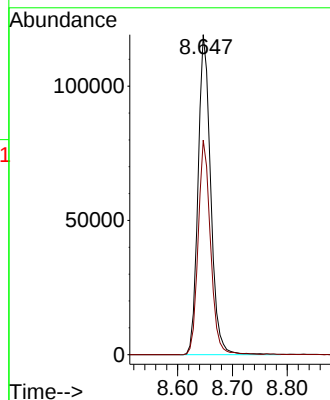
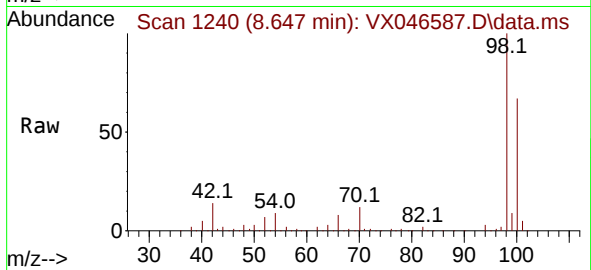




#50
Toluene-d8
Concen: 54.914 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

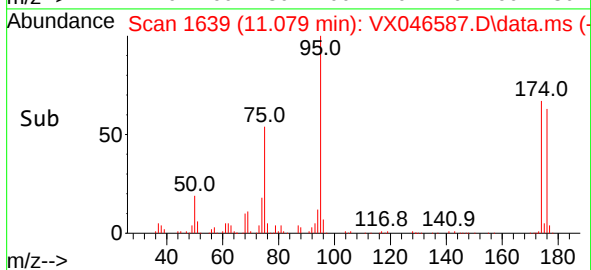
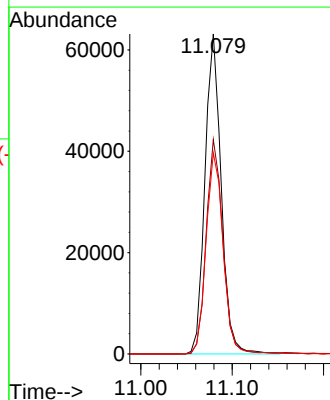
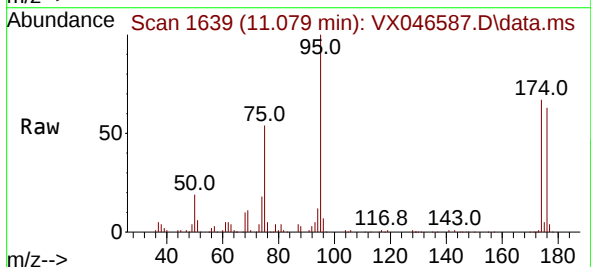
Instrument :
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VX0610MBL01

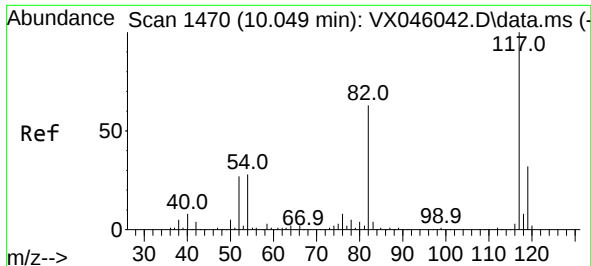
Tgt Ion: 98 Resp: 191383
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 53.922 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion: 95 Resp: 77753
Ion Ratio Lower Upper
95 100
174 69.1 0.0 135.8
176 66.4 0.0 131.4

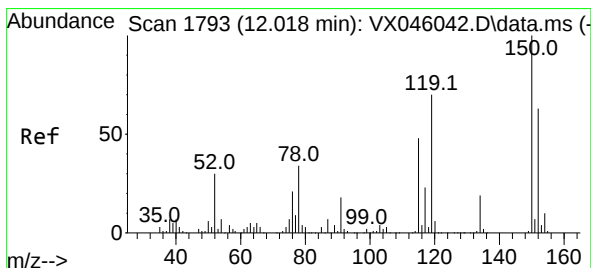
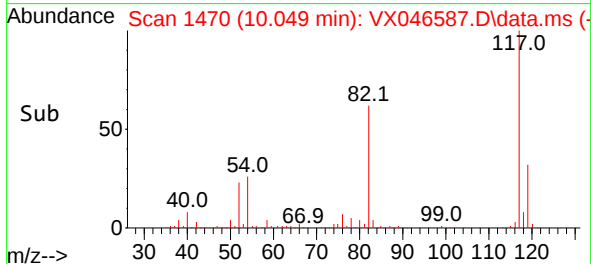
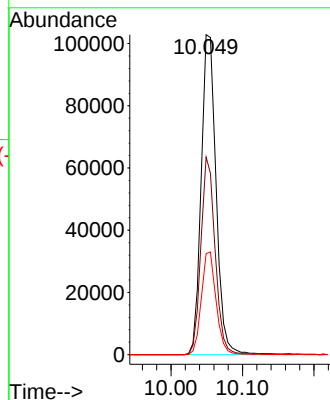
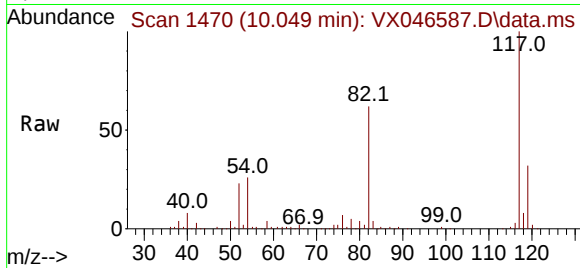




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

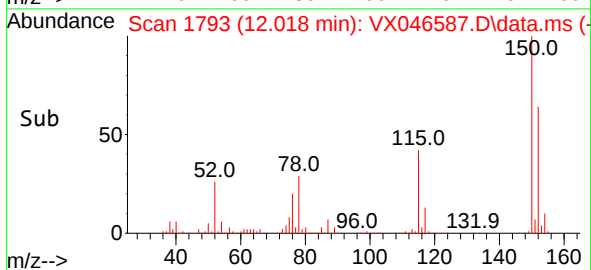
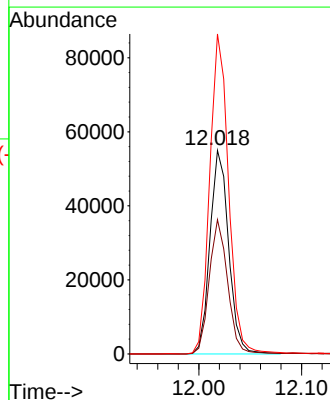
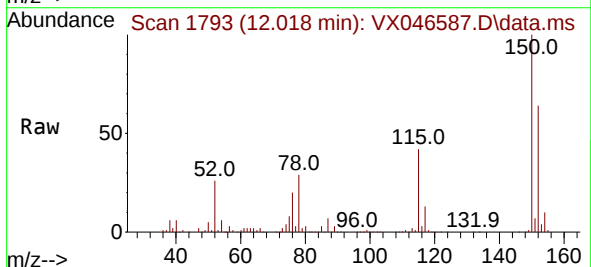
Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

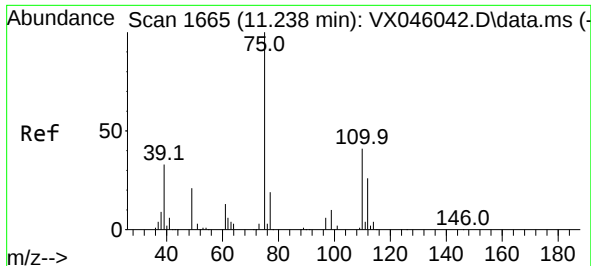
Tgt Ion:117 Resp: 149321
Ion Ratio Lower Upper
117 100
82 61.8 50.6 76.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion:152 Resp: 69510
Ion Ratio Lower Upper
152 100
115 65.2 46.9 140.7
150 158.4 0.0 351.0

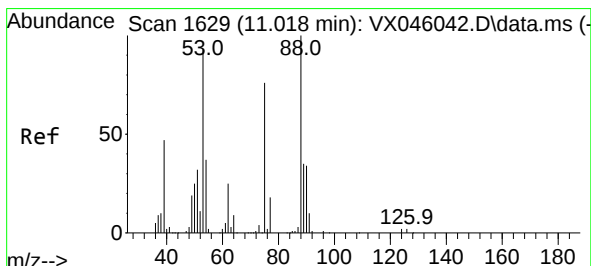
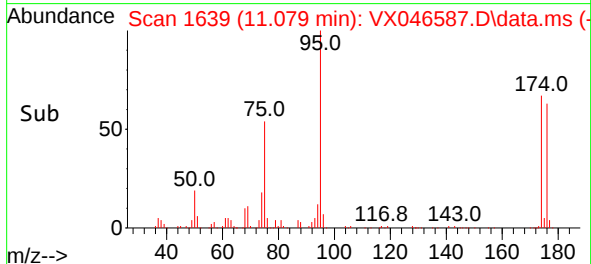
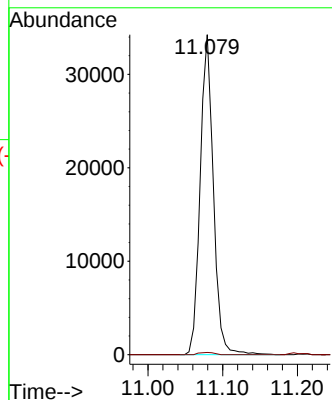
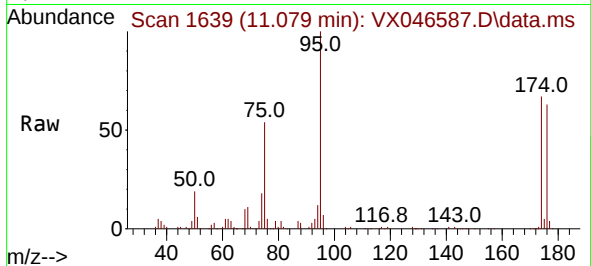




#76
1,2,3-Trichloropropane
Concen: 28.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

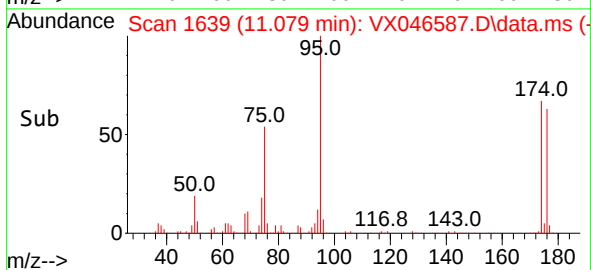
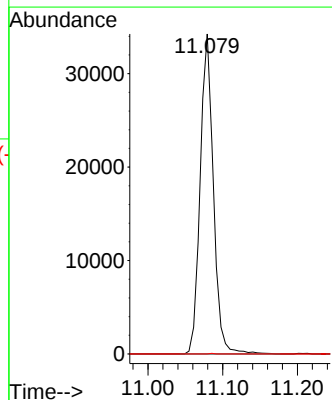
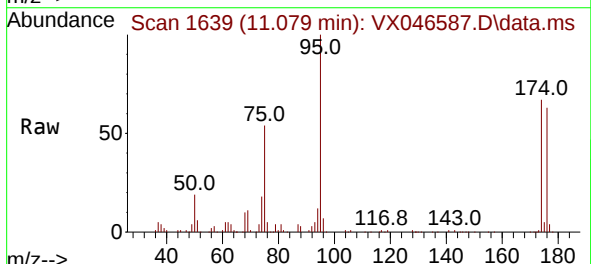
Instrument :
MSVOA_X
ClientSampleId :
VX0610MBL01

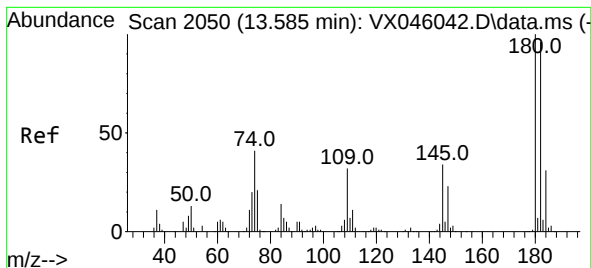
Tgt Ion: 75 Resp: 42034
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046587.D
Acq: 10 Jun 2025 09:36

Tgt Ion: 75 Resp: 42034
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046587.D

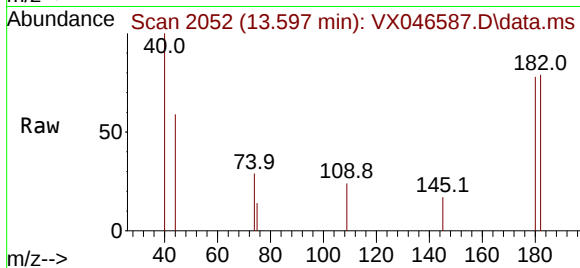
Acq: 10 Jun 2025 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0610MBL01



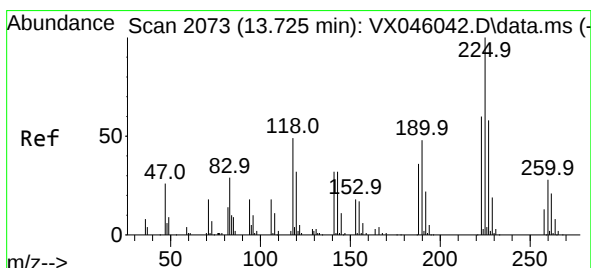
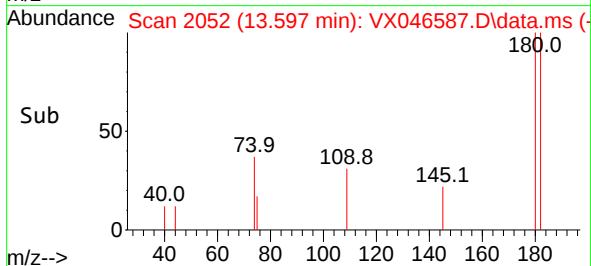
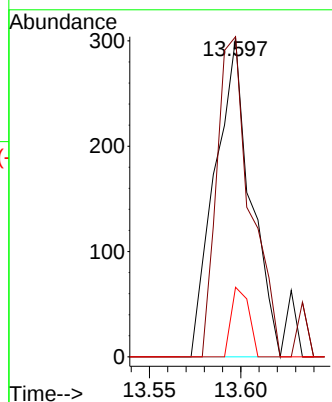
Tgt Ion:180 Resp: 412

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.8

145 10.7 17.1 51.2#



#94

Hexachlorobutadiene

Concen: 0.231 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX046587.D

Acq: 10 Jun 2025 09:36

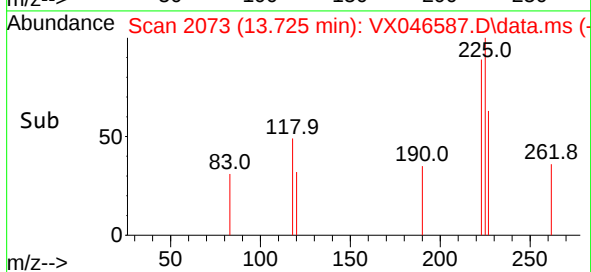
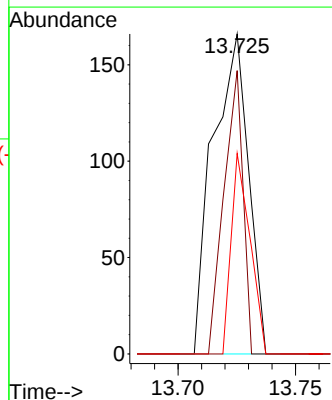
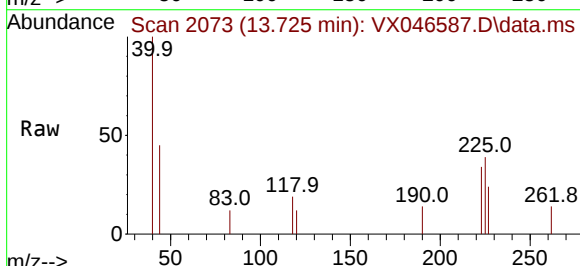
Tgt Ion:225 Resp: 174

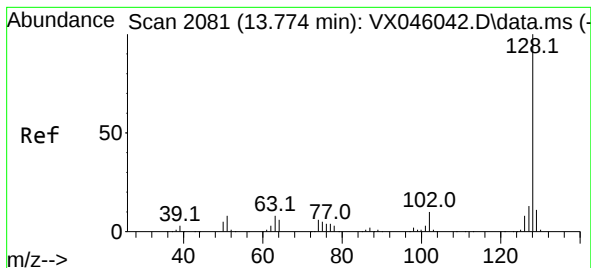
Ion Ratio Lower Upper

225 100

223 47.7 30.8 92.4

227 33.3 30.9 92.7





#95

Naphthalene

Concen: 0.230 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX046587.D

Acq: 10 Jun 2025 09:36

Instrument :

MSVOA_X

ClientSampleId :

VX0610MBL01

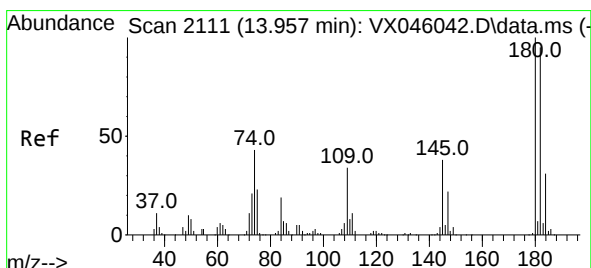
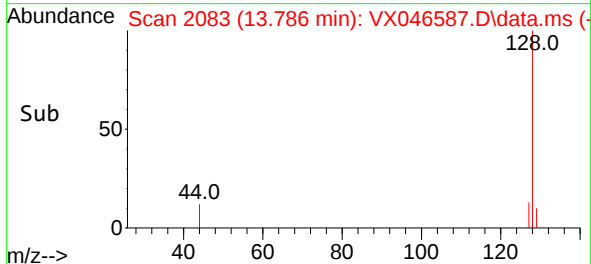
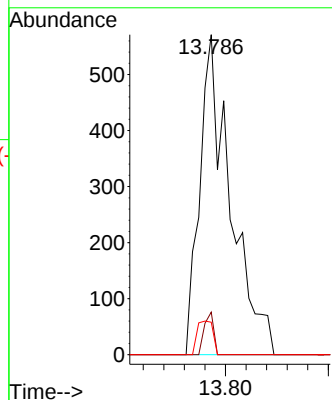
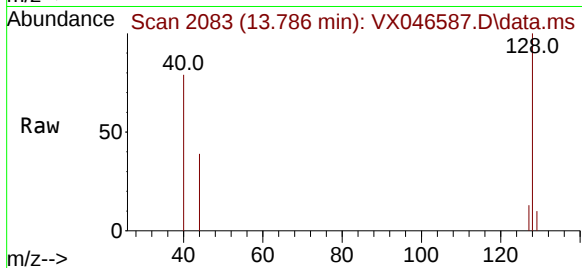
Tgt Ion:128 Resp: 1182

Ion Ratio Lower Upper

128 100

127 4.1 10.4 15.6#

129 5.4 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.255 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046587.D

Acq: 10 Jun 2025 09:36

Tgt Ion:180 Resp: 414

Ion Ratio Lower Upper

180 100

182 97.6 47.8 143.3

145 31.6 18.1 54.3

