

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046934.D
 Acq On : 10 Jul 2025 10:22
 Operator : JC/MD
 Sample : VX0710MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

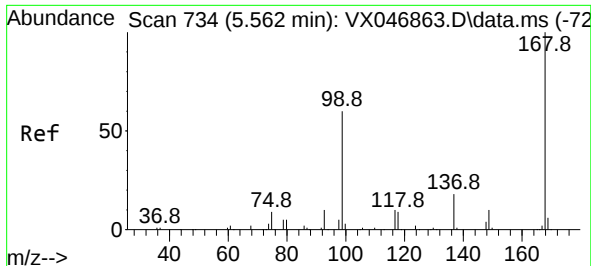
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

Quant Time: Jul 11 01:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

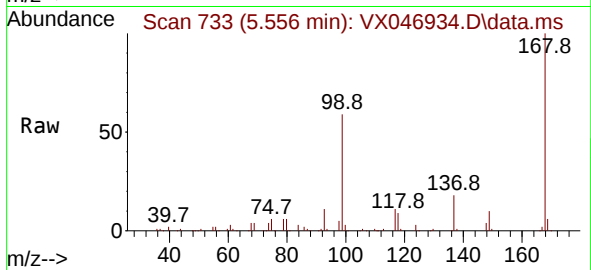
Internal Standards						
1) Pentafluorobenzene	5.556	168	220827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	390309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	178141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150620	51.629	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.260%			
35) Dibromofluoromethane	5.391	113	128040	48.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.660%			
50) Toluene-d8	8.647	98	463264	49.559	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.120%			
62) 4-Bromofluorobenzene	11.079	95	174712	49.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.360%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	1077	0.667	ug/l	82
10) Methyl Iodide	2.483	142	1977	0.733	ug/l #	90
13) Acrolein	2.245	56	232	3.920	ug/l #	73
15) Acrylonitrile	3.081	53	416	0.376	ug/l #	1
16) Acetone	2.367	43	757	0.835	ug/l #	42
17) Carbon Disulfide	2.532	76	6090	0.970	ug/l #	89
20) Methylene Chloride	2.806	84	3965	1.480	ug/l	97
21) trans-1,2-Dichloroethene	3.117	96	700	0.286	ug/l #	71
36) 1,1-Dichloropropene	5.550	75	16831	4.708	ug/l #	53
38) Carbon Tetrachloride	5.556	117	23045	6.098	ug/l #	16
68) m/p-Xylenes	10.311	106	1020	0.202	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	89077	32.362	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	89077	86.843	ug/l #	8
83) tert-Butylbenzene	11.713	119	2149	0.204	ug/l	93
85) sec-Butylbenzene	11.890	105	4012	0.303	ug/l	96
86) p-Isopropyltoluene	12.006	119	3430	0.309	ug/l #	75
87) 1,3-Dichlorobenzene	11.969	146	1686	0.289	ug/l	98
88) 1,4-Dichlorobenzene	11.969	146	1686	0.278	ug/l	96
89) n-Butylbenzene	12.335	91	5530	0.530	ug/l	98
90) Hexachloroethane	12.536	117	566	0.288	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	3077	0.801	ug/l	94
94) Hexachlorobutadiene	13.725	225	5800	4.005	ug/l	96
95) Naphthalene	13.780	128	4836	0.478	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	2509	0.691	ug/l	91

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

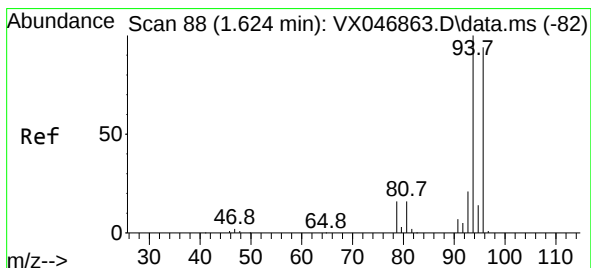
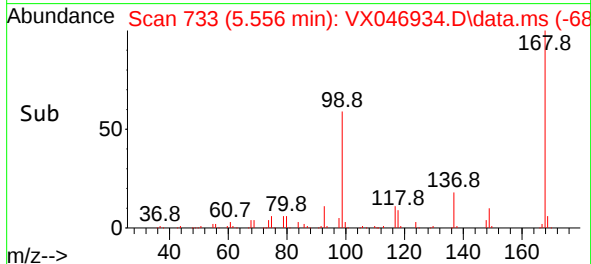
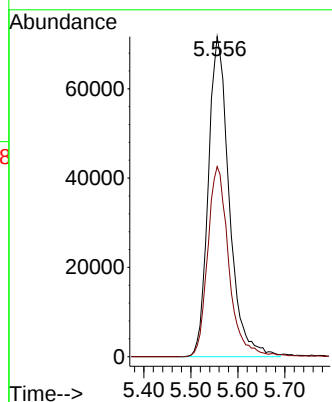


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

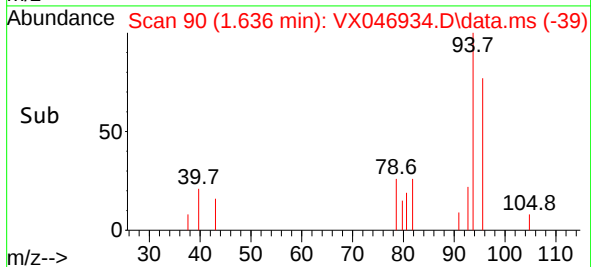
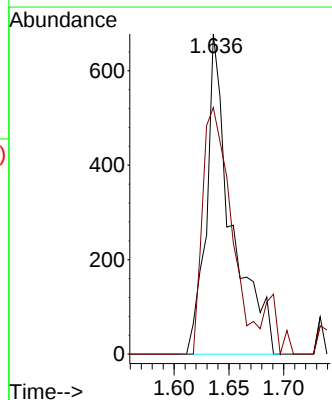
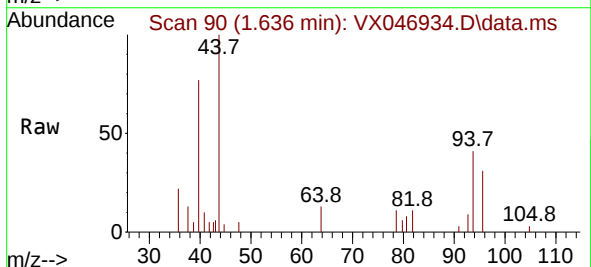


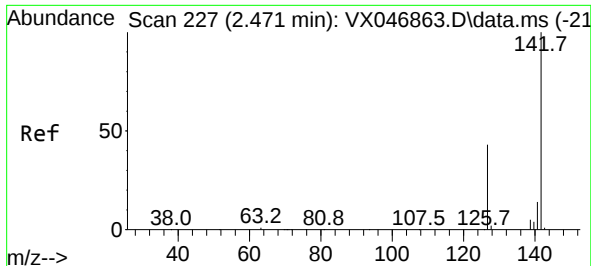
Tgt Ion:168 Resp: 220827
Ion Ratio Lower Upper
168 100
99 59.4 48.8 73.2



#5
Bromomethane
Concen: 0.667 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 94 Resp: 1077
Ion Ratio Lower Upper
94 100
96 77.0 75.5 113.3

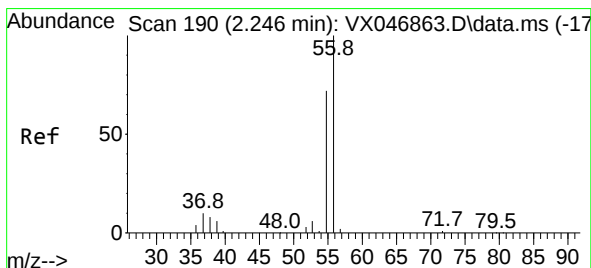
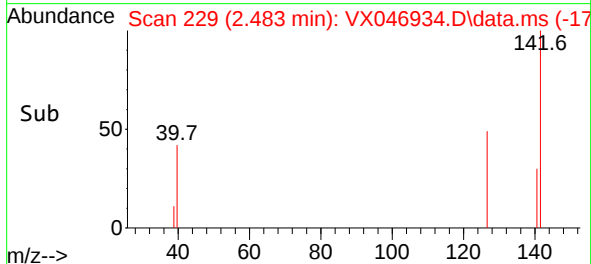
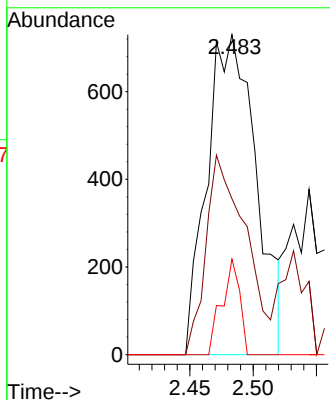
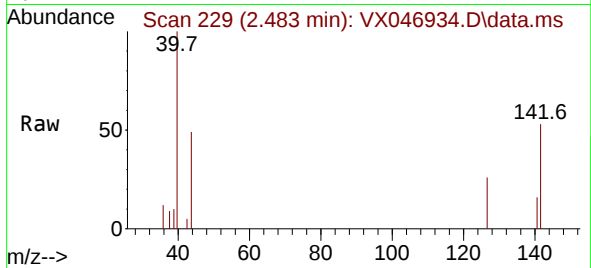




#10
Methyl Iodide
Concen: 0.733 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

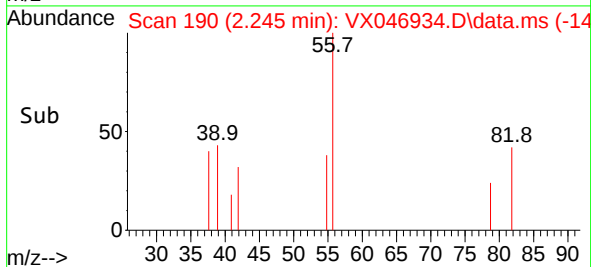
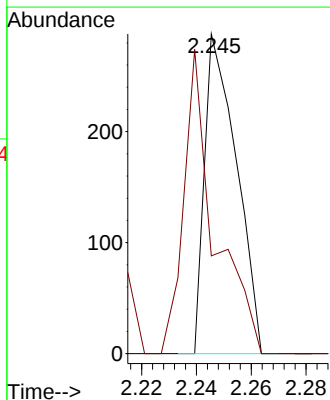
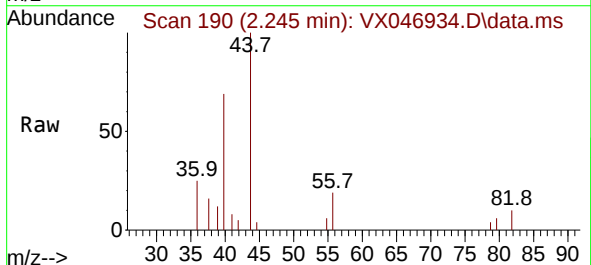
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

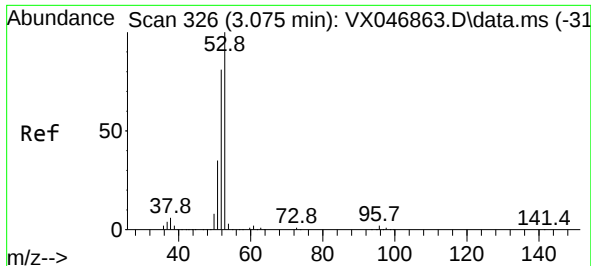
Tgt Ion:142 Resp: 1977
Ion Ratio Lower Upper
142 100
127 50.2 34.9 52.3
141 10.9 11.1 16.7#



#13
Acrolein
Concen: 3.920 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.001 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 91.4 55.5 83.3#





#15

Acrylonitrile

Concen: 0.376 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBL01

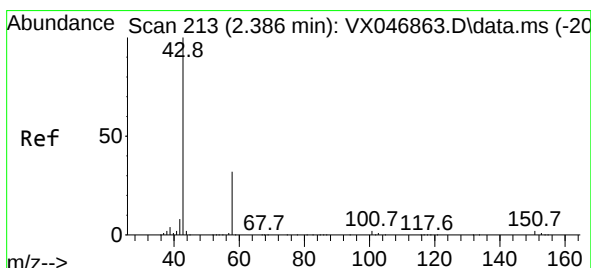
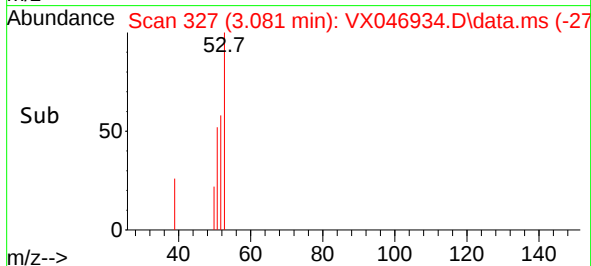
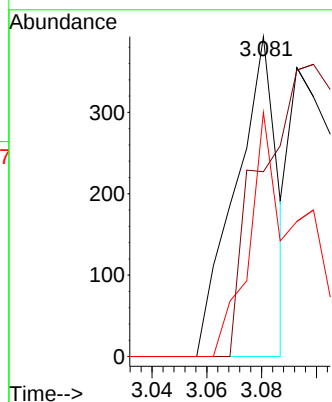
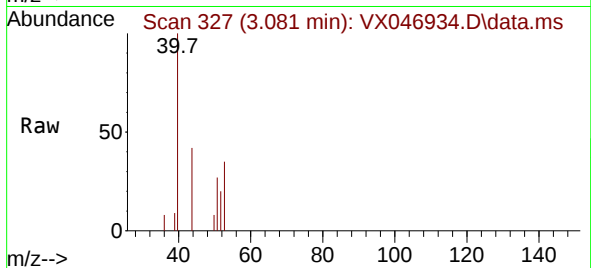
Tgt Ion: 53 Resp: 416

Ion Ratio Lower Upper

53 100

52 184.4 66.0 99.0#

51 104.8 28.6 43.0#



#16

Acetone

Concen: 0.835 ug/l

RT: 2.367 min Scan# 210

Delta R.T. -0.018 min

Lab File: VX046934.D

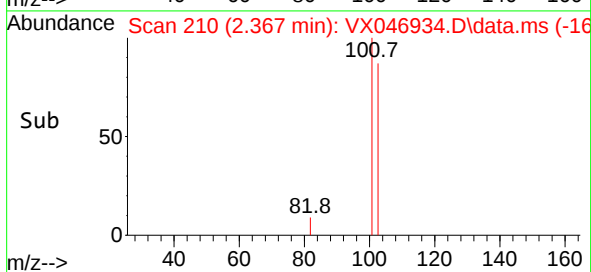
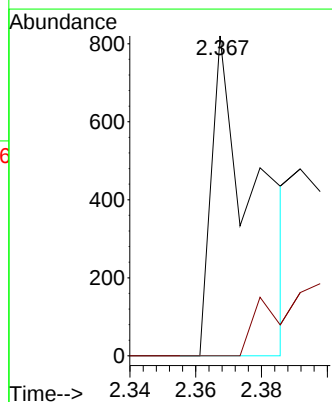
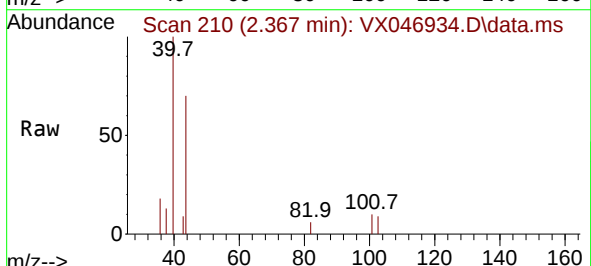
Acq: 10 Jul 2025 10:22

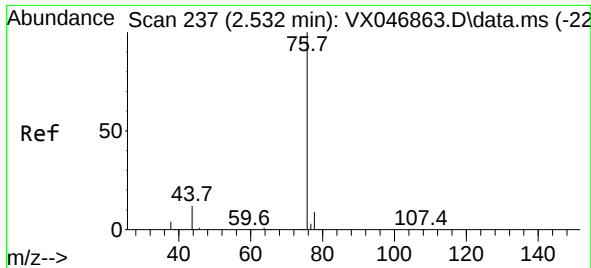
Tgt Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#

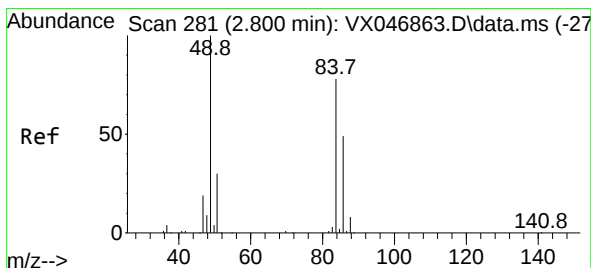
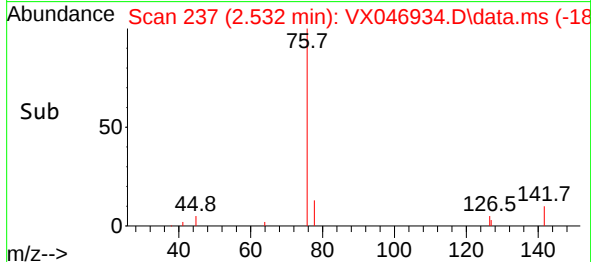
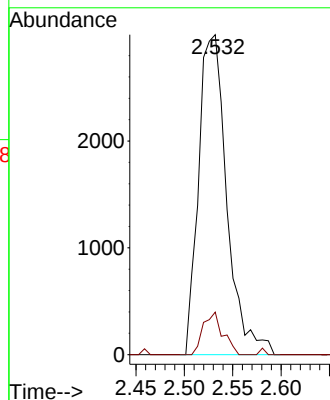
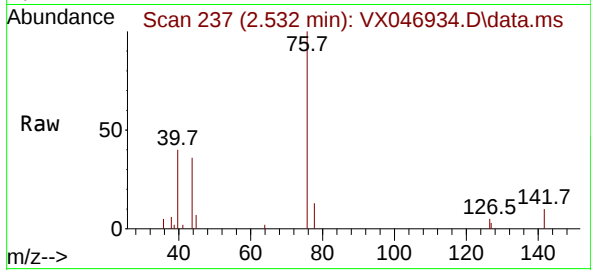




#17
Carbon Disulfide
Concen: 0.970 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

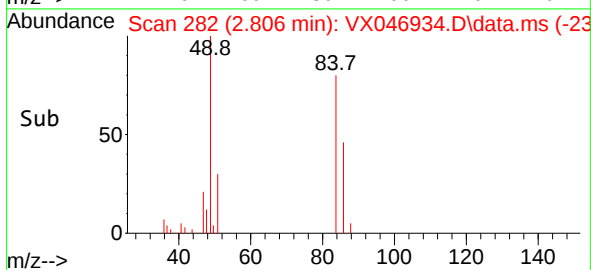
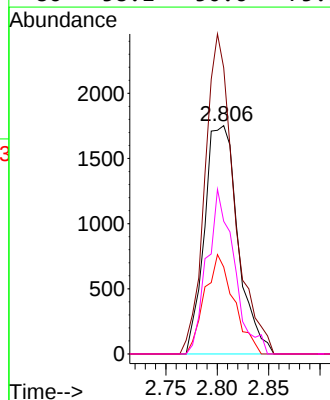
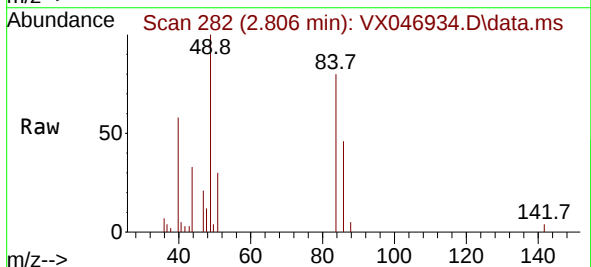
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

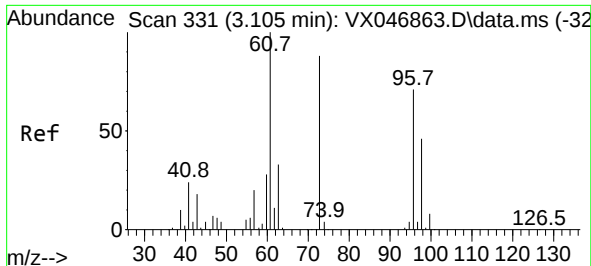
Tgt Ion: 76 Resp: 6090
Ion Ratio Lower Upper
76 100
78 13.3 7.4 11.2#



#20
Methylene Chloride
Concen: 1.480 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 84 Resp: 3965
Ion Ratio Lower Upper
84 100
49 129.9 102.8 154.2
51 38.1 31.1 46.7
86 58.1 50.6 75.8

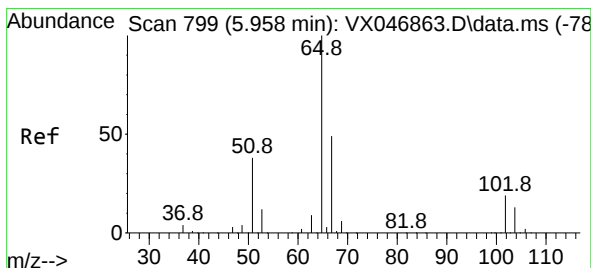
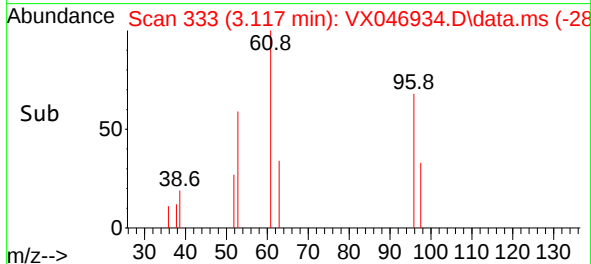
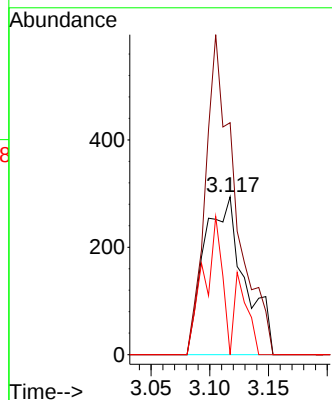
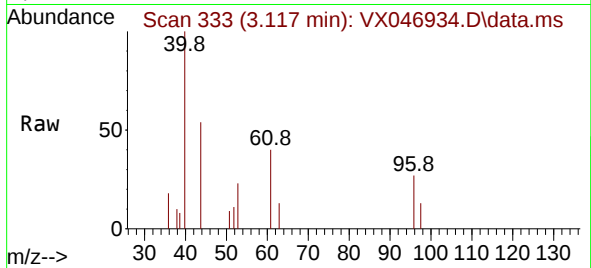




#21
trans-1,2-Dichloroethene
Concen: 0.286 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

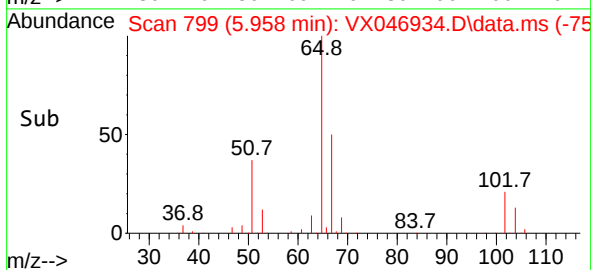
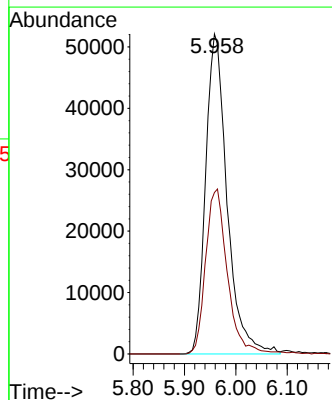
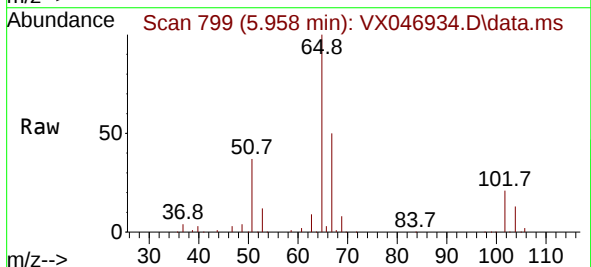
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

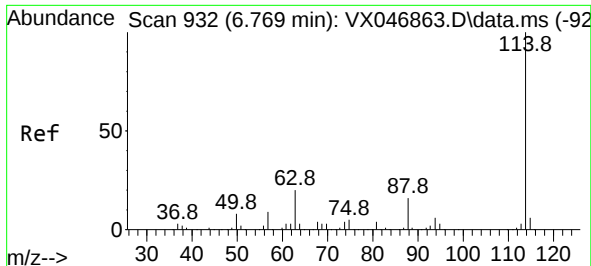
Tgt Ion: 96 Resp: 700
Ion Ratio Lower Upper
96 100
61 146.9 113.4 170.2
98 0.0 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 65 Resp: 150620
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2

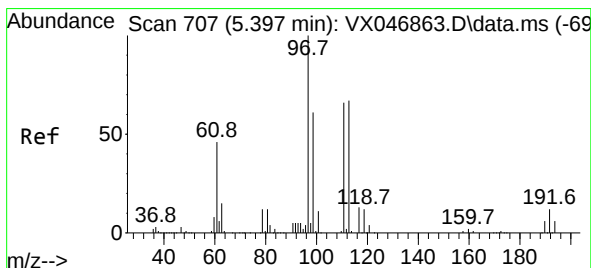
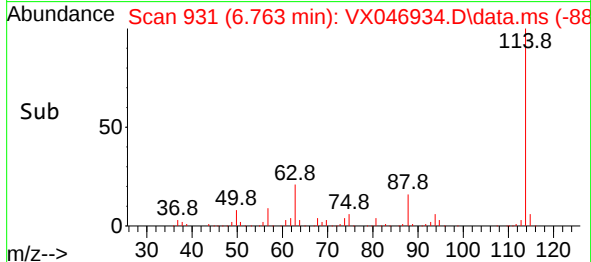
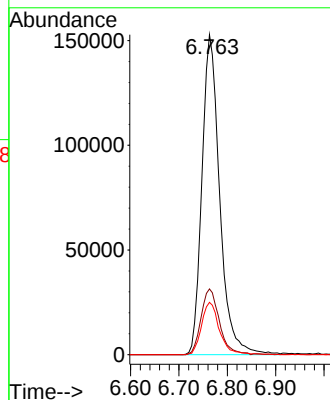
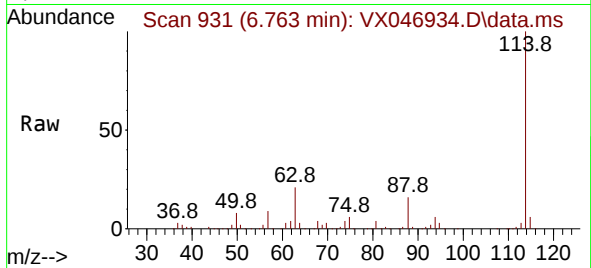




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

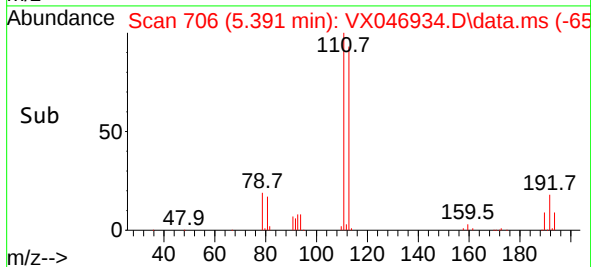
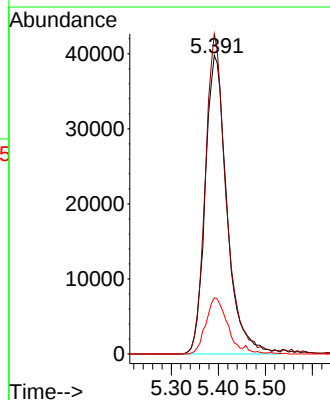
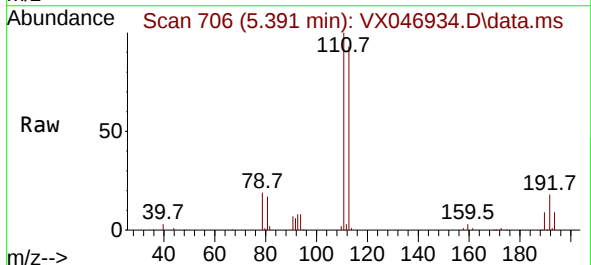
Instrument :
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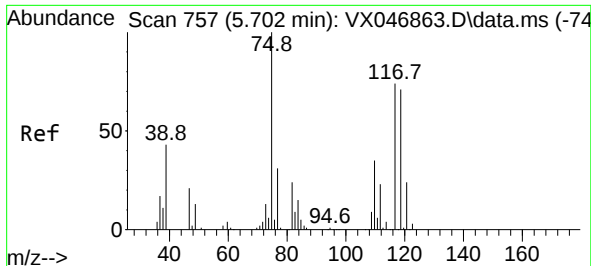
Tgt Ion:114 Resp: 390309
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 16.4 0.0 31.0



#35
Dibromofluoromethane
Concen: 48.327 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion:113 Resp: 128040
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 19.0 15.3 22.9

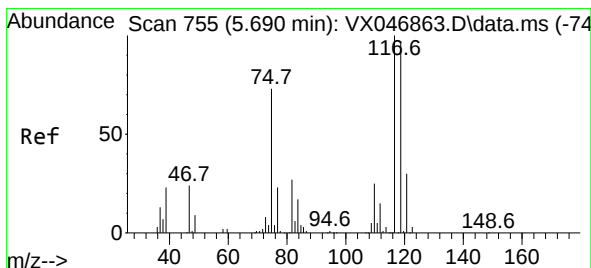
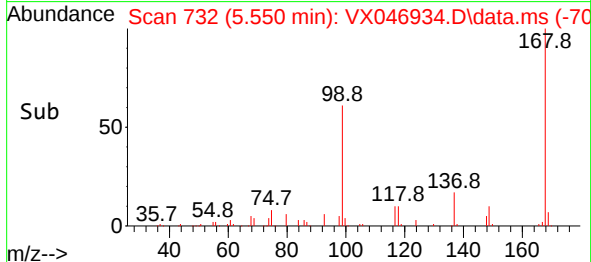
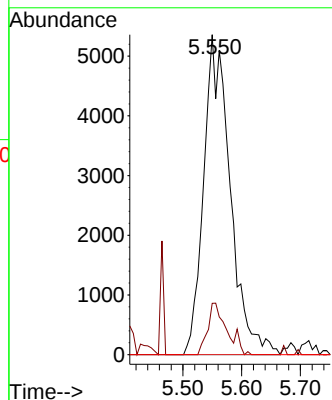
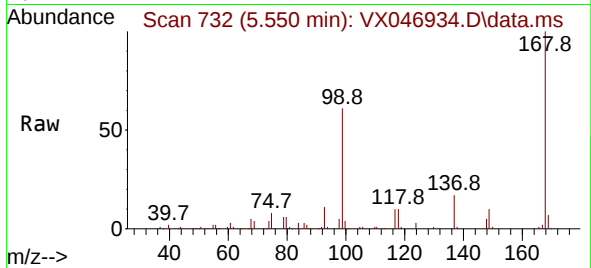




#36
1,1-Dichloropropene
Concen: 4.708 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.153 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

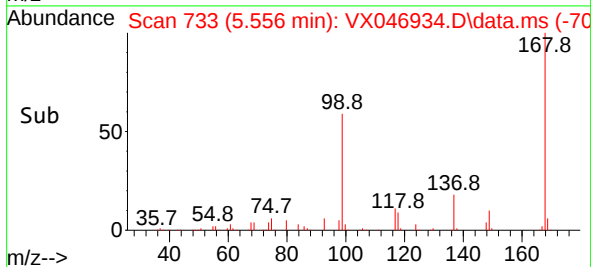
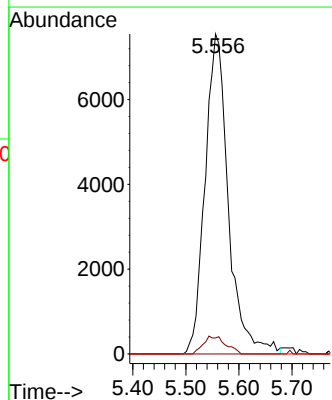
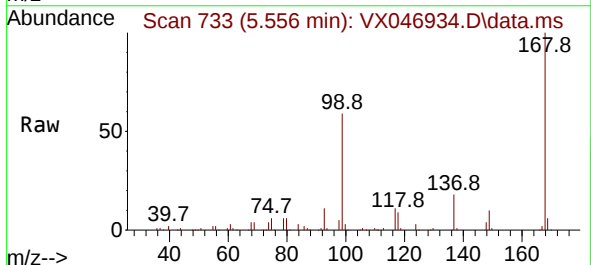
Instrument :
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ClientSampleId :
VX0710MBL01

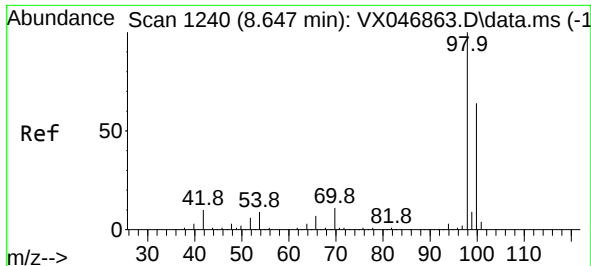
Tgt Ion: 75 Resp: 16831
Ion Ratio Lower Upper
75 100
110 11.6 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.098 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 117 Resp: 23045
Ion Ratio Lower Upper
117 100
119 5.0 76.6 114.8#
121 0.0 24.1 36.1#

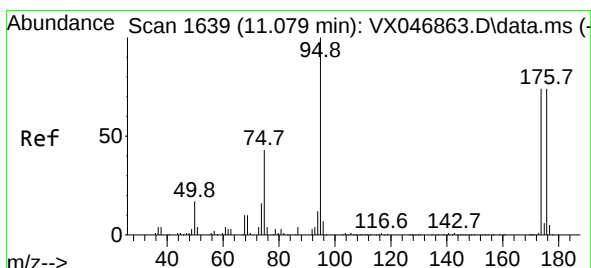
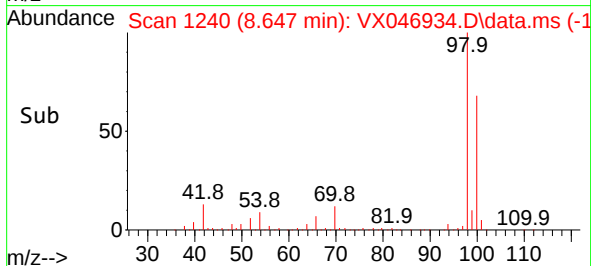
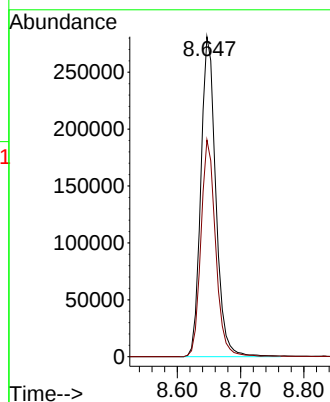
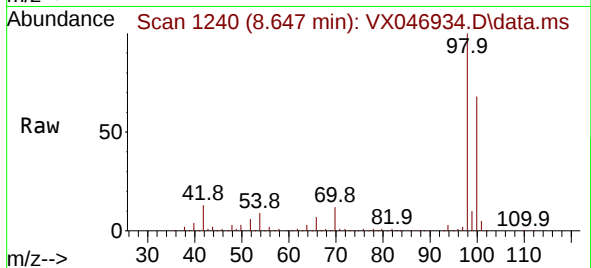




#50
Toluene-d8
Concen: 49.559 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

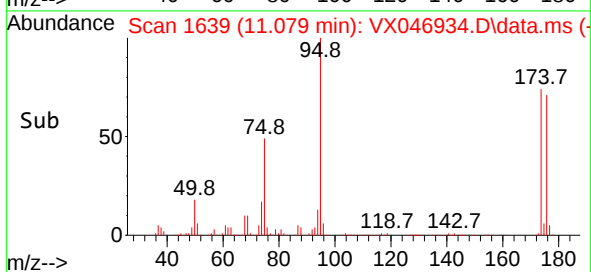
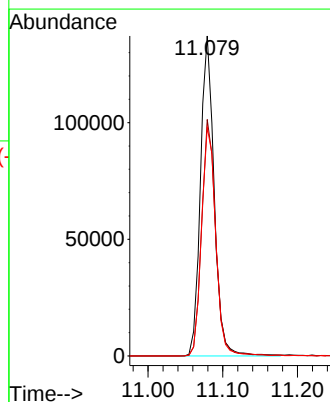
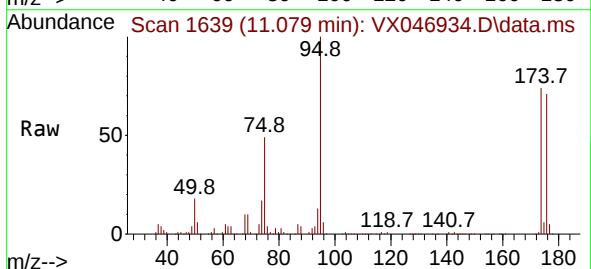
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

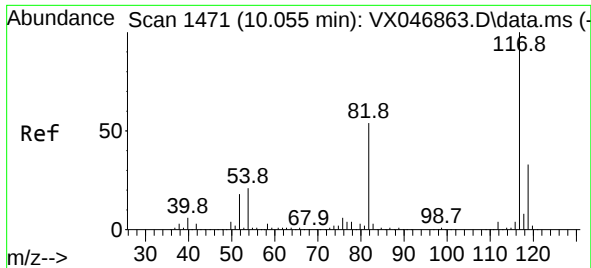
Tgt Ion: 98 Resp: 463264
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 95 Resp: 174712
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.0
176 74.3 0.0 145.2

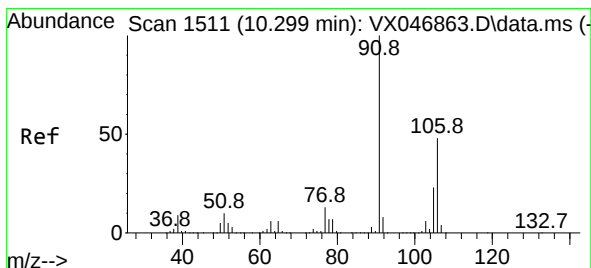
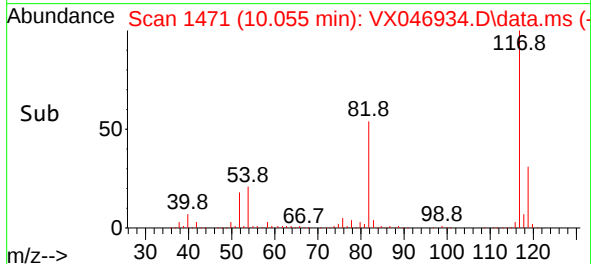
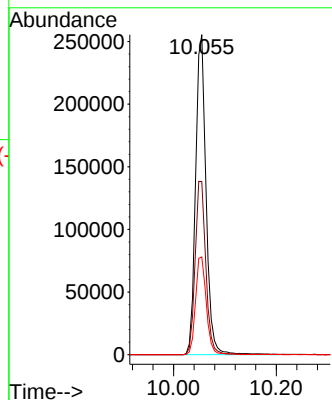
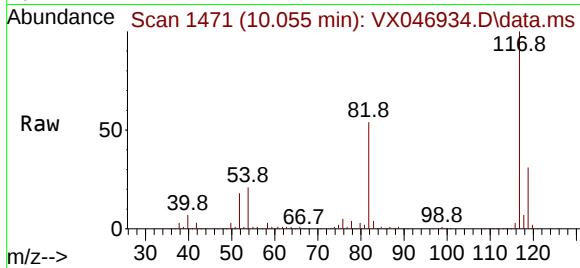




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

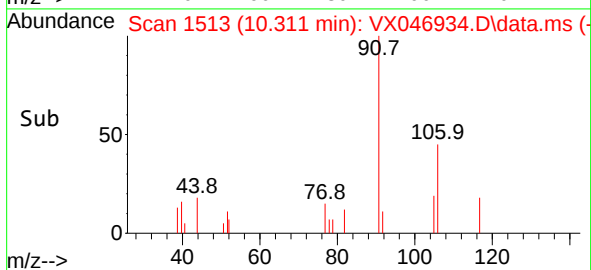
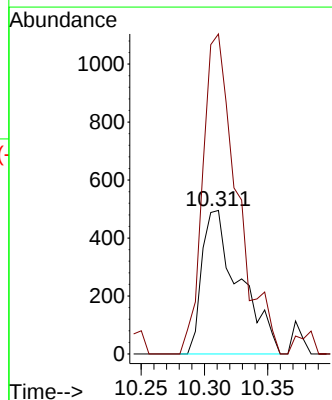
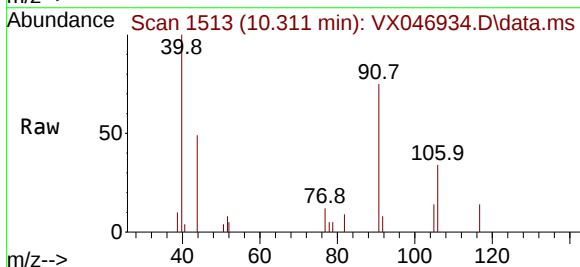
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

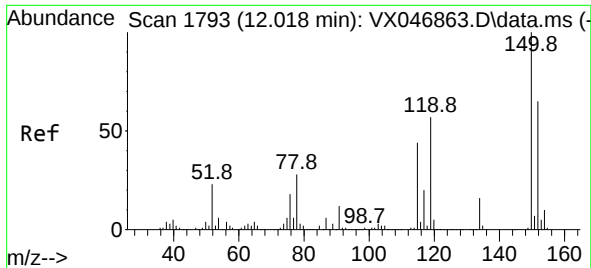
Tgt Ion:117 Resp: 362012
Ion Ratio Lower Upper
117 100
82 54.1 43.3 64.9
119 30.5 26.4 39.6



#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion:106 Resp: 1020
Ion Ratio Lower Upper
106 100
91 205.3 164.6 246.8

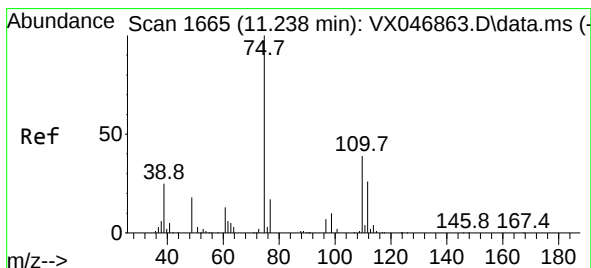
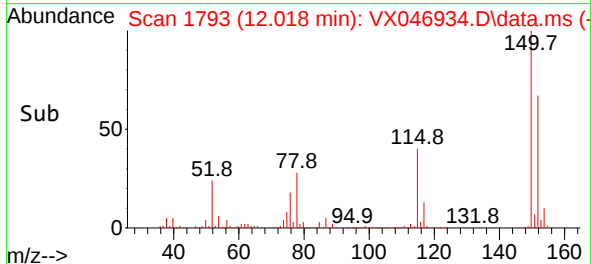
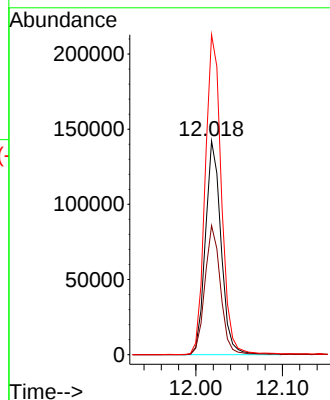
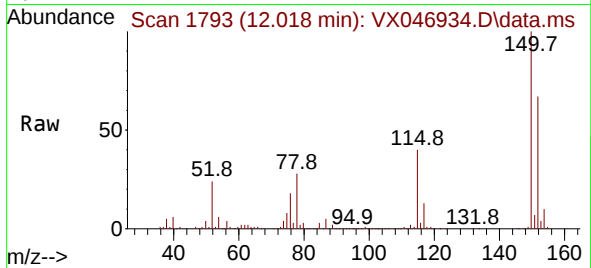




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

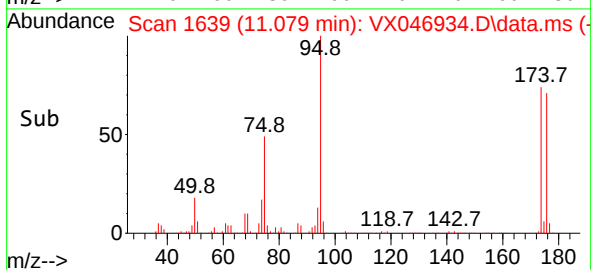
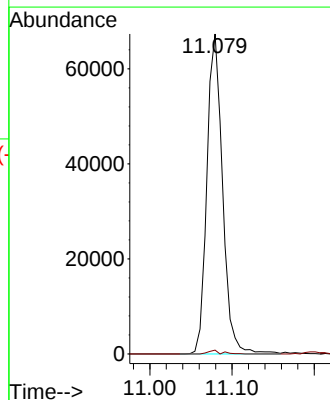
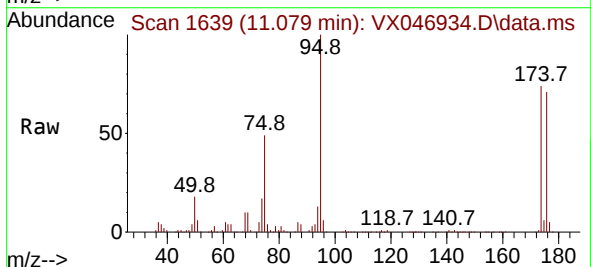
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

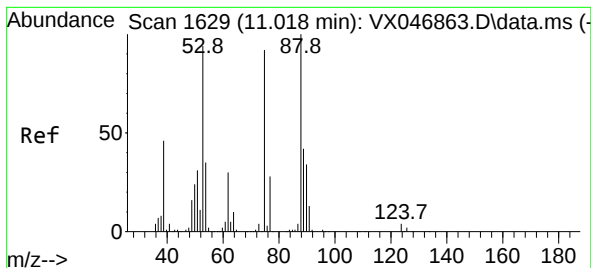
Tgt Ion:152 Resp: 178141
 Ion Ratio Lower Upper
 152 100
 115 60.5 42.4 127.1
 150 155.7 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.362 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

Tgt Ion: 75 Resp: 89077
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.6 61.8#

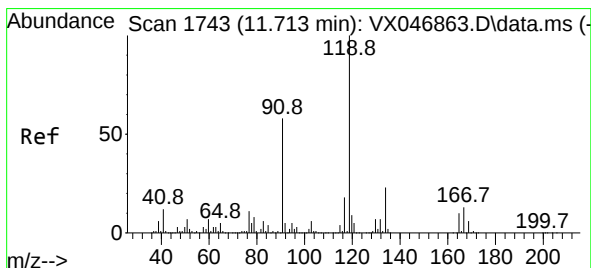
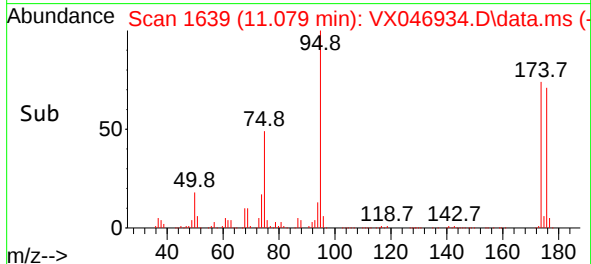
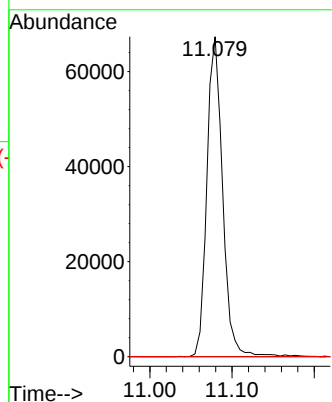
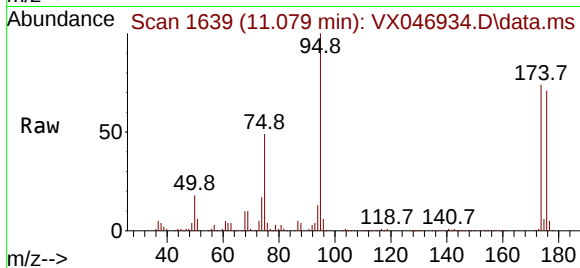




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.843 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

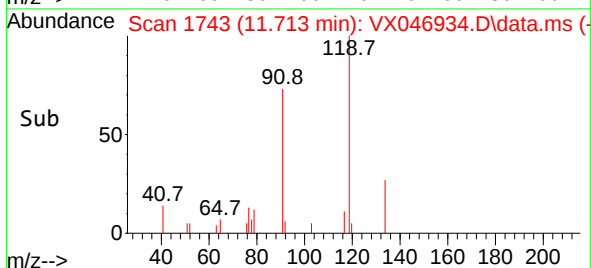
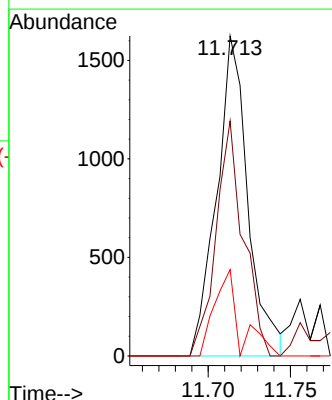
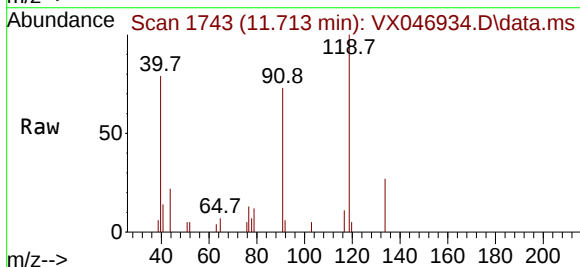
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

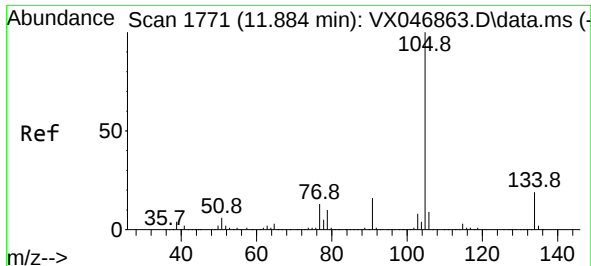
Tgt Ion: 75 Resp: 89077
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 38.2 57.2#



#83
 tert-Butylbenzene
 Concen: 0.204 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. -0.000 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

Tgt Ion: 119 Resp: 2149
 Ion Ratio Lower Upper
 119 100
 91 64.1 28.7 86.3
 134 22.0 11.4 34.2

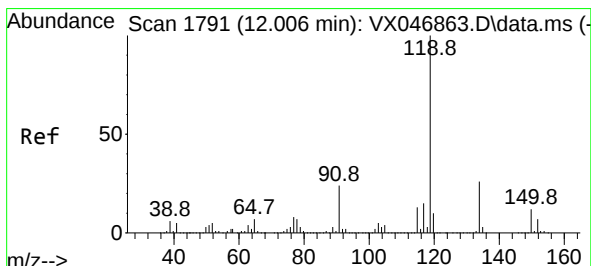
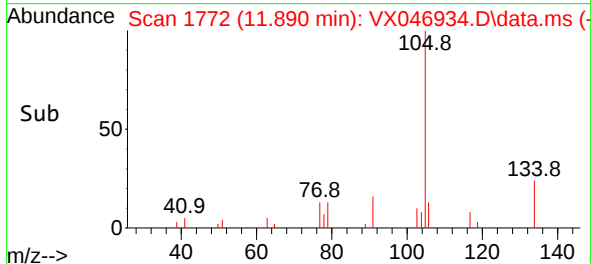
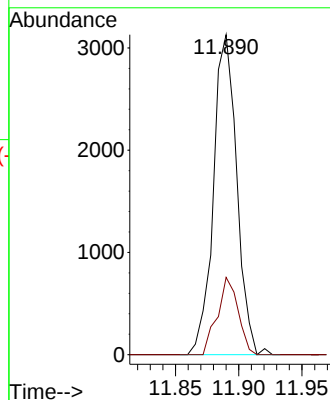
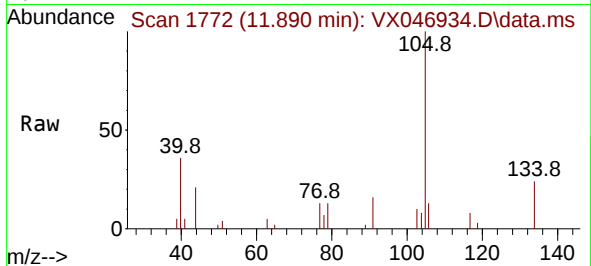




#85
 sec-Butylbenzene
 Concen: 0.303 ug/l
 RT: 11.890 min Scan# 1771
 Delta R.T. 0.006 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

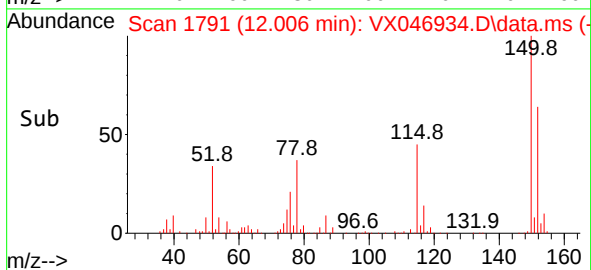
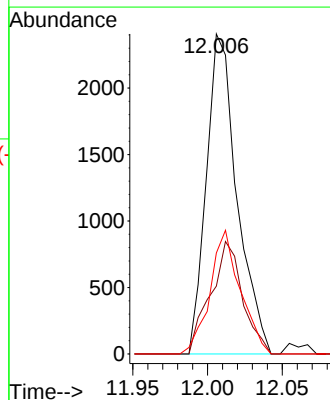
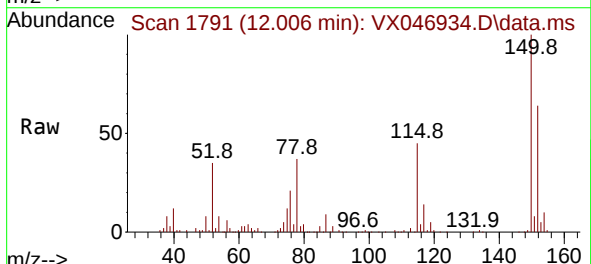
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710MBL01

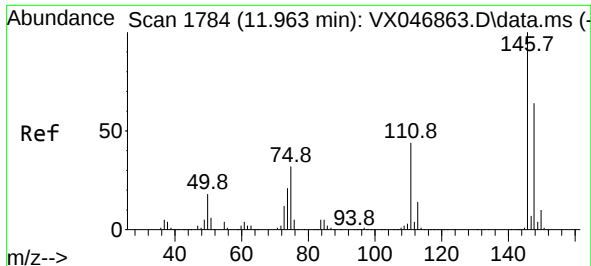
Tgt Ion:105 Resp: 4012
 Ion Ratio Lower Upper
 105 100
 134 21.4 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.309 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046934.D
 Acq: 10 Jul 2025 10:22

Tgt Ion:119 Resp: 3430
 Ion Ratio Lower Upper
 119 100
 134 36.8 13.0 39.0
 91 38.3 12.0 36.1#





#87

1,3-Dichlorobenzene

Concen: 0.289 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBL01

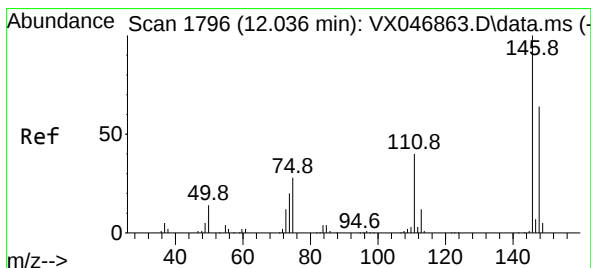
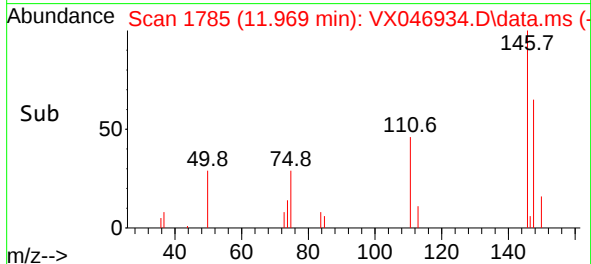
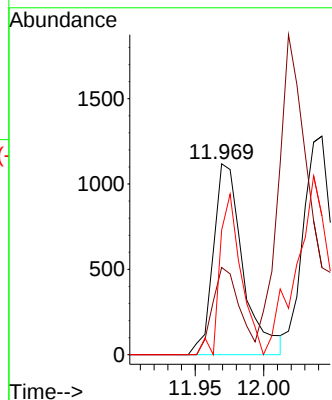
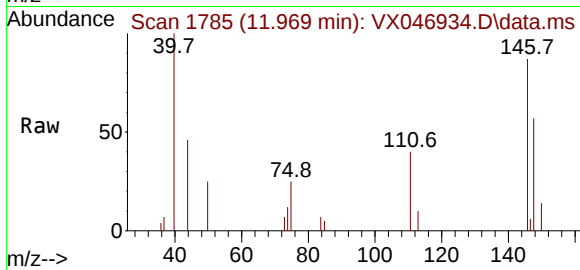
Tgt Ion:146 Resp: 1686

Ion Ratio Lower Upper

146 100

111 41.8 20.5 61.6

148 60.4 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.278 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

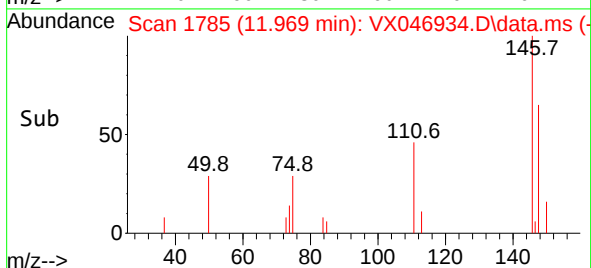
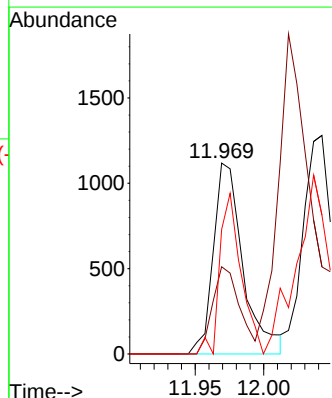
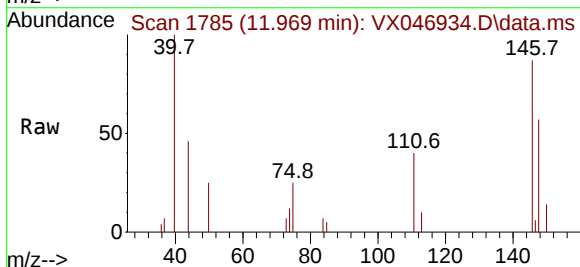
Tgt Ion:146 Resp: 1686

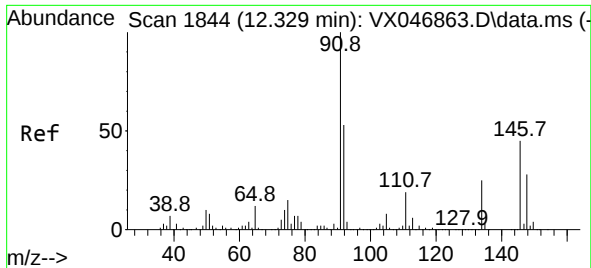
Ion Ratio Lower Upper

146 100

111 41.8 20.2 60.5

148 60.4 32.4 97.0

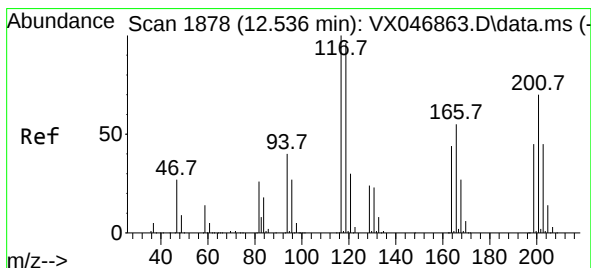
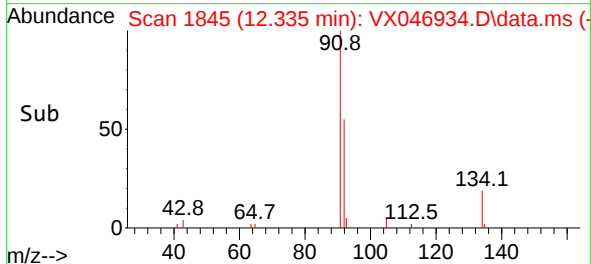
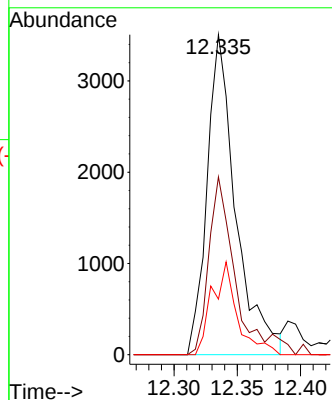
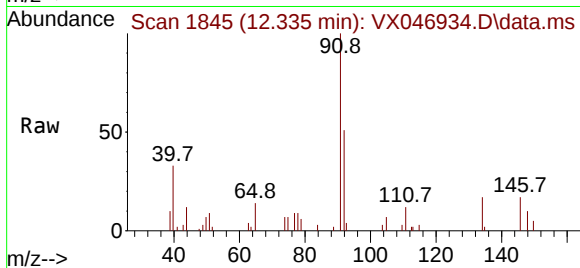




#89
n-Butylbenzene
Concen: 0.530 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

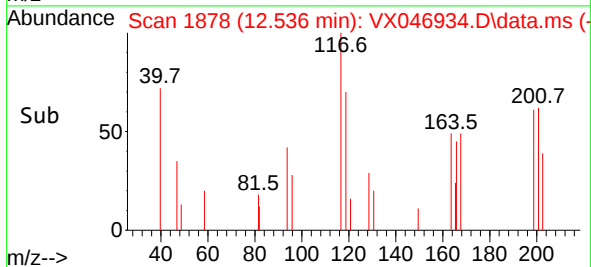
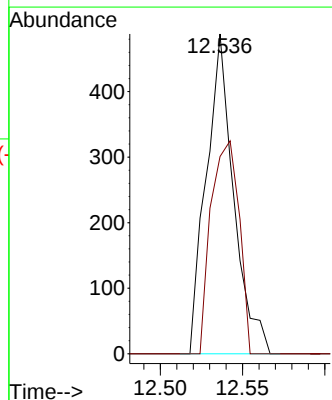
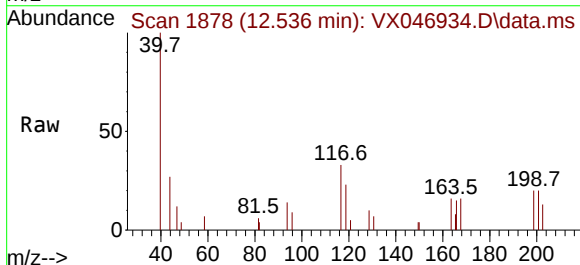
Instrument :
MSVOA_X
ClientSampleId :
VX0710MBL01

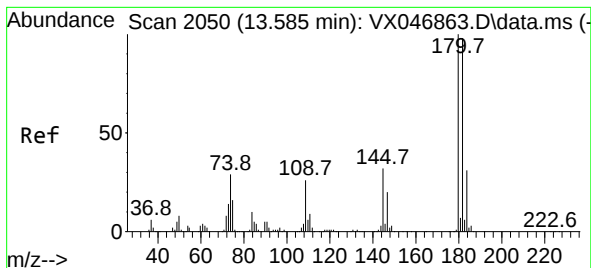
Tgt Ion: 91 Resp: 5530
Ion Ratio Lower Upper
91 100
92 51.7 27.0 81.0
134 25.6 12.8 38.4



#90
Hexachloroethane
Concen: 0.288 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046934.D
Acq: 10 Jul 2025 10:22

Tgt Ion: 117 Resp: 566
Ion Ratio Lower Upper
117 100
201 68.0 35.8 107.4





#93

1,2,4-Trichlorobenzene

Concen: 0.801 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBL01

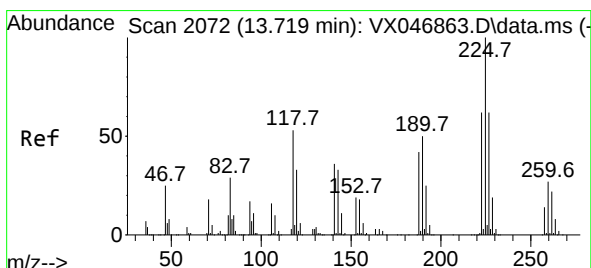
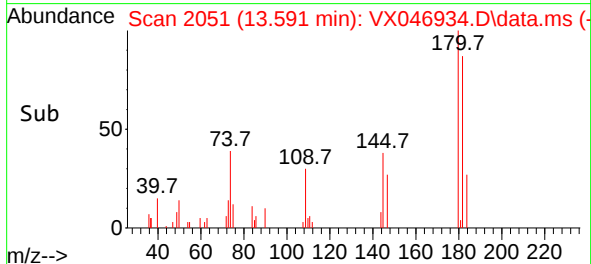
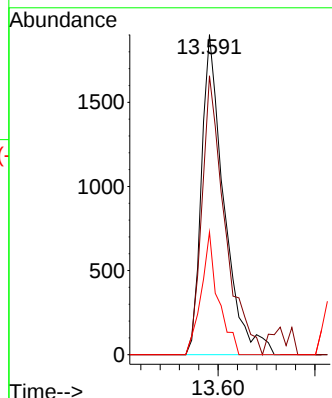
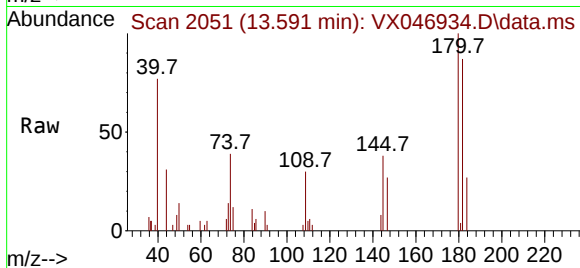
Tgt Ion:180 Resp: 3077

Ion Ratio Lower Upper

180 100

182 88.3 47.3 141.9

145 29.2 16.1 48.2



#94

Hexachlorobutadiene

Concen: 4.005 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

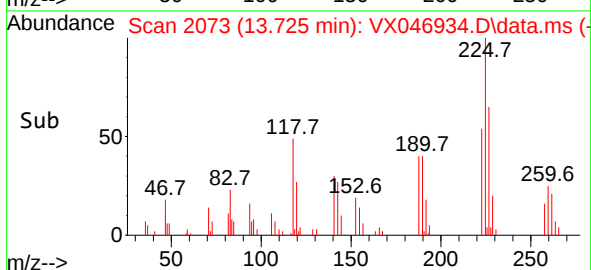
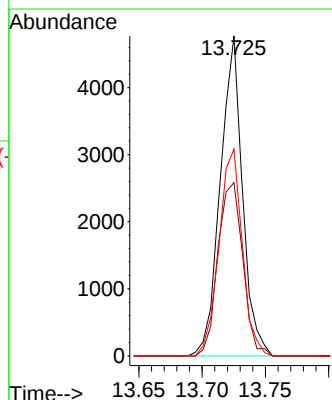
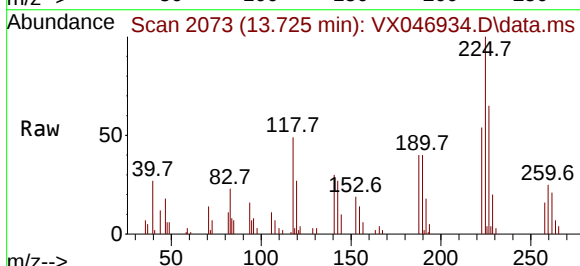
Tgt Ion:225 Resp: 5800

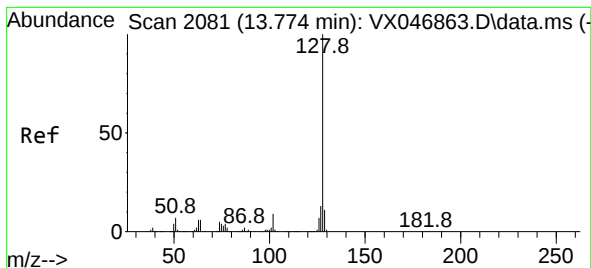
Ion Ratio Lower Upper

225 100

223 60.8 31.6 94.7

227 67.7 31.6 94.7





#95

Naphthalene

Concen: 0.478 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Instrument :

MSVOA_X

ClientSampleId :

VX0710MBL01

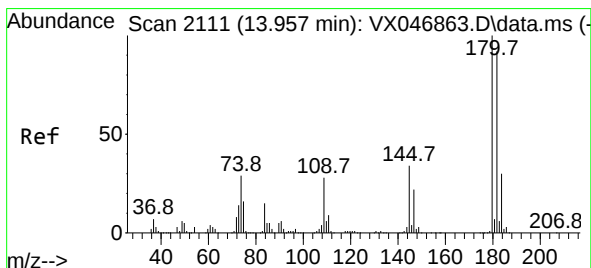
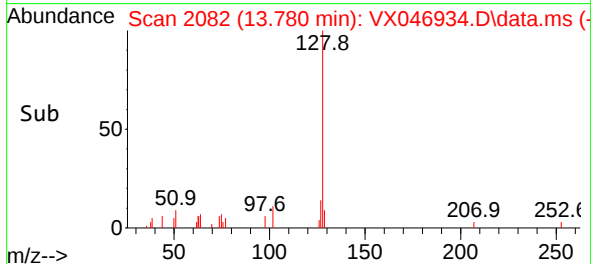
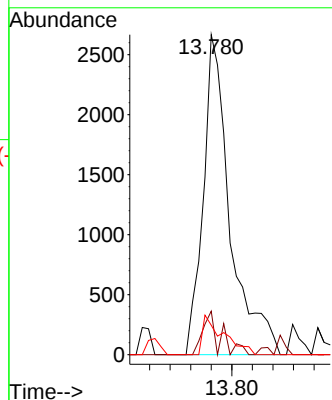
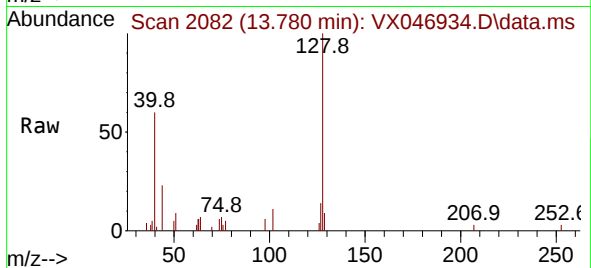
Tgt Ion:128 Resp: 4836

Ion Ratio Lower Upper

128 100

127 8.7 10.2 15.4#

129 9.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.691 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046934.D

Acq: 10 Jul 2025 10:22

Tgt Ion:180 Resp: 2509

Ion Ratio Lower Upper

180 100

182 104.0 46.7 140.1

145 31.8 16.8 50.3

