

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046182.D
 Acq On : 14 May 2025 10:27
 Operator : JC/MD
 Sample : VX0514MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBL01

Quant Time: May 15 01:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

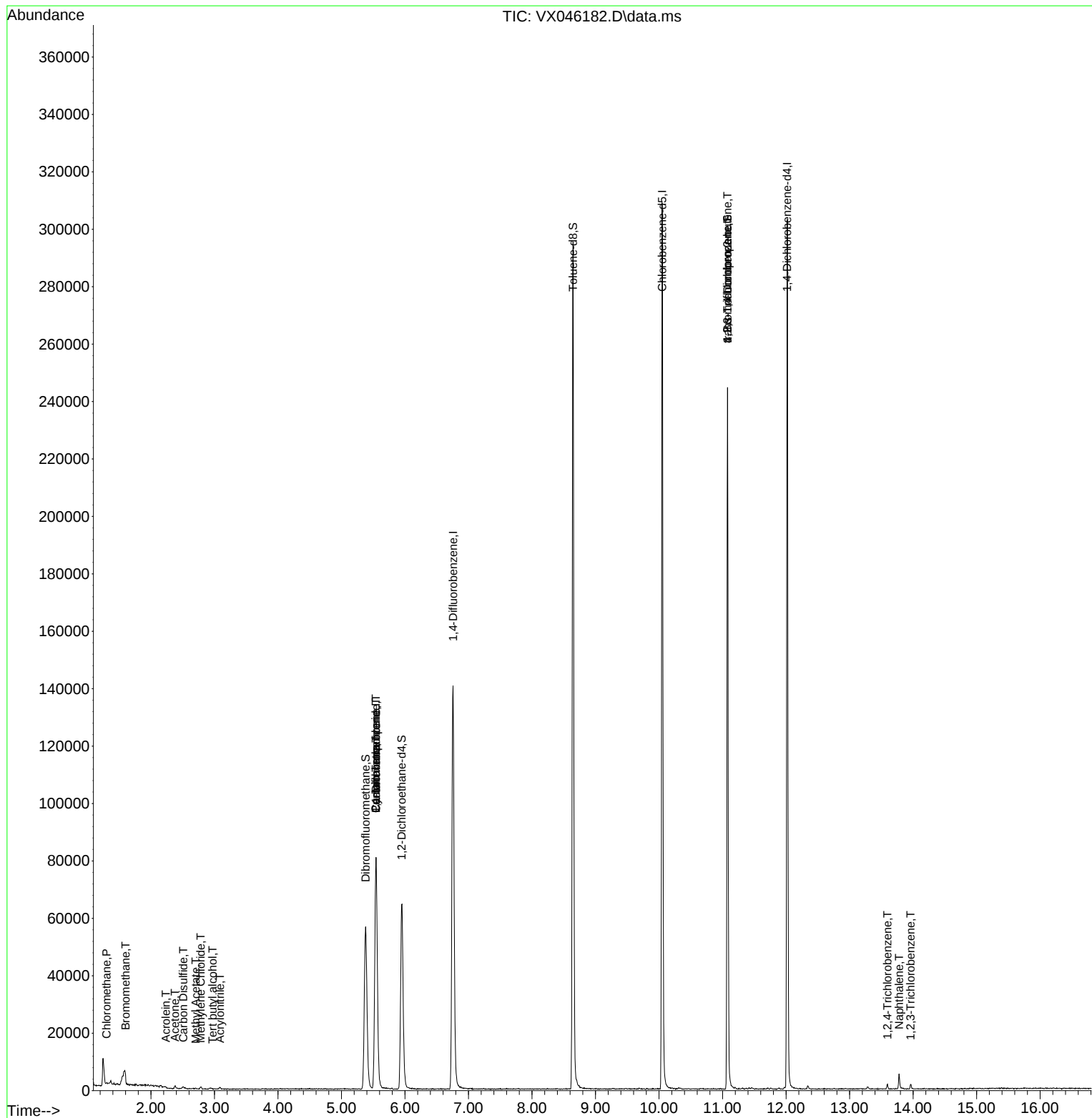
Internal Standards						
1) Pentafluorobenzene	5.544	168	67923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67902	53.622	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.240%			
35) Dibromofluoromethane	5.379	113	49329	50.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	8.647	98	171700	50.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.700%			
62) 4-Bromofluorobenzene	11.079	95	65870	50.355	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	809	0.802	ug/l	91
5) Bromomethane	1.599	94	154	0.354	ug/l #	81
11) Tert butyl alcohol	2.971	59	169	0.951	ug/l #	72
13) Acrolein	2.233	56	177	0.874	ug/l	87
15) Acrylonitrile	3.087	53	277	0.545	ug/l #	62
16) Acetone	2.380	43	1085	2.137	ug/l	99
17) Carbon Disulfide	2.508	76	1009	0.528	ug/l #	90
18) Methyl Acetate	2.703	43	455	0.386	ug/l #	55
20) Methylene Chloride	2.782	84	347	0.357	ug/l #	72
31) Cyclohexane	5.544	56	2085	1.382	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	6845	5.171	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8225	5.530	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	37011	27.800	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37011	90.508	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	486	0.462	ug/l	86
95) Naphthalene	13.780	128	3813	0.989	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	693	0.639	ug/l	88

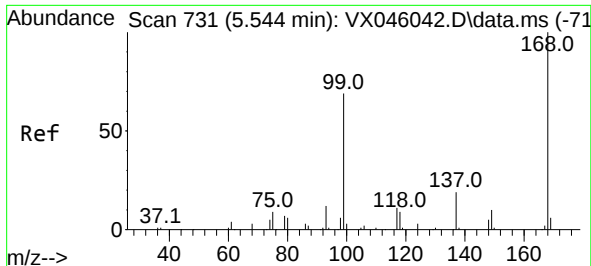
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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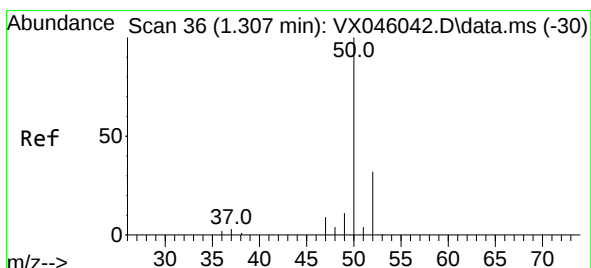
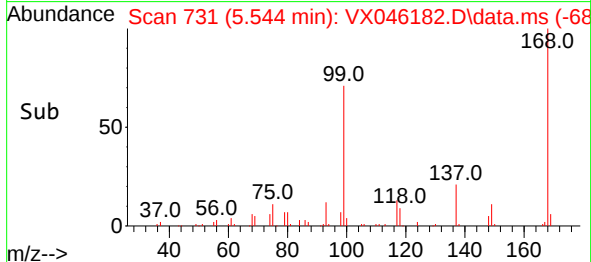
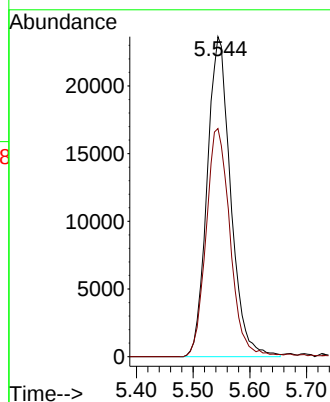
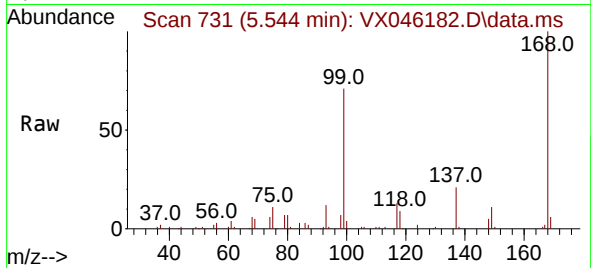




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

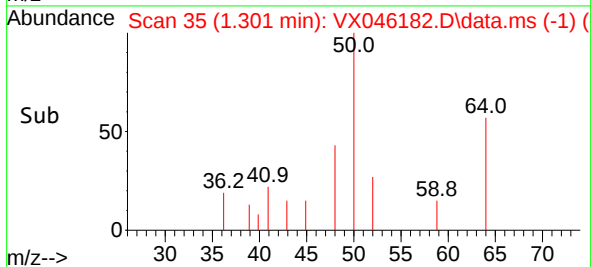
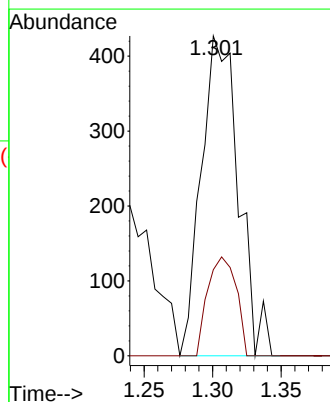
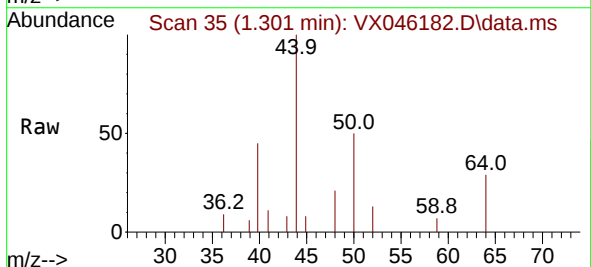
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

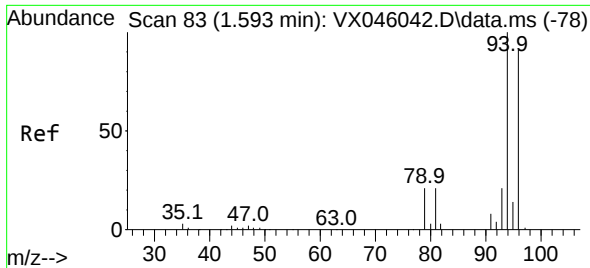
Tgt Ion:168 Resp: 67923
Ion Ratio Lower Upper
168 100
99 71.3 54.9 82.3



#3
Chloromethane
Concen: 0.802 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 50 Resp: 809
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.2

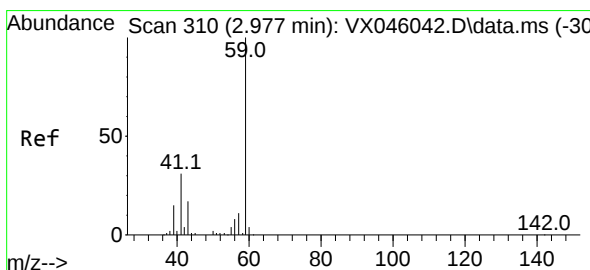
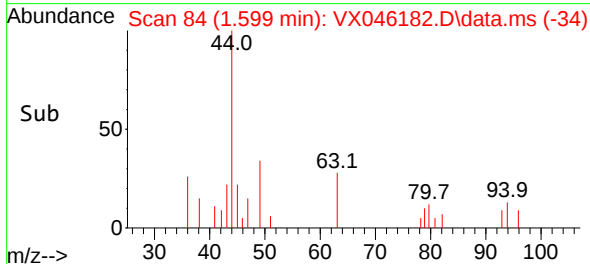
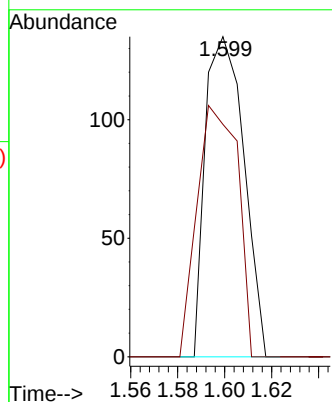
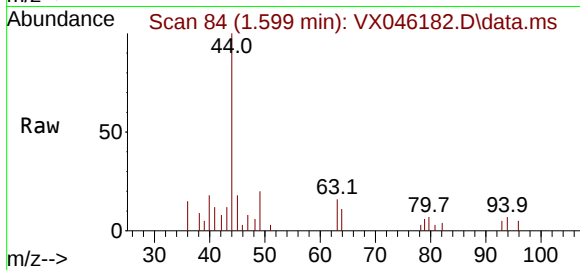




#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

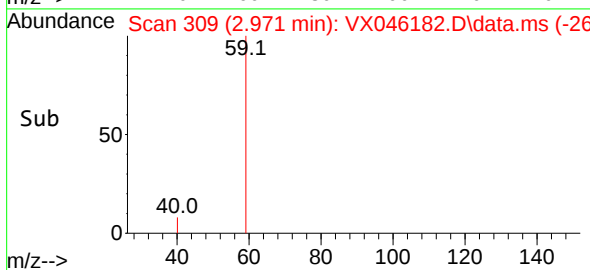
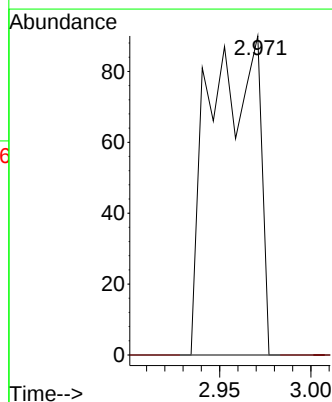
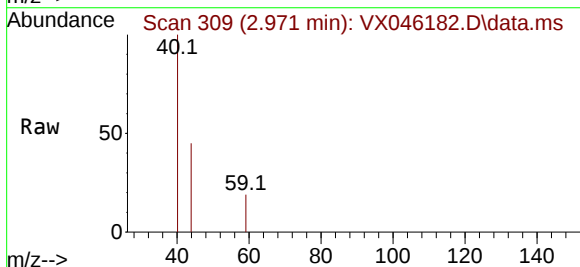
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

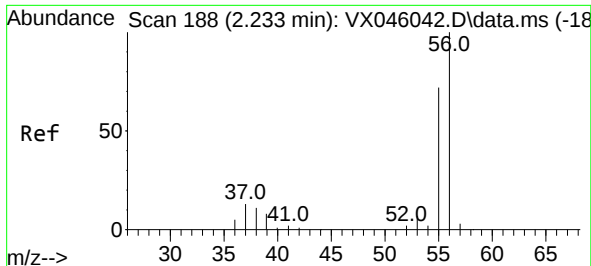
Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 72.6 72.8 109.2#



#11
Tert butyl alcohol
Concen: 0.951 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

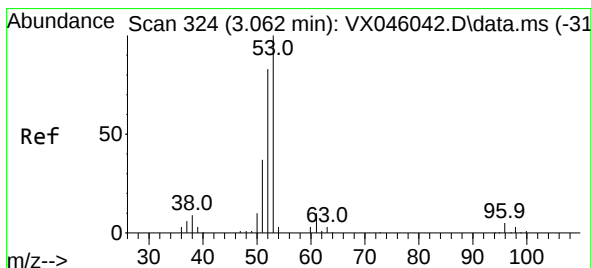
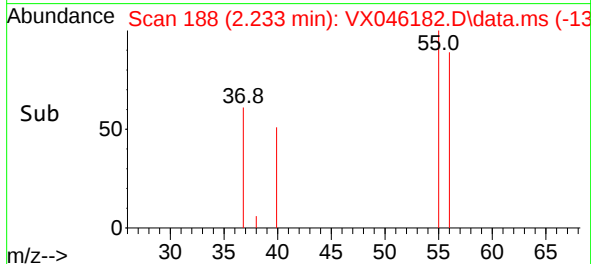
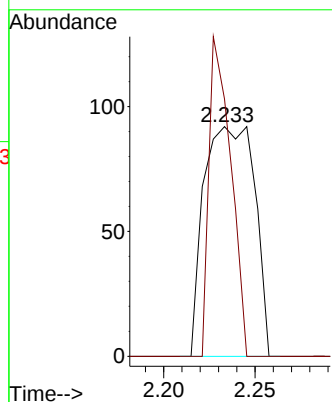
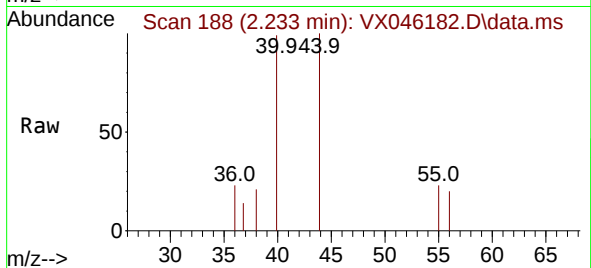




#13
Acrolein
Concen: 0.874 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

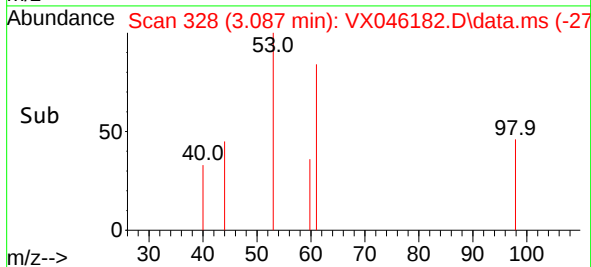
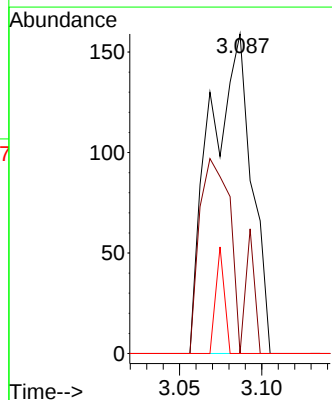
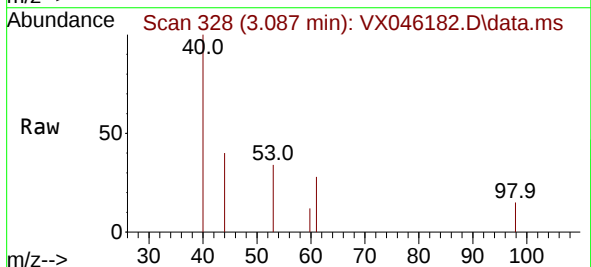
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

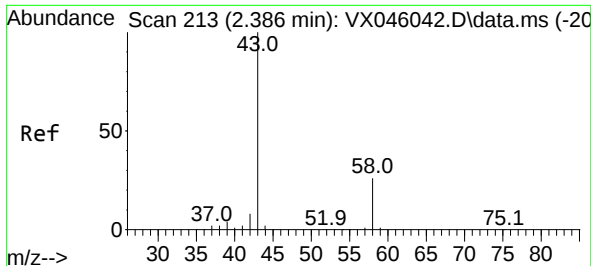
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 59.9 56.2 84.4



#15
Acrylonitrile
Concen: 0.545 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.024 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 53 Resp: 277
Ion Ratio Lower Upper
53 100
52 52.7 65.3 97.9#
51 6.9 29.8 44.8#

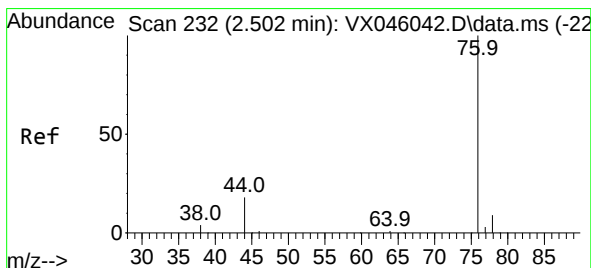
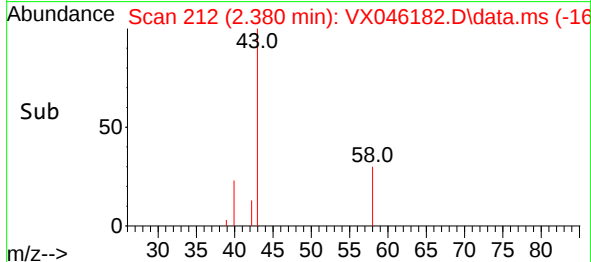
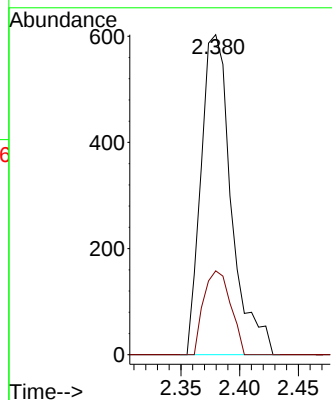
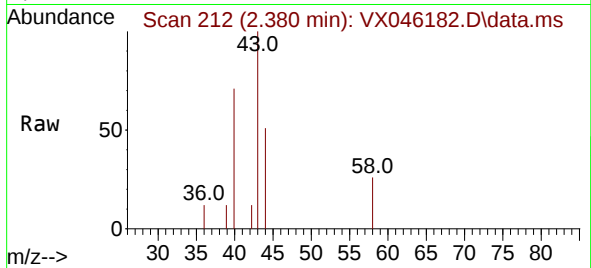




#16
Acetone
Concen: 2.137 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

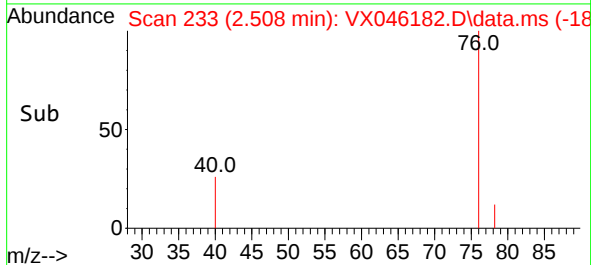
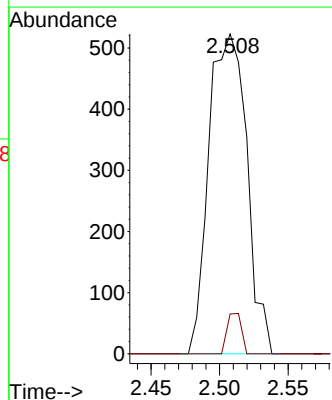
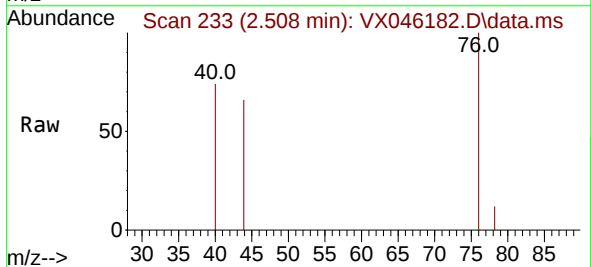
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

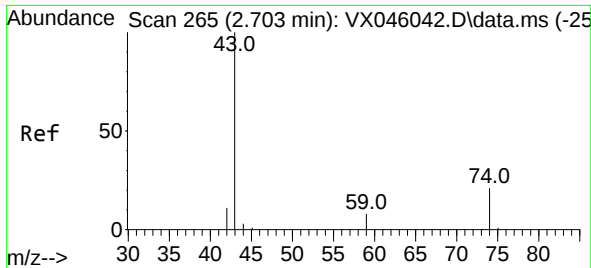
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8



#17
Carbon Disulfide
Concen: 0.528 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 76 Resp: 1009
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.4#

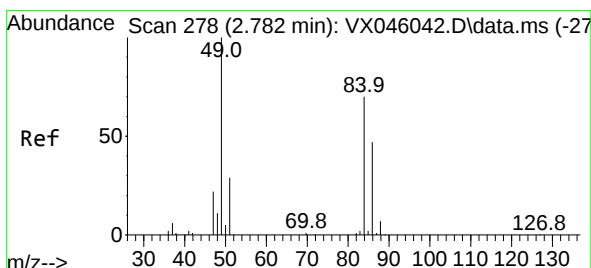
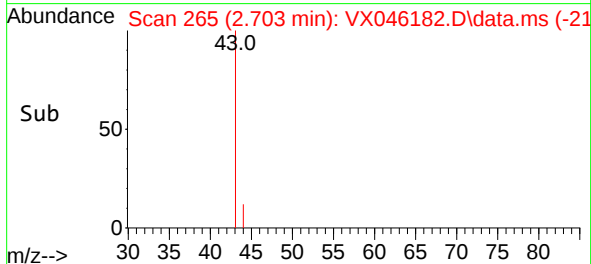
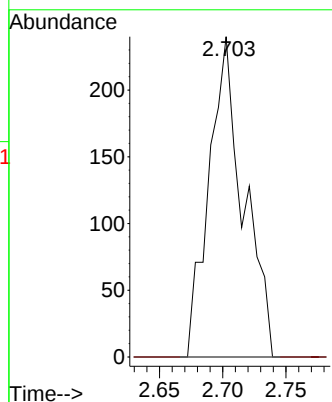
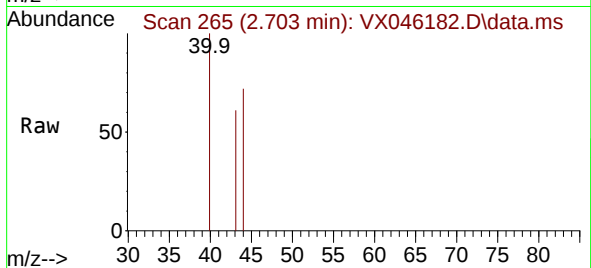




#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

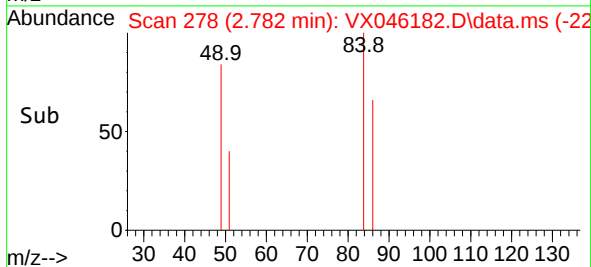
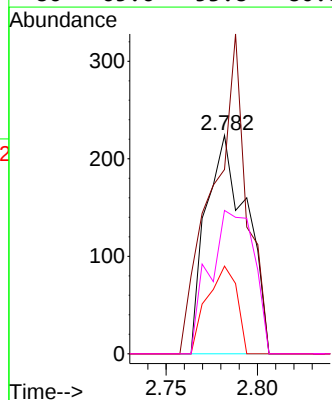
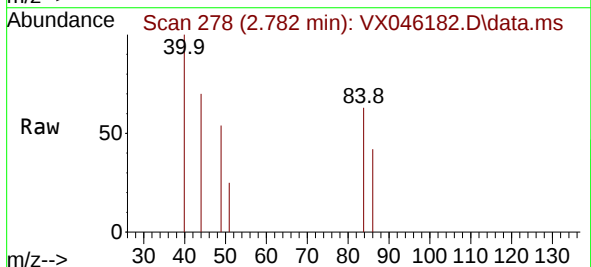
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

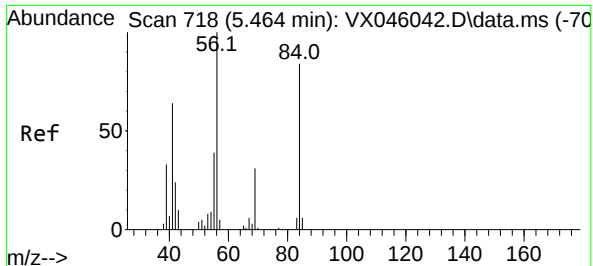
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

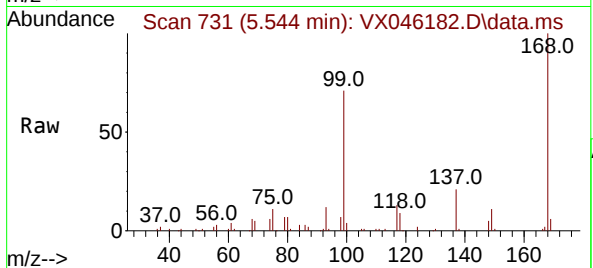
Tgt Ion: 84 Resp: 347
Ion Ratio Lower Upper
84 100
49 84.4 113.9 170.9#
51 40.2 33.5 50.3
86 65.6 53.8 80.8



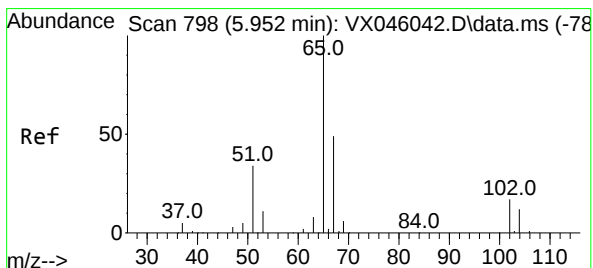
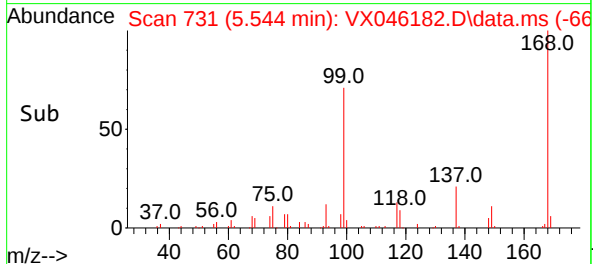
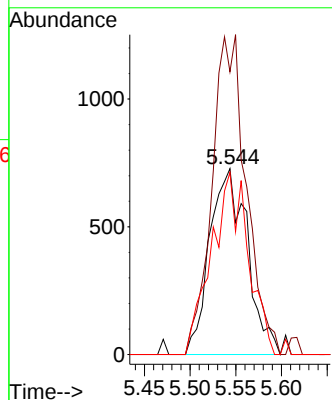


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

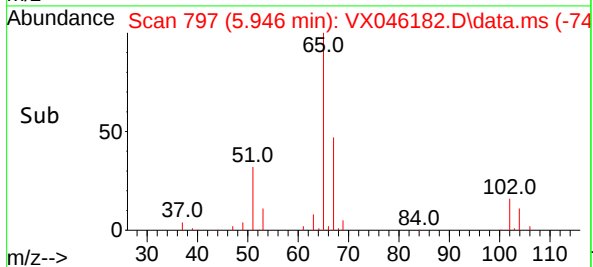
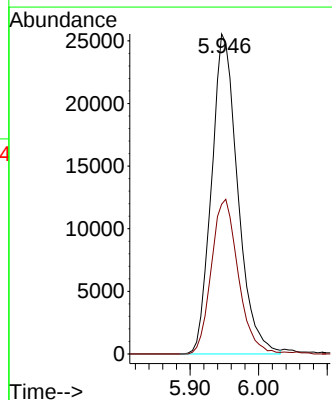
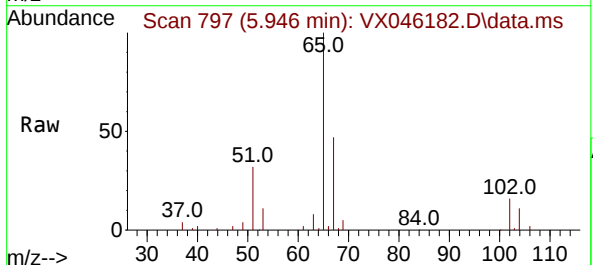


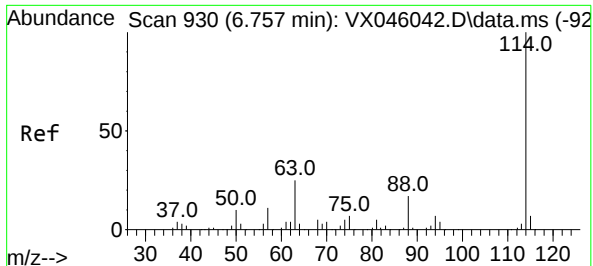
Tgt Ion: 56 Resp: 2085
Ion Ratio Lower Upper
56 100
69 152.1 24.4 36.6#
84 97.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.622 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 65 Resp: 67902
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046182.D

Acq: 14 May 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01

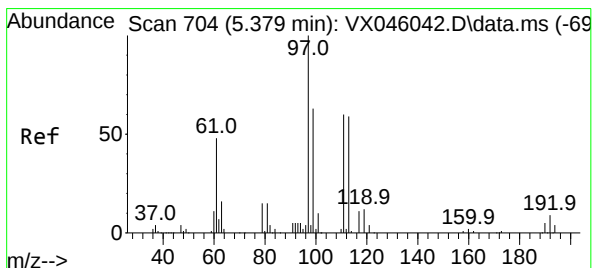
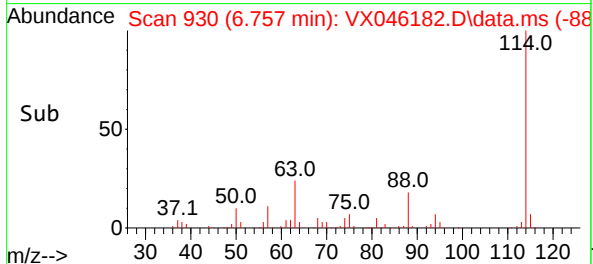
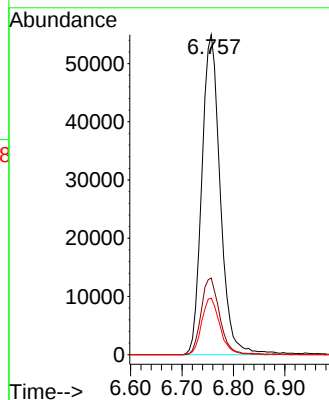
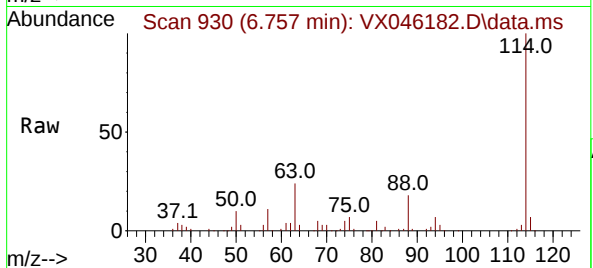
Tgt Ion:114 Resp: 136827

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 17.6 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.065 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046182.D

Acq: 14 May 2025 10:27

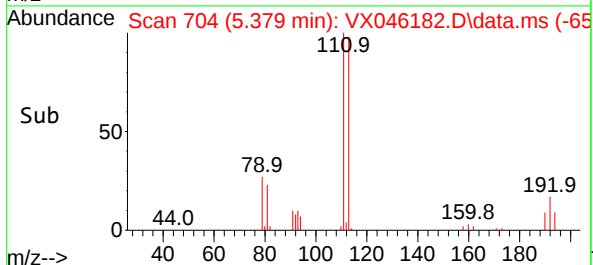
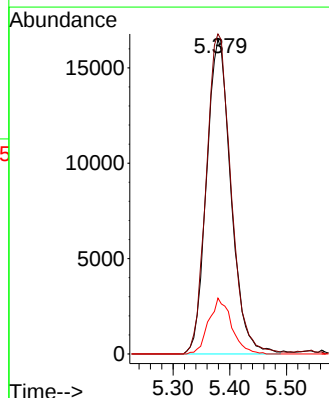
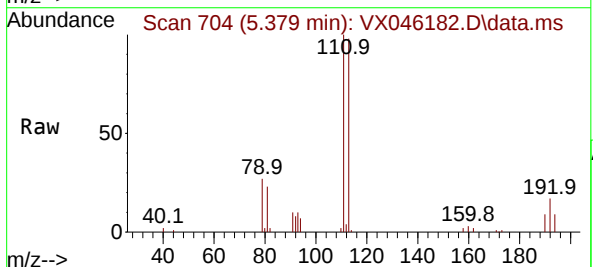
Tgt Ion:113 Resp: 49329

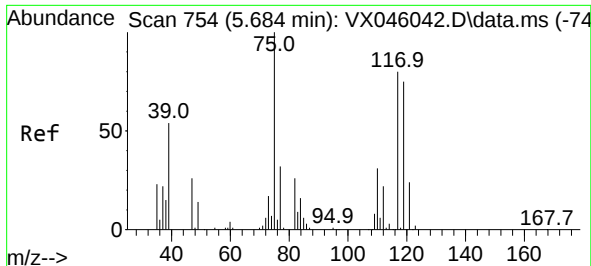
Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

192 16.6 13.3 19.9

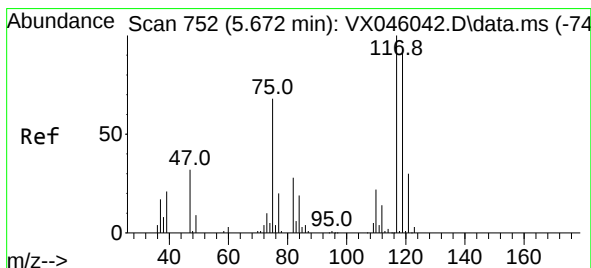
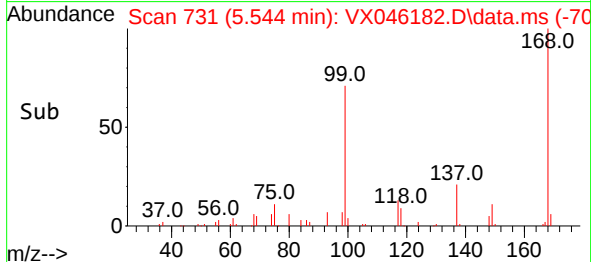
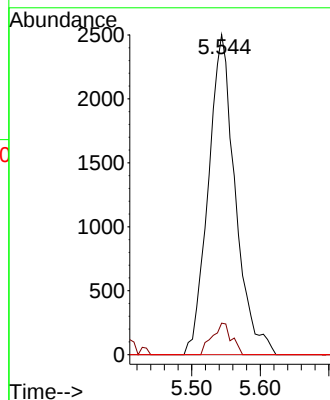
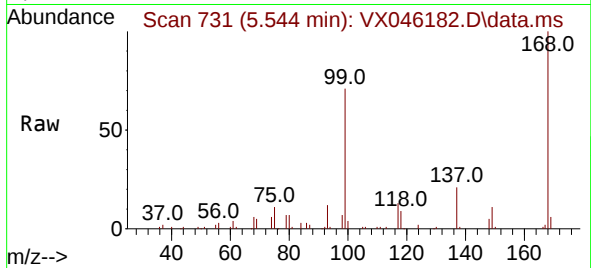




#36
1,1-Dichloropropene
Concen: 5.171 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

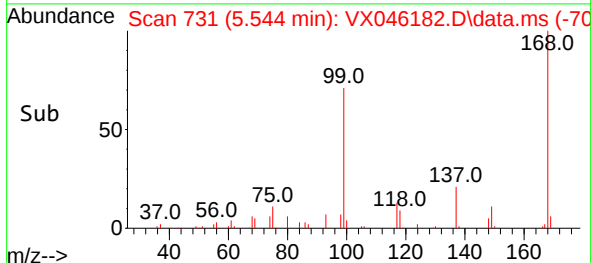
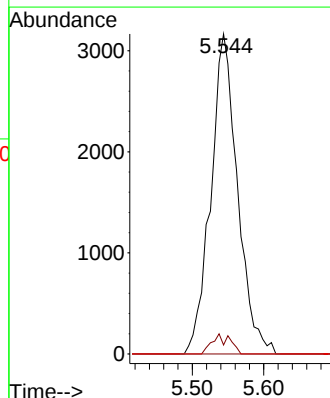
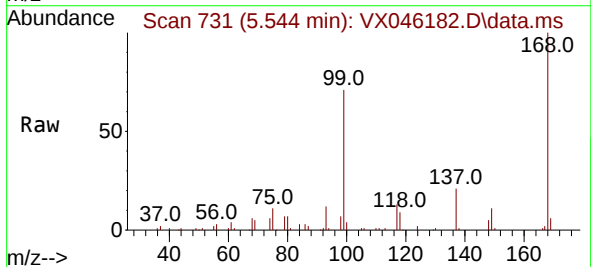
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

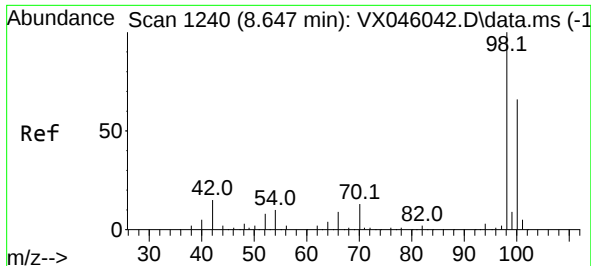
Tgt Ion: 75 Resp: 6845
Ion Ratio Lower Upper
75 100
110 7.1 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 117 Resp: 8225
Ion Ratio Lower Upper
117 100
119 2.8 75.2 112.8#
121 0.0 24.2 36.4#

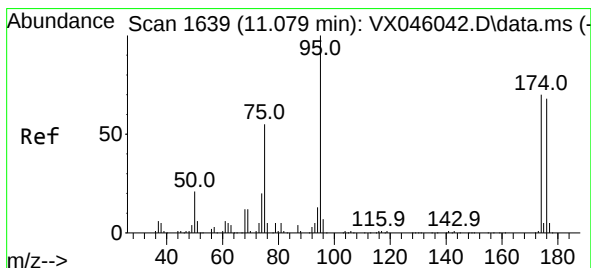
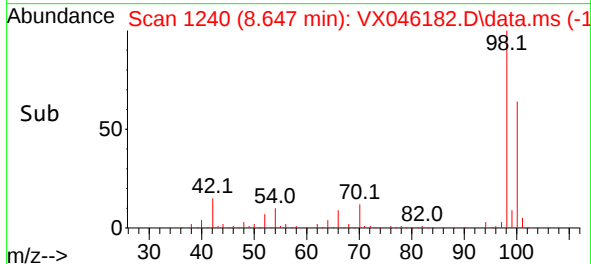
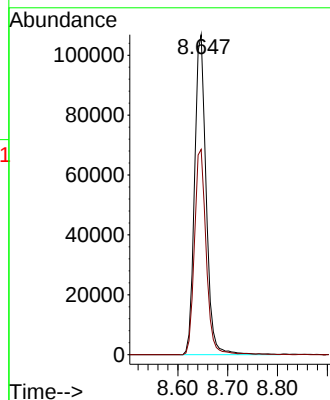
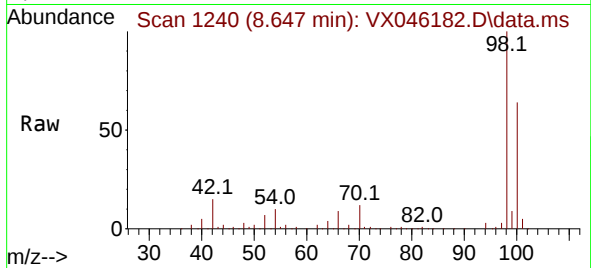




#50
Toluene-d8
Concen: 50.348 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

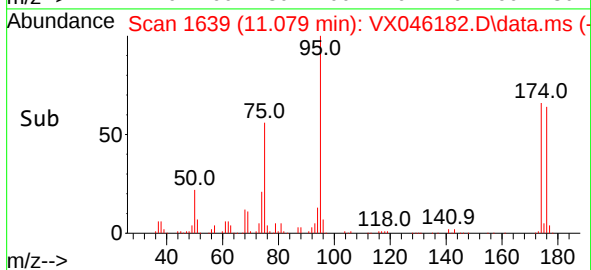
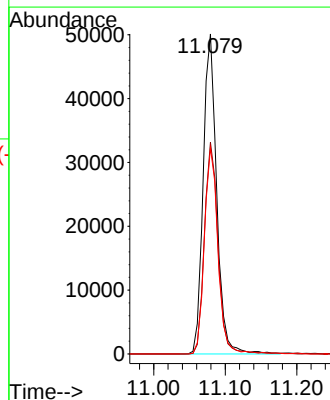
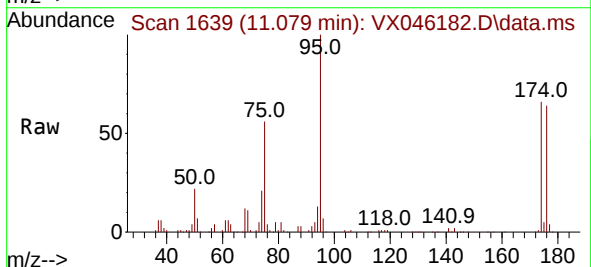
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

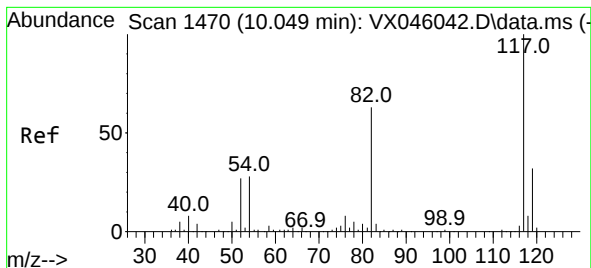
Tgt Ion: 98 Resp: 171700
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 95 Resp: 65870
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 64.9 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046182.D

Acq: 14 May 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01

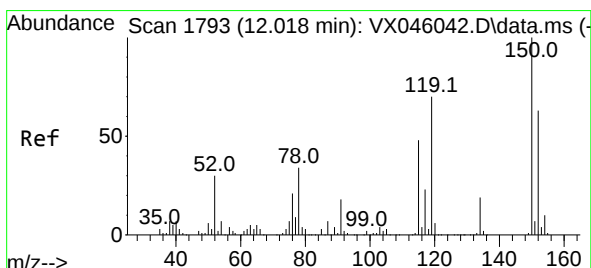
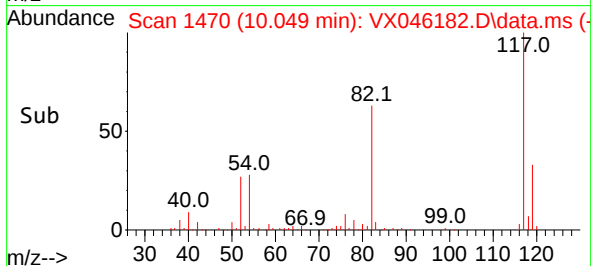
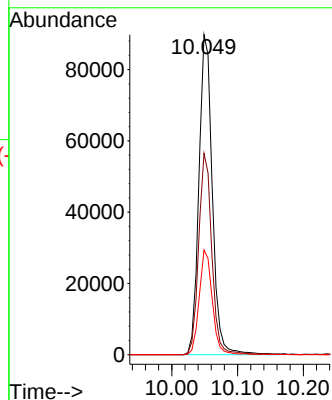
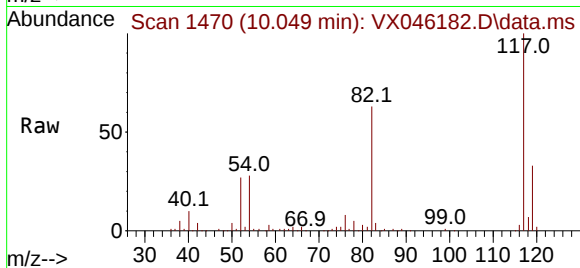
Tgt Ion:117 Resp: 127098

Ion Ratio Lower Upper

117 100

82 62.9 50.6 76.0

119 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046182.D

Acq: 14 May 2025 10:27

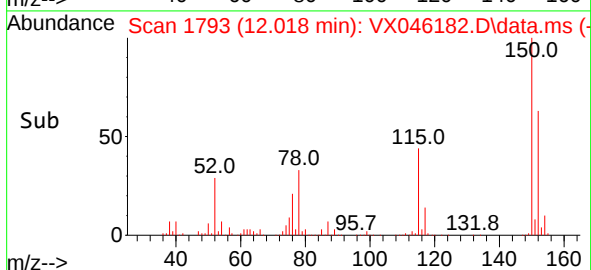
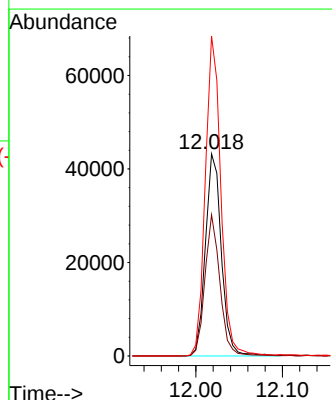
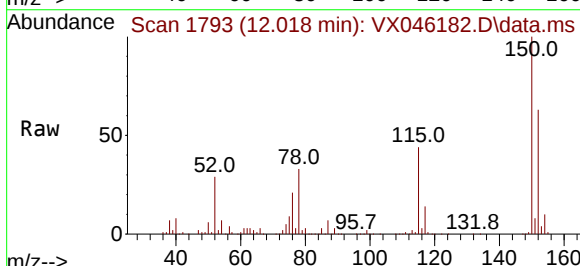
Tgt Ion:152 Resp: 55310

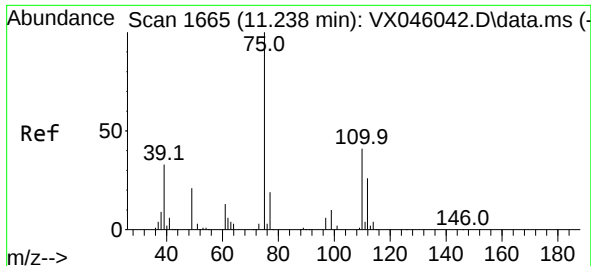
Ion Ratio Lower Upper

152 100

115 65.7 46.9 140.7

150 154.4 0.0 351.0

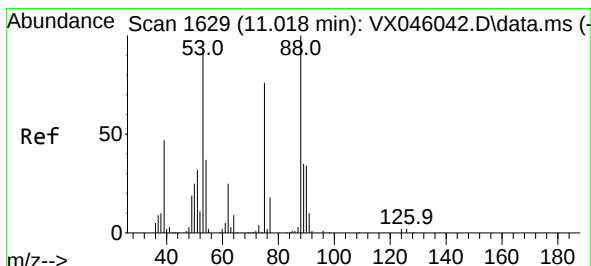
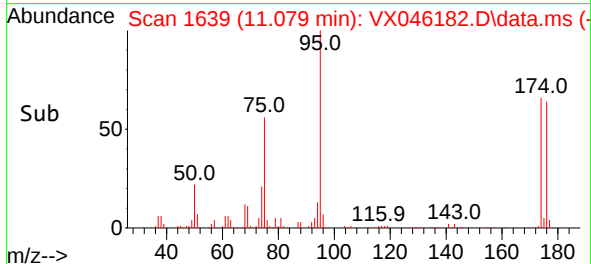
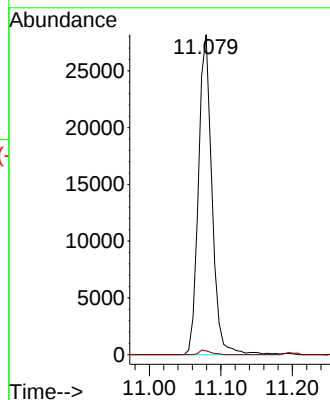
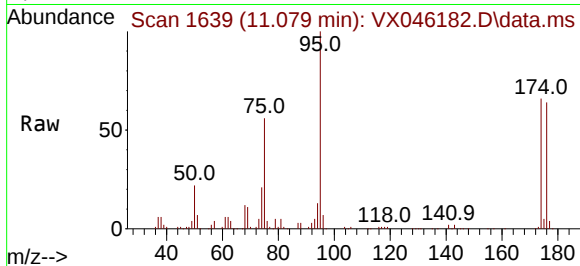




#76
1,2,3-Trichloropropane
Concen: 27.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

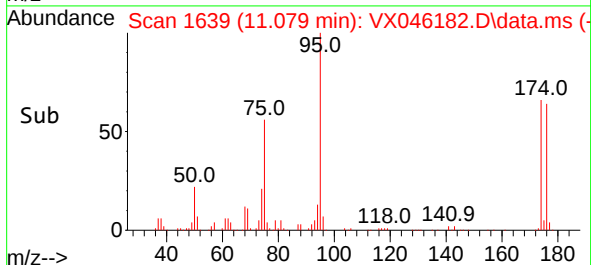
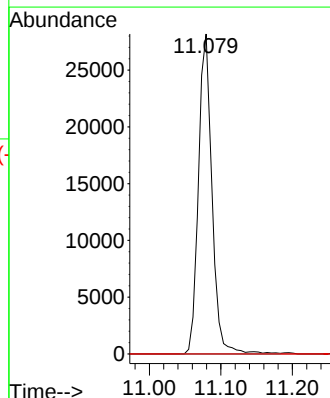
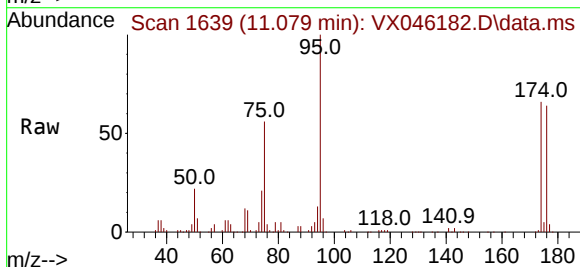
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

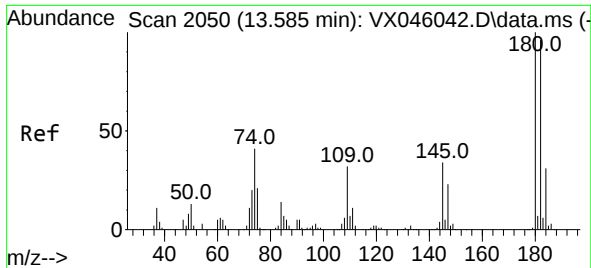
Tgt Ion: 75 Resp: 37011
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.508 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion: 75 Resp: 37011
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

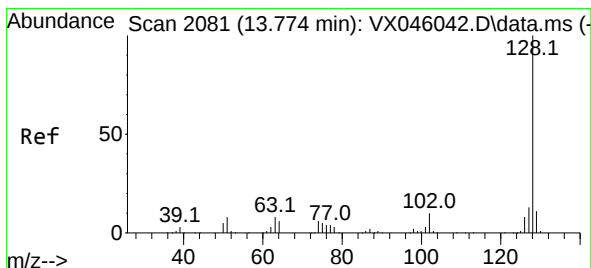
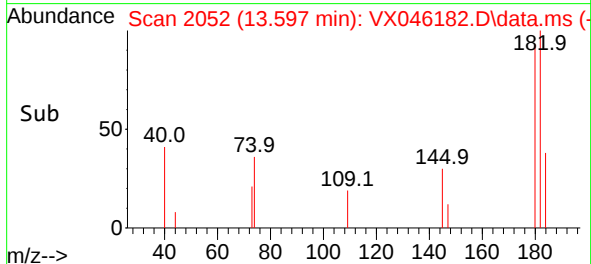
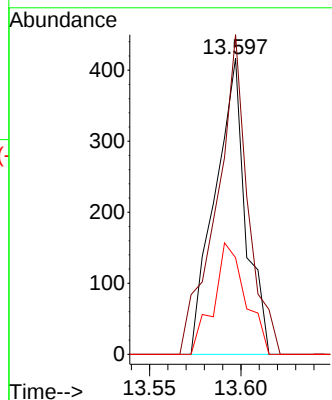
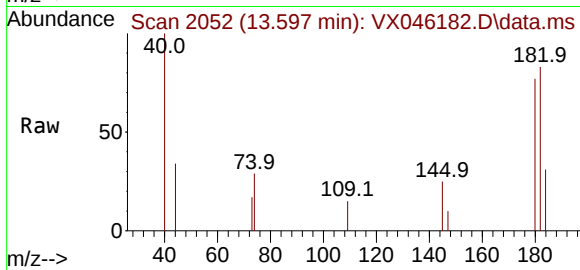




#93
1,2,4-Trichlorobenzene
Concen: 0.462 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

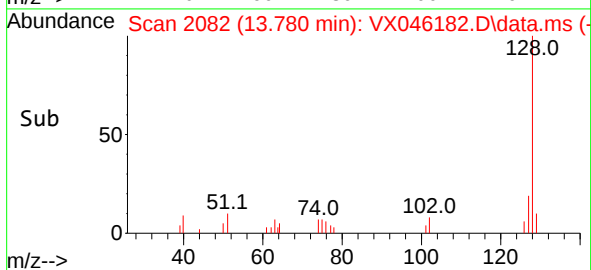
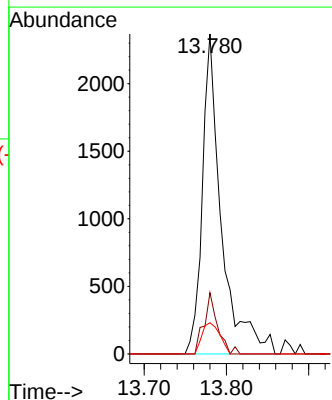
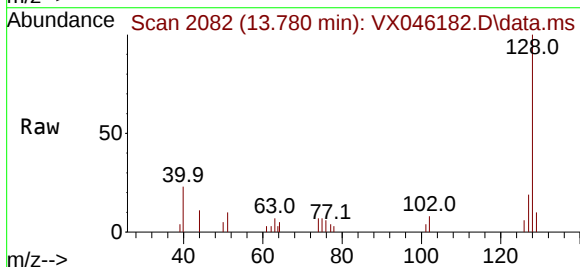
Instrument :
MSVOA_X
ClientSampleId :
VX0514MBL01

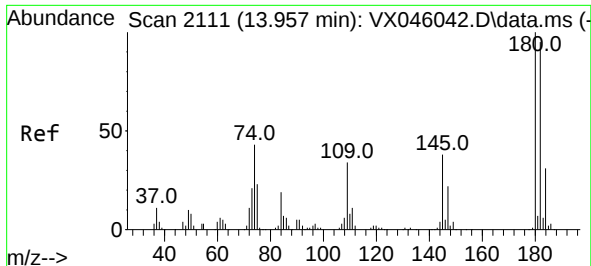
Tgt Ion:180 Resp: 486
Ion Ratio Lower Upper
180 100
182 110.7 47.9 143.8
145 39.5 17.1 51.2



#95
Naphthalene
Concen: 0.989 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046182.D
Acq: 14 May 2025 10:27

Tgt Ion:128 Resp: 3813
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 9.1 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.639 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046182.D

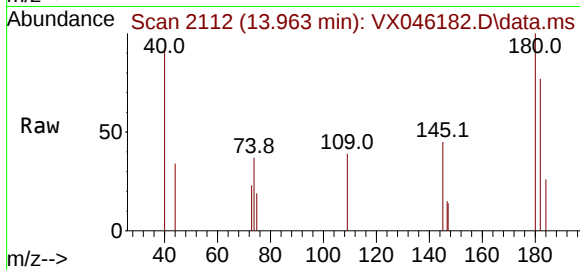
Acq: 14 May 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBL01



Tgt Ion:180 Resp: 693

Ion Ratio Lower Upper

180 100

182 83.8 47.8 143.3

145 28.1 18.1 54.3

