

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046126.D
 Acq On : 12 May 2025 10:27
 Operator : JC/MD
 Sample : VX0512MBL01 V14921
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512MBL01

Quant Time: May 13 03:13:42 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	5.537	168	71740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	139531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58110	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68221	51.008	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.020%	
35) Dibromofluoromethane	5.379	113	48740	48.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.020%	
50) Toluene-d8	8.640	98	172334	49.555	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	11.079	95	65857	49.369	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.740%	

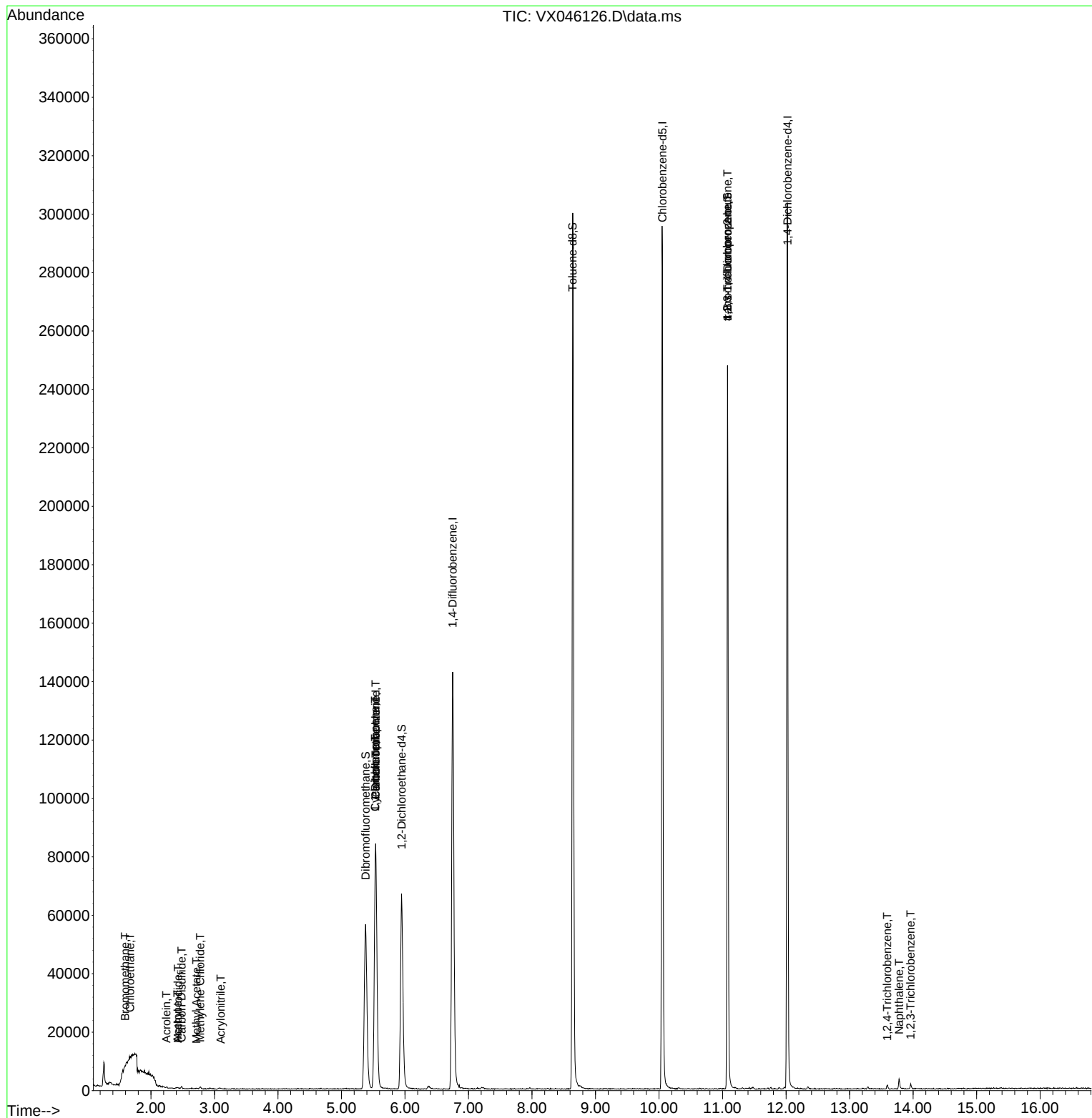
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	354	0.770	ug/l	92
6) Chloroethane	1.672	64	133	0.251	ug/l #	48
10) Methyl Iodide	2.428	142	307	0.286	ug/l #	34
13) Acrolein	2.239	56	158	0.739	ug/l	98
15) Acrylonitrile	3.099	53	143	0.266	ug/l #	74
16) Acetone	2.416	43	565	1.054	ug/l #	48
17) Carbon Disulfide	2.483	76	706	0.350	ug/l #	76
18) Methyl Acetate	2.715	43	311	0.250	ug/l #	55
20) Methylene Chloride	2.776	84	338	0.329	ug/l	94
31) Cyclohexane	5.531	56	1947	1.222	ug/l #	28
36) 1,1-Dichloropropene	5.531	75	6756	5.004	ug/l #	51
38) Carbon Tetrachloride	5.537	117	8705	5.739	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	37127	26.543	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37127	86.416	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	478	0.433	ug/l	93
95) Naphthalene	13.780	128	2953	0.729	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	664	0.582	ug/l	81

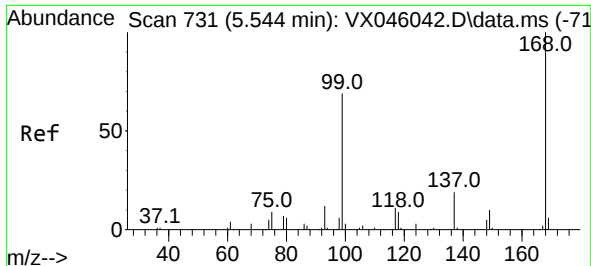
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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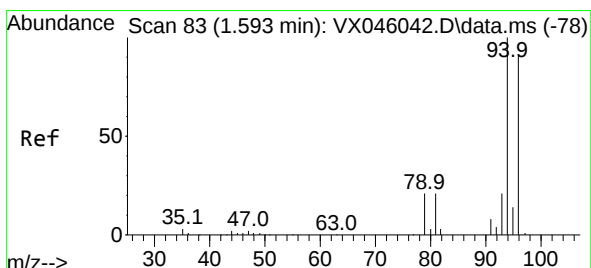
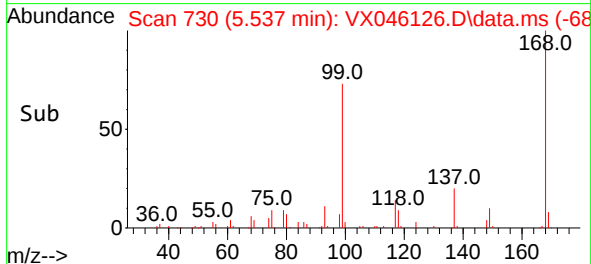
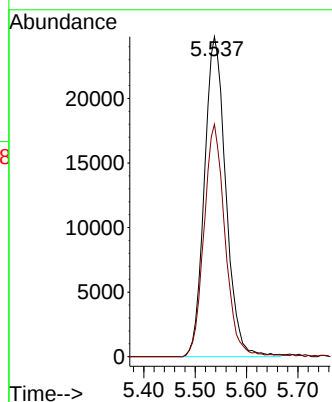
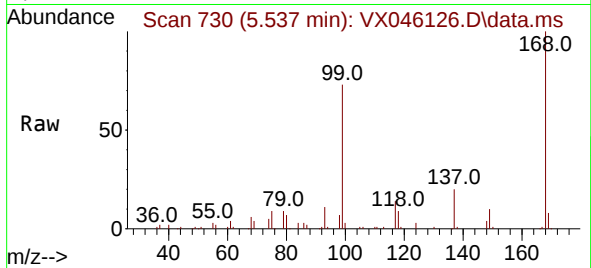




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

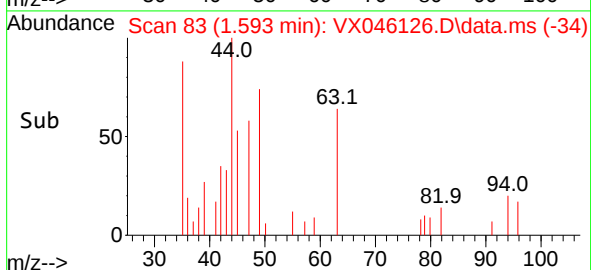
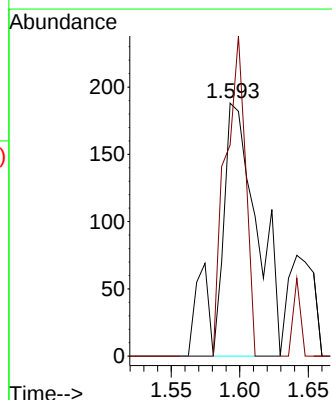
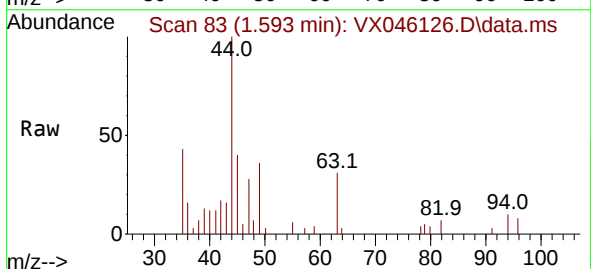
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

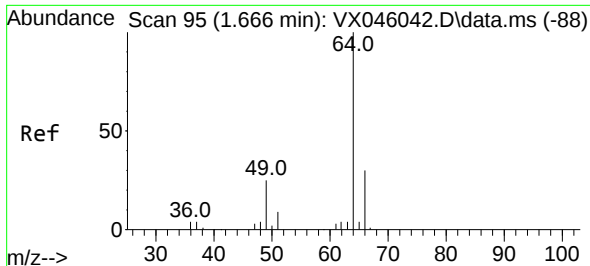
Tgt Ion:168 Resp: 71740
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#5
Bromomethane
Concen: 0.770 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 83.5 72.8 109.2

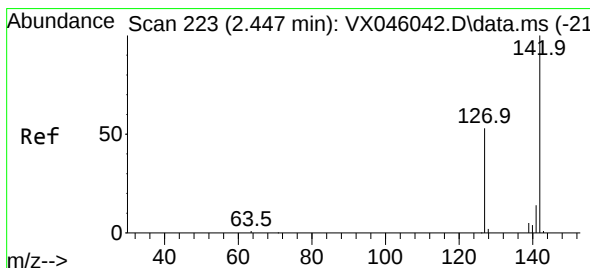
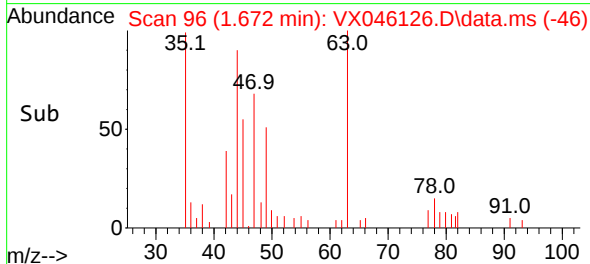
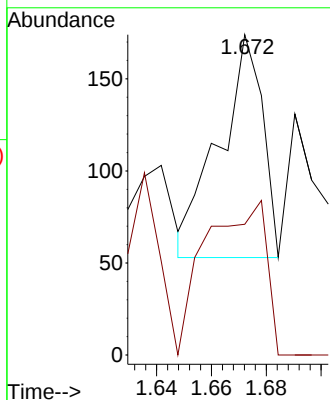
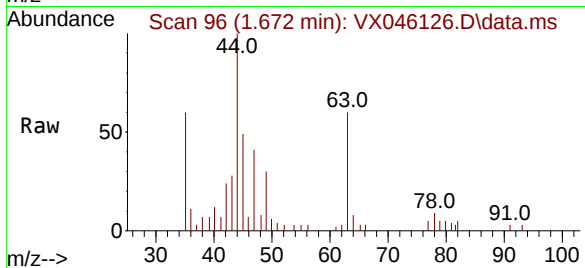




#6
Chloroethane
Concen: 0.251 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

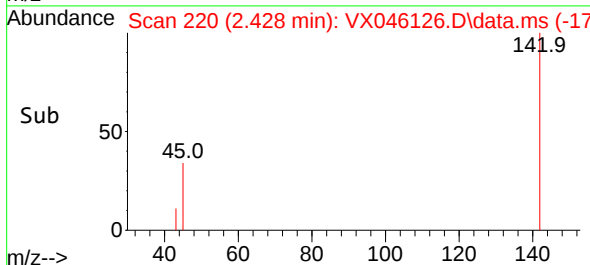
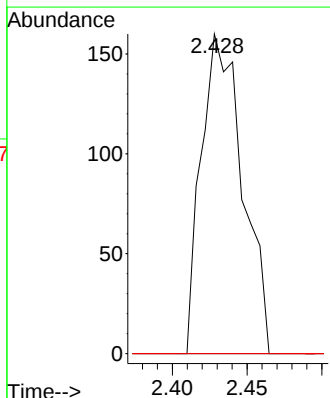
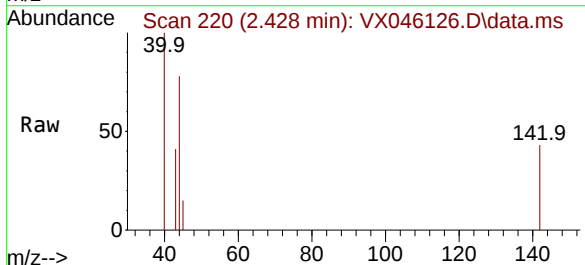
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

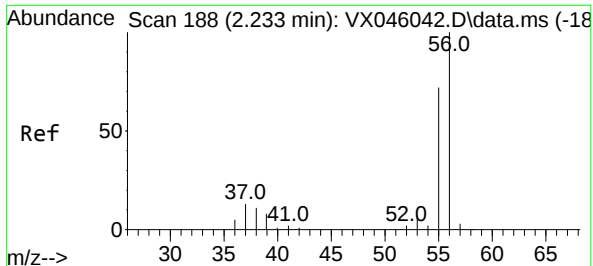
Tgt Ion: 64 Resp: 133
Ion Ratio Lower Upper
64 100
66 58.7 24.3 36.5#



#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.019 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 142 Resp: 307
Ion Ratio Lower Upper
142 100
127 0.0 41.7 62.5#
141 0.0 11.5 17.3#





#13

Acrolein

Concen: 0.739 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046126.D

Acq: 12 May 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

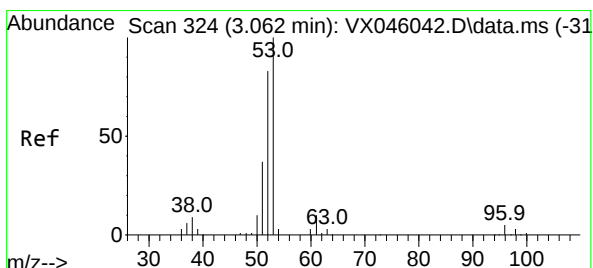
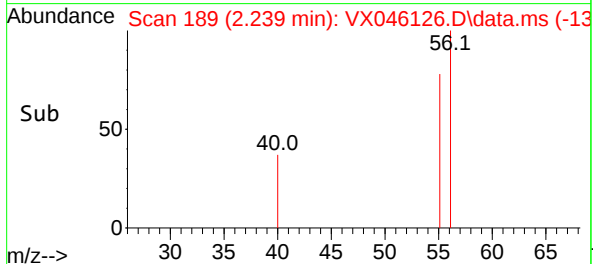
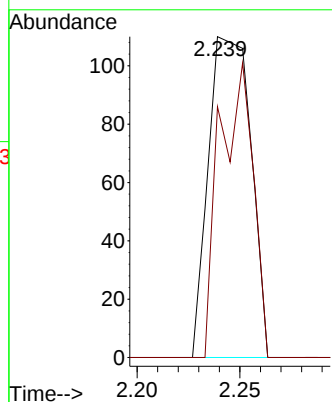
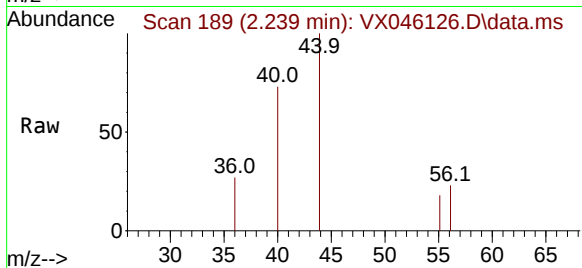
VX0512MBL01

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 72.2 56.2 84.4



#15

Acrylonitrile

Concen: 0.266 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.036 min

Lab File: VX046126.D

Acq: 12 May 2025 10:27

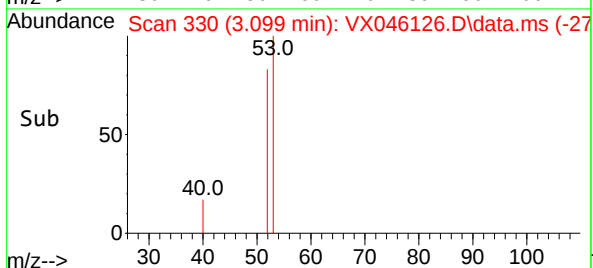
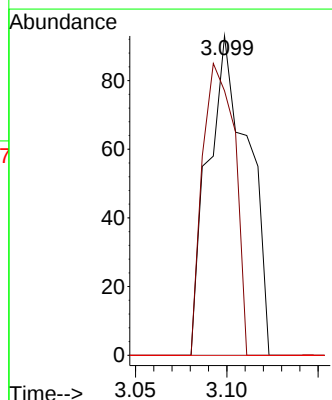
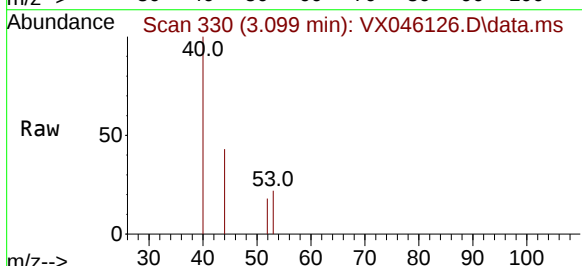
Tgt Ion: 53 Resp: 143

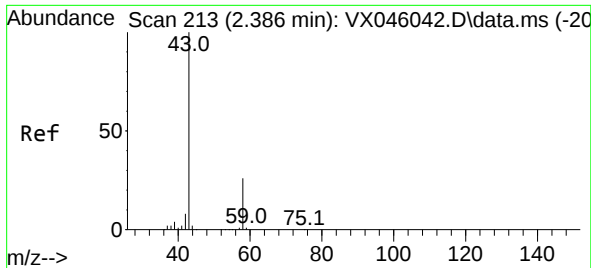
Ion Ratio Lower Upper

53 100

52 72.7 65.3 97.9

51 0.0 29.8 44.8#





#16

Acetone

Concen: 1.054 ug/l

RT: 2.416 min Scan# 21

Delta R.T. 0.030 min

Lab File: VX046126.D

Acq: 12 May 2025 10:27

Instrument :

MSVOA_X

ClientSampleId :

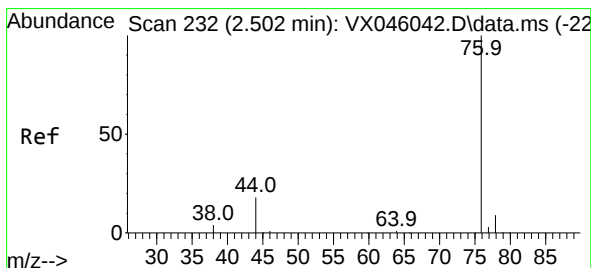
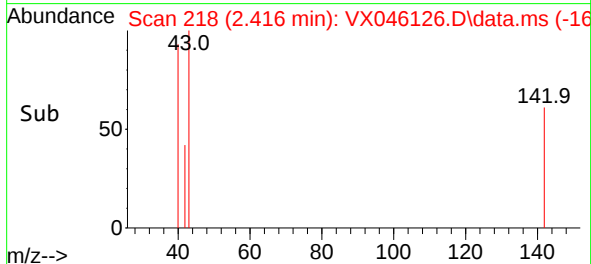
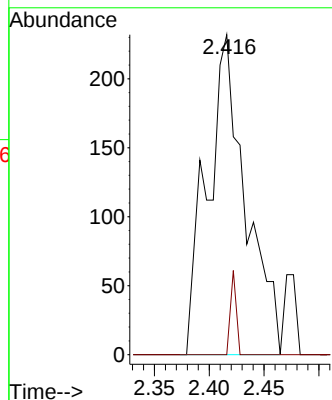
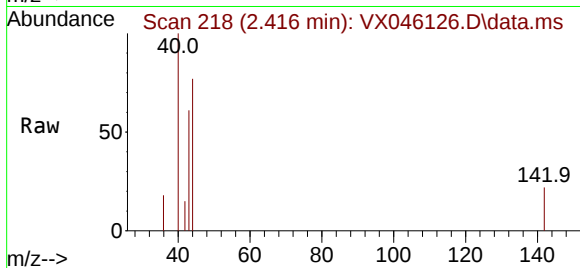
VX0512MBL01

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



#17

Carbon Disulfide

Concen: 0.350 ug/l

RT: 2.483 min Scan# 229

Delta R.T. -0.019 min

Lab File: VX046126.D

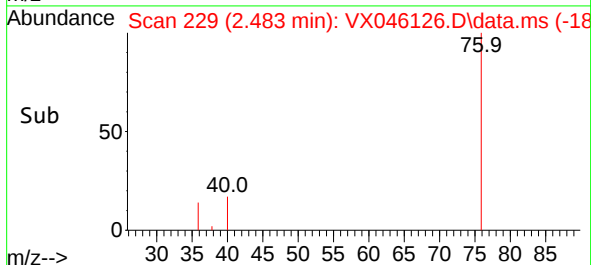
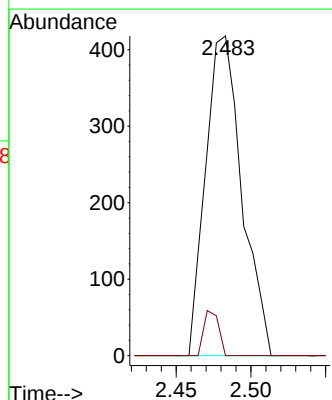
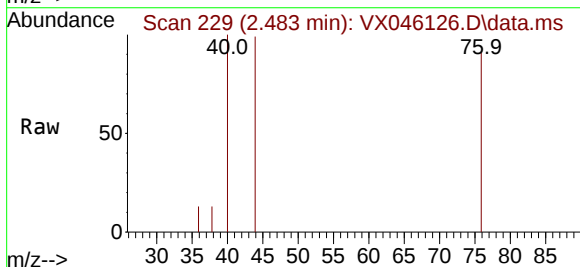
Acq: 12 May 2025 10:27

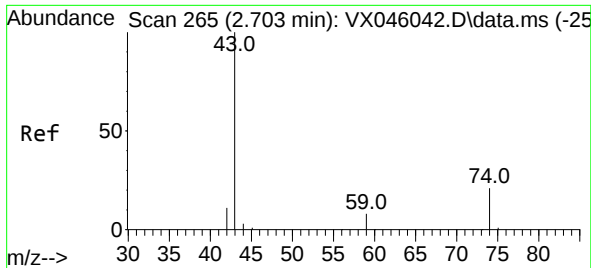
Tgt Ion: 76 Resp: 706

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

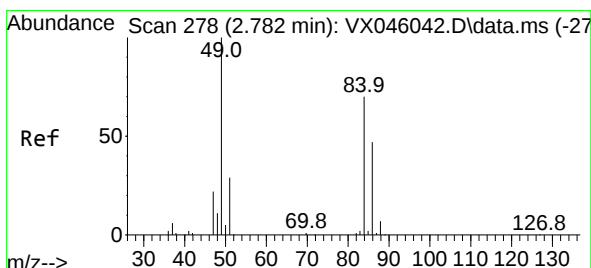
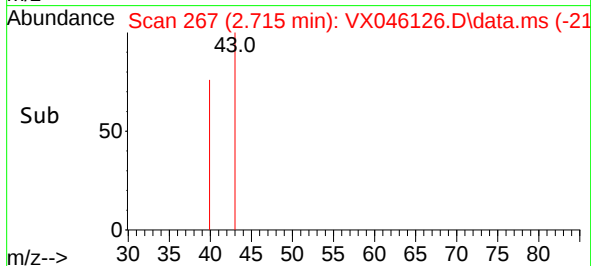
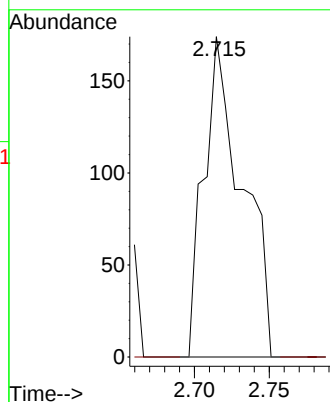
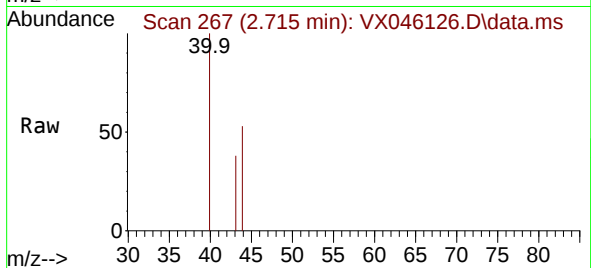




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

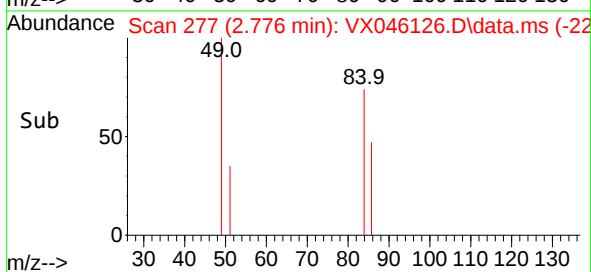
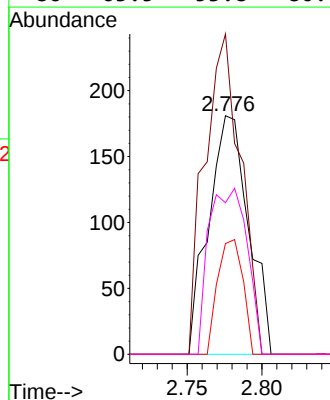
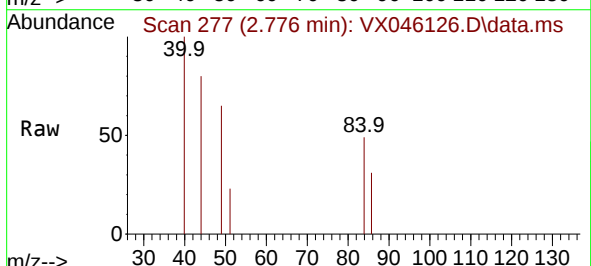
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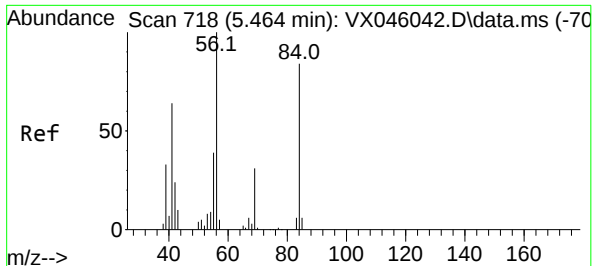
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

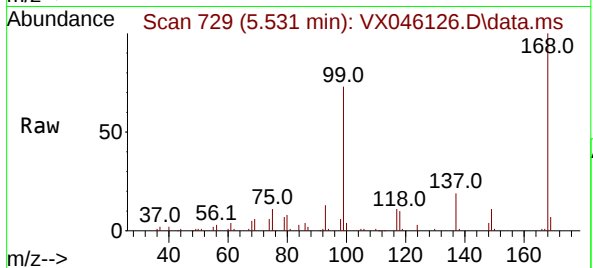
Tgt Ion: 84 Resp: 338
Ion Ratio Lower Upper
84 100
49 134.3 113.9 170.9
51 46.4 33.5 50.3
86 63.5 53.8 80.8



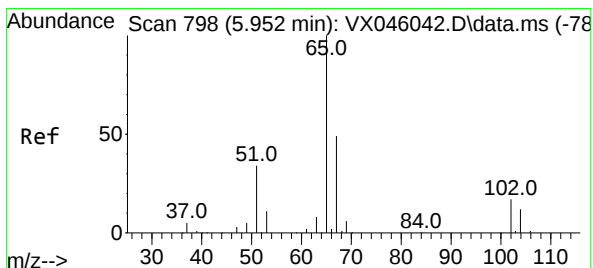
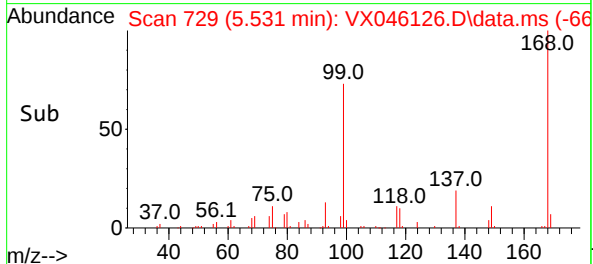
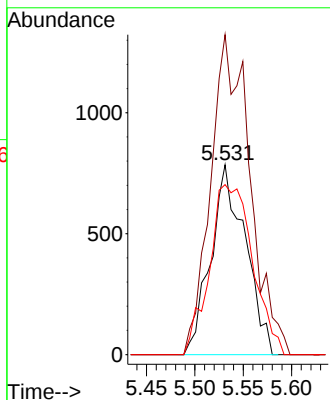


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

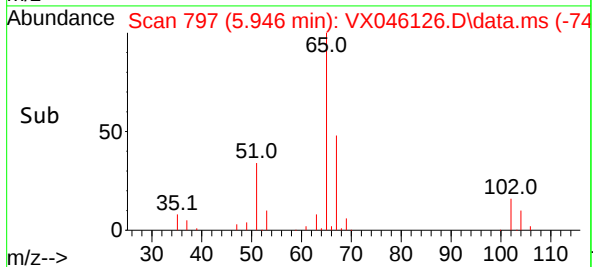
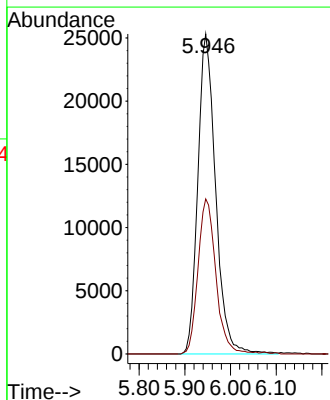
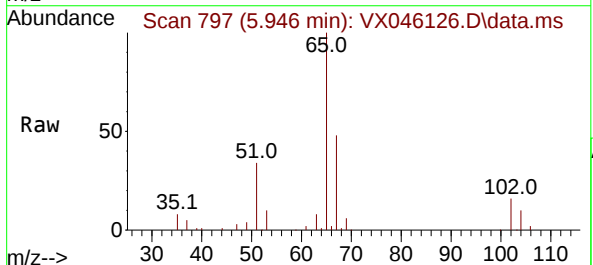


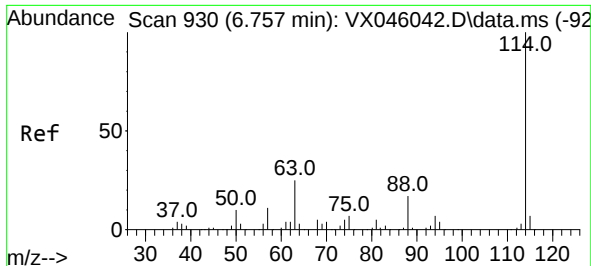
Tgt Ion: 56 Resp: 1947
Ion Ratio Lower Upper
56 100
69 168.5 24.4 36.6#
84 89.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 51.008 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 65 Resp: 68221
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

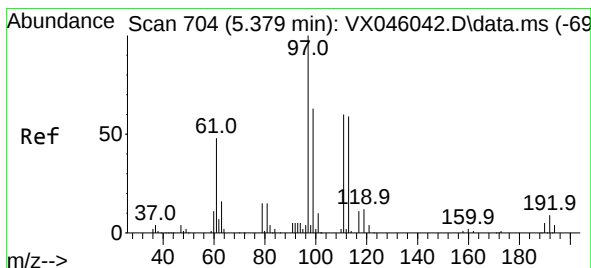
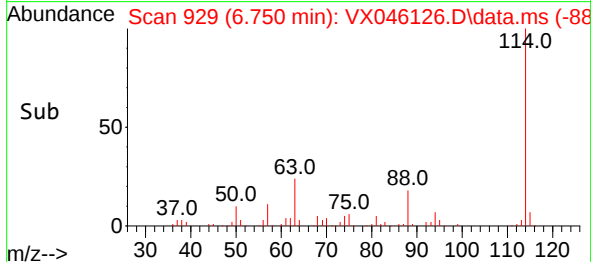
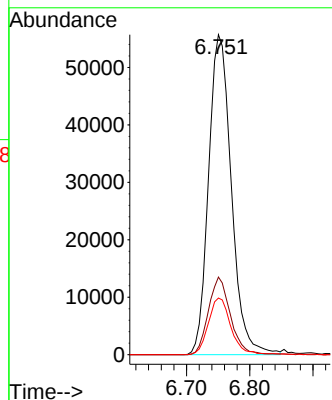
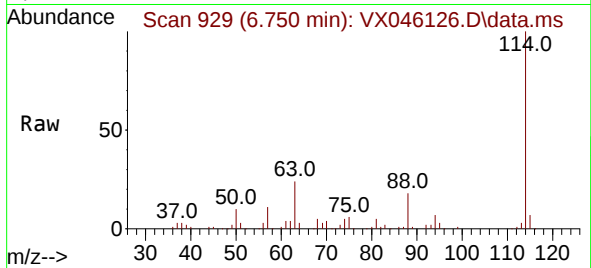




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

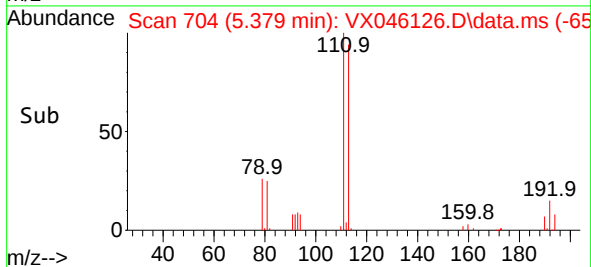
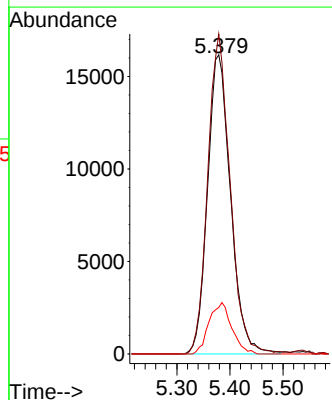
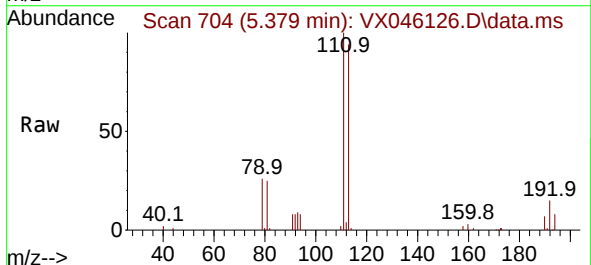
Instrument :
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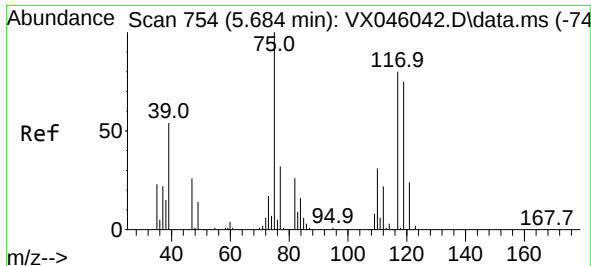
Tgt Ion:114 Resp: 139531
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.509 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion:113 Resp: 48740
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 17.0 13.3 19.9

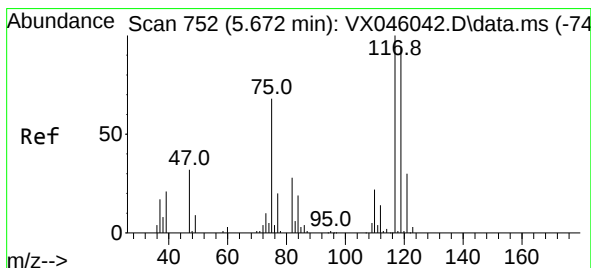
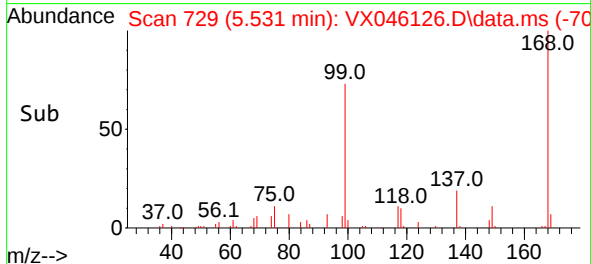
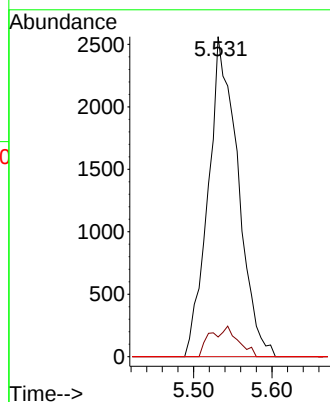
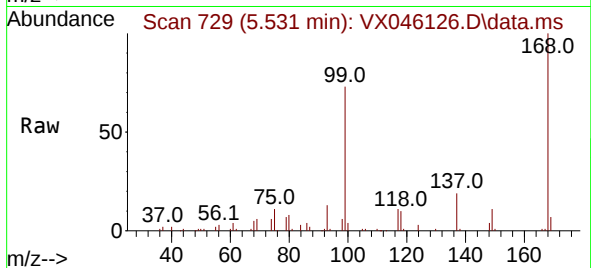




#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.531 min Scan# 710
Delta R.T. -0.153 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

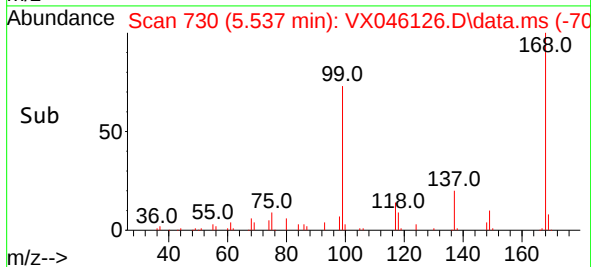
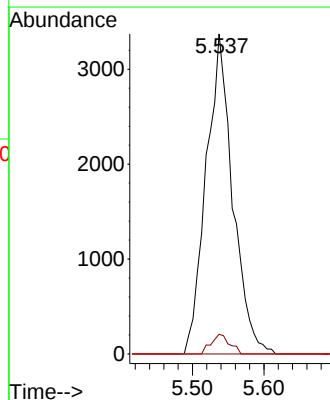
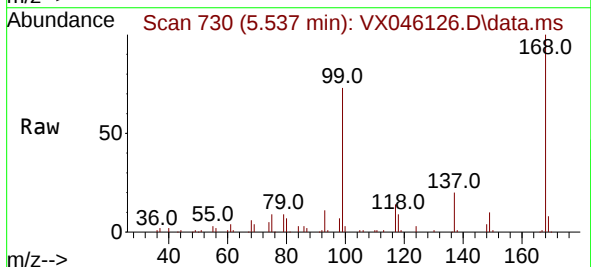
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

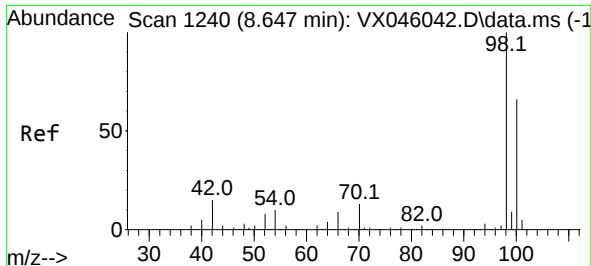
Tgt Ion: 75 Resp: 6756
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 117 Resp: 8705
Ion Ratio Lower Upper
117 100
119 6.1 75.2 112.8#
121 0.0 24.2 36.4#

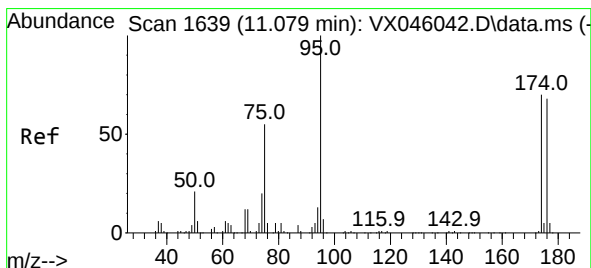
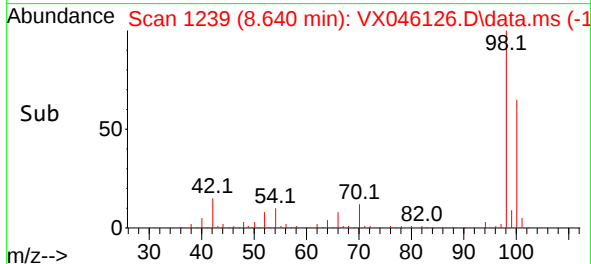
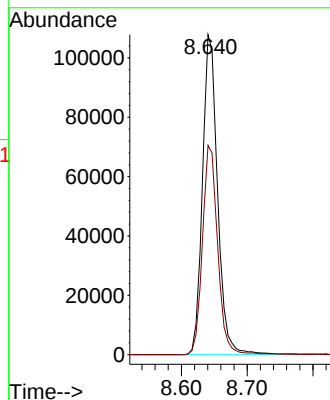
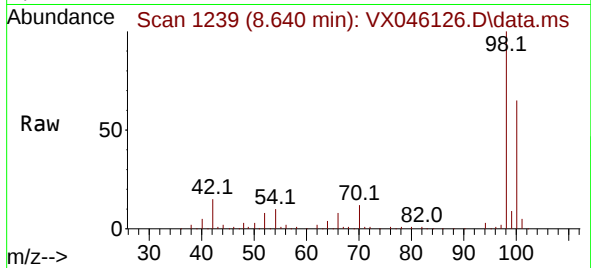




#50
Toluene-d8
Concen: 49.555 ug/l
RT: 8.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

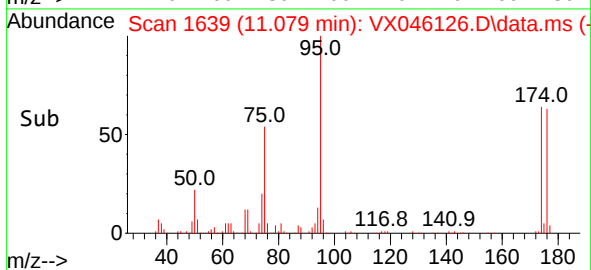
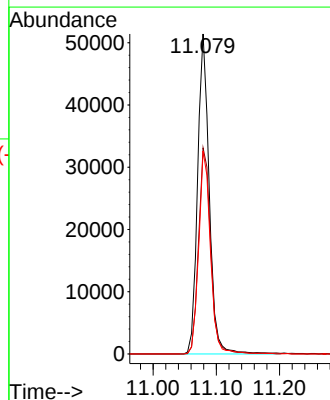
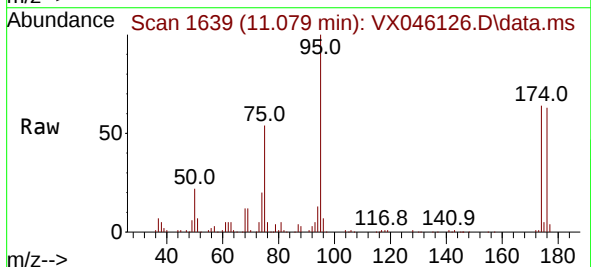
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

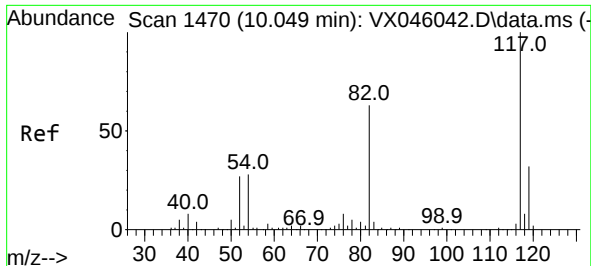
Tgt Ion: 98 Resp: 172334
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 49.369 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 95 Resp: 65857
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 64.2 0.0 131.4

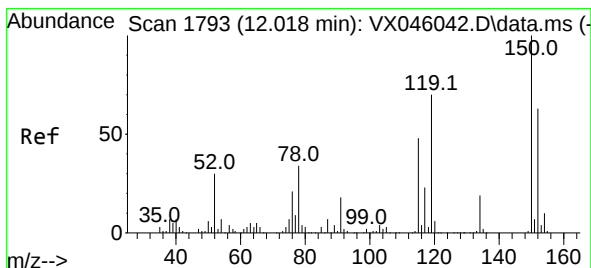
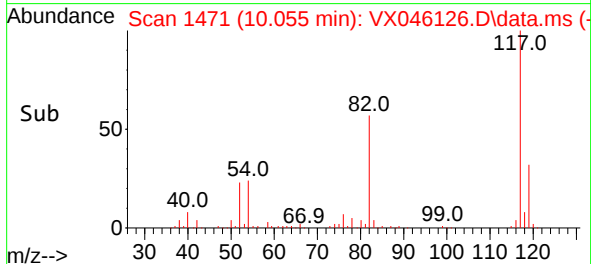
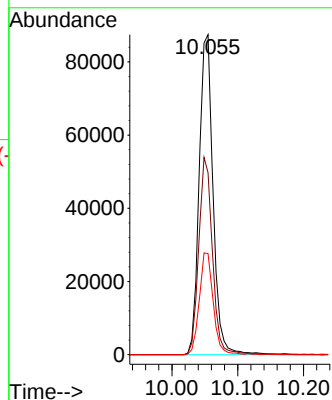
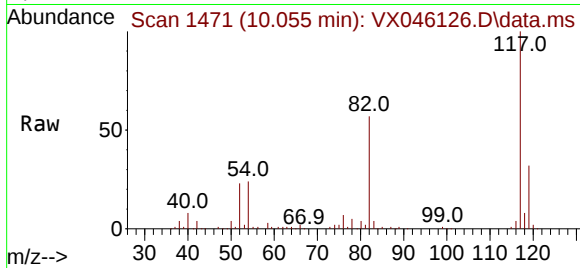




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

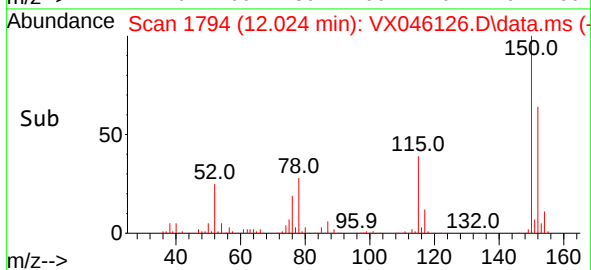
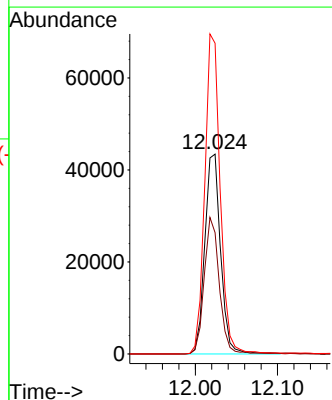
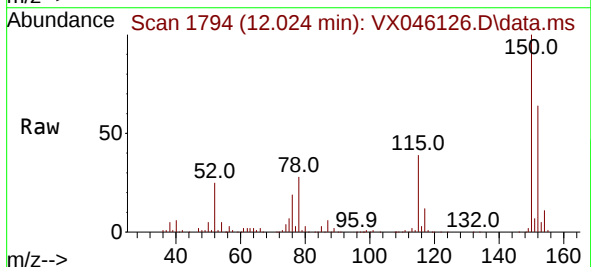
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

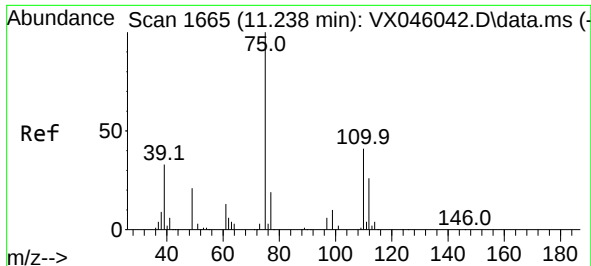
Tgt Ion:117 Resp: 128048
Ion Ratio Lower Upper
117 100
82 56.9 50.6 76.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion:152 Resp: 58110
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 156.8 0.0 351.0

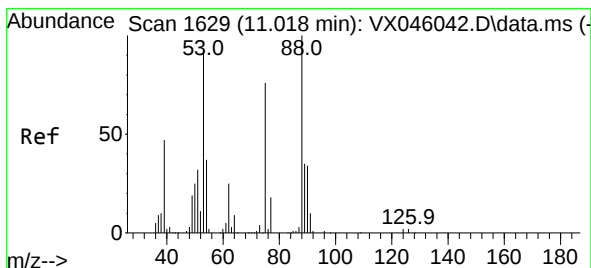
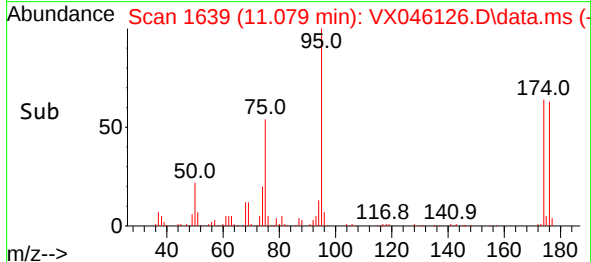
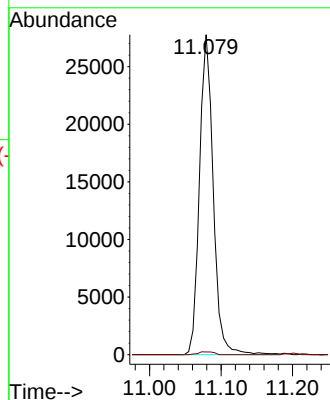
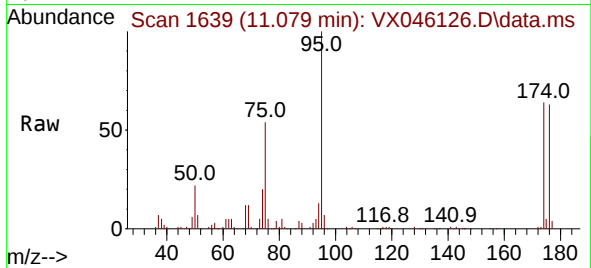




#76
1,2,3-Trichloropropane
Concen: 26.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

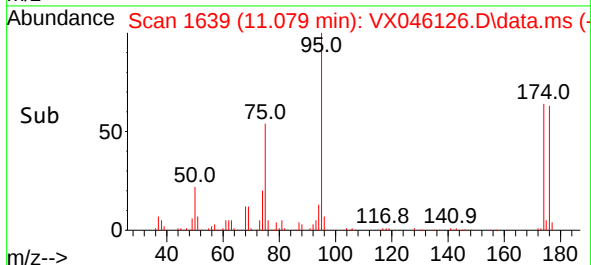
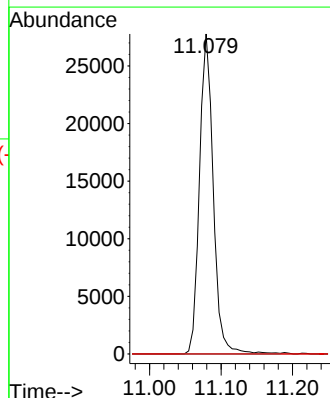
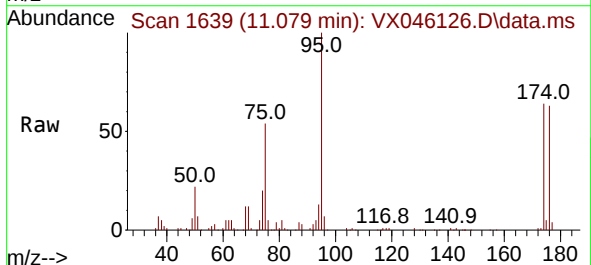
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

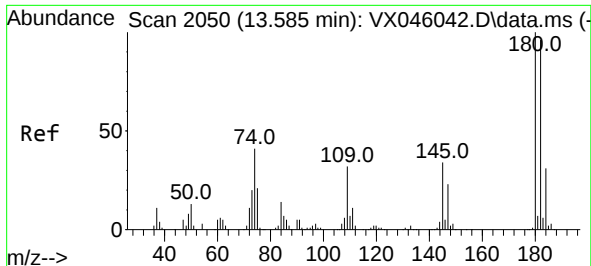
Tgt Ion: 75 Resp: 37127
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

Tgt Ion: 75 Resp: 37127
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

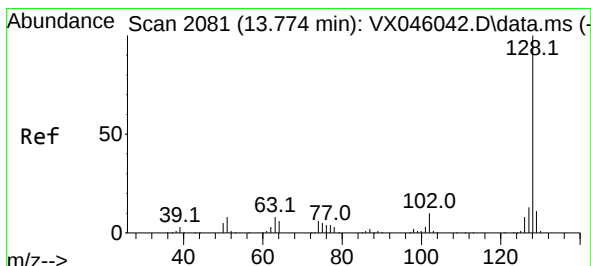
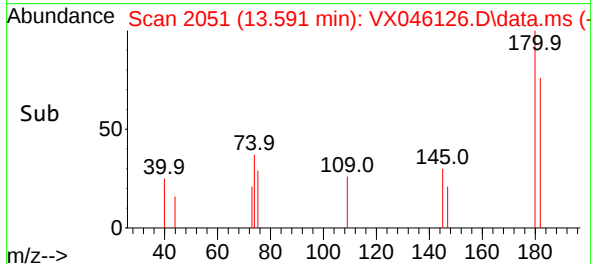
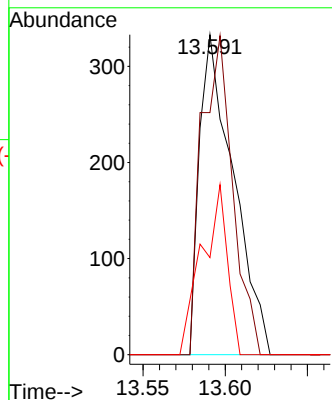
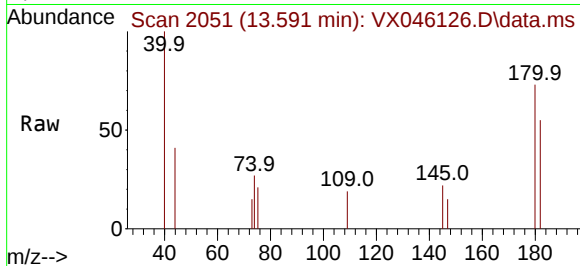




#93
1,2,4-Trichlorobenzene
Concen: 0.433 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

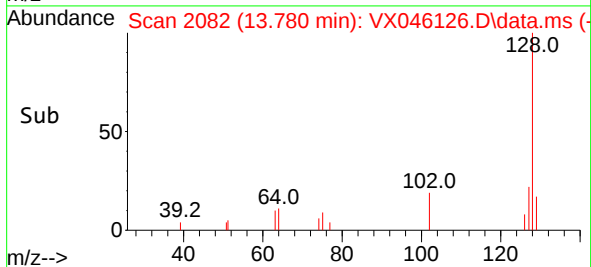
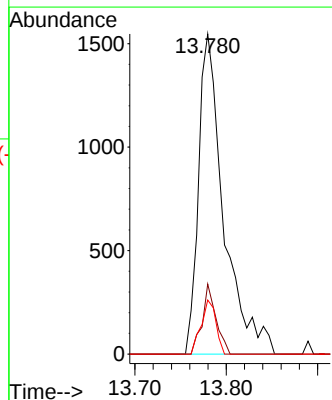
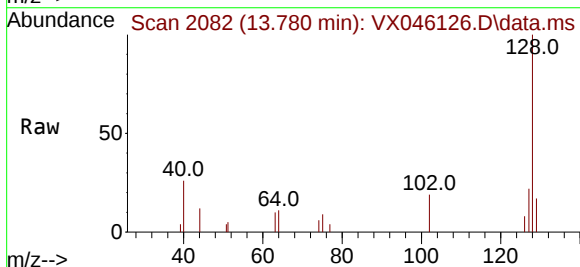
Instrument :
MSVOA_X
ClientSampleId :
VX0512MBL01

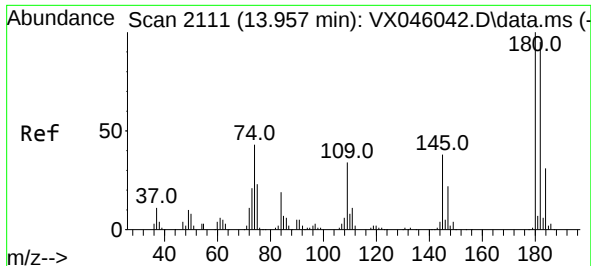
Tgt Ion:180 Resp: 478
Ion Ratio Lower Upper
180 100
182 90.6 47.9 143.8
145 40.0 17.1 51.2



#95
Naphthalene
Concen: 0.729 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046126.D
Acq: 12 May 2025 10:27

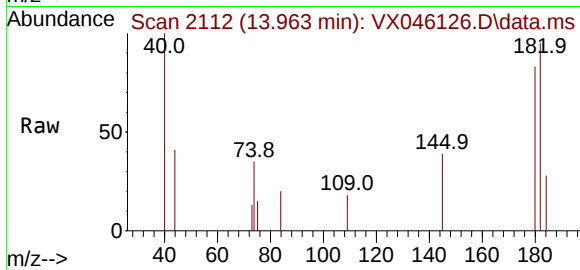
Tgt Ion:128 Resp: 2953
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 9.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.582 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX046126.D
 Acq: 12 May 2025 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512MBL01



Tgt Ion:	180	Resp:	664
Ion	Ratio	Lower	Upper
180	100		
182	75.0	47.8	143.3
145	28.3	18.1	54.3

