

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046203.D
 Acq On : 15 May 2025 11:01
 Operator : JC/MD
 Sample : Q2018-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:02:16 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)

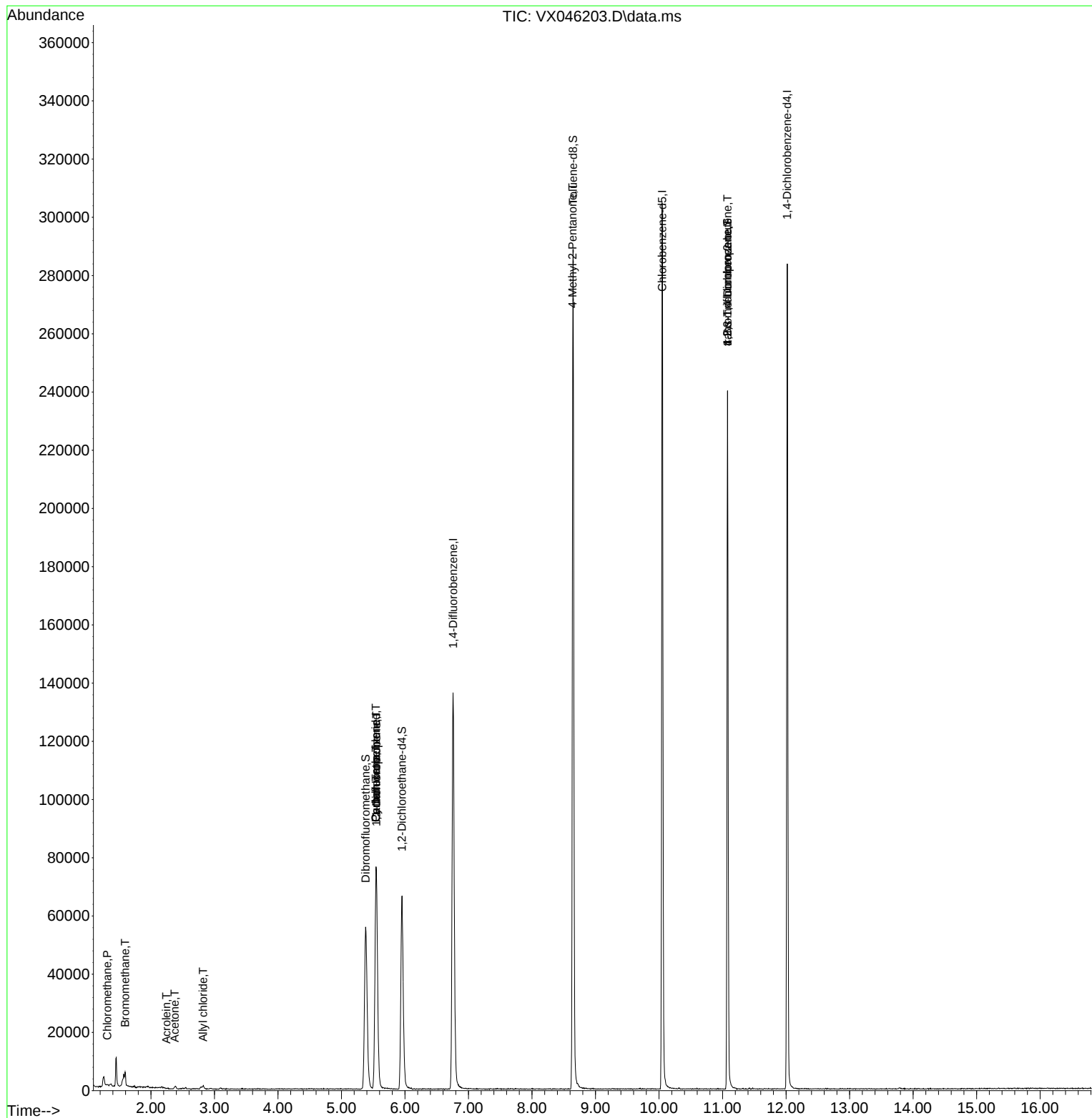
Internal Standards						
1) Pentafluorobenzene	5.544	168	63676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66440	55.967	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.940%	
35) Dibromofluoromethane	5.379	113	48259	51.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	8.647	98	163958	50.334	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	11.079	95	62753	50.223	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	401	0.424	ug/l #	45
5) Bromomethane	1.593	94	105	0.257	ug/l	93
13) Acrolein	2.239	56	70	0.369	ug/l #	15
14) Allyl chloride	2.819	41	311	0.216	ug/l #	67
16) Acetone	2.374	43	1128	2.370	ug/l #	81
31) Cyclohexane	5.544	56	1846	1.305	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	6559	5.187	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7851	5.526	ug/l #	16
51) 4-Methyl-2-Pentanone	8.641	43	879	0.556	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35639	28.186	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35639	91.765	ug/l #	1

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

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Response via : Initial Calibration



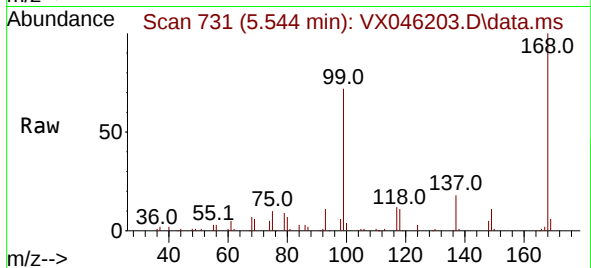


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

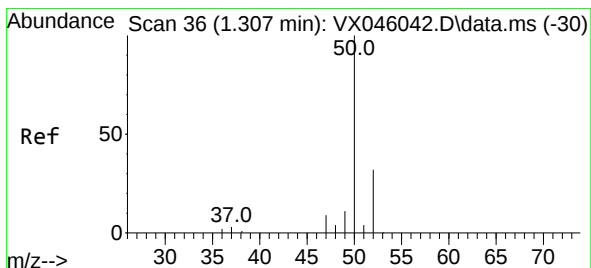
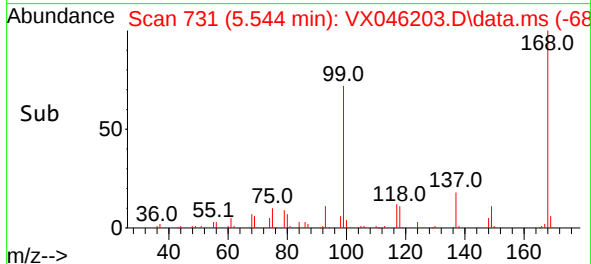
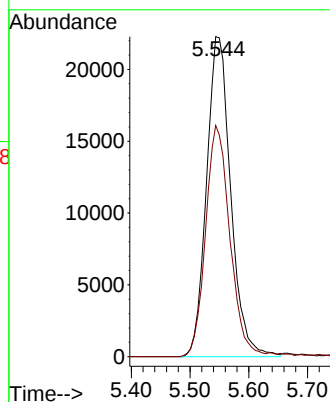
Instrument :

MSVOA_X

ClientSampleId :

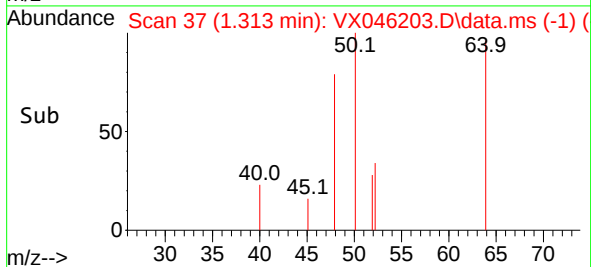
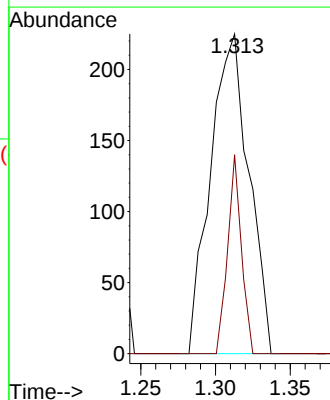
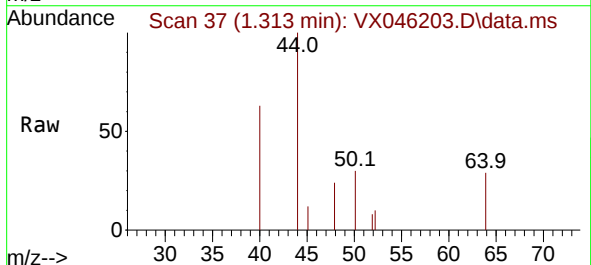


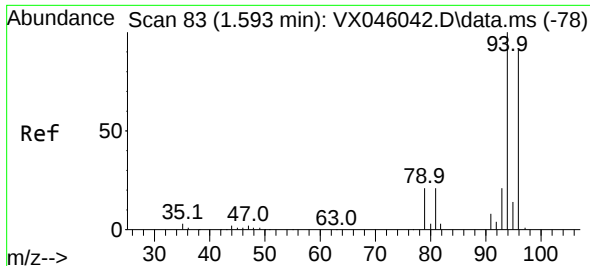
Tgt Ion:168 Resp: 63676
Ion Ratio Lower Upper
168 100
99 72.3 54.9 82.3



#3
Chloromethane
Concen: 0.424 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

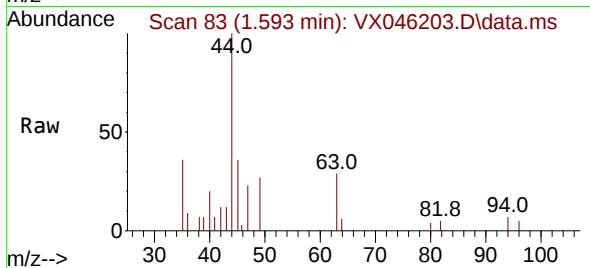
Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 62.2 25.4 38.2#



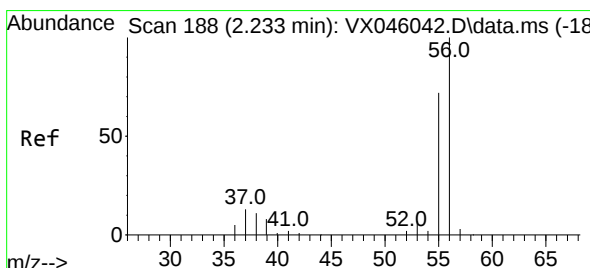
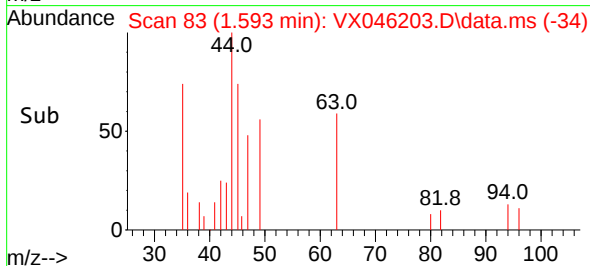
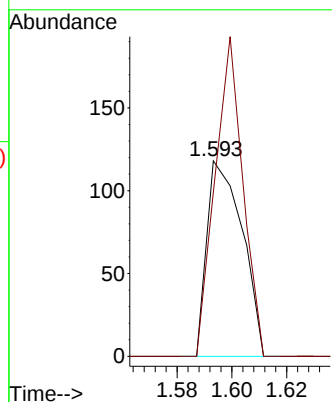


#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :

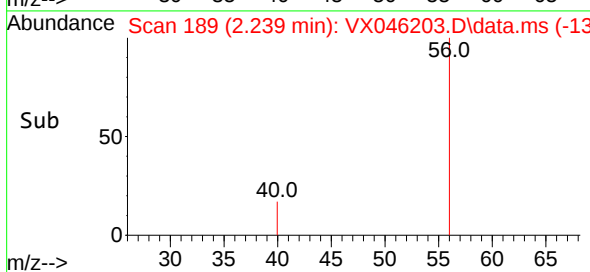
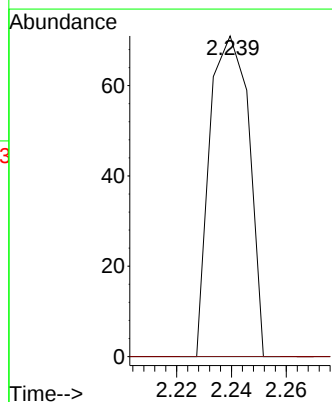
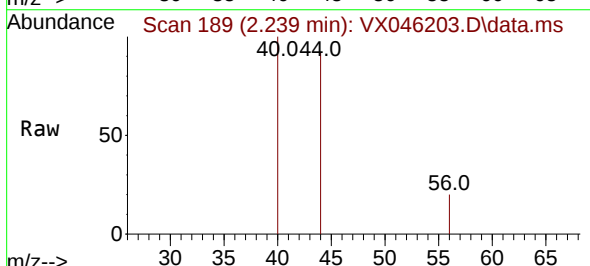


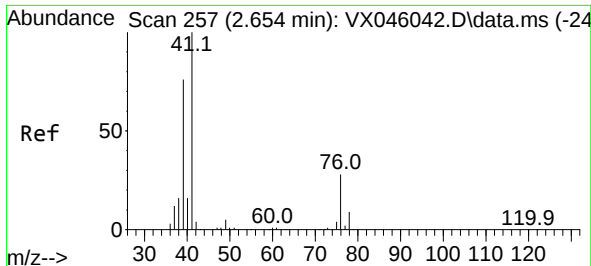
Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 83.9 72.8 109.2



#13
Acrolein
Concen: 0.369 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#14

Allyl chloride

Concen: 0.216 ug/l

RT: 2.819 min Scan# 211

Delta R.T. 0.165 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

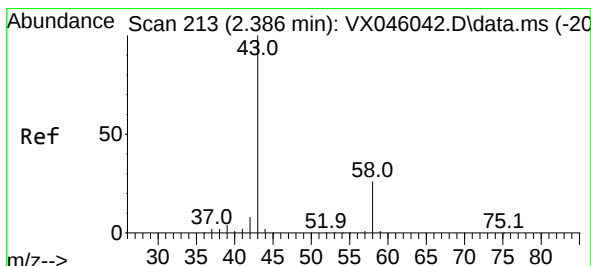
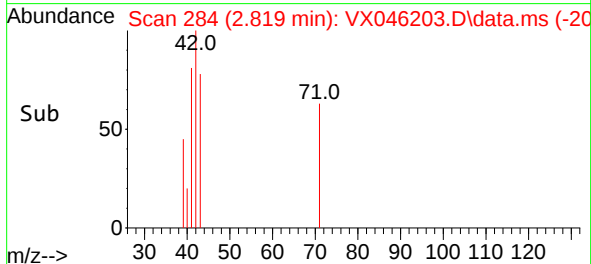
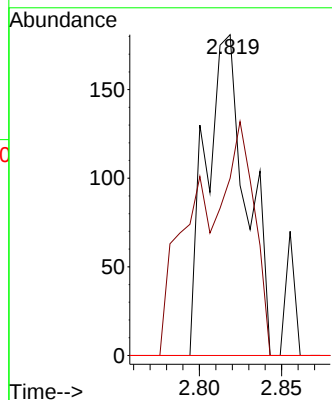
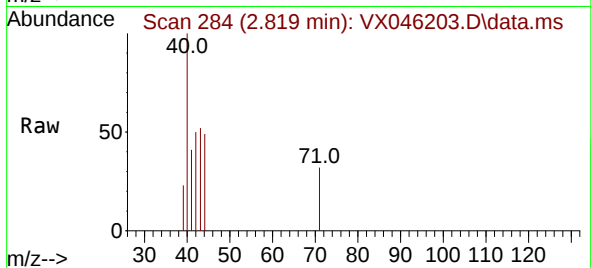
Tgt Ion: 41 Resp: 311

Ion Ratio Lower Upper

41 100

39 55.9 60.6 90.8#

76 0.0 24.9 37.3#



#16

Acetone

Concen: 2.370 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.012 min

Lab File: VX046203.D

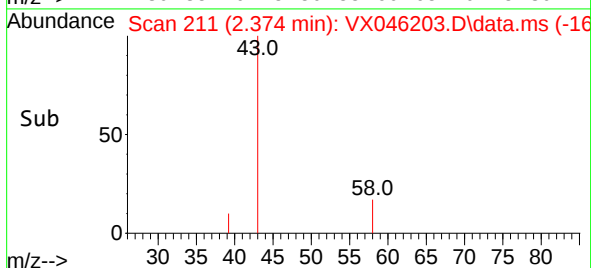
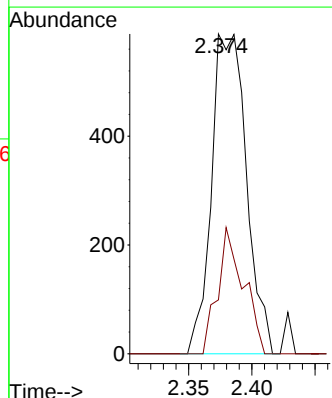
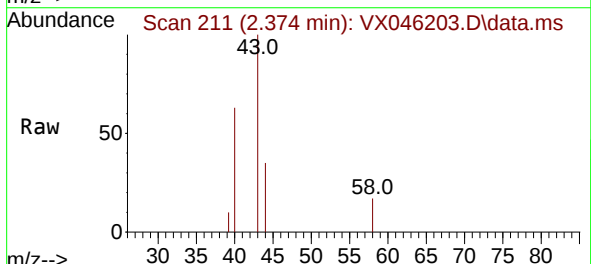
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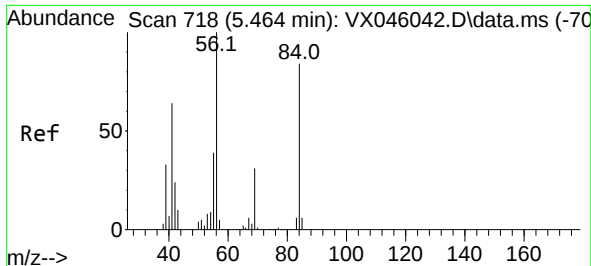
Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

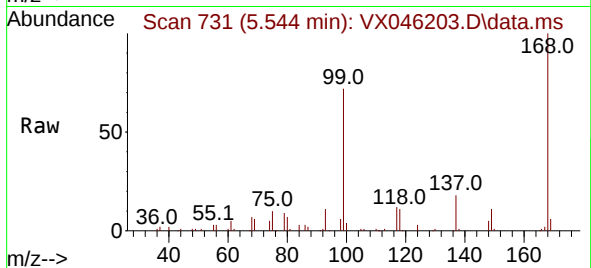
58 16.8 21.2 31.8#



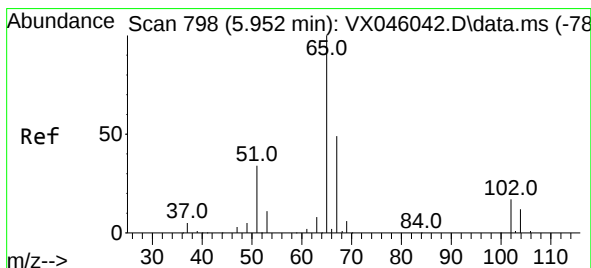
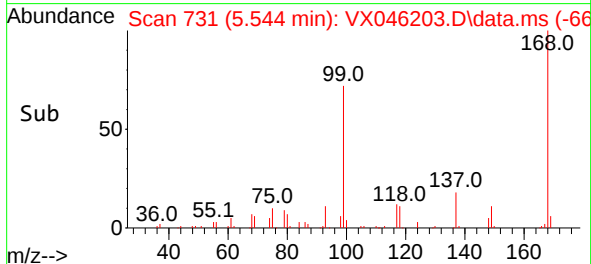
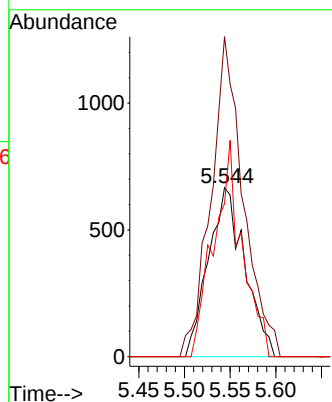


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :

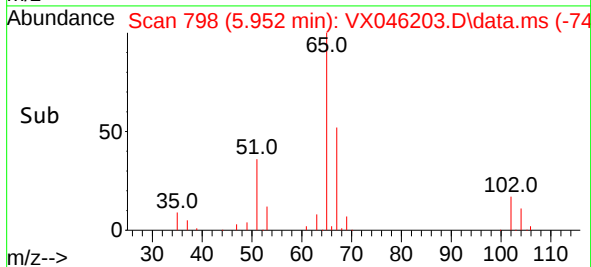
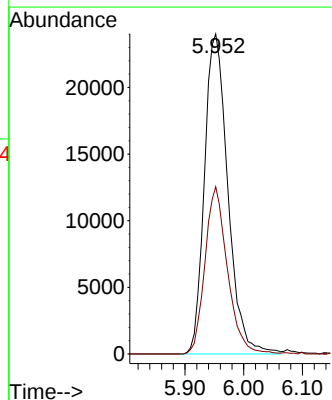
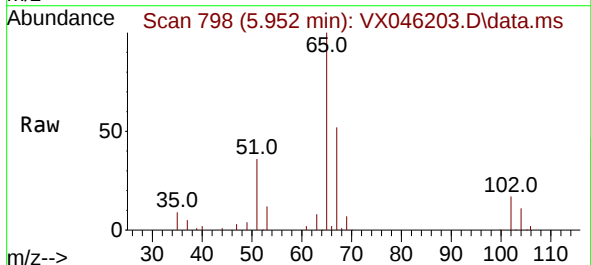


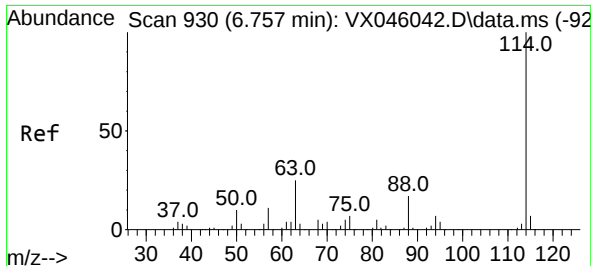
Tgt Ion: 56 Resp: 1846
Ion Ratio Lower Upper
56 100
69 189.5 24.4 36.6#
84 90.5 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 55.967 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Tgt Ion: 65 Resp: 66440
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

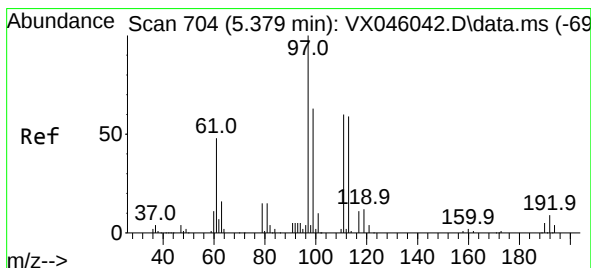
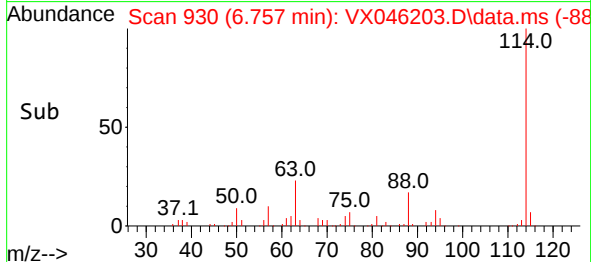
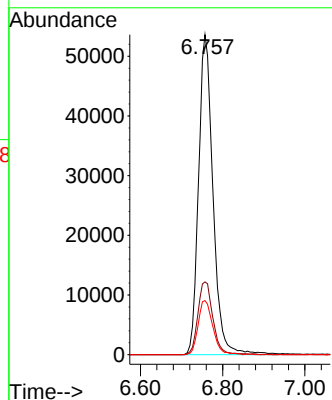
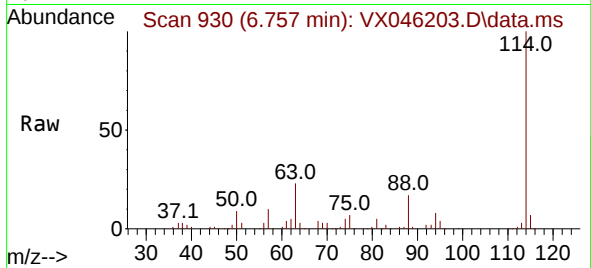




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

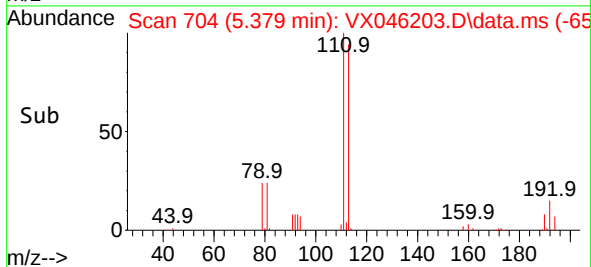
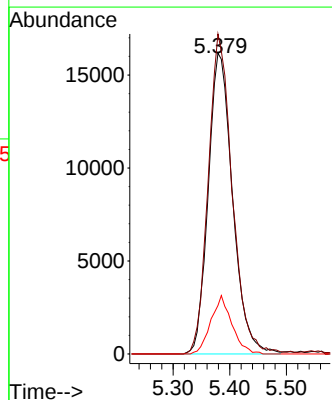
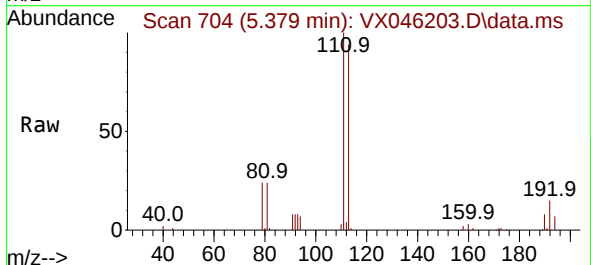
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MSVOA_X
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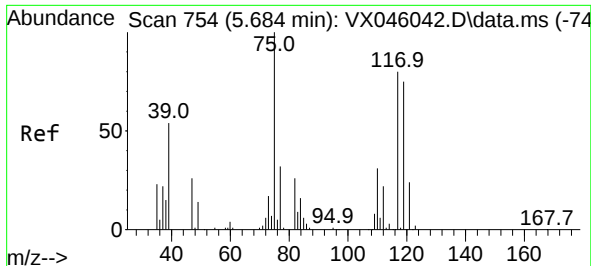
Tgt Ion:114 Resp: 130694
Ion Ratio Lower Upper
114 100
63 22.8 0.0 49.2
88 16.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

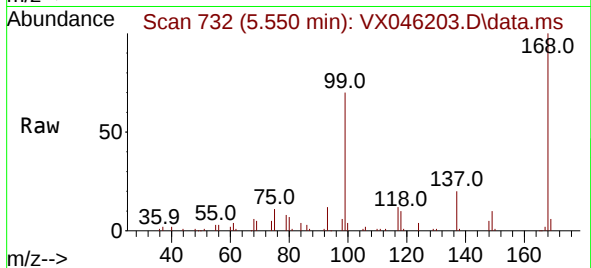
Tgt Ion:113 Resp: 48259
Ion Ratio Lower Upper
113 100
111 104.6 83.1 124.7
192 16.8 13.3 19.9



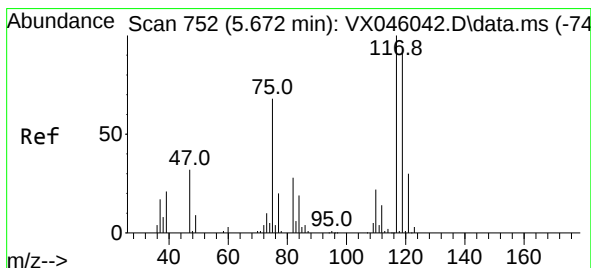
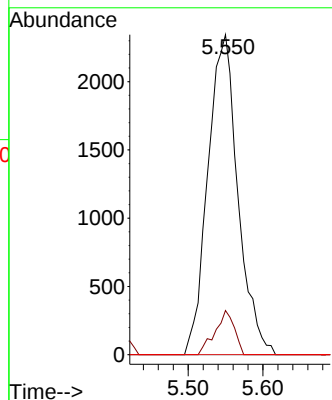
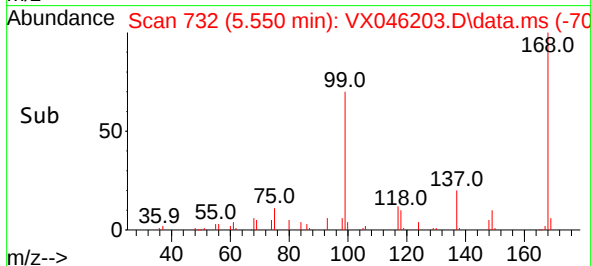


#36
 1,1-Dichloropropene
 Concen: 5.187 ug/l
 RT: 5.550 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX046203.D
 Acq: 15 May 2025 11:01

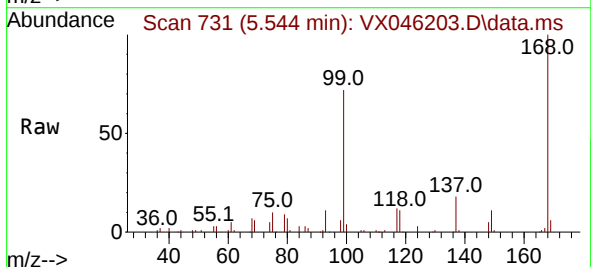
Instrument :
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 ClientSampleId :



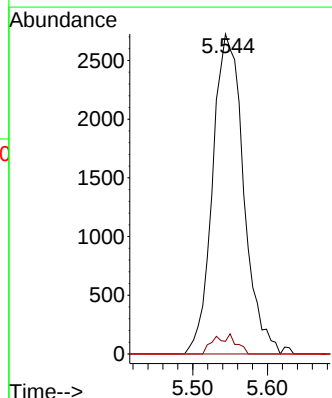
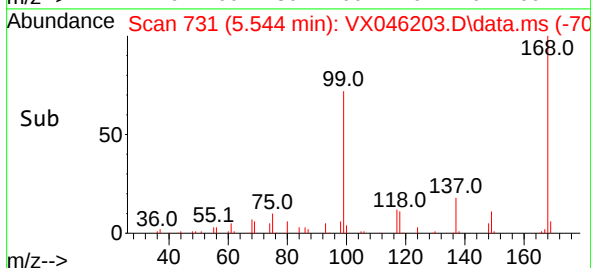
Tgt Ion: 75 Resp: 6559
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.3 48.9#
 77 0.0 24.3 36.5#

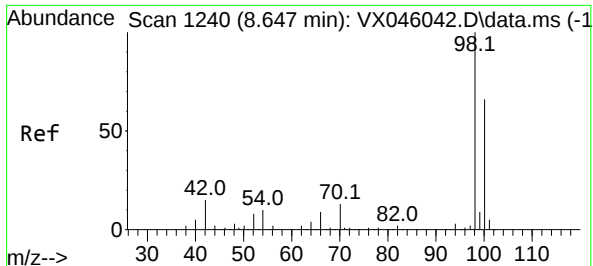


#38
 Carbon Tetrachloride
 Concen: 5.526 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX046203.D
 Acq: 15 May 2025 11:01



Tgt Ion: 117 Resp: 7851
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.2 112.8#
 121 0.0 24.2 36.4#

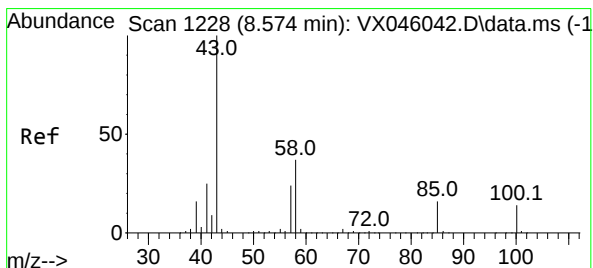
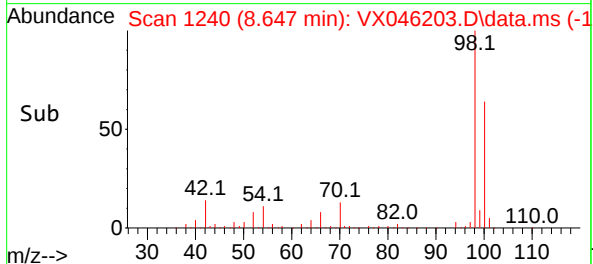
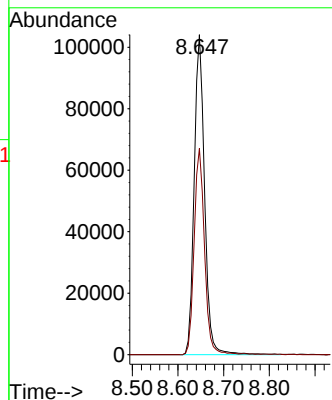
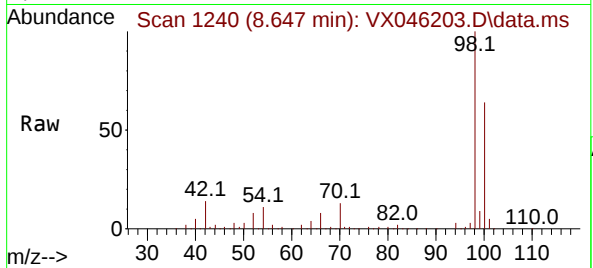




#50
Toluene-d8
Concen: 50.334 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

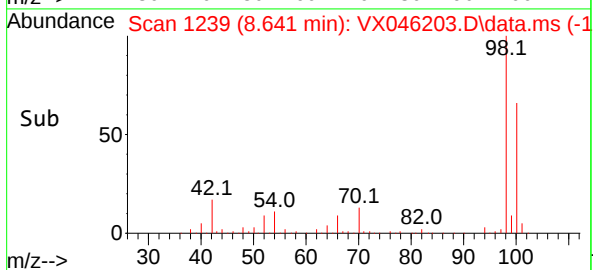
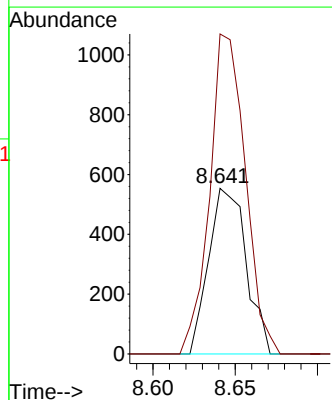
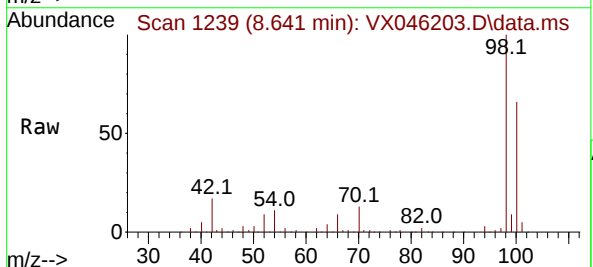
Instrument :
MSVOA_X
ClientSampleId :

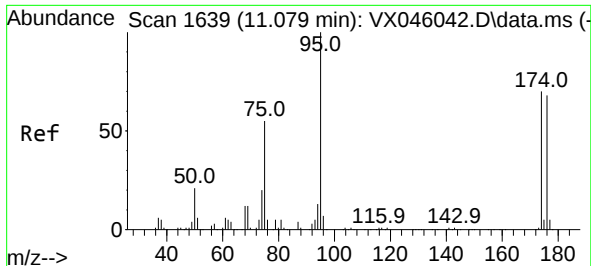
Tgt Ion: 98 Resp: 163958
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 183.8 28.9 43.3#





#62

4-Bromofluorobenzene

Concen: 50.223 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

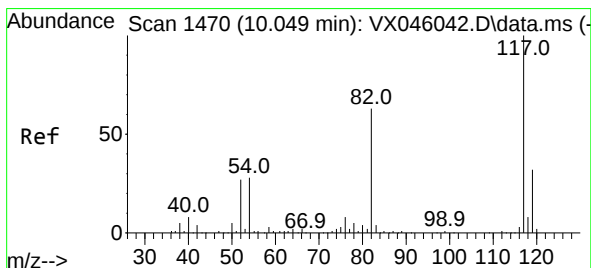
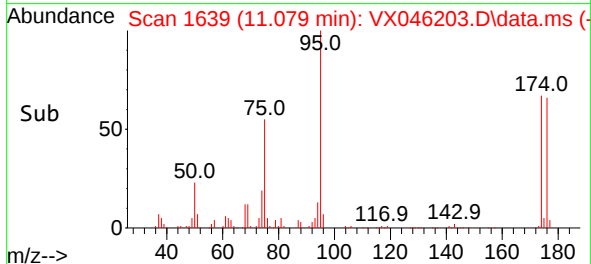
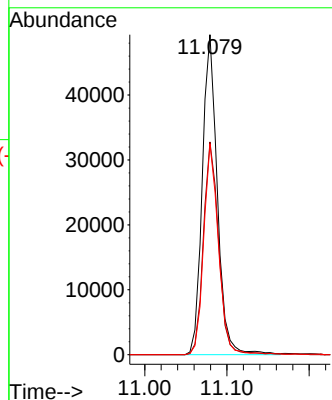
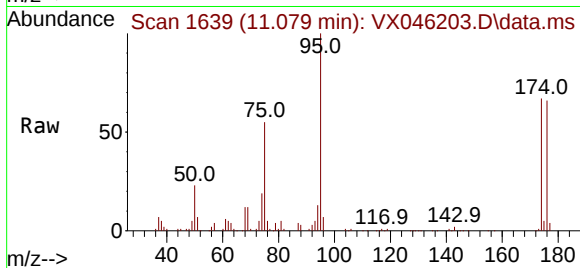
Tgt Ion: 95 Resp: 62753

Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 64.8 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: VX046203.D

Acq: 15 May 2025 11:01

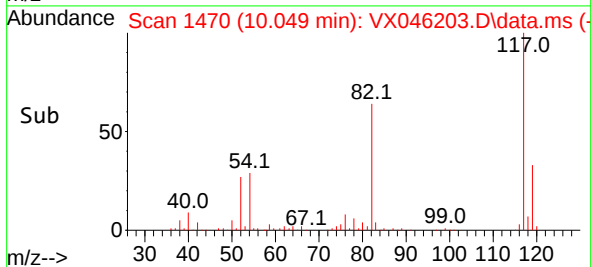
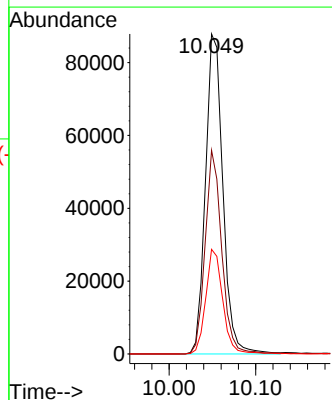
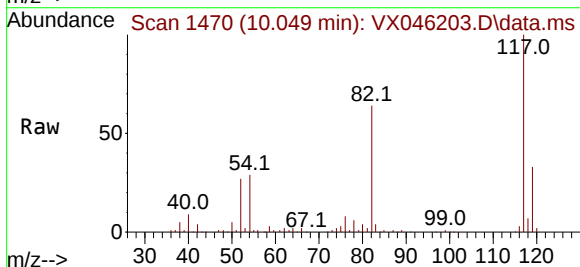
Tgt Ion: 117 Resp: 122640

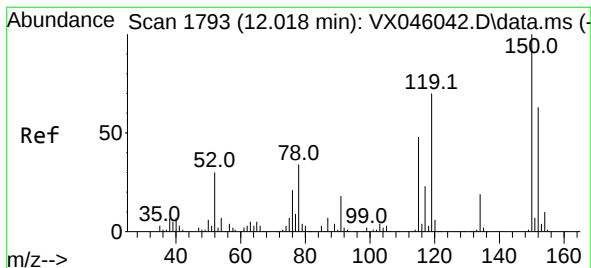
Ion Ratio Lower Upper

117 100

82 63.6 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# 11

Delta R.T. 0.000 min

Lab File: VX046203.D

Acq: 15 May 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

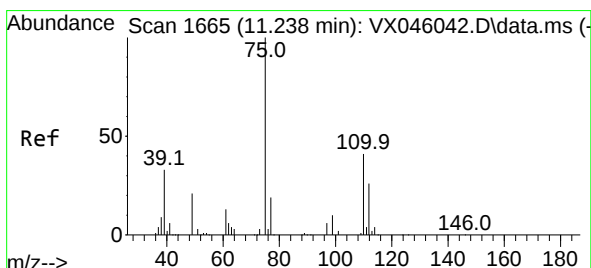
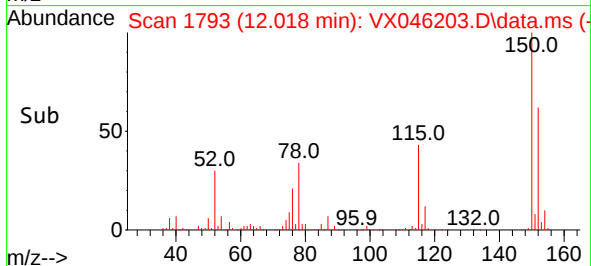
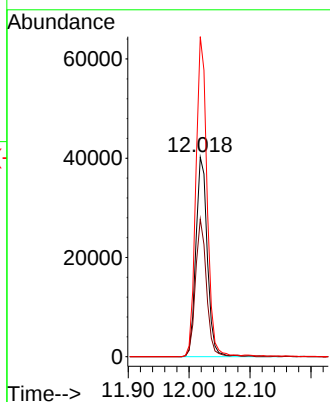
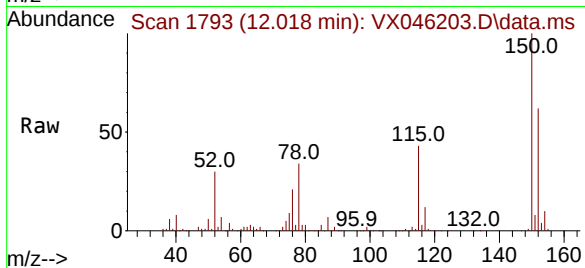
Tgt Ion:152 Resp: 52530

Ion Ratio Lower Upper

152 100

115 65.7 46.9 140.7

150 156.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 28.186 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046203.D

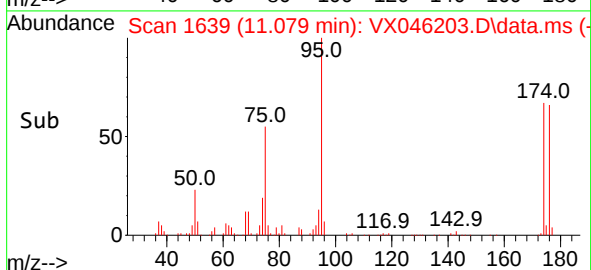
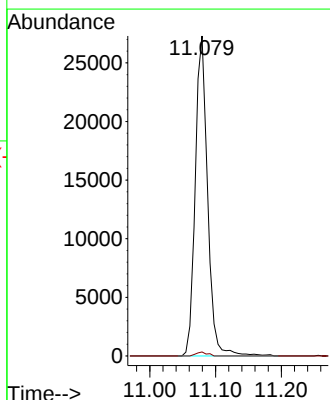
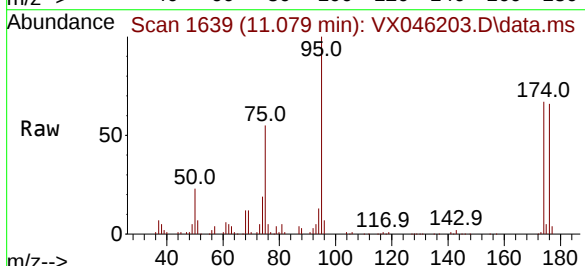
Acq: 15 May 2025 11:01

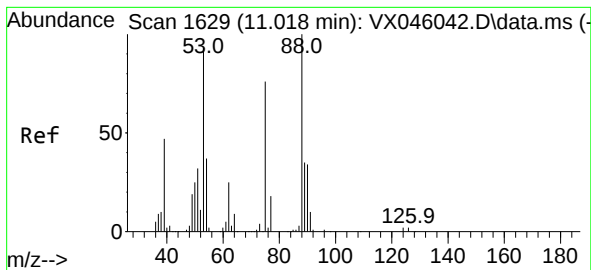
Tgt Ion: 75 Resp: 35639

Ion Ratio Lower Upper

75 100

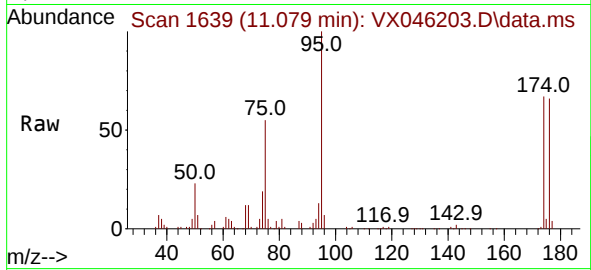
77 1.1 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.765 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046203.D
Acq: 15 May 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 35639
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

