

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046643.D
 Acq On : 11 Jun 2025 17:31
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 12 02:34:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	113796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	224937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96176	47.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.000%
35) Dibromofluoromethane	5.403	113	81859	49.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.980%
50) Toluene-d8	8.653	98	288717	52.940	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.880%
62) 4-Bromofluorobenzene	11.079	95	126916	56.247	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.500%

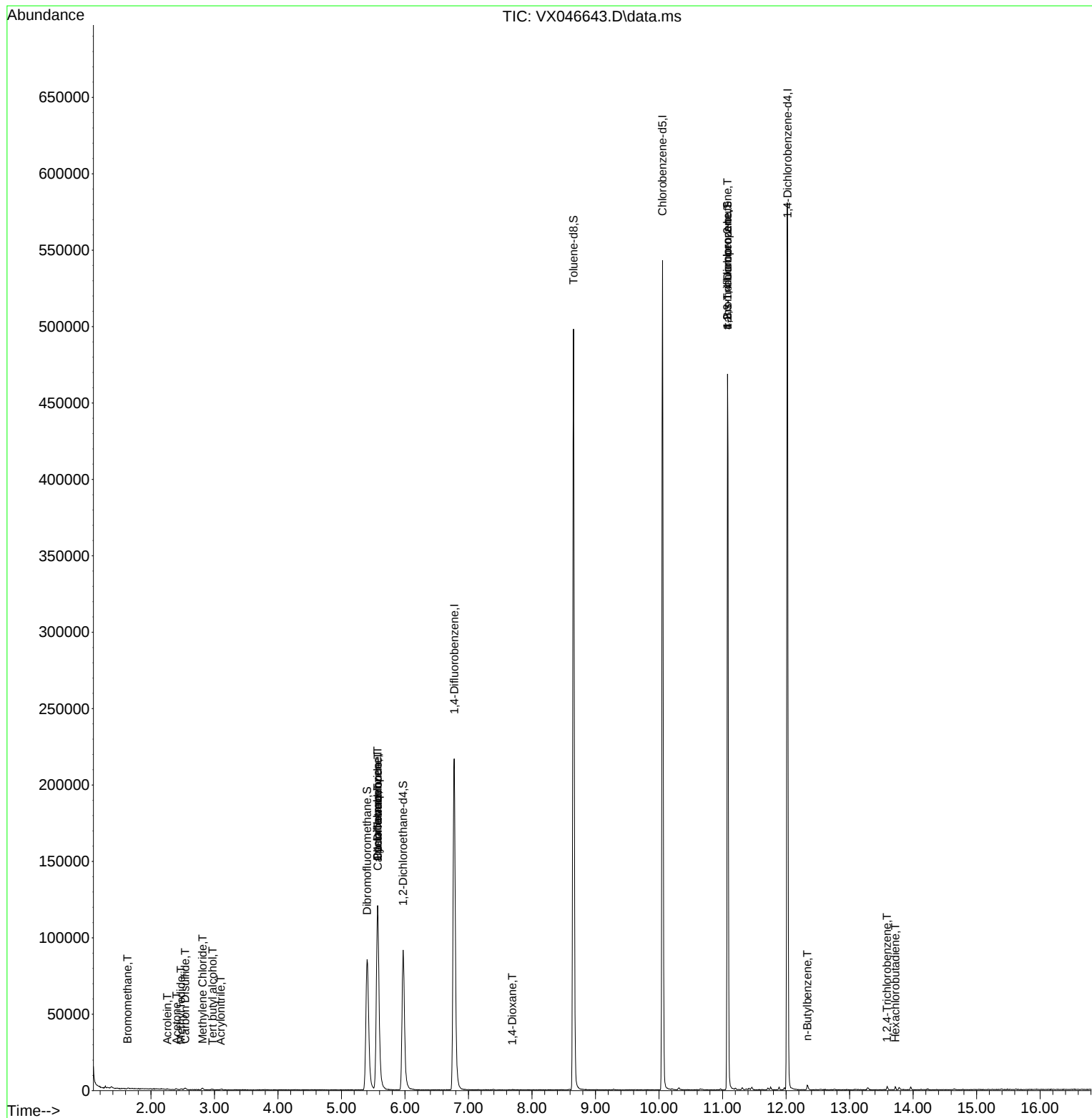
Target Compounds			Qvalue			
5) Bromomethane	1.630	94	227	0.261	ug/l #	66
10) Methyl Iodide	2.471	142	909	0.561	ug/l #	86
11) Tert butyl alcohol	2.971	59	204	0.908	ug/l #	72
13) Acrolein	2.258	56	124	30.407	ug/l	89
15) Acrylonitrile	3.099	53	293	0.345	ug/l #	69
16) Acetone	2.404	43	917	5.727	ug/l	99
17) Carbon Disulfide	2.538	76	1149	0.601	ug/l #	76
20) Methylene Chloride	2.812	84	657	0.405	ug/l #	50
31) Cyclohexane	5.568	56	2786	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10084	4.268	ug/l #	52
38) Carbon Tetrachloride	5.574	117	12723	4.807	ug/l #	17
49) 1,4-Dioxane	7.690	88	185	6.688	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	67164	27.317	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67164	78.799	ug/l #	1
89) n-Butylbenzene	12.335	91	1641	0.202	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	680	0.251	ug/l	93
94) Hexachlorobutadiene	13.719	225	313	0.249	ug/l	85

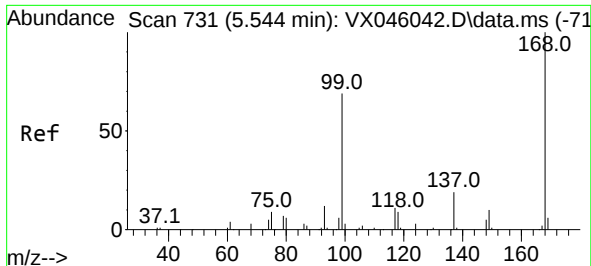
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046643.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

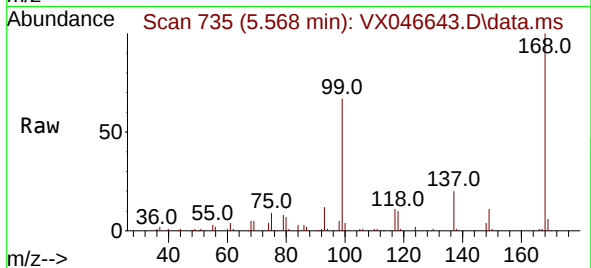
Quant Time: Jun 12 02:34:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



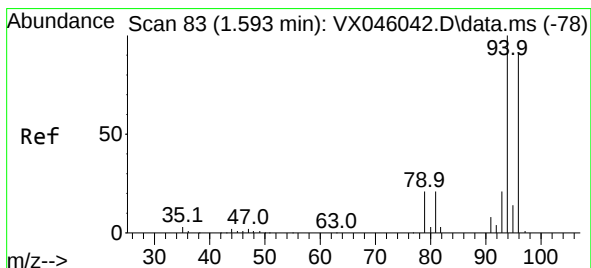
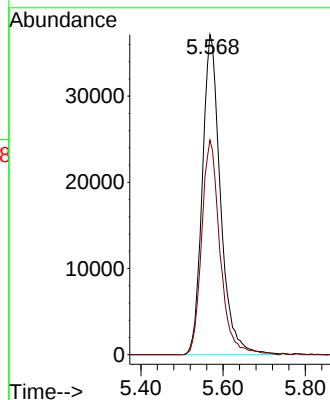
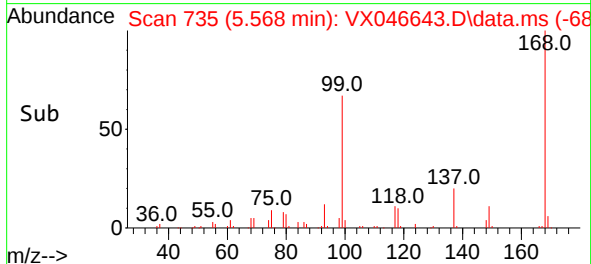


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

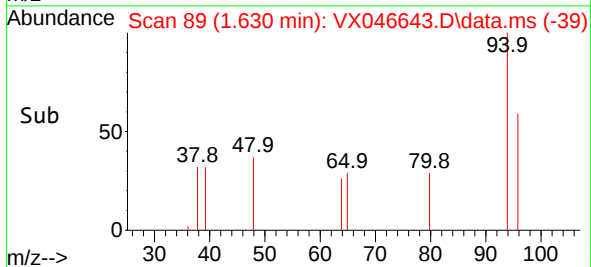
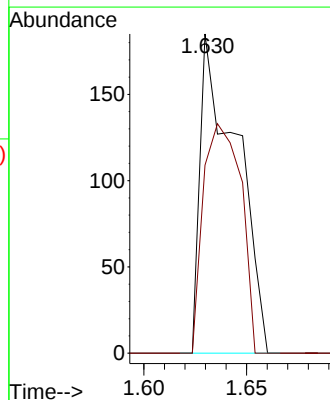
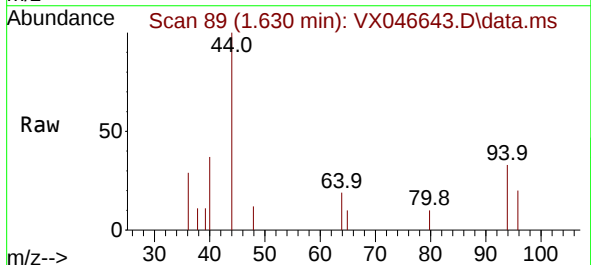


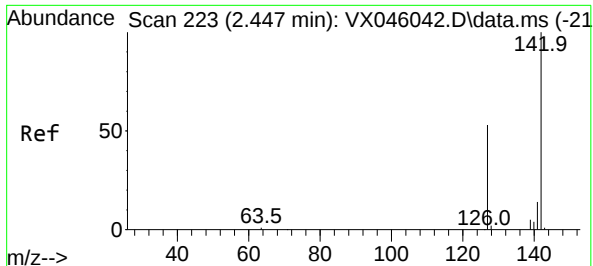
Tgt Ion:168 Resp: 113796
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

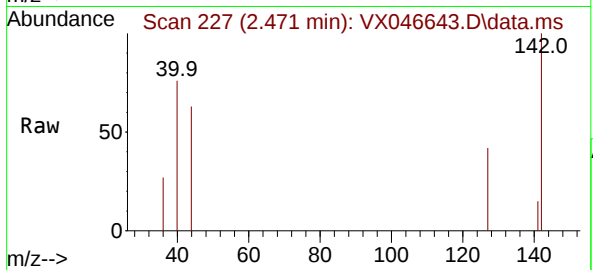
Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 58.9 72.8 109.2#



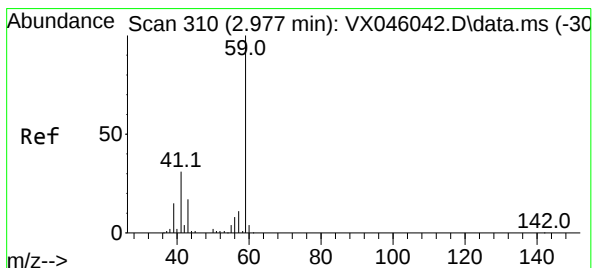
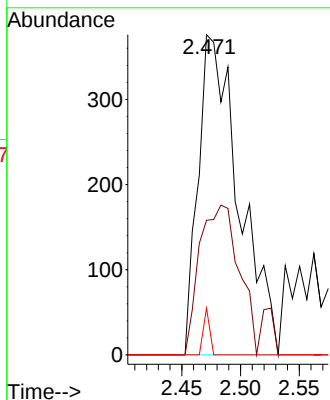
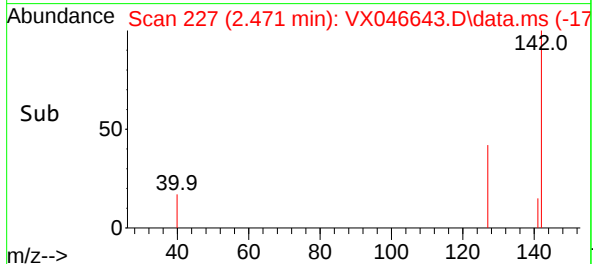


#10
Methyl Iodide
Concen: 0.561 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Instrument :
MSVOA_X
ClientSampleId :
IBLK

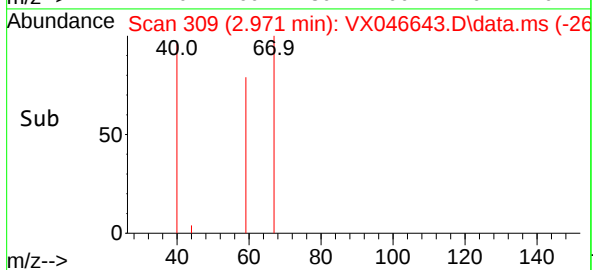
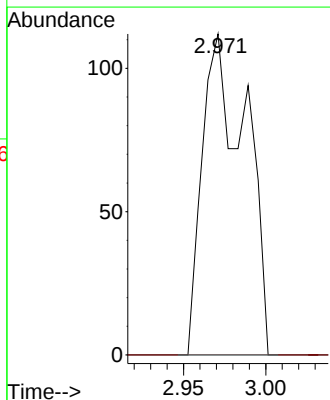
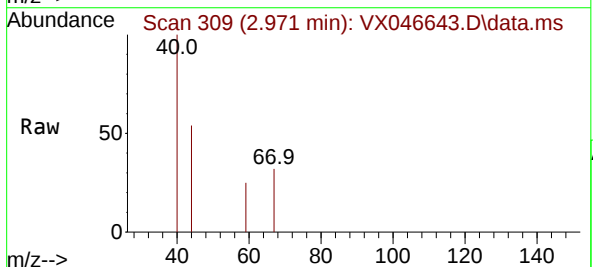


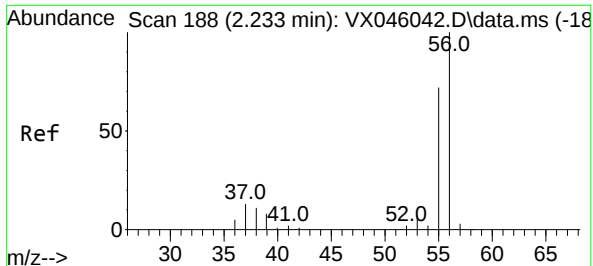
Tgt Ion:142 Resp: 909
Ion Ratio Lower Upper
142 100
127 45.1 41.7 62.5
141 2.2 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.908 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

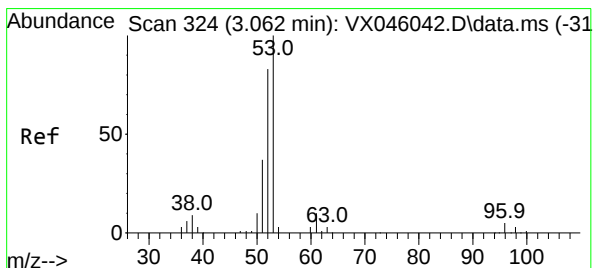
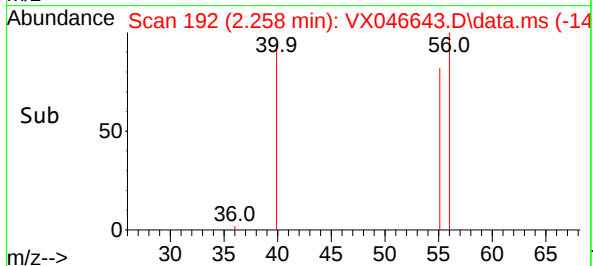
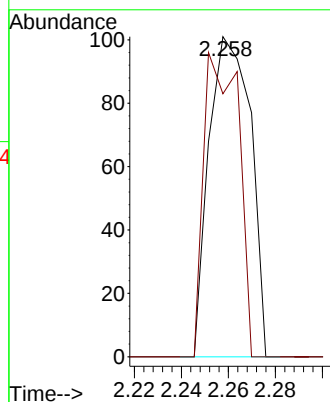
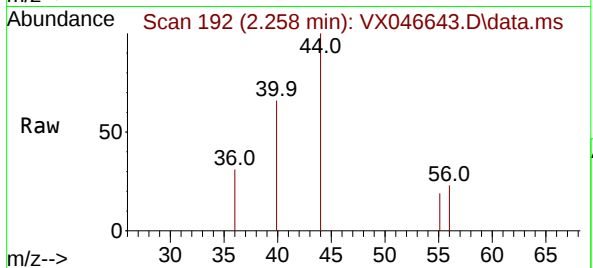




#13
Acrolein
Concen: 30.407 ug/l
RT: 2.258 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

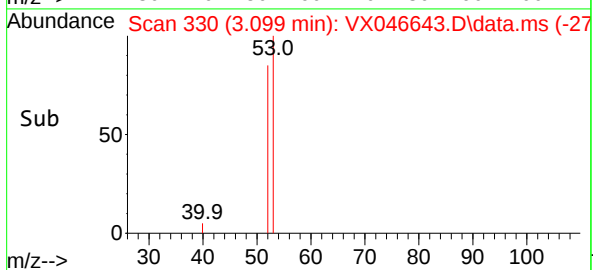
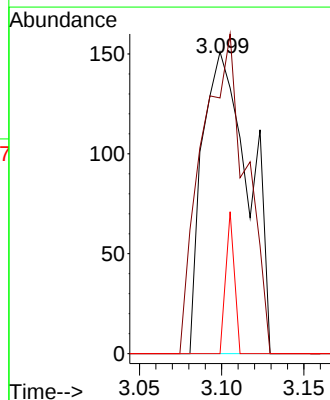
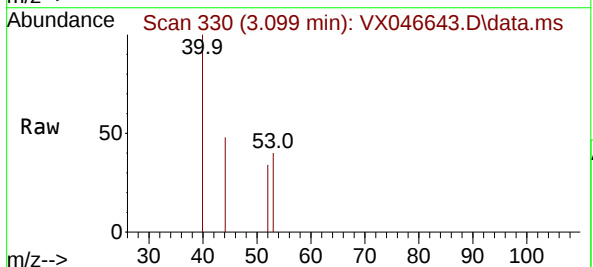
Instrument :
MSVOA_X
ClientSampleId :
IBLK

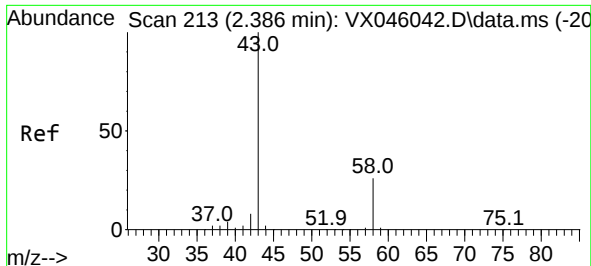
Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 79.0 56.2 84.4



#15
Acrylonitrile
Concen: 0.345 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.018 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion: 53 Resp: 293
Ion Ratio Lower Upper
53 100
52 102.4 65.3 97.9#
51 8.9 29.8 44.8#

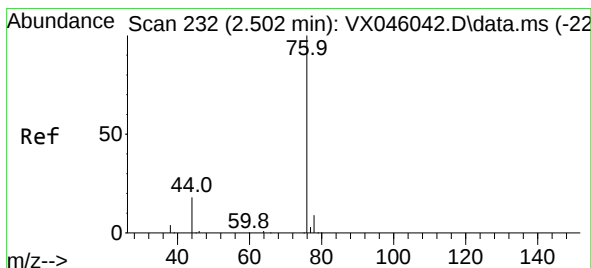
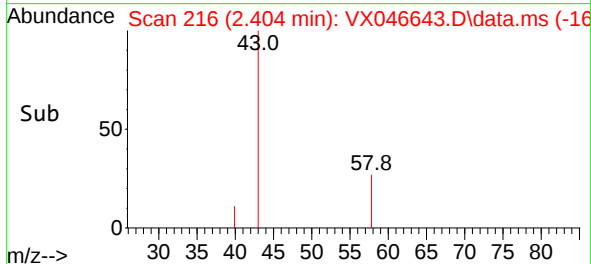
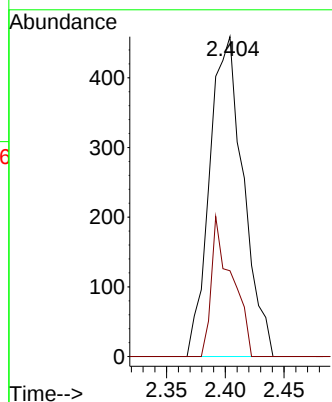
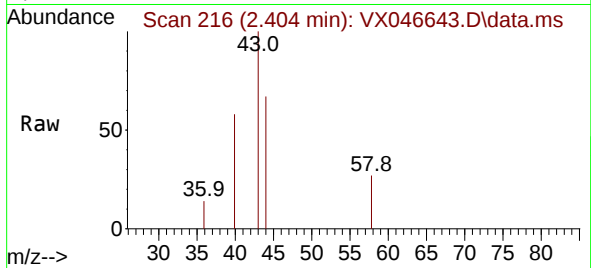




#16
Acetone
Concen: 5.727 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

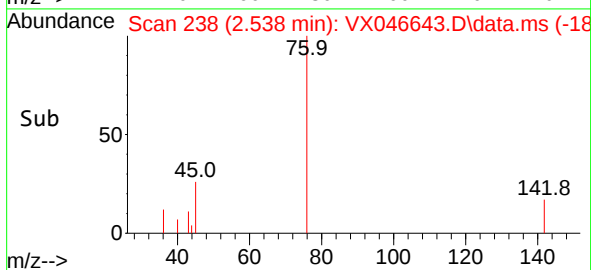
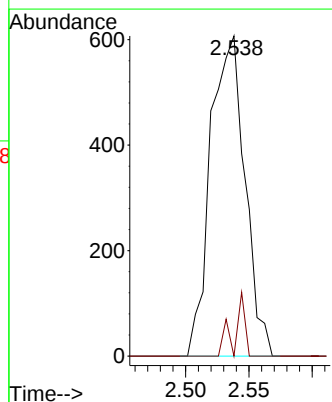
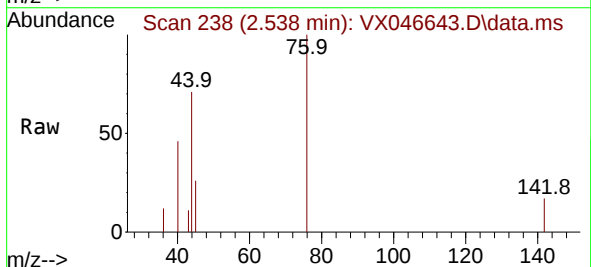
Instrument :
MSVOA_X
ClientSampleId :
IBLK

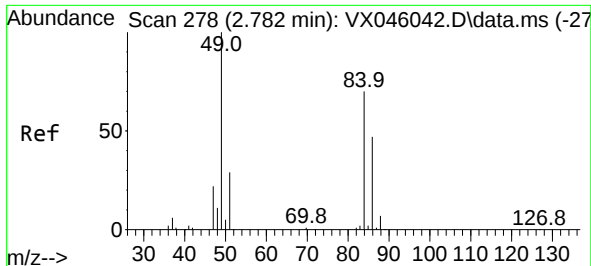
Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#17
Carbon Disulfide
Concen: 0.601 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion: 76 Resp: 1149
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

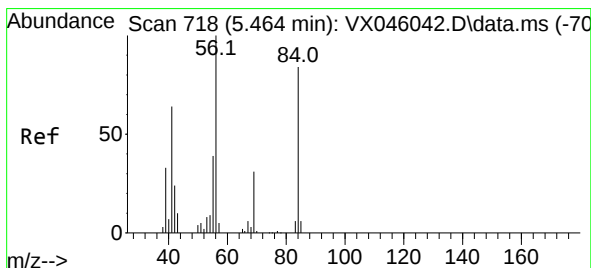
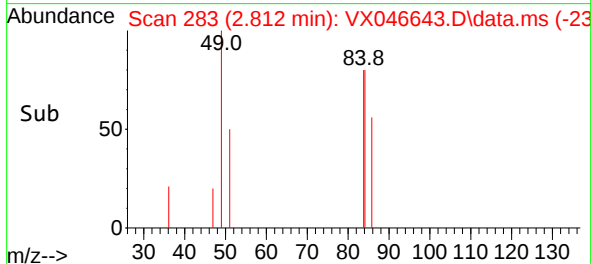
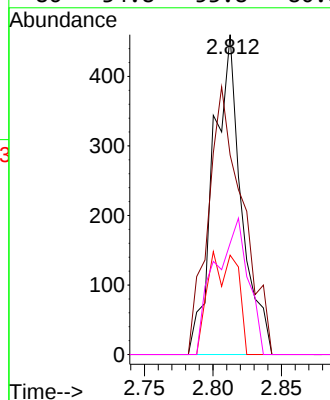
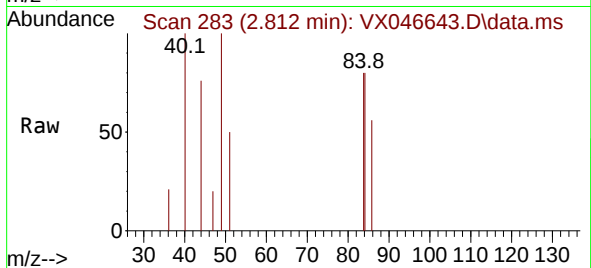




#20
Methylene Chloride
Concen: 0.405 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

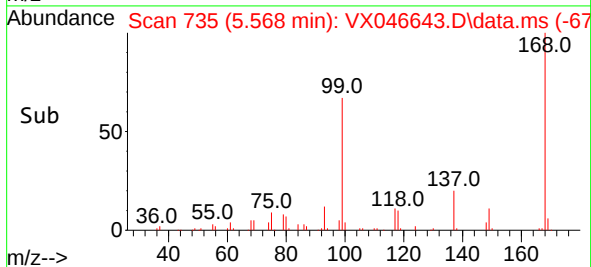
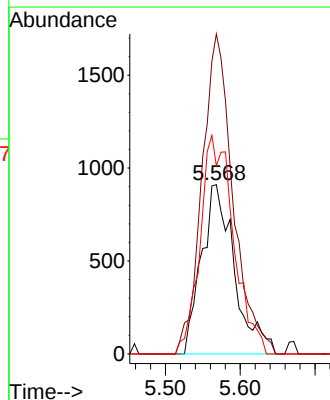
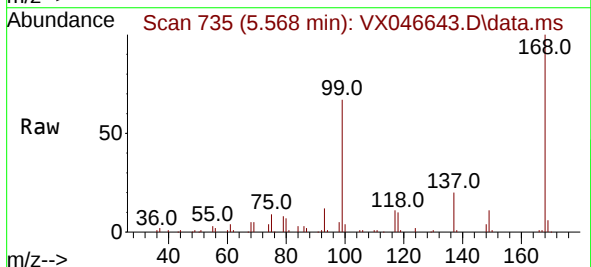
Instrument :
MSVOA_X
ClientSampleId :
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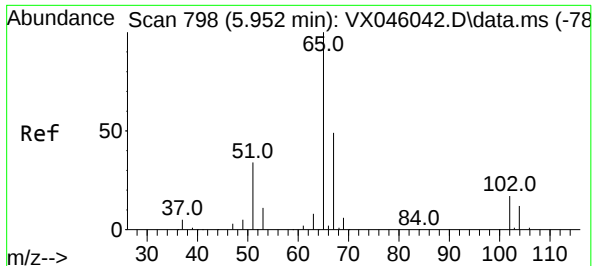
Tgt Ion: 84	Resp: 657
Ion Ratio	Lower Upper
84 100	
49 62.4	113.9 170.9#
51 31.1	33.5 50.3#
86 34.8	53.8 80.8#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.079 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion: 56	Resp: 2786		
Ion Ratio	Lower	Upper	
56	100		
69	189.0	24.4	36.6#
84	111.1	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.505 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

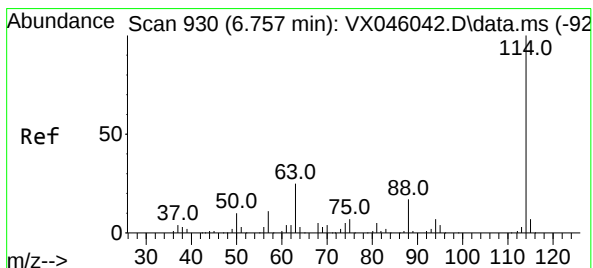
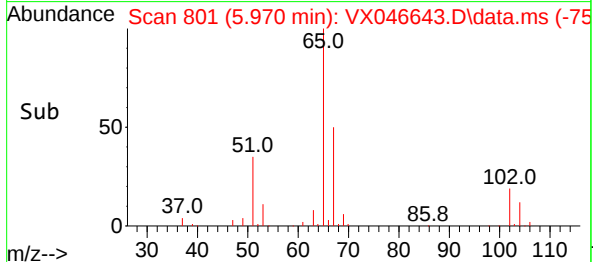
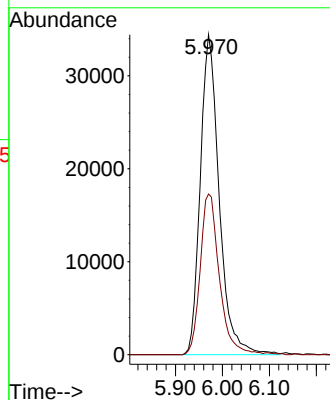
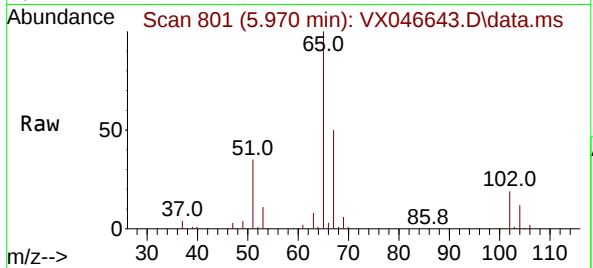
IBLK

Tgt Ion: 65 Resp: 96176

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

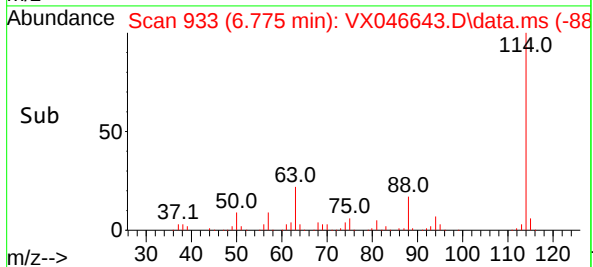
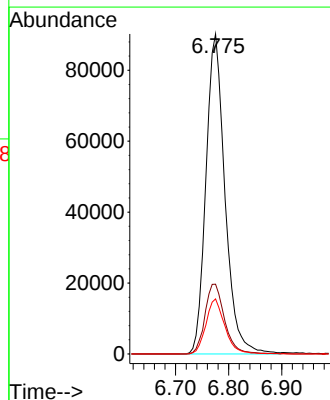
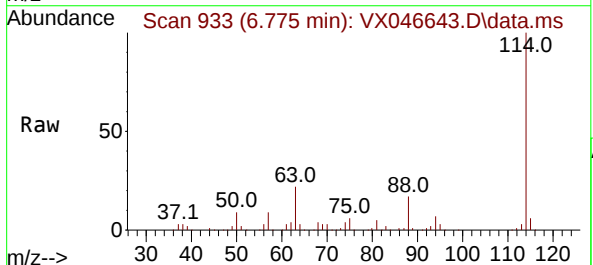
Tgt Ion: 114 Resp: 224937

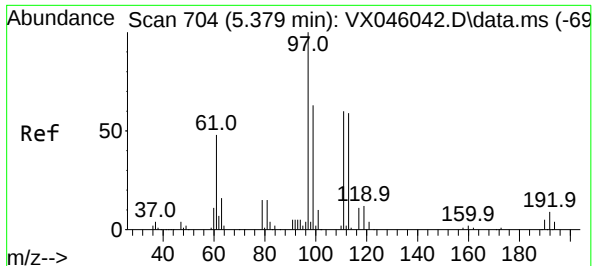
Ion Ratio Lower Upper

114 100

63 21.8 0.0 49.2

88 17.2 0.0 33.6

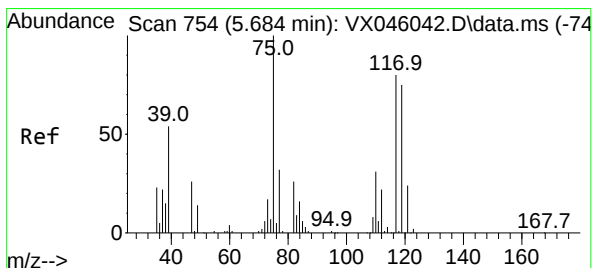
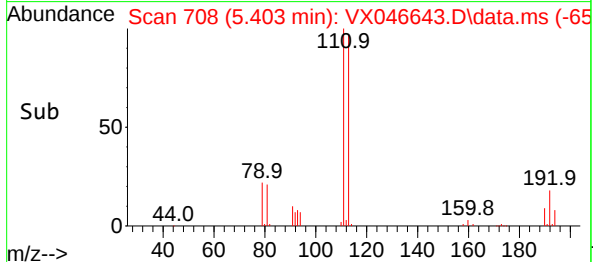
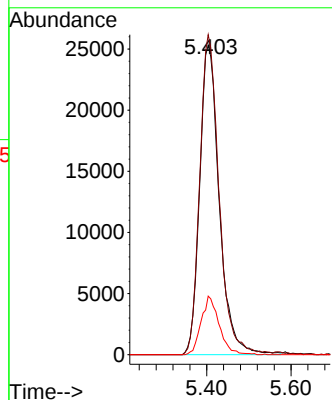
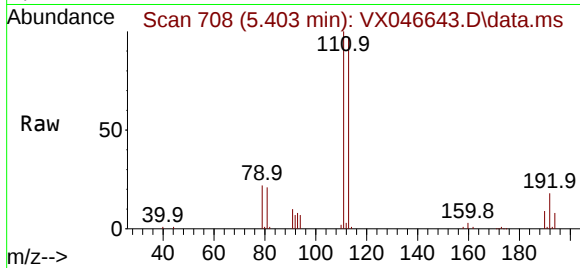




#35
Dibromofluoromethane
Concen: 49.486 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

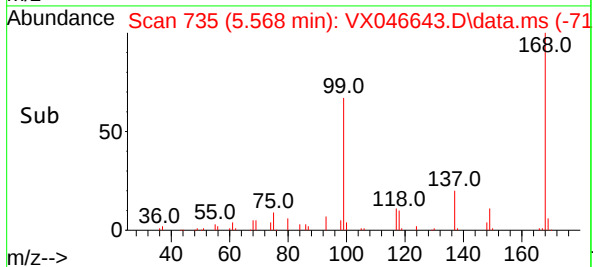
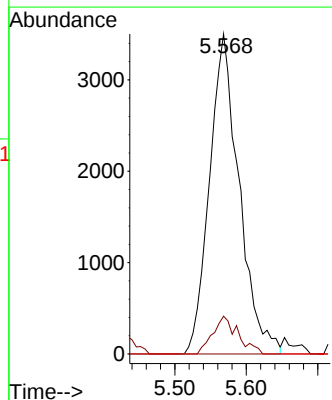
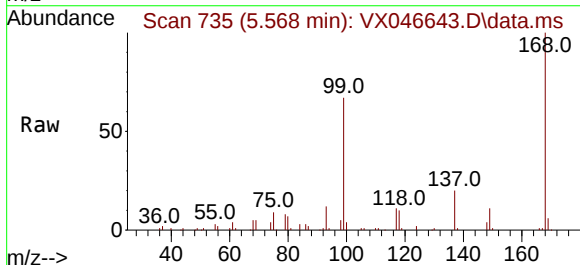
Instrument :
MSVOA_X
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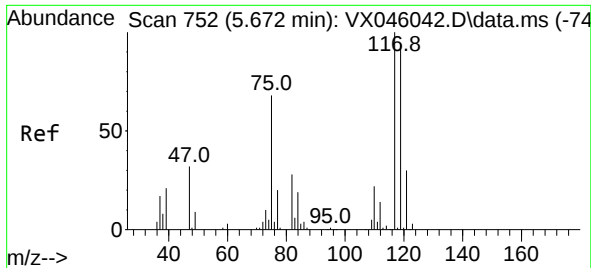
Tgt Ion:113 Resp: 81859
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.268 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

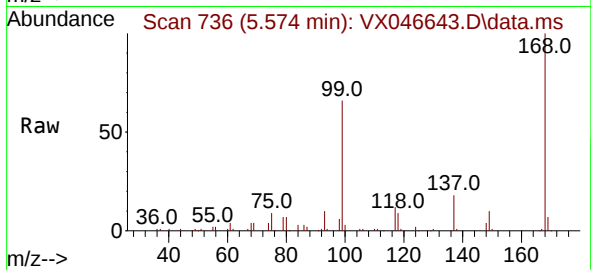
Tgt Ion: 75 Resp: 10084
Ion Ratio Lower Upper
75 100
110 10.0 16.3 48.9#
77 0.0 24.3 36.5#



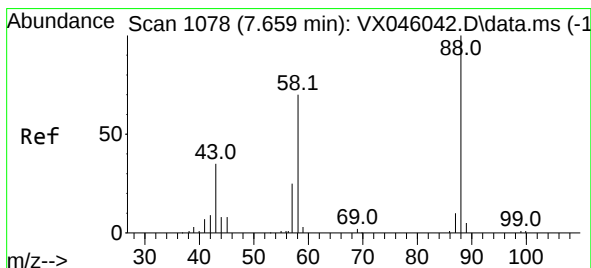
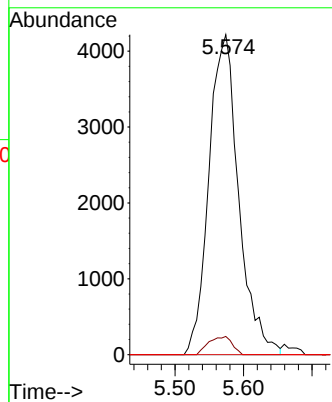
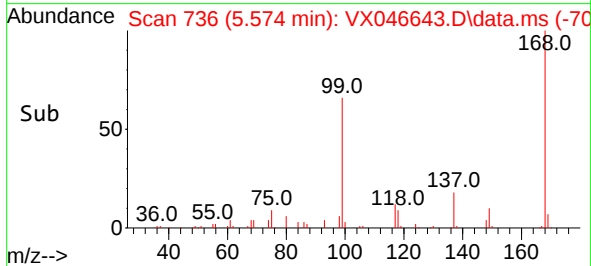


#38
Carbon Tetrachloride
Concen: 4.807 ug/l
RT: 5.574 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

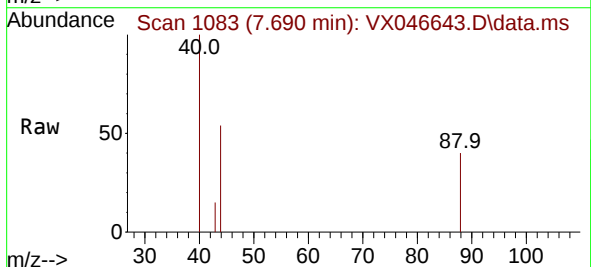
Instrument :
MSVOA_X
ClientSampleId :
IBLK



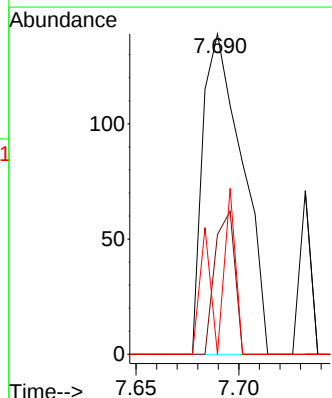
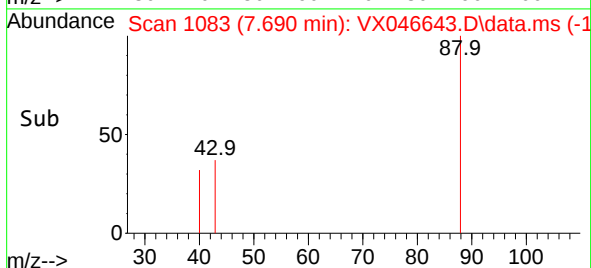
Tgt Ion:117 Resp: 12723
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#

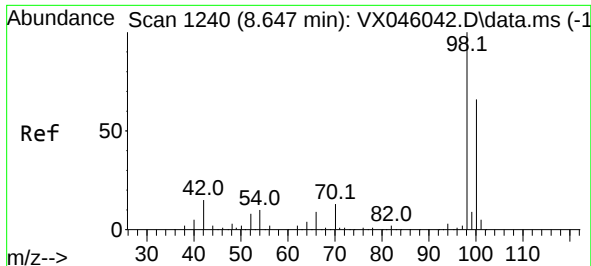


#49
1,4-Dioxane
Concen: 6.688 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.019 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31



Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 22.7 33.4 50.2#
58 10.8 58.6 88.0#

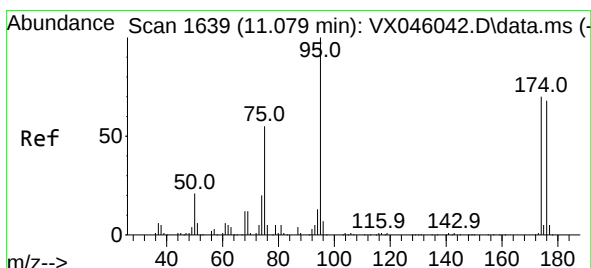
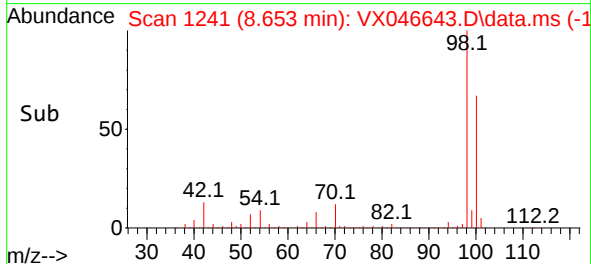
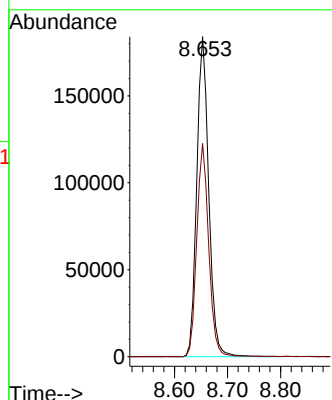
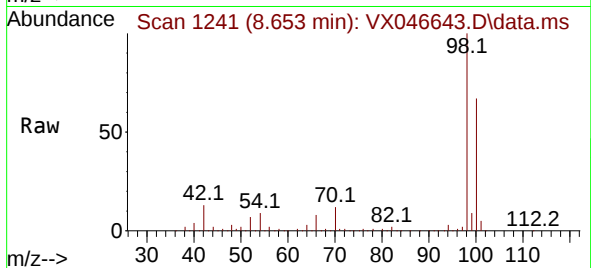




#50
Toluene-d8
Concen: 52.940 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

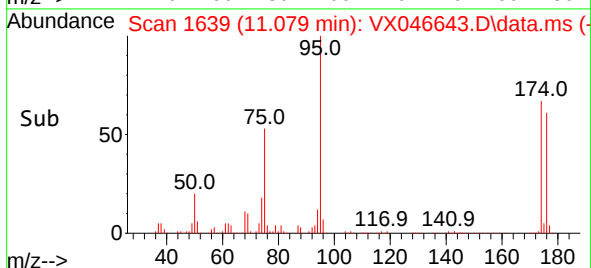
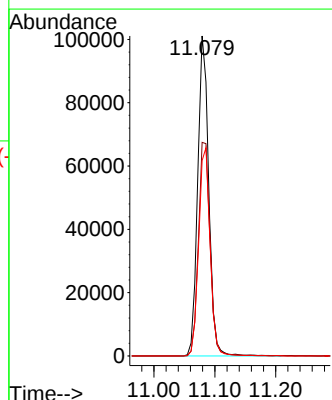
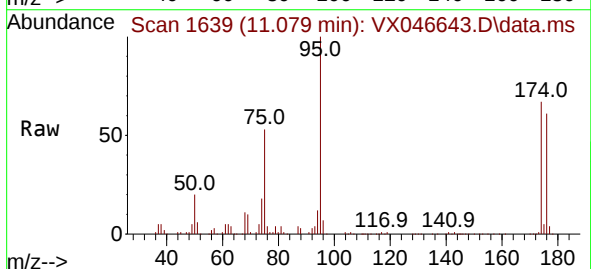
Instrument :
MSVOA_X
ClientSampleId :
IBLK

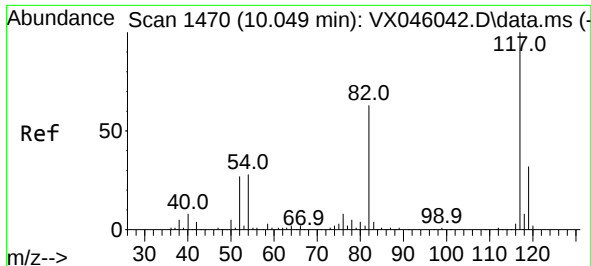
Tgt Ion: 98 Resp: 288717
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 56.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion: 95 Resp: 126916
Ion Ratio Lower Upper
95 100
174 70.5 0.0 135.8
176 67.4 0.0 131.4

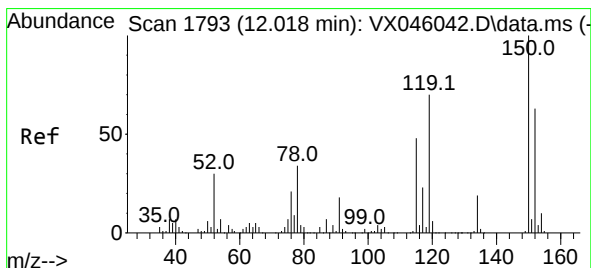
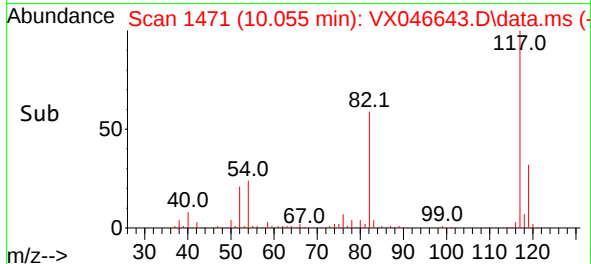
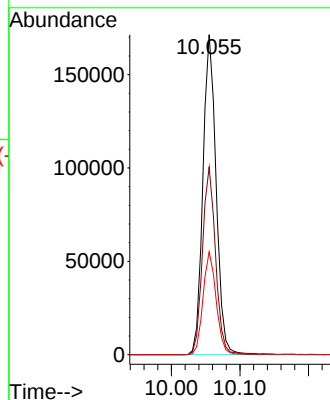
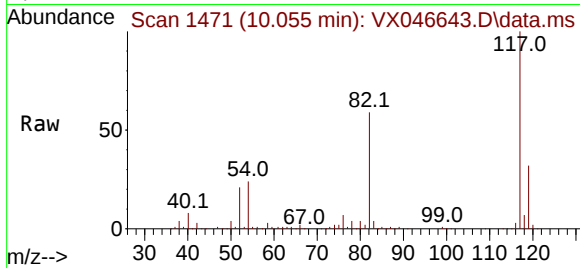




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

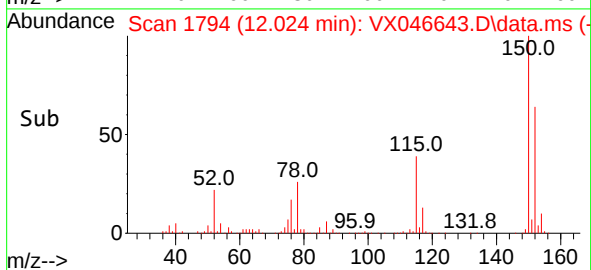
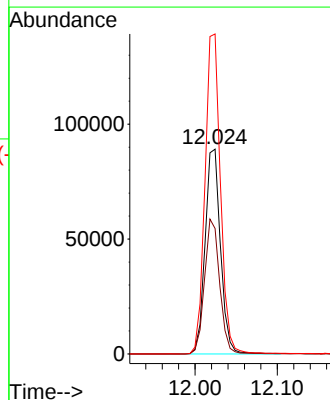
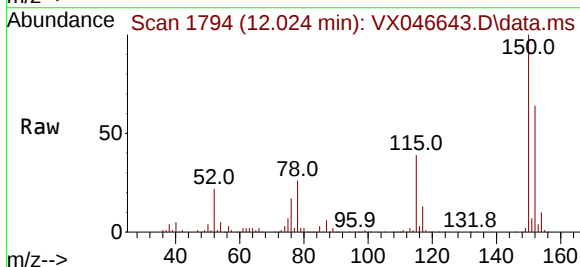
Instrument :
MSVOA_X
ClientSampleId :
IBLK

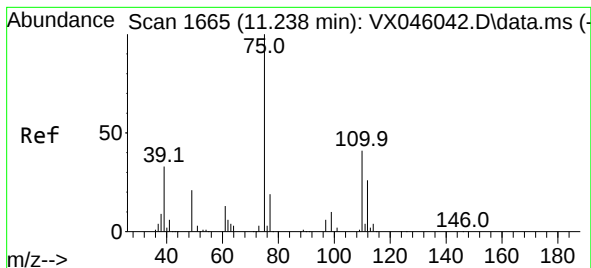
Tgt Ion:117 Resp: 230482
Ion Ratio Lower Upper
117 100
82 58.6 50.6 76.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046643.D
Acq: 11 Jun 2025 17:31

Tgt Ion:152 Resp: 116079
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 157.3 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 27.317 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

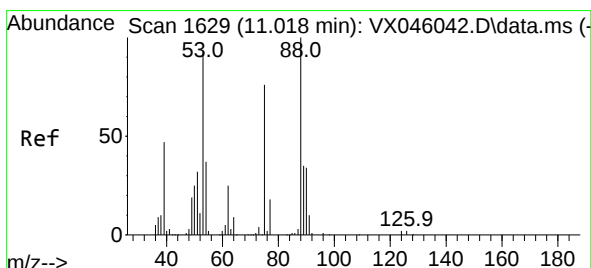
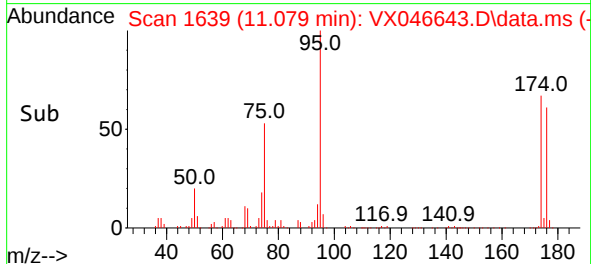
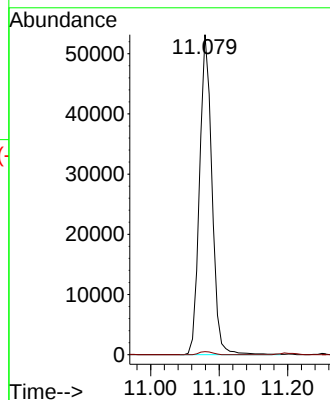
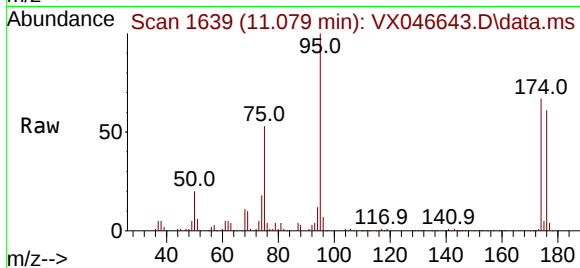
IBLK

Tgt Ion: 75 Resp: 67164

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.799 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

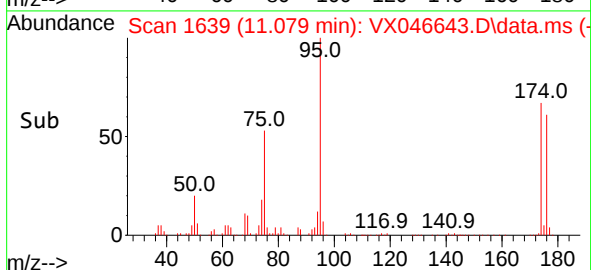
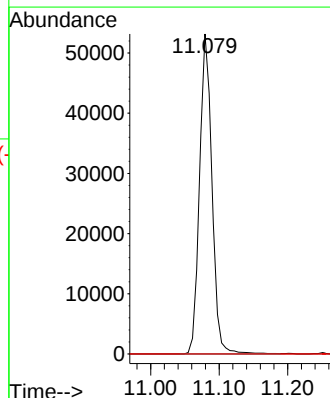
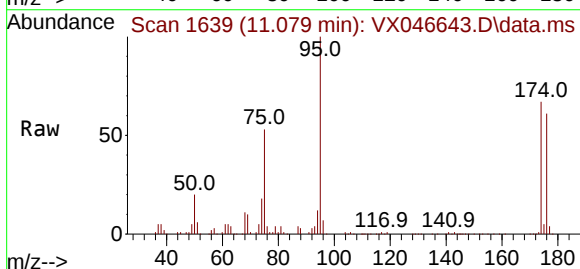
Tgt Ion: 75 Resp: 67164

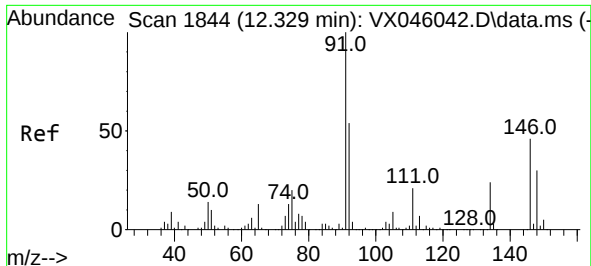
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#





#89

n-Butylbenzene

Concen: 0.202 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.006 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

Instrument :

MSVOA_X

ClientSampleId :

IBLK

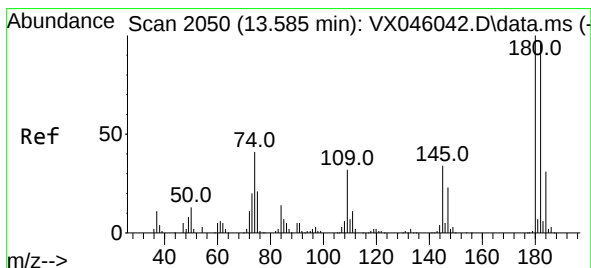
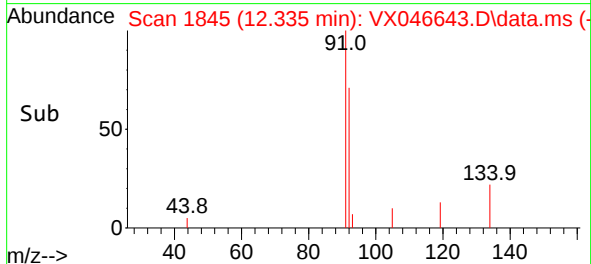
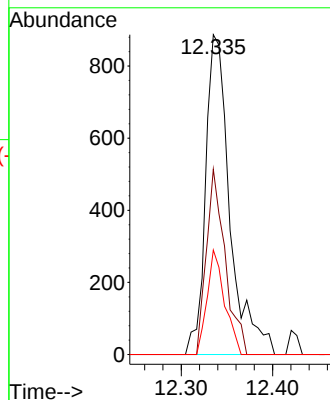
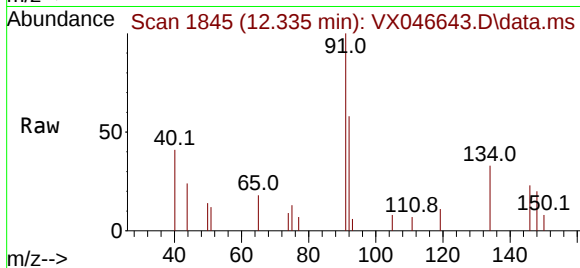
Tgt Ion: 91 Resp: 1641

Ion Ratio Lower Upper

91 100

92 44.7 26.9 80.7

134 23.5 11.8 35.3



#93

1,2,4-Trichlorobenzene

Concen: 0.251 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX046643.D

Acq: 11 Jun 2025 17:31

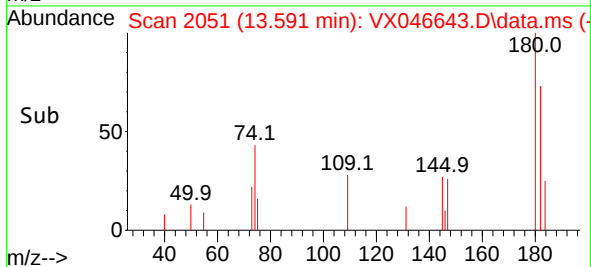
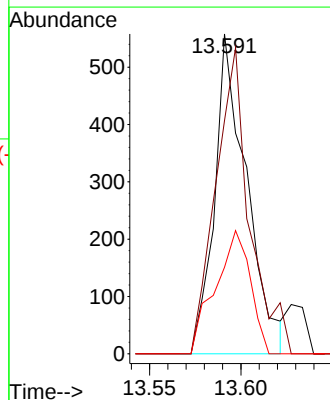
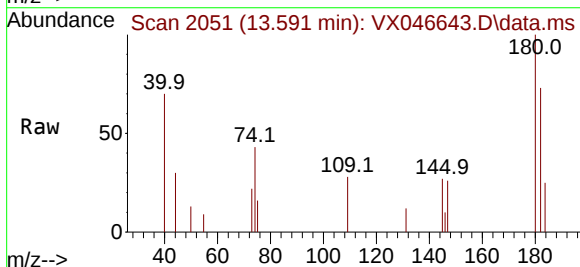
Tgt Ion:180 Resp: 680

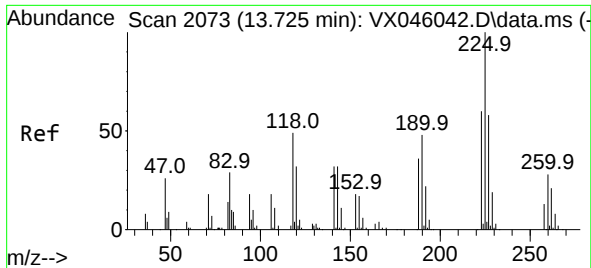
Ion Ratio Lower Upper

180 100

182 100.7 47.9 143.8

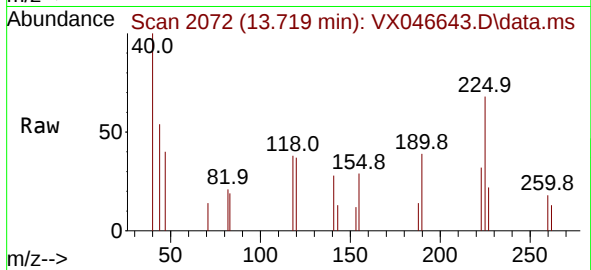
145 42.1 17.1 51.2





#94
 Hexachlorobutadiene
 Concen: 0.249 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX046643.D
 Acq: 11 Jun 2025 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	225	Resp:	313
Ion	Ratio	Lower	Upper
225	100		
223	77.3	30.8	92.4
227	54.3	30.9	92.7

