

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046938.D
 Acq On : 10 Jul 2025 12:57
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 11 01:28:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

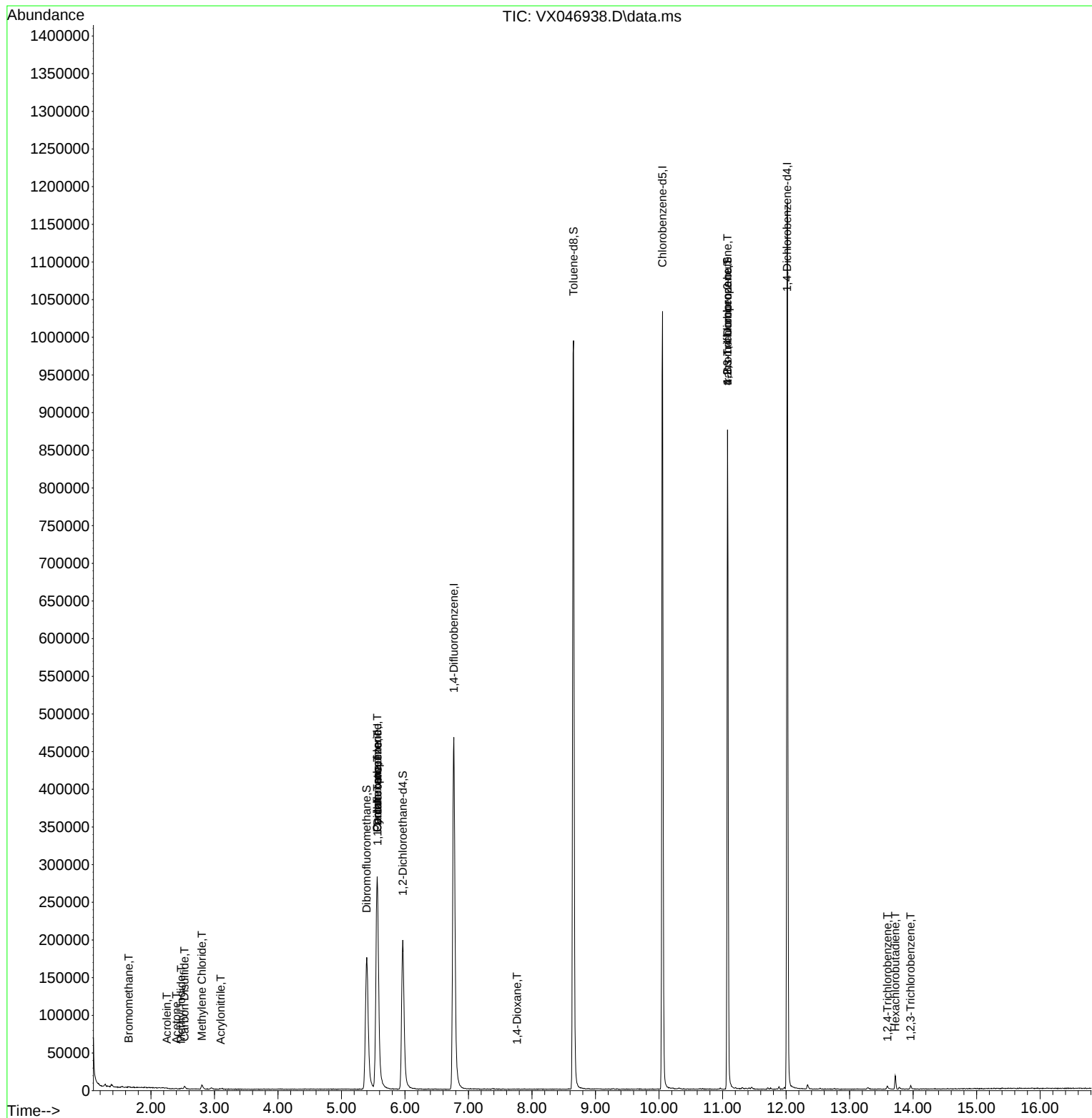
Internal Standards						
1) Pentafluorobenzene	5.562	168	289919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	514619	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	234454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	203377	53.099	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.200%		
35) Dibromofluoromethane	5.397	113	169440	48.505	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.020%		
50) Toluene-d8	8.653	98	619969	50.302	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.600%		
62) 4-Bromofluorobenzene	11.079	95	232509	49.637	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.280%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	608	0.287	ug/l #	80
10) Methyl Iodide	2.477	142	1712	0.483	ug/l #	85
13) Acrolein	2.252	56	45	2.995	ug/l #	15
15) Acrylonitrile	3.099	53	543	0.374	ug/l #	17
16) Acetone	2.398	43	856	0.720	ug/l	94
17) Carbon Disulfide	2.526	76	4442	0.539	ug/l #	93
20) Methylene Chloride	2.800	84	2656	0.755	ug/l #	95
31) Cyclohexane	5.562	56	6340	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	23745	5.038	ug/l #	50
38) Carbon Tetrachloride	5.562	117	29873	5.995	ug/l #	15
49) 1,4-Dioxane	7.763	88	29	0.788	ug/l #	27
76) 1,2,3-Trichloropropane	11.079	75	120068	33.144	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	120068	88.941	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.597	180	1702	0.337	ug/l	91
94) Hexachlorobutadiene	13.719	225	2605	1.367	ug/l	92
96) 1,2,3-Trichlorobenzene	13.963	180	1516	0.317	ug/l	94

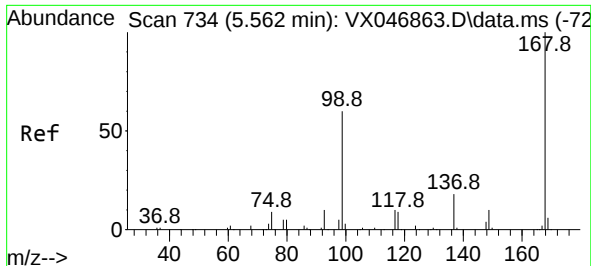
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

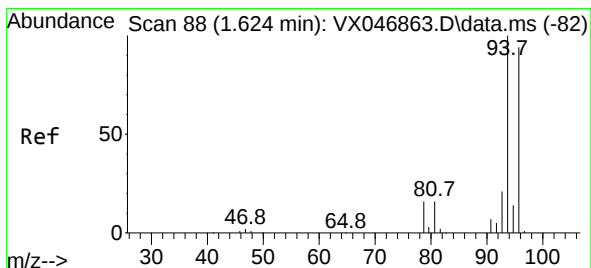
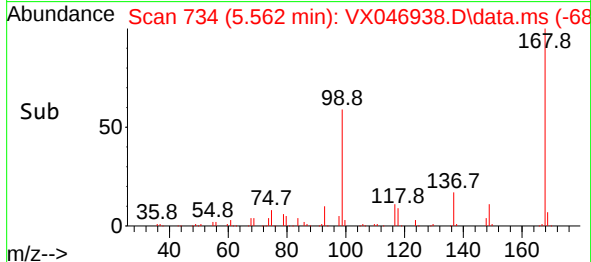
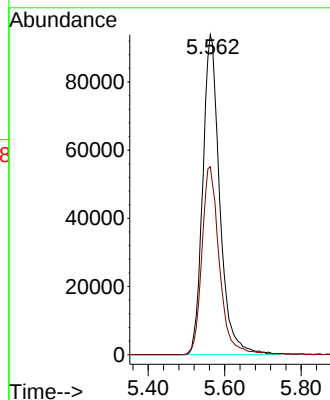
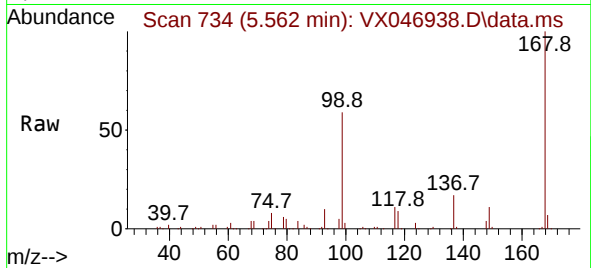




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

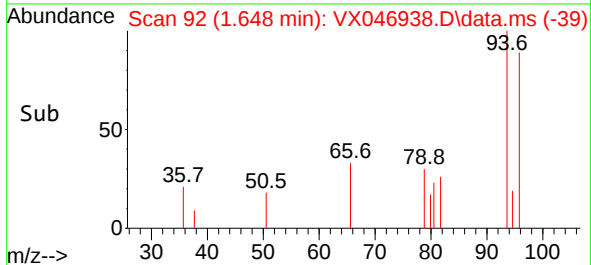
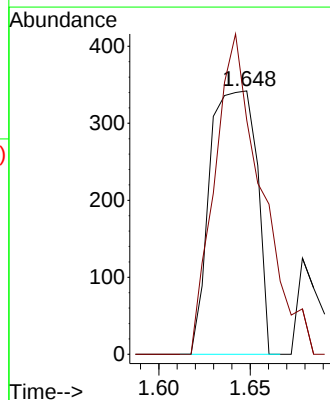
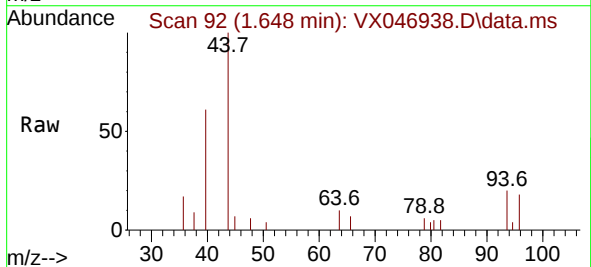
Instrument :
MSVOA_X
ClientSampleId :
IBLK

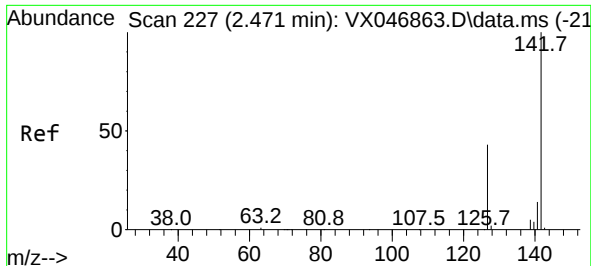
Tgt Ion:168 Resp: 289919
Ion Ratio Lower Upper
168 100
99 58.7 48.8 73.2



#5
Bromomethane
Concen: 0.287 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.024 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion: 94 Resp: 608
Ion Ratio Lower Upper
94 100
96 74.7 75.5 113.3#

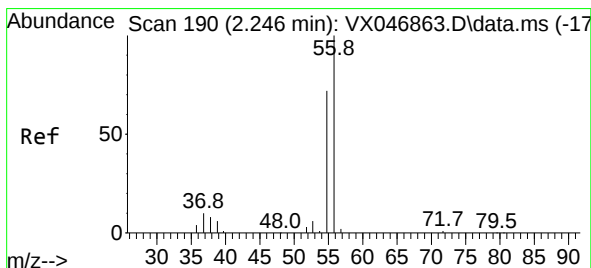
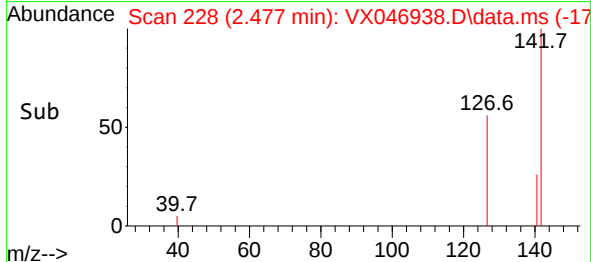
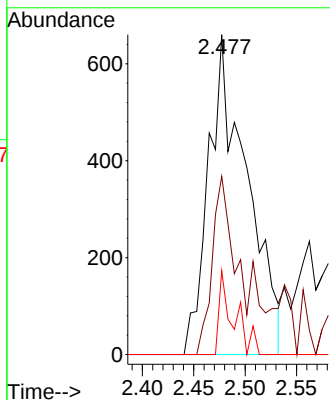
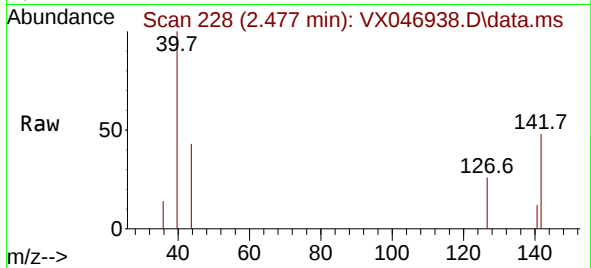




#10
Methyl Iodide
Concen: 0.483 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

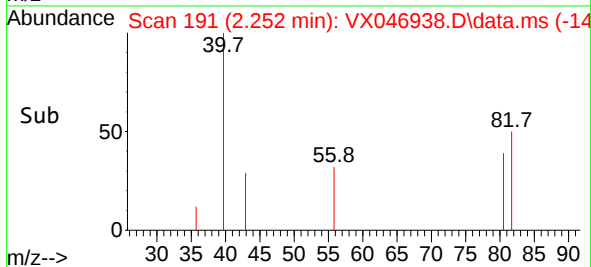
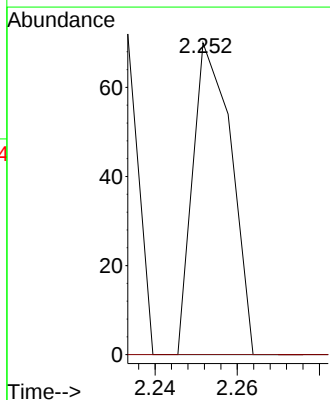
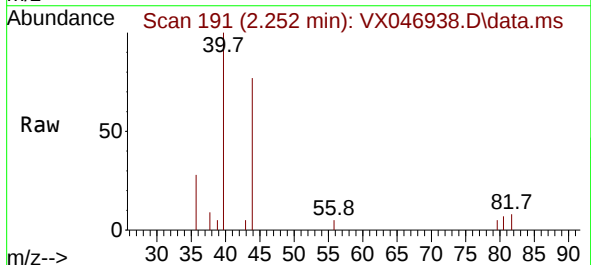
Instrument :
MSVOA_X
ClientSampleId :
IBLK

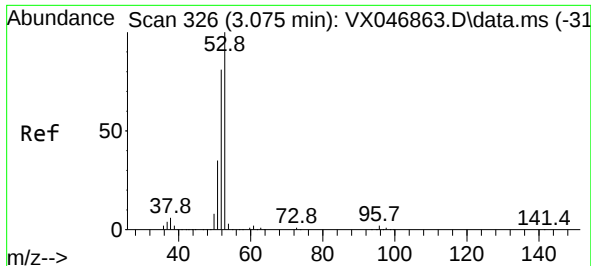
Tgt Ion:142 Resp: 1712
Ion Ratio Lower Upper
142 100
127 32.9 34.9 52.3#
141 9.9 11.1 16.7#



#13
Acrolein
Concen: 2.995 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

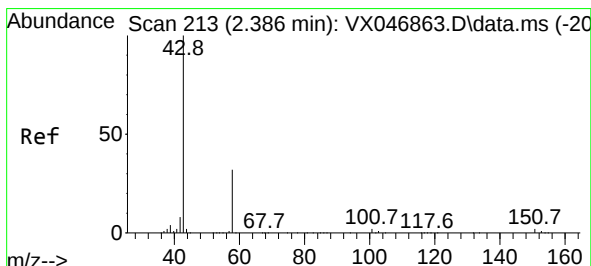
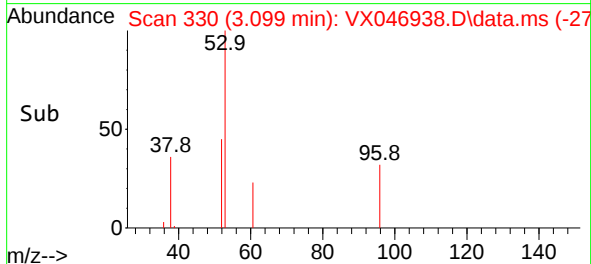
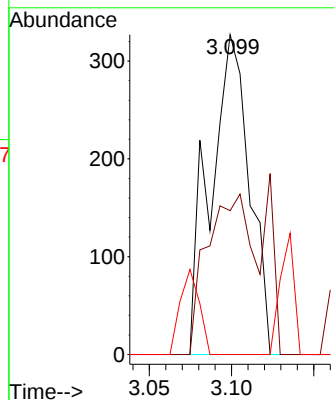
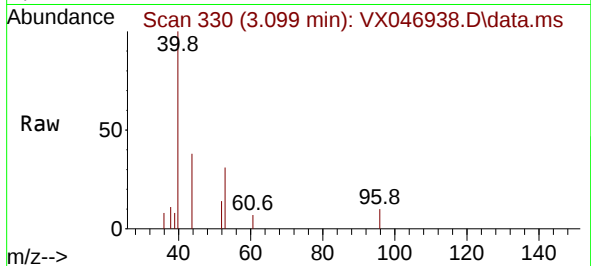




#15
Acrylonitrile
Concen: 0.374 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

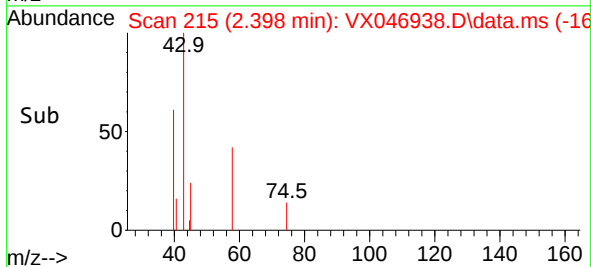
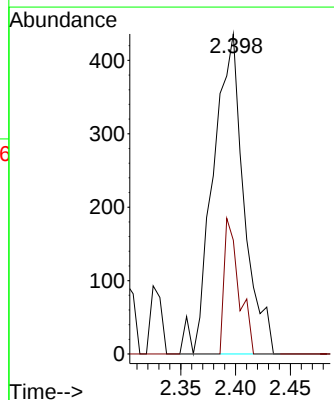
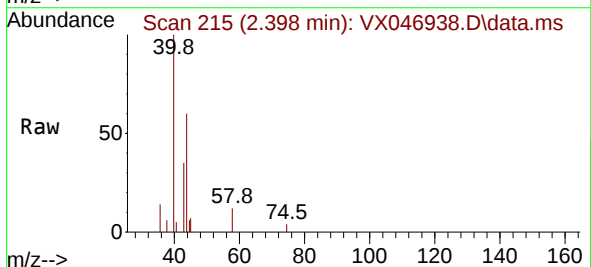
Instrument :
MSVOA_X
ClientSampleId :
IBLK

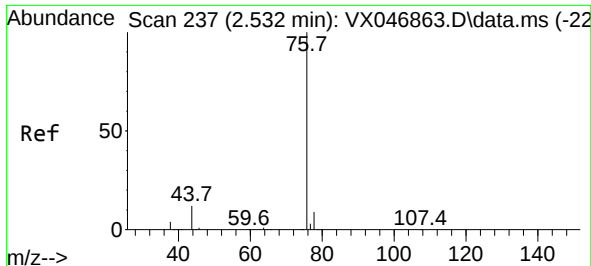
Tgt Ion:	53	Resp:	543
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.0	99.0#
51	0.0	28.6	43.0#



#16
Acetone
Concen: 0.720 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion:	43	Resp:	856
Ion	Ratio	Lower	Upper
43	100		
58	35.6	25.8	38.6





#17

Carbon Disulfide

Concen: 0.539 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046938.D

Acq: 10 Jul 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

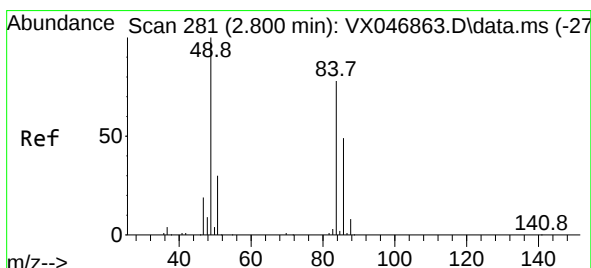
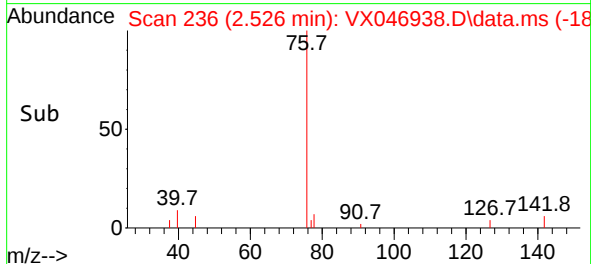
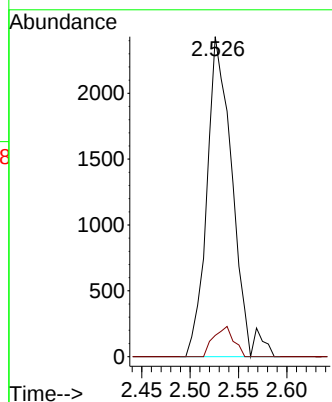
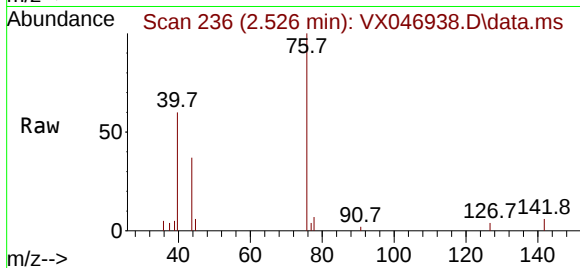
IBLK

Tgt Ion: 76 Resp: 4442

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#



#20

Methylene Chloride

Concen: 0.755 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.000 min

Lab File: VX046938.D

Acq: 10 Jul 2025 12:57

Tgt Ion: 84 Resp: 2656

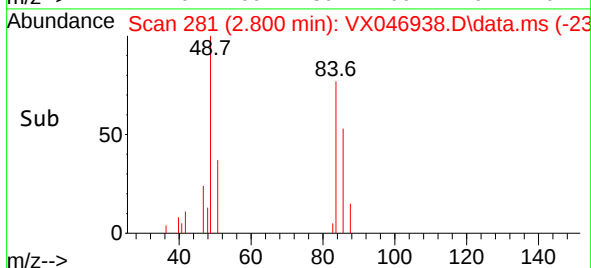
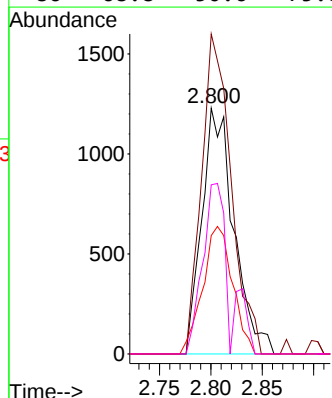
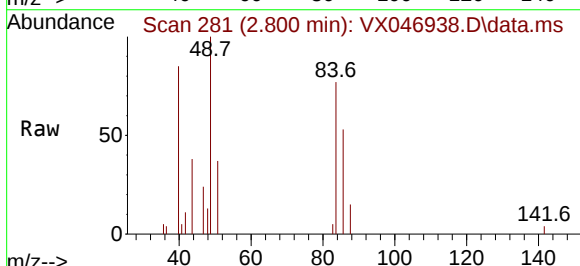
Ion Ratio Lower Upper

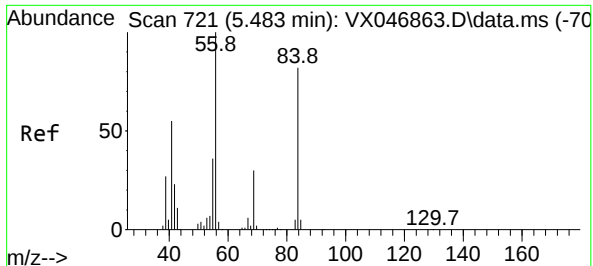
84 100

49 130.2 102.8 154.2

51 48.2 31.1 46.7#

86 68.8 50.6 75.8

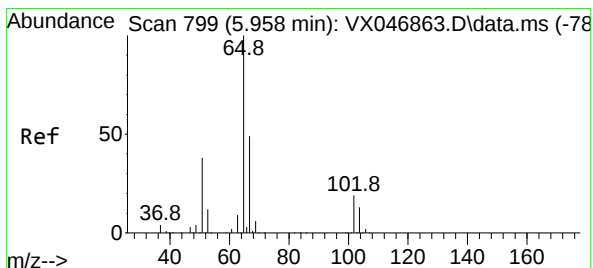
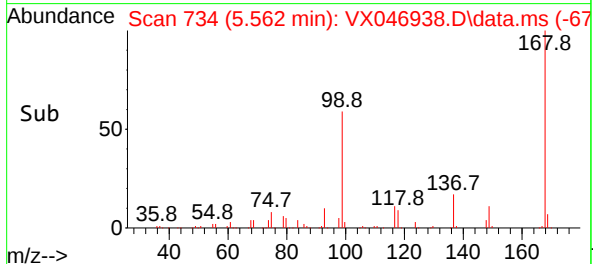
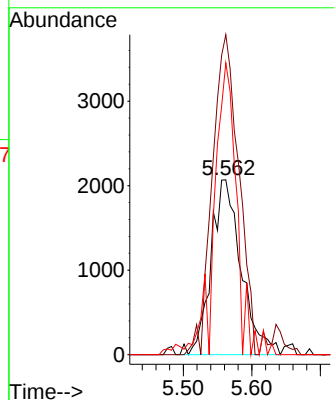
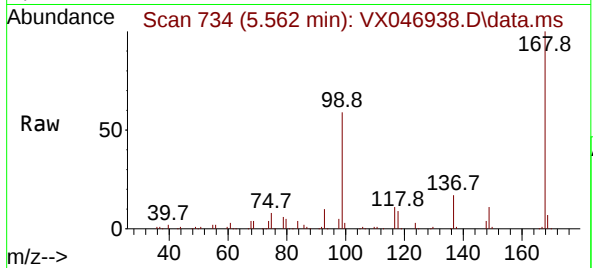




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

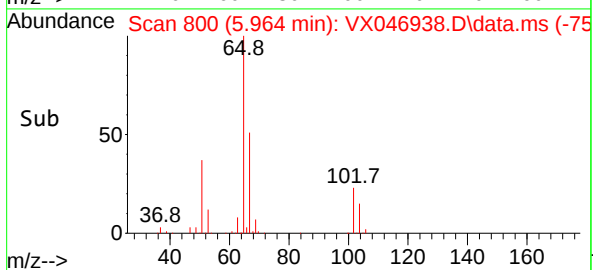
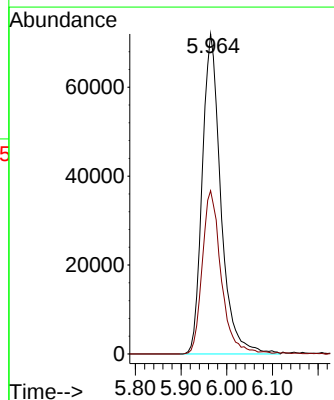
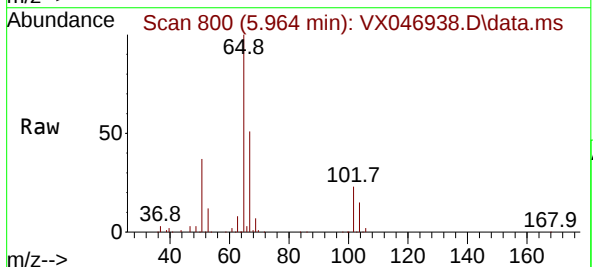
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IBLK

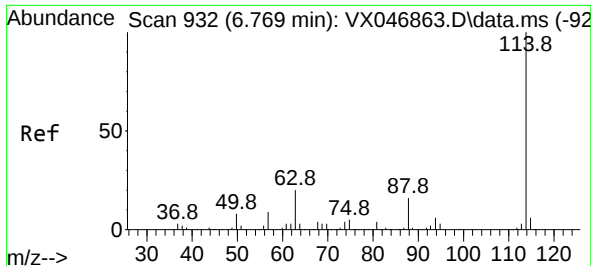
Tgt Ion: 56 Resp: 6340
Ion Ratio Lower Upper
56 100
69 182.9 24.0 36.0#
84 166.8 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.099 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion: 65 Resp: 203377
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2

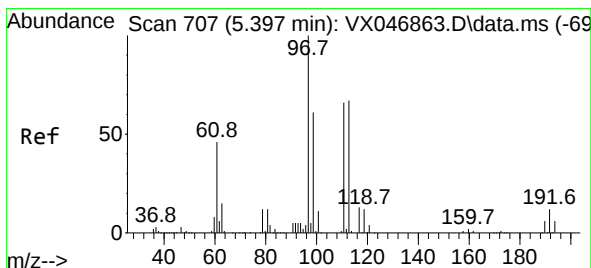
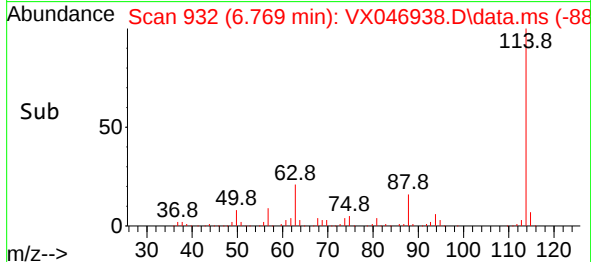
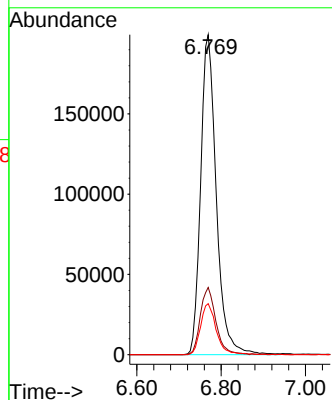
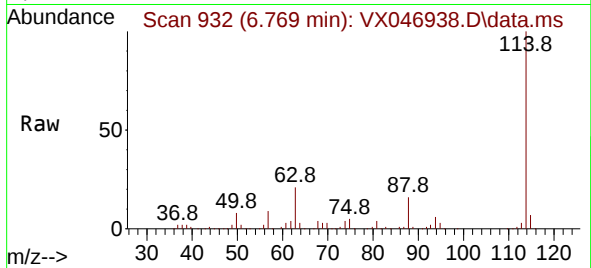




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

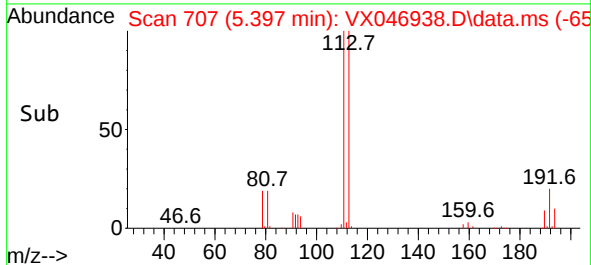
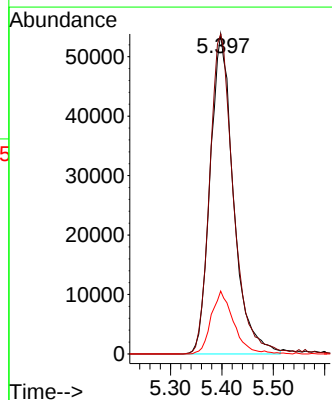
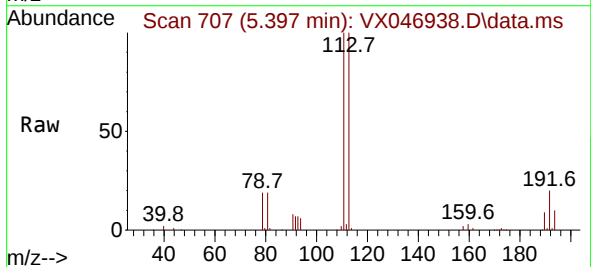
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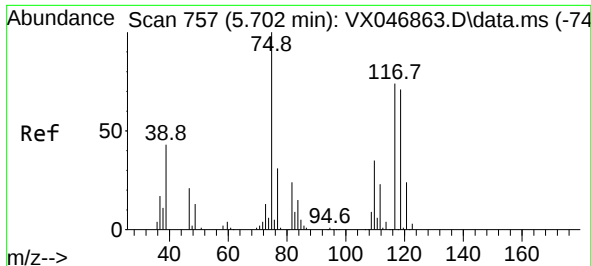
Tgt Ion:114 Resp: 514619
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.4
88 15.9 0.0 31.0



#35
Dibromofluoromethane
Concen: 48.505 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion:113 Resp: 169440
Ion Ratio Lower Upper
113 100
111 101.5 81.2 121.8
192 19.1 15.3 22.9

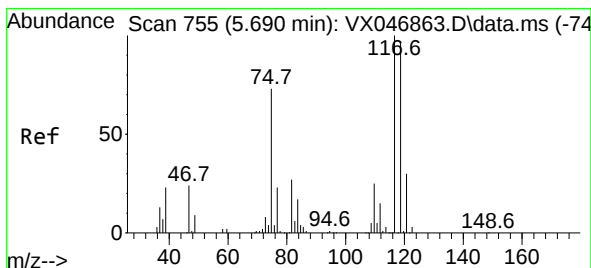
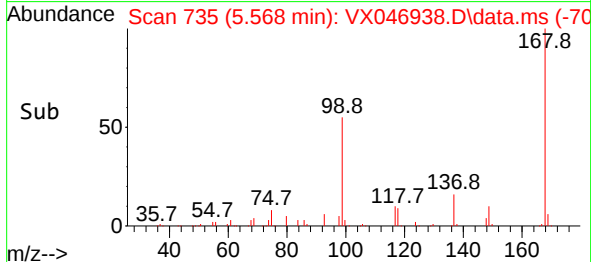
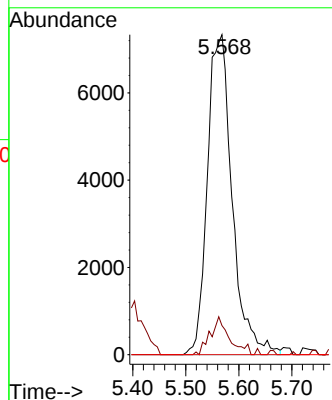
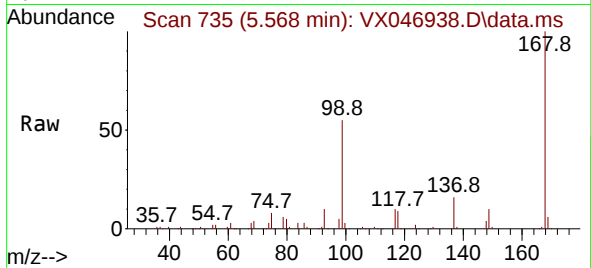




#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

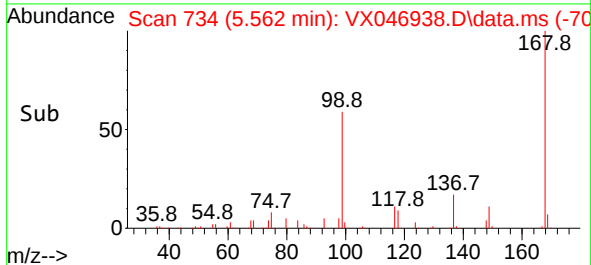
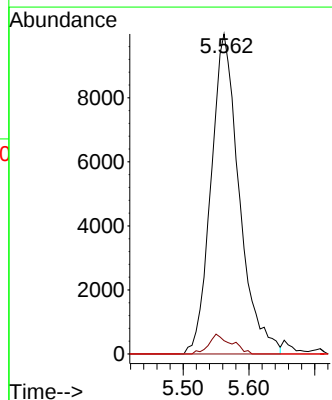
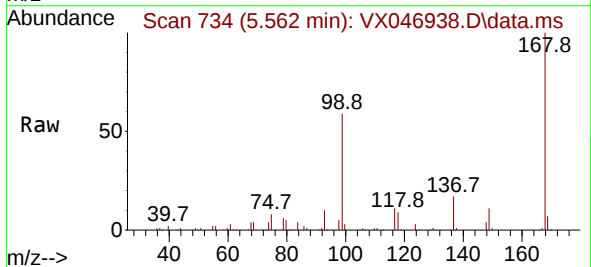
Instrument :
MSVOA_X
ClientSampleId :
IBLK

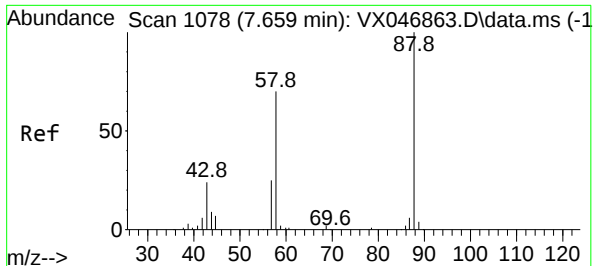
Tgt Ion: 75 Resp: 23745
Ion Ratio Lower Upper
75 100
110 9.1 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion: 117 Resp: 29873
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 24.1 36.1#





#49

1,4-Dioxane

Concen: 0.788 ug/l

RT: 7.763 min Scan# 1095

Delta R.T. 0.104 min

Lab File: VX046938.D

Acq: 10 Jul 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK

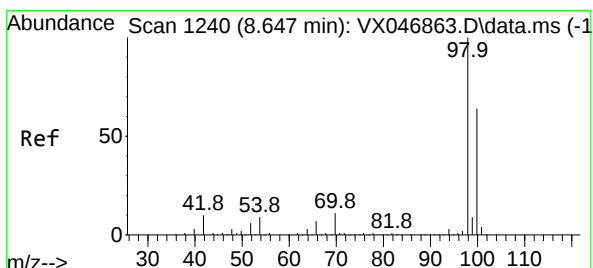
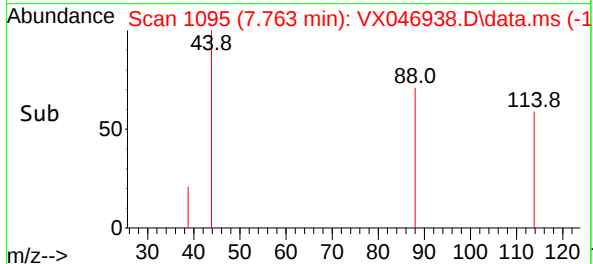
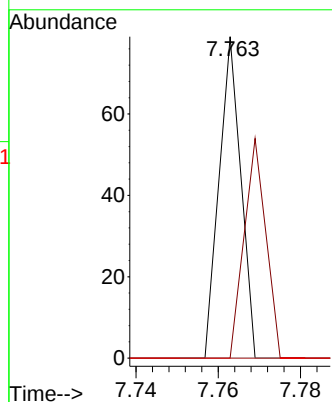
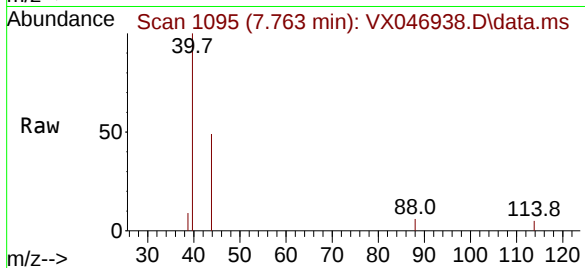
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 69.0 31.7 47.5#

58 0.0 57.5 86.3#



#50

Toluene-d8

Concen: 50.302 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046938.D

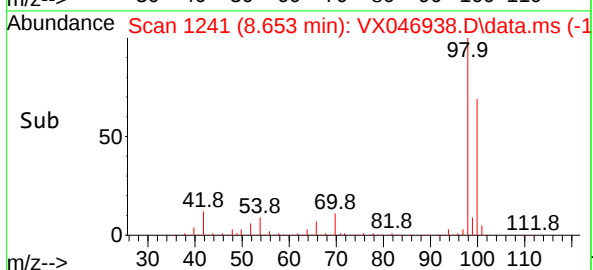
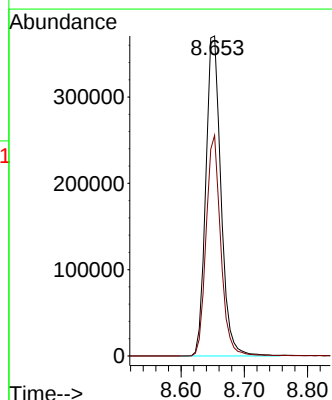
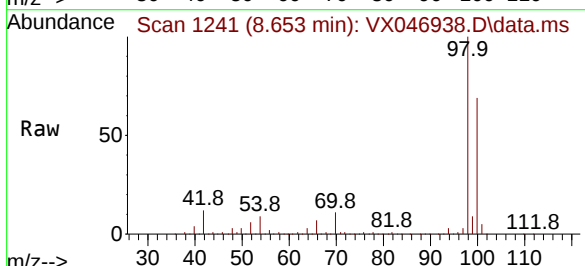
Acq: 10 Jul 2025 12:57

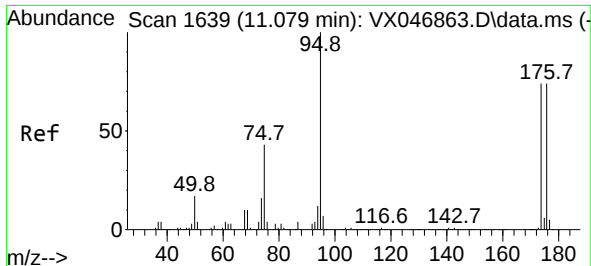
Tgt Ion: 98 Resp: 619969

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6

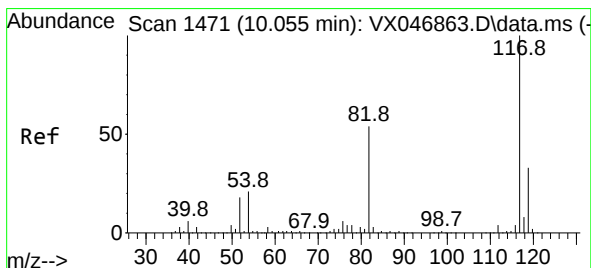
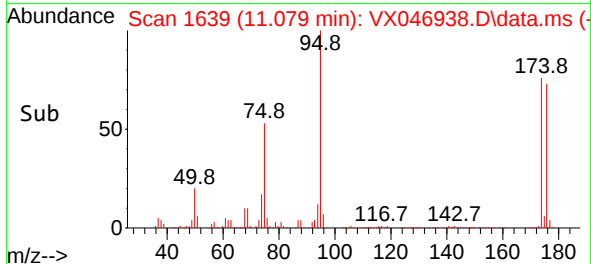
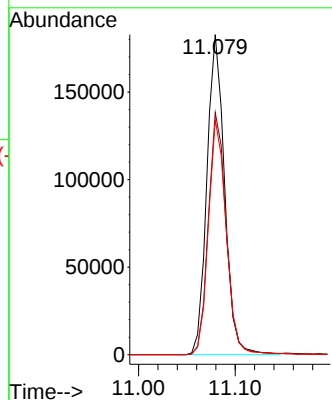
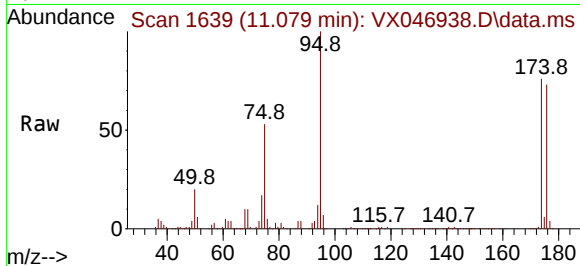




#62
4-Bromofluorobenzene
Concen: 49.637 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

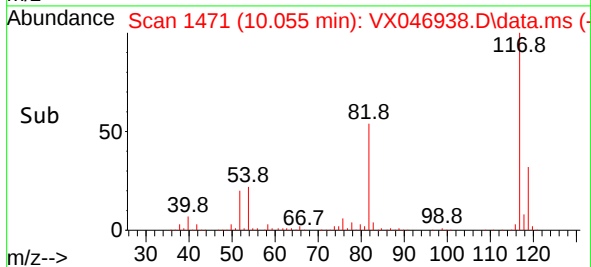
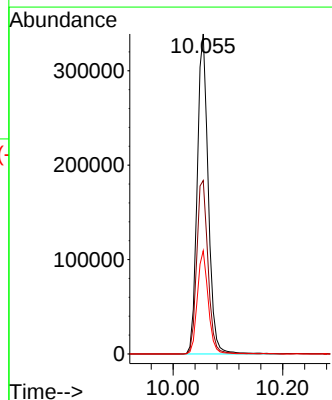
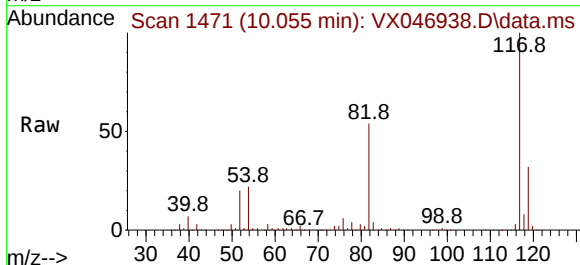
Instrument :
MSVOA_X
ClientSampleId :
IBLK

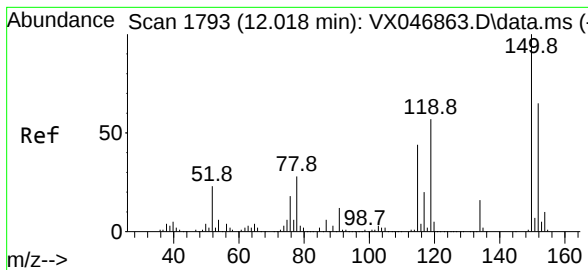
Tgt Ion: 95 Resp: 232509
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.0
176 74.4 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion: 117 Resp: 475940
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 32.2 26.4 39.6

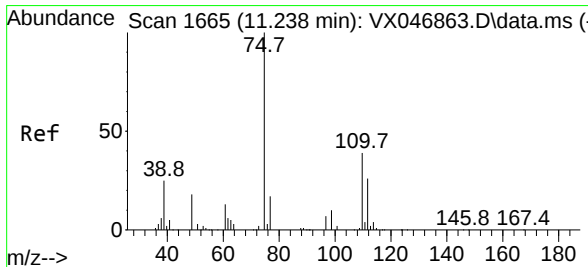
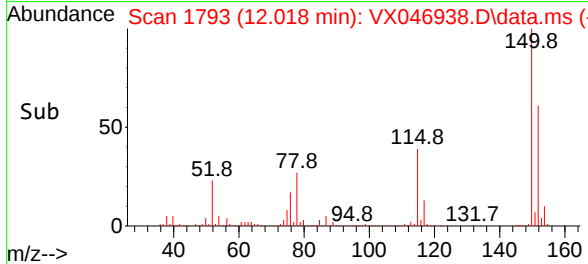
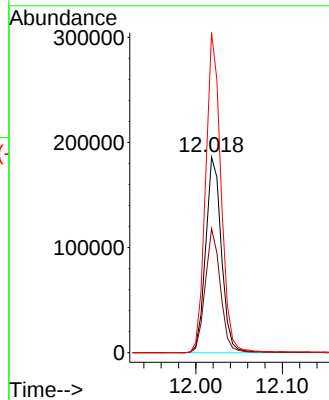
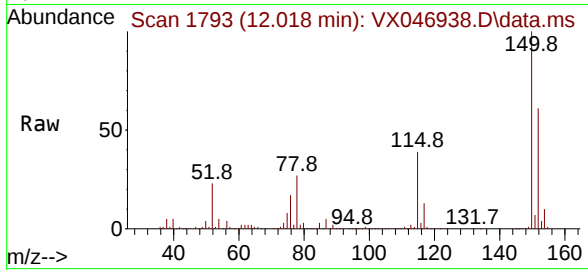




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046938.D
 Acq: 10 Jul 2025 12:57

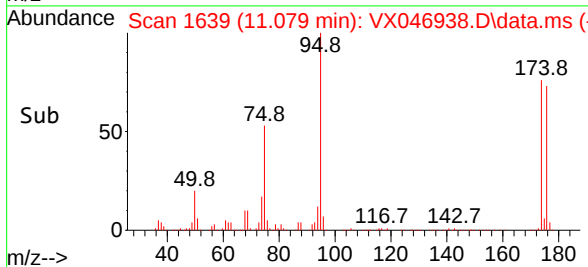
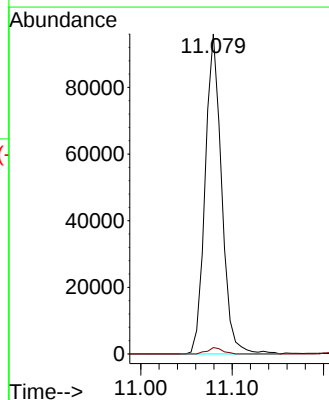
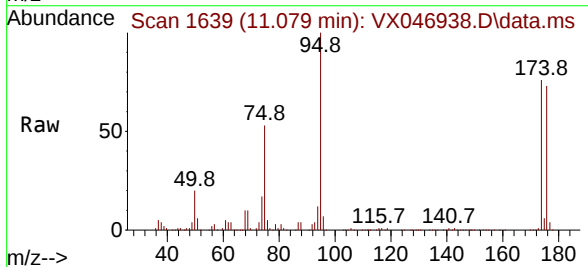
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

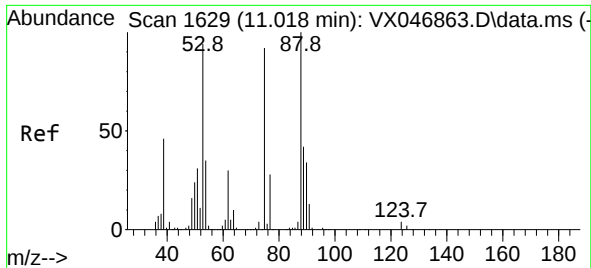
Tgt Ion:152 Resp: 234454
 Ion Ratio Lower Upper
 152 100
 115 61.7 42.4 127.1
 150 159.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 33.144 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046938.D
 Acq: 10 Jul 2025 12:57

Tgt Ion: 75 Resp: 120068
 Ion Ratio Lower Upper
 75 100
 77 1.8 20.6 61.8#

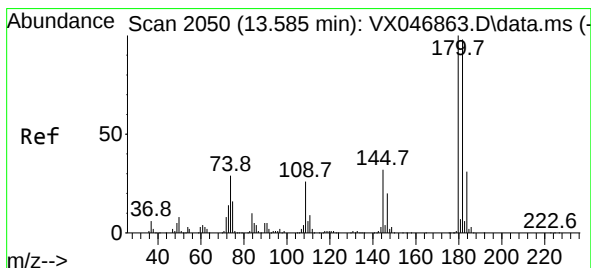
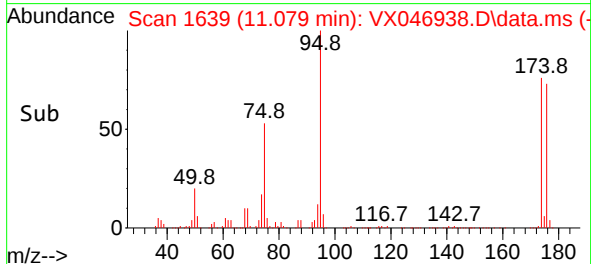
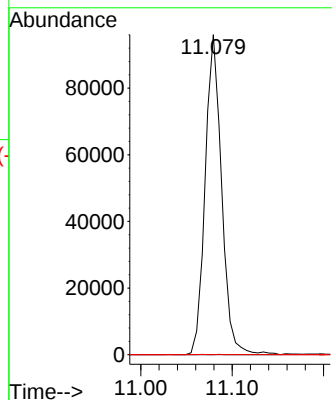
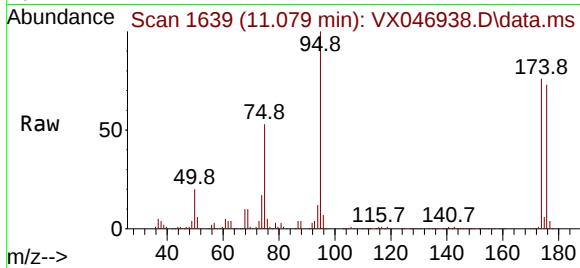




#81
trans-1,4-Dichloro-2-butene
Concen: 88.941 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

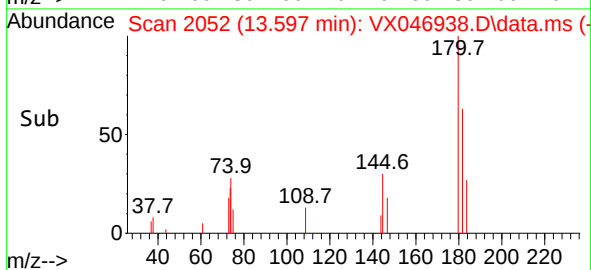
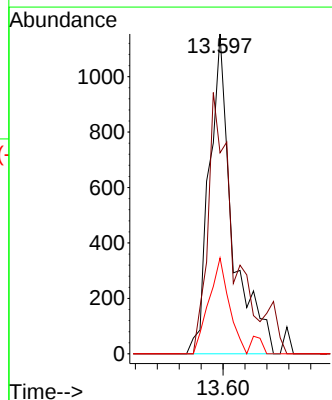
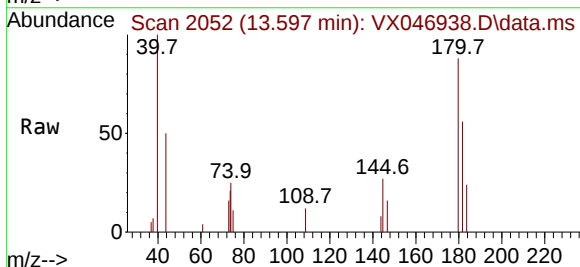
Instrument :
MSVOA_X
ClientSampleId :
IBLK

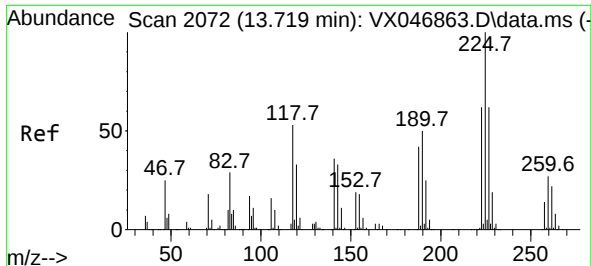
Tgt Ion: 75 Resp: 120068
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.337 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion:180 Resp: 1702
Ion Ratio Lower Upper
180 100
182 86.9 47.3 141.9
145 26.2 16.1 48.2

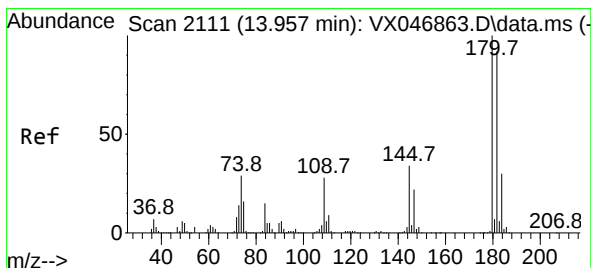
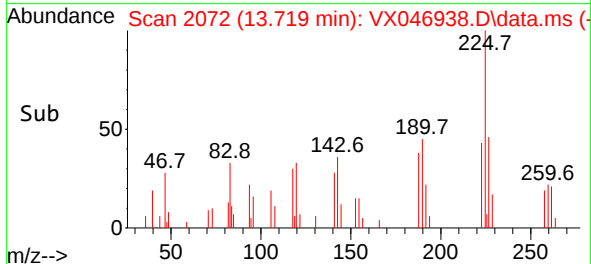
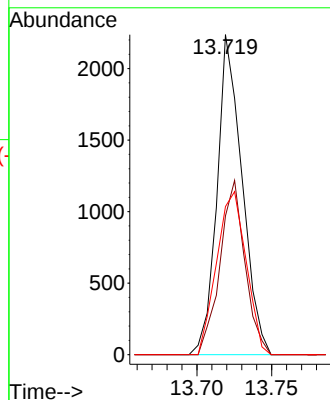
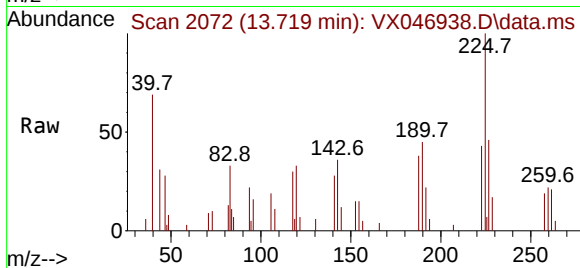




#94
Hexachlorobutadiene
Concen: 1.367 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	225	Resp:	2605
Ion Ratio	Lower	Upper	
225	100		
223	54.4	31.6	94.7
227	60.0	31.6	94.7



#96
1,2,3-Trichlorobenzene
Concen: 0.317 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046938.D
Acq: 10 Jul 2025 12:57

Tgt Ion:	180	Resp:	1516
Ion Ratio	Lower	Upper	
180	100		
182	86.9	46.7	140.1
145	35.8	16.8	50.3

