

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080425\
 Data File : VX047220.D
 Acq On : 04 Aug 2025 11:32
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 05 02:56:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

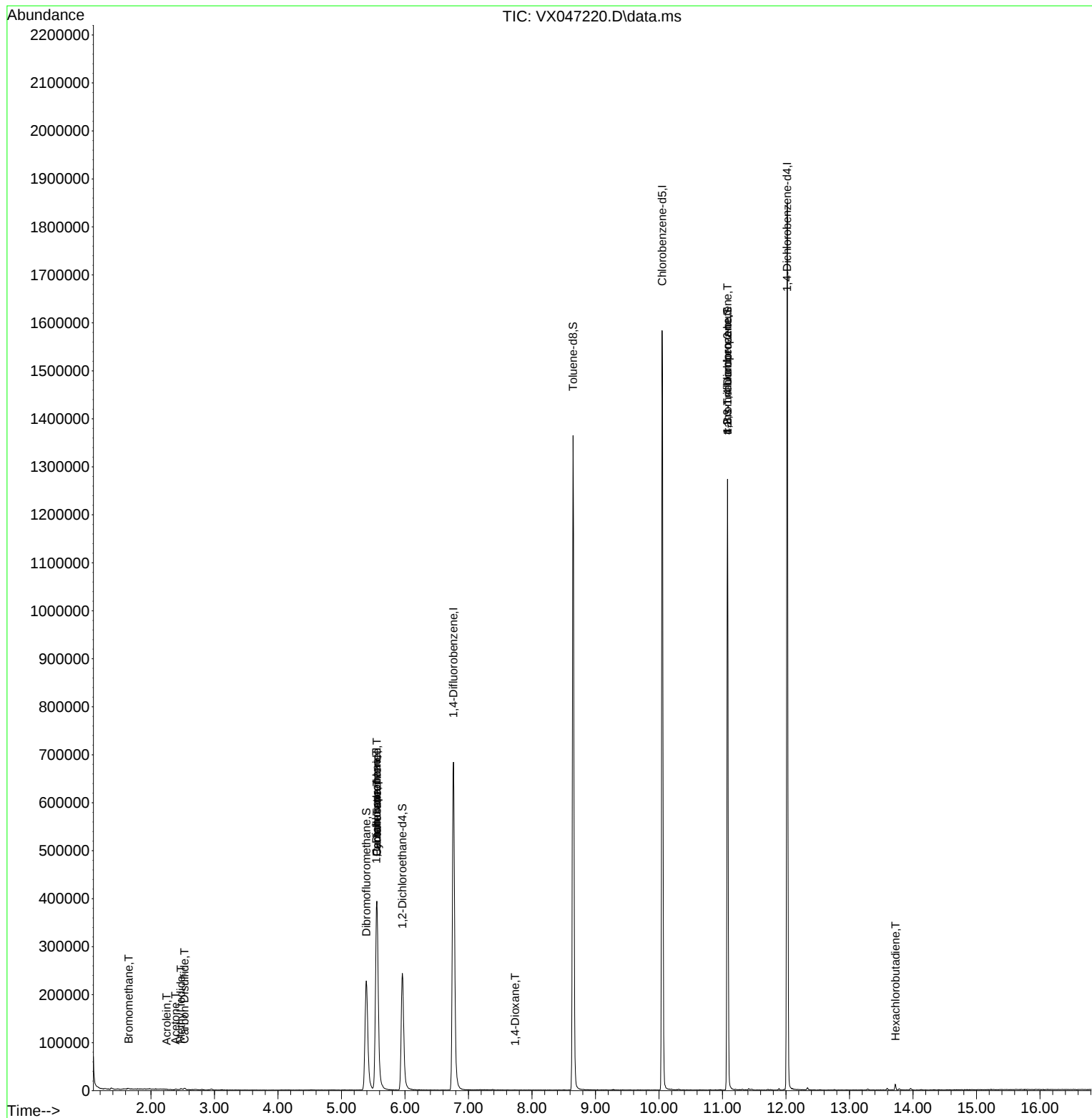
Internal Standards						
1) Pentafluorobenzene	5.556	168	391733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	723733	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	709867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	359919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	260086	53.299	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.600%		
35) Dibromofluoromethane	5.391	113	217601	48.696	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.400%		
50) Toluene-d8	8.647	98	800225	55.297	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 110.600%		
62) 4-Bromofluorobenzene	11.079	95	340317	54.570	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.140%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	723	0.241	ug/l	99
10) Methyl Iodide	2.471	142	3580	0.707	ug/l #	78
11) Tert butyl alcohol	2.953	59	82	Below Cal	#	72
13) Acrolein	2.246	56	224	0.213	ug/l	90
16) Acetone	2.386	43	2798	1.431	ug/l	93
17) Carbon Disulfide	2.526	76	3890	0.273	ug/l	98
31) Cyclohexane	5.556	56	9489	1.040	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	33184	4.357	ug/l #	49
38) Carbon Tetrachloride	5.556	117	41717	5.131	ug/l #	15
49) 1,4-Dioxane	7.732	88	25	0.369	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	174817	26.241	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	174817	67.608	ug/l #	8
94) Hexachlorobutadiene	13.725	225	1562	0.562	ug/l	98

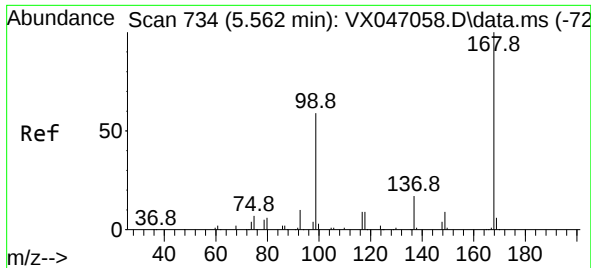
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 05 02:56:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

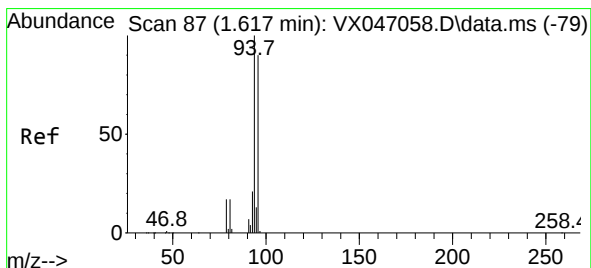
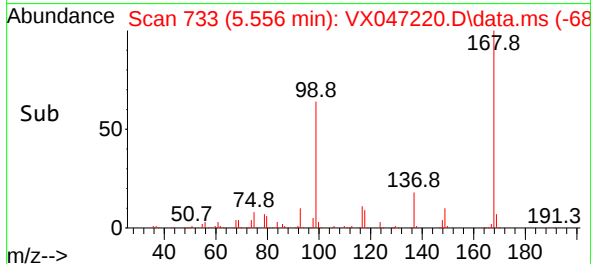
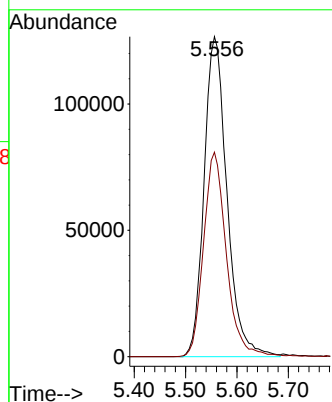
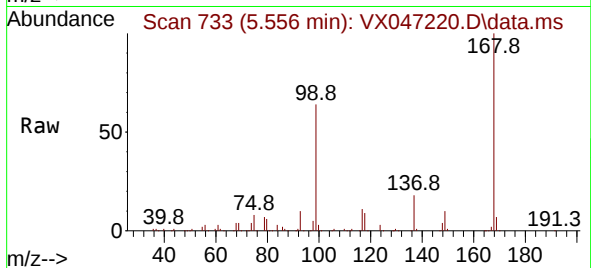




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

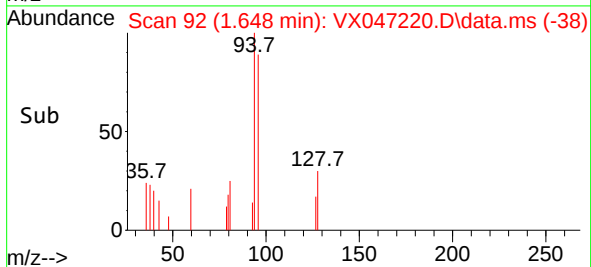
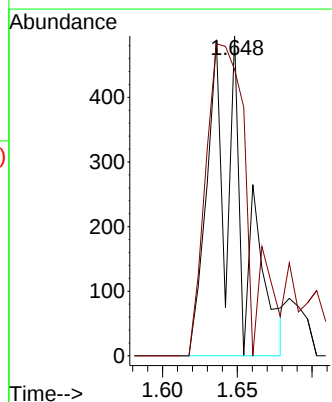
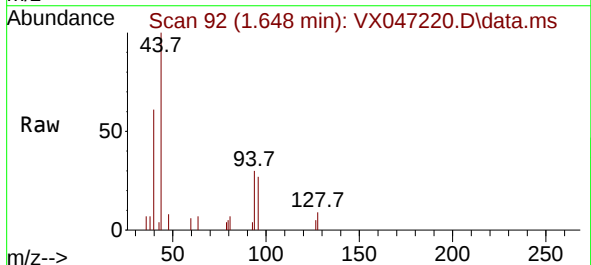
Instrument :
MSVOA_X
ClientSampleId :
IBLK

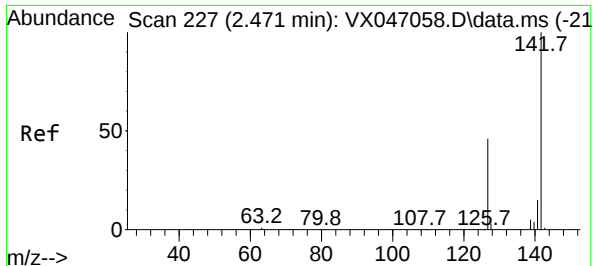
Tgt Ion:168 Resp: 391733
Ion Ratio Lower Upper
168 100
99 63.8 48.0 72.0



#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.031 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

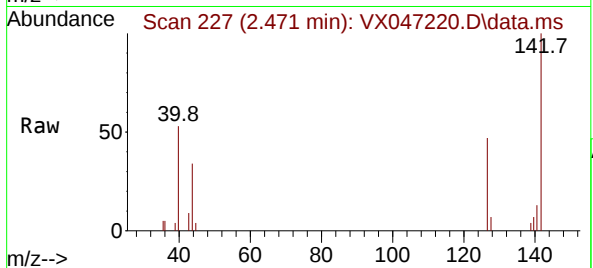
Tgt Ion: 94 Resp: 723
Ion Ratio Lower Upper
94 100
96 89.5 72.3 108.5



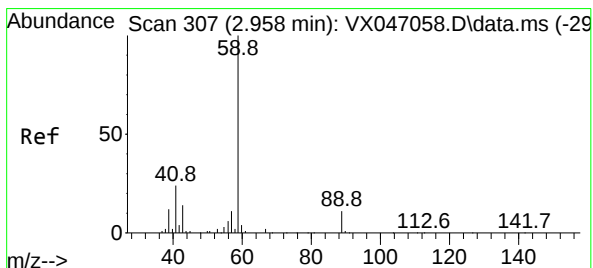
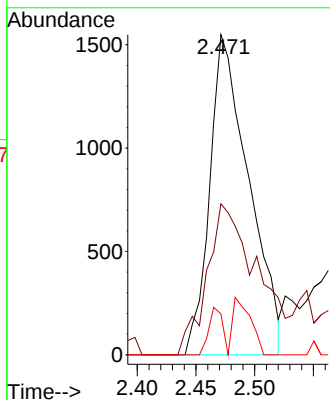
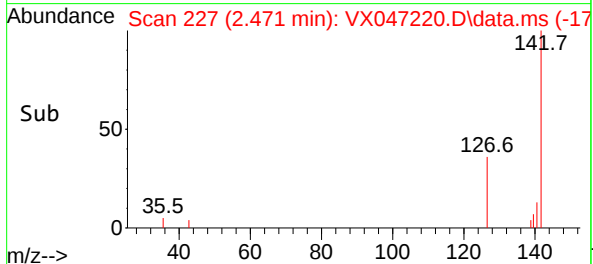


#10
Methyl Iodide
Concen: 0.707 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
IBLK

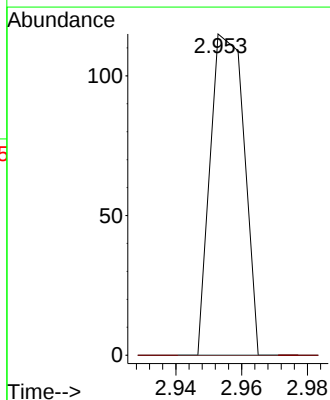
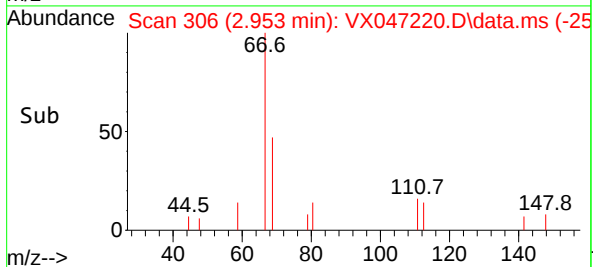
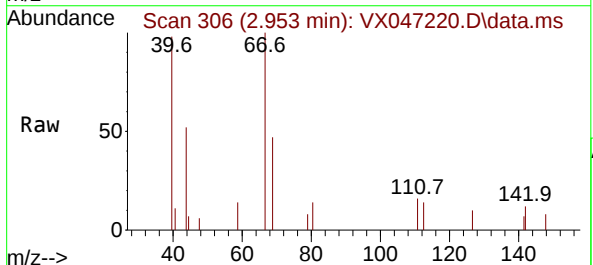


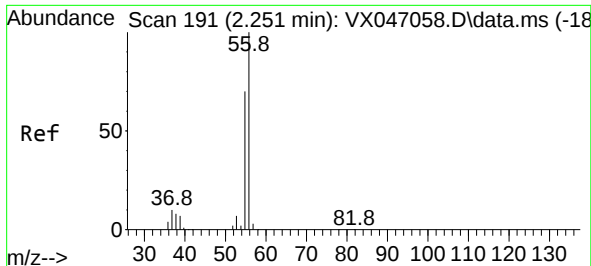
Tgt Ion:142 Resp: 3580
Ion Ratio Lower Upper
142 100
127 60.3 36.6 54.8#
141 5.2 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.213 ug/l

RT: 2.246 min Scan# 191

Delta R.T. -0.006 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

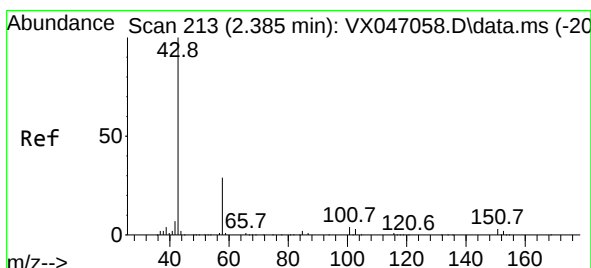
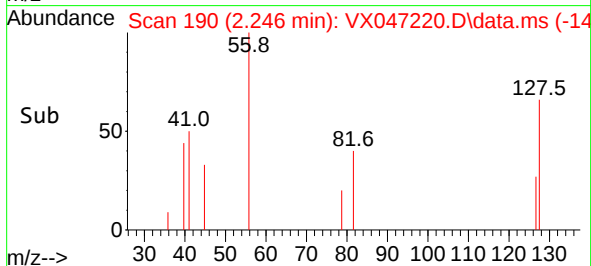
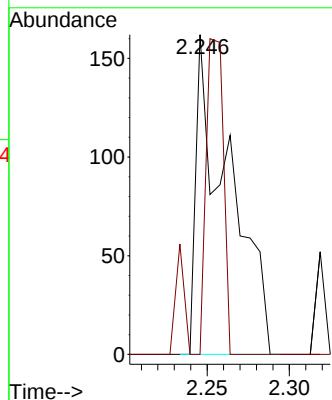
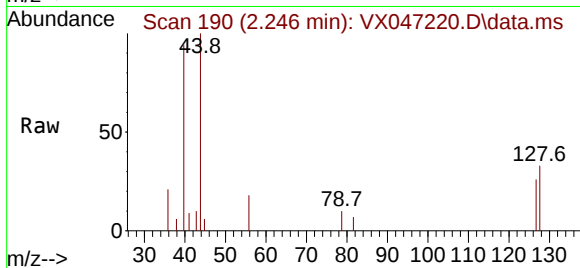
IBLK

Tgt Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 61.2 55.7 83.5



#16

Acetone

Concen: 1.431 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047220.D

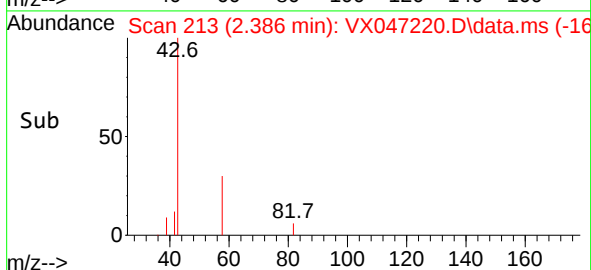
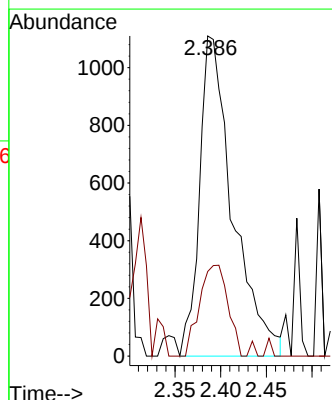
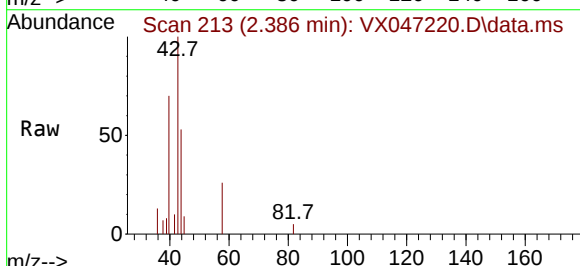
Acq: 04 Aug 2025 11:32

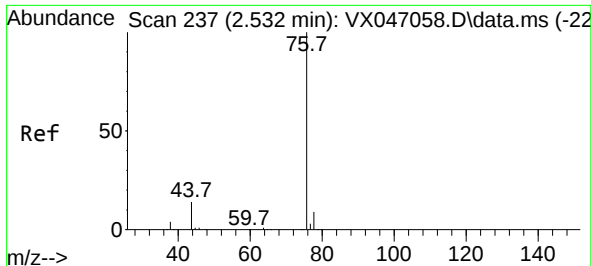
Tgt Ion: 43 Resp: 2798

Ion Ratio Lower Upper

43 100

58 26.4 24.0 36.0





#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

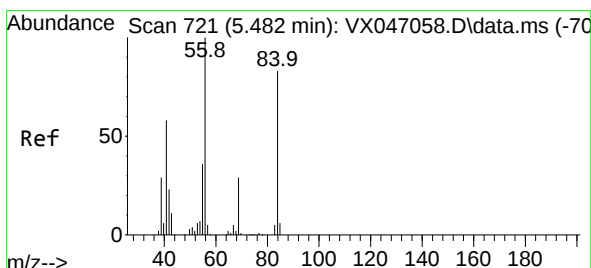
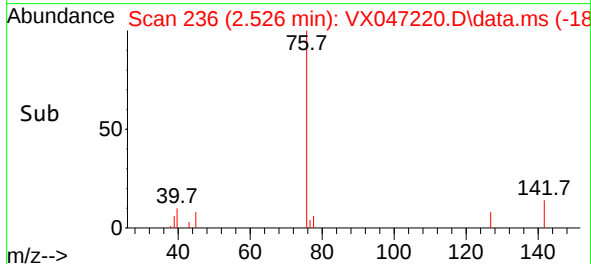
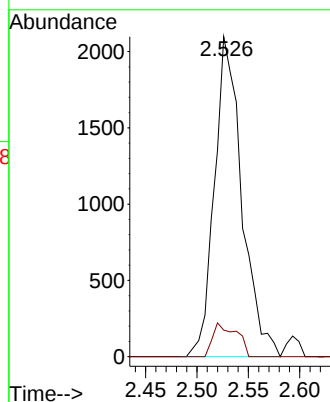
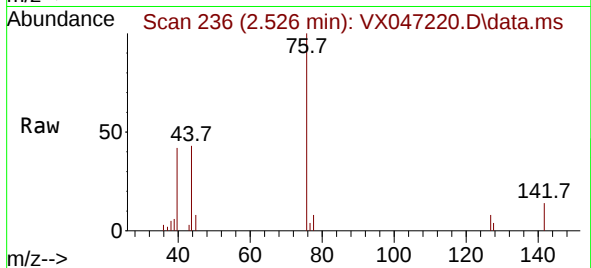
IBLK

Tgt Ion: 76 Resp: 3890

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.074 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

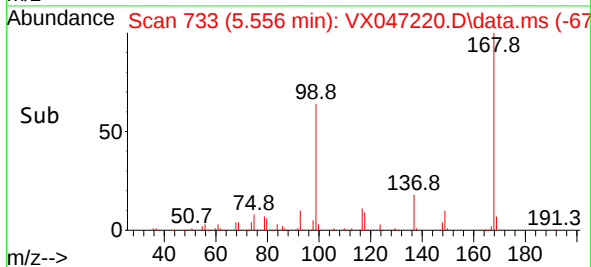
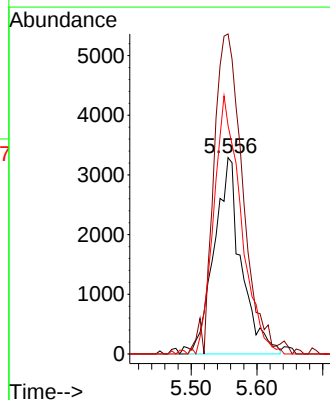
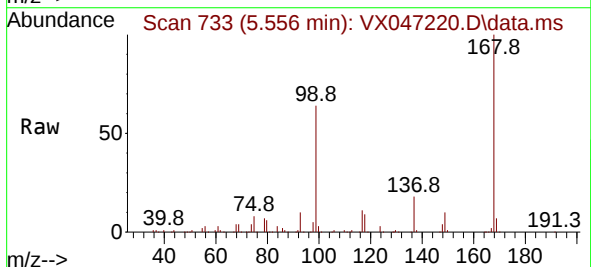
Tgt Ion: 56 Resp: 9489

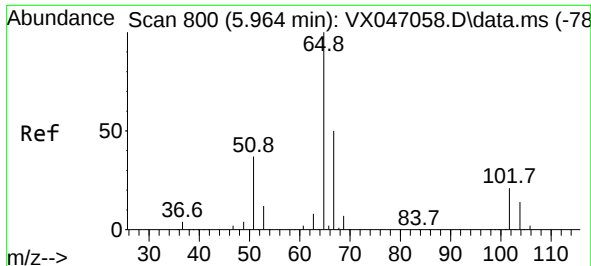
Ion Ratio Lower Upper

56 100

69 167.1 23.3 34.9#

84 114.3 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 53.299 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

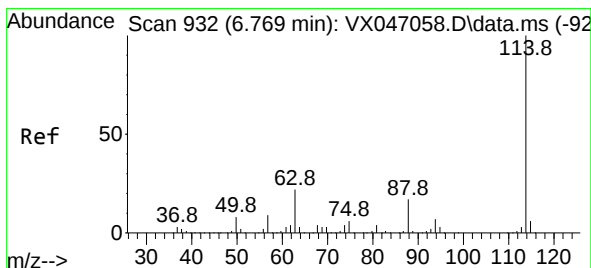
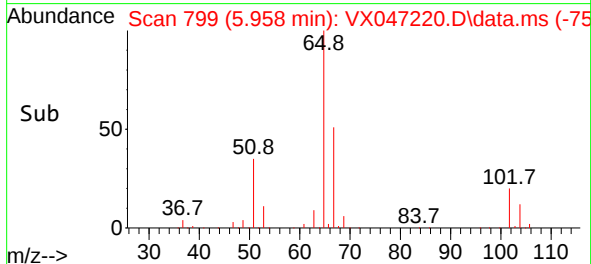
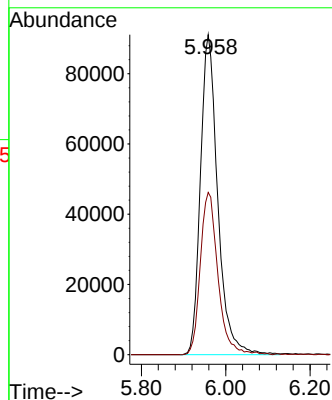
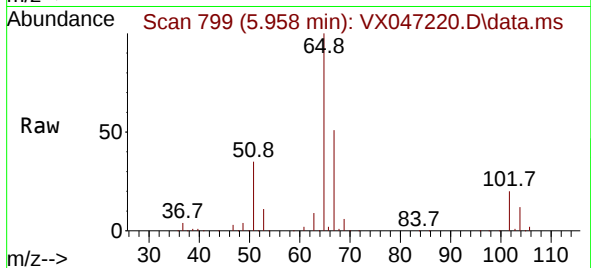
IBLK

Tgt Ion: 65 Resp: 260086

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

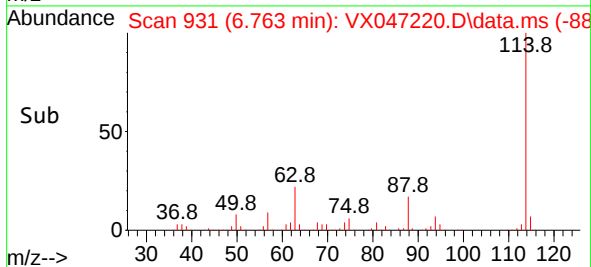
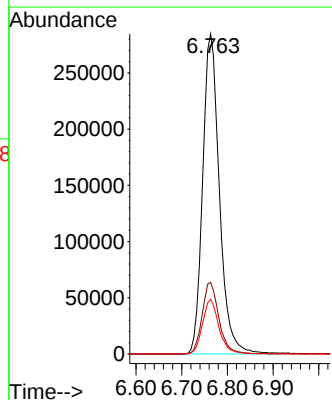
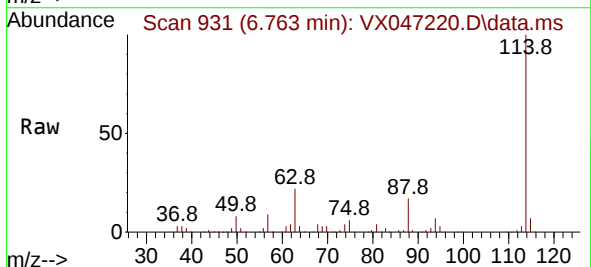
Tgt Ion: 114 Resp: 723733

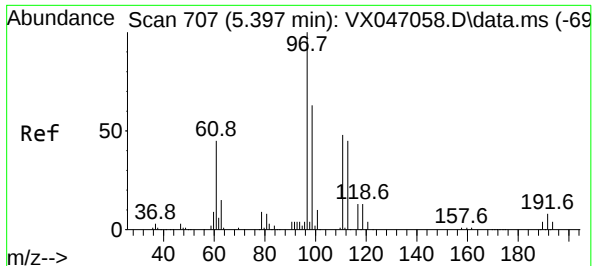
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 17.1 0.0 33.8

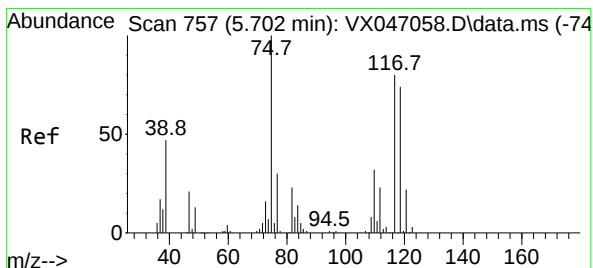
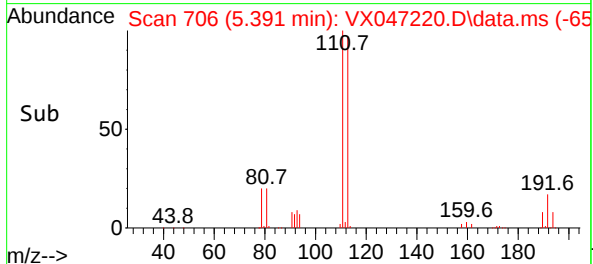
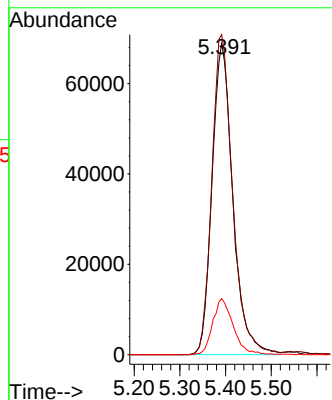
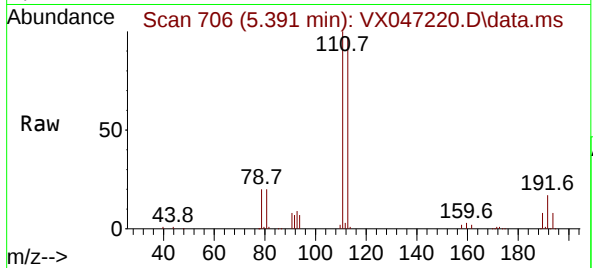




#35
Dibromofluoromethane
Concen: 48.696 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

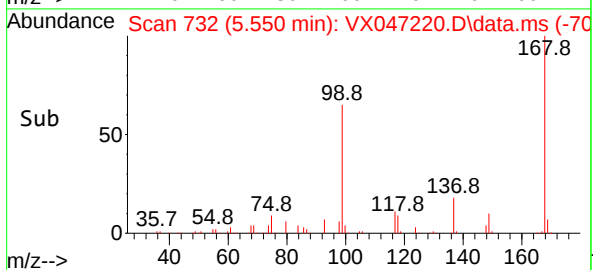
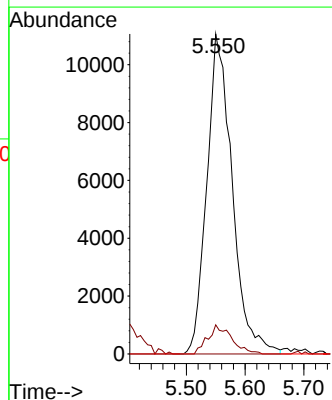
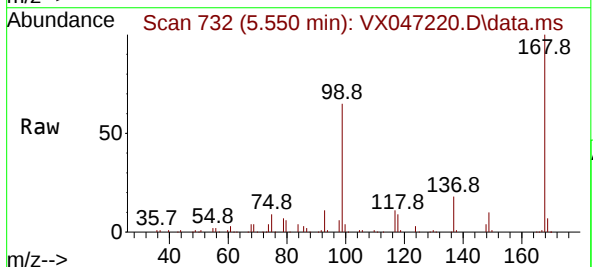
Instrument :
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IBLK

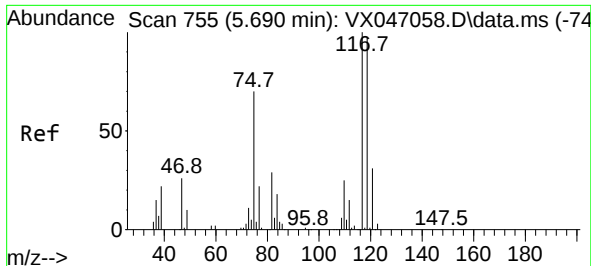
Tgt Ion:113 Resp: 217601
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 17.9 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.152 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Tgt Ion: 75 Resp: 33184
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.5#
77 0.0 25.1 37.7#

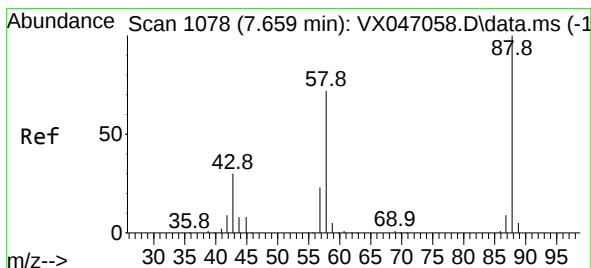
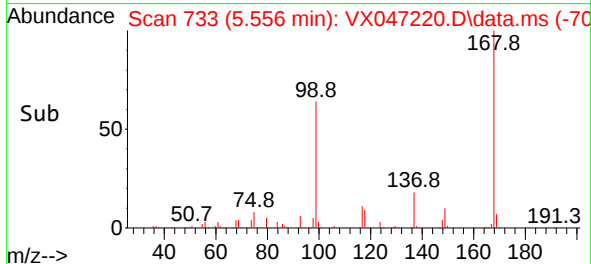
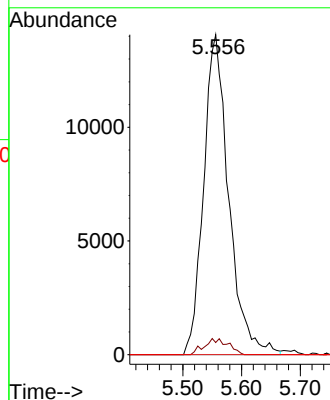
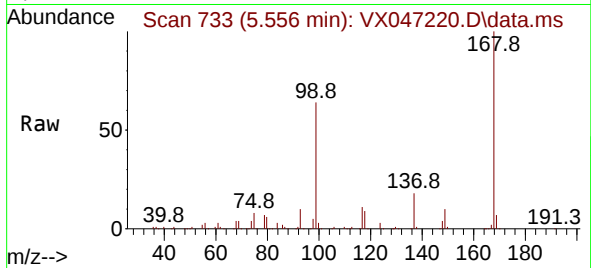




#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

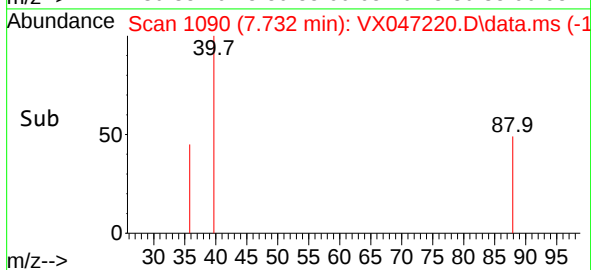
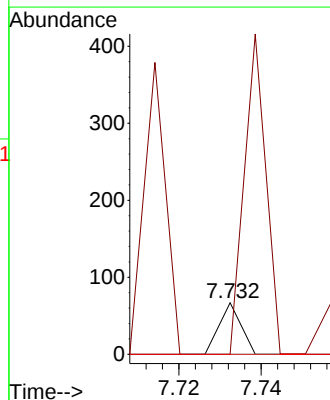
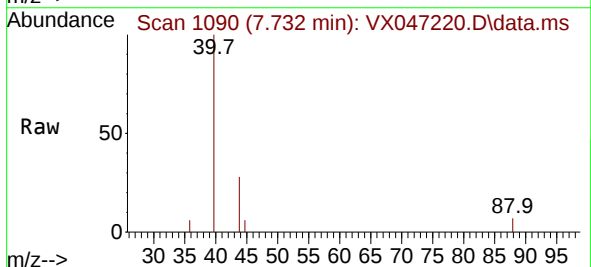
Instrument :
MSVOA_X
ClientSampleId :
IBLK

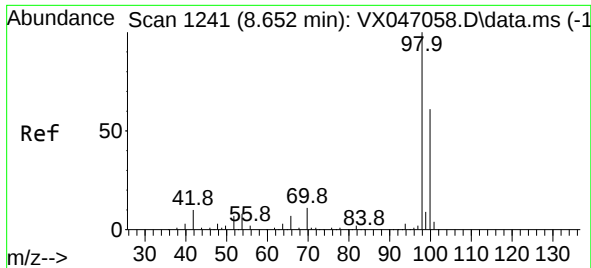
Tgt Ion:117 Resp: 41717
Ion Ratio Lower Upper
117 100
119 3.9 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.369 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.074 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 608.0 33.6 50.4#
58 0.0 58.8 88.2#

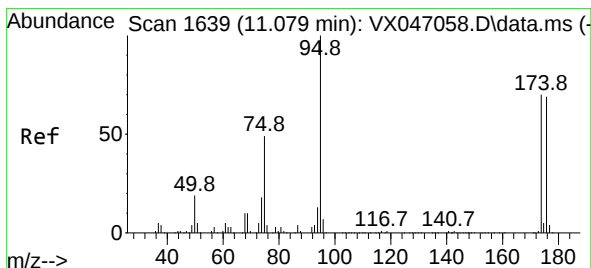
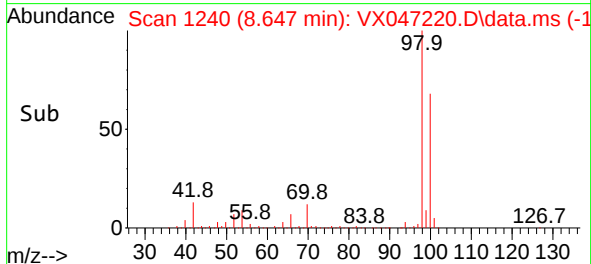
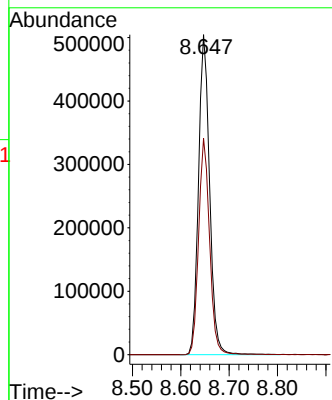
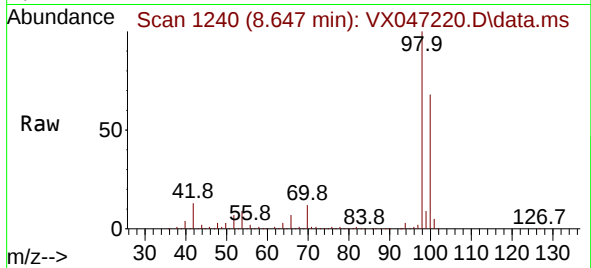




#50
Toluene-d8
Concen: 55.297 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

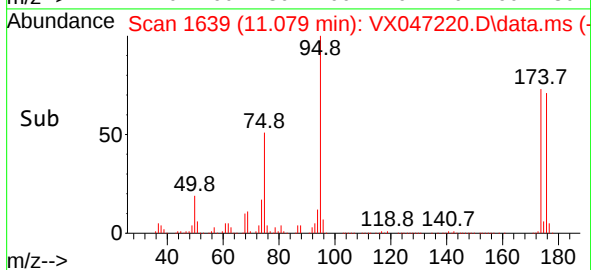
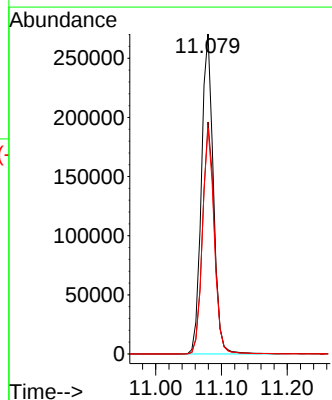
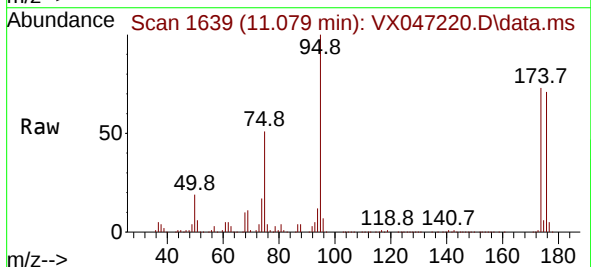
Instrument :
MSVOA_X
ClientSampleId :
IBLK

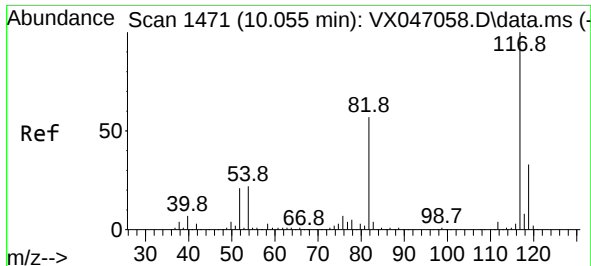
Tgt Ion: 98 Resp: 800225
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 54.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Tgt Ion: 95 Resp: 340317
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.6
176 69.7 0.0 139.6

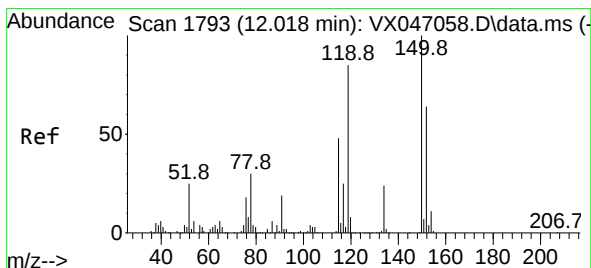
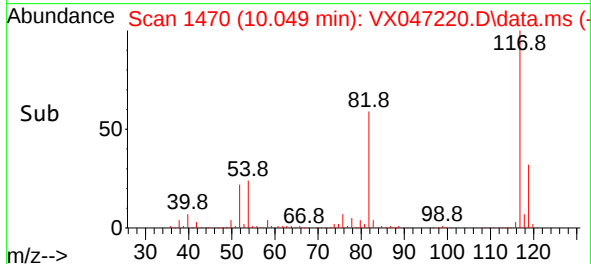
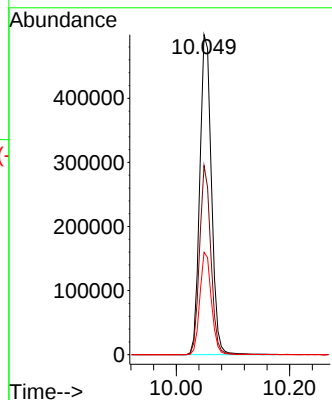
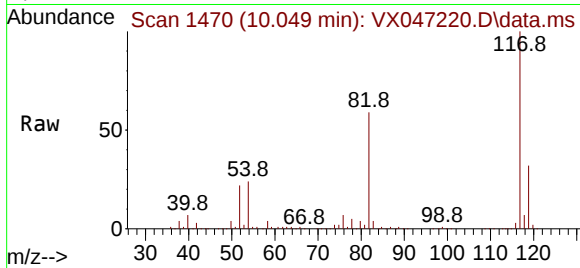




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

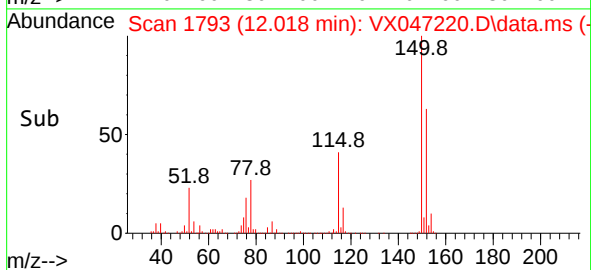
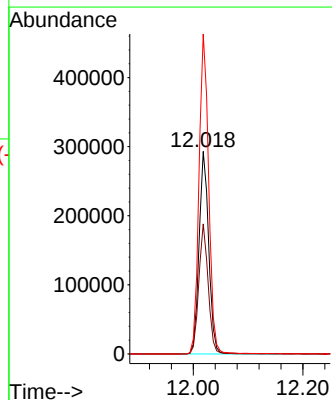
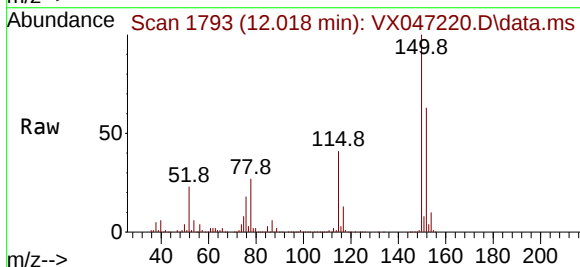
Instrument :
MSVOA_X
ClientSampleId :
IBLK

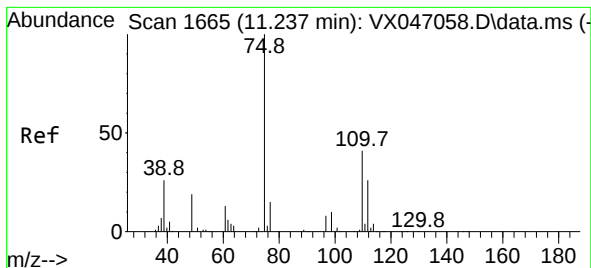
Tgt Ion:117 Resp: 709867
Ion Ratio Lower Upper
117 100
82 59.1 45.4 68.2
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047220.D
Acq: 04 Aug 2025 11:32

Tgt Ion:152 Resp: 359919
Ion Ratio Lower Upper
152 100
115 62.8 45.6 136.7
150 158.7 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 26.241 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

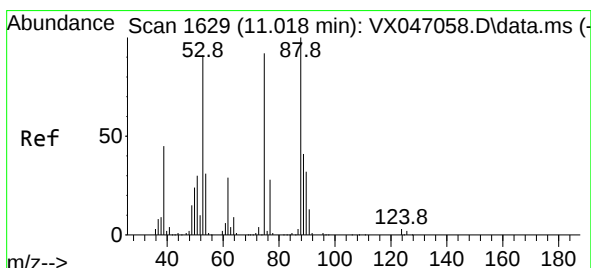
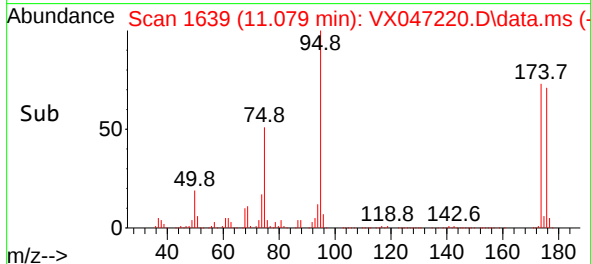
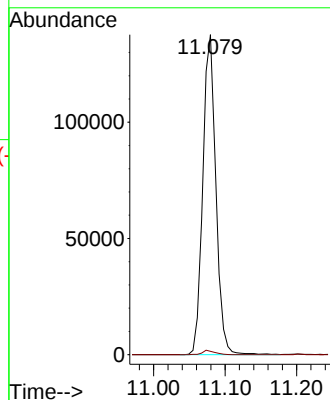
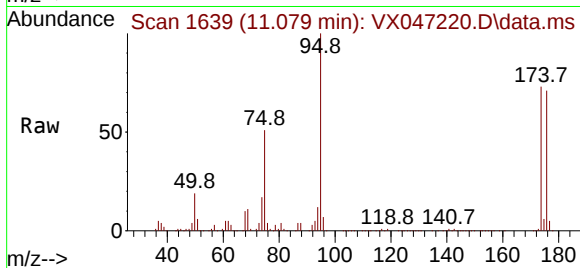
IBLK

Tgt Ion: 75 Resp: 174817

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.608 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047220.D

Acq: 04 Aug 2025 11:32

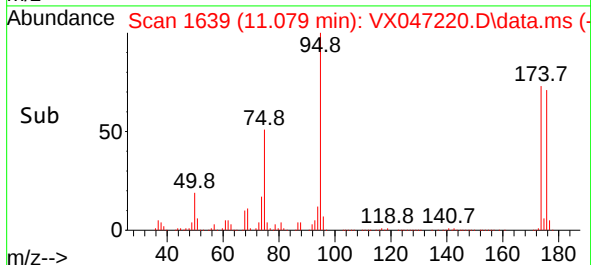
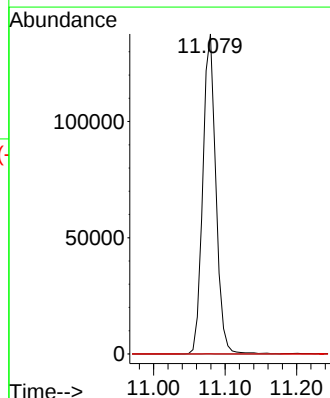
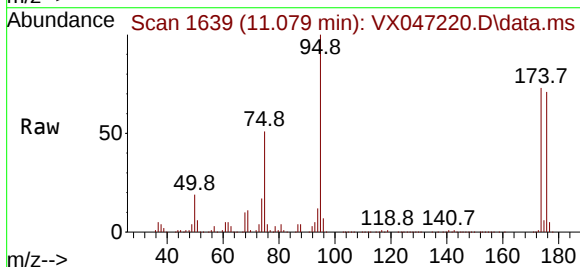
Tgt Ion: 75 Resp: 174817

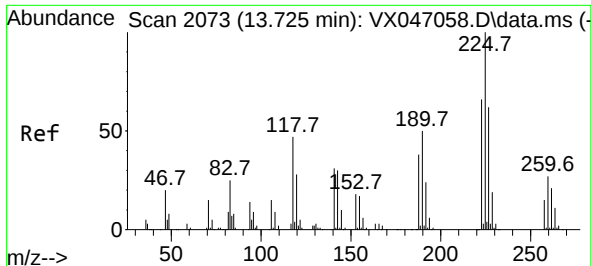
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#





#94

Hexachlorobutadiene

Concen: 0.562 ug/l

RT: 13.725 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX047220.D

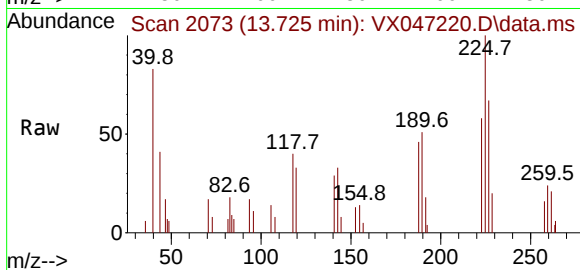
Acq: 04 Aug 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:	225	Resp:	1562
Ion Ratio	Lower	Upper	
225	100		
223	66.3	31.6	95.0
227	66.1	32.9	98.6

