

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047275.D
 Acq On : 08 Aug 2025 16:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 11 02:03:57 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)

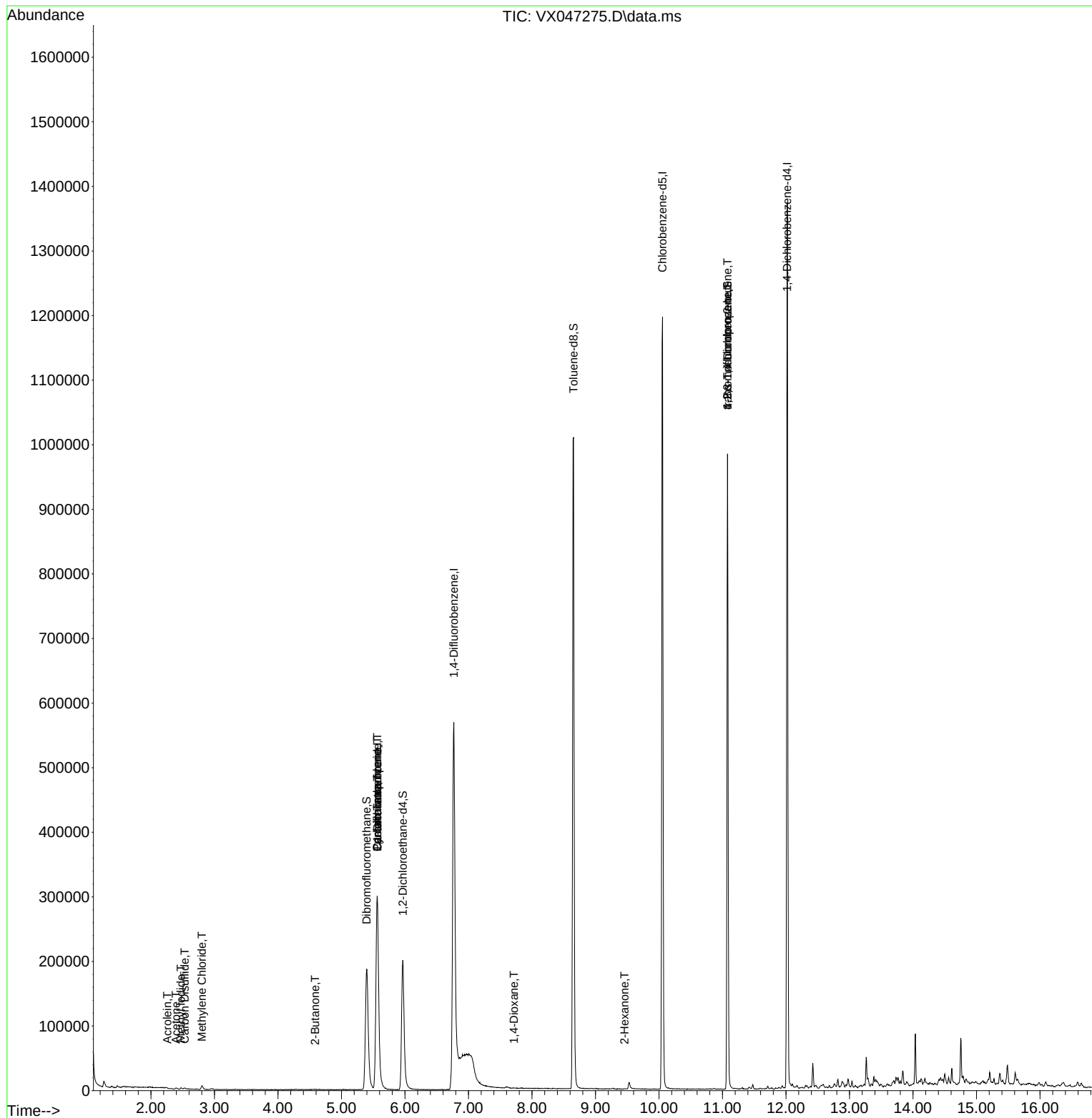
Internal Standards						
1) Pentafluorobenzene	5.562	168	301091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	581043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	548141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	271668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	212711	56.713	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.420%			
35) Dibromofluoromethane	5.398	113	179174	49.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.653	98	619284	53.303	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.600%			
62) 4-Bromofluorobenzene	11.079	95	264177	52.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.520%			
Target Compounds						Qvalue
10) Methyl Iodide	2.471	142	2855	0.733	ug/l #	96
11) Tert butyl alcohol	2.959	59	167	Below Cal	#	72
13) Acrolein	2.258	56	341	0.422	ug/l #	76
16) Acetone	2.392	43	2179	1.450	ug/l #	76
17) Carbon Disulfide	2.532	76	2618	0.239	ug/l #	90
20) Methylene Chloride	2.800	84	2831	0.685	ug/l #	83
25) 2-Butanone	4.587	43	461	0.211	ug/l #	52
31) Cyclohexane	5.562	56	7174	1.023	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	24926	4.076	ug/l #	50
38) Carbon Tetrachloride	5.562	117	32211	4.935	ug/l #	17
49) 1,4-Dioxane	7.714	88	23	0.423	ug/l #	20
59) 2-Hexanone	9.458	43	776	0.225	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	135004	26.848	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	135004	69.171	ug/l #	8

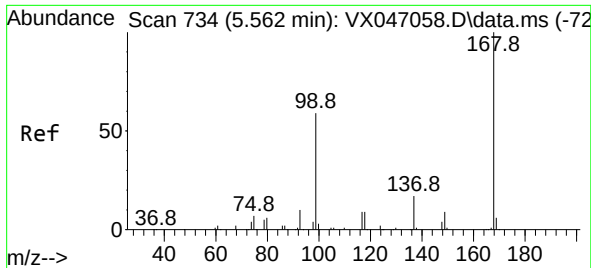
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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IBLK

Quant Time: Aug 11 02:03:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

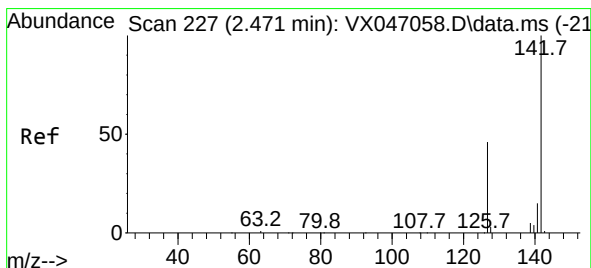
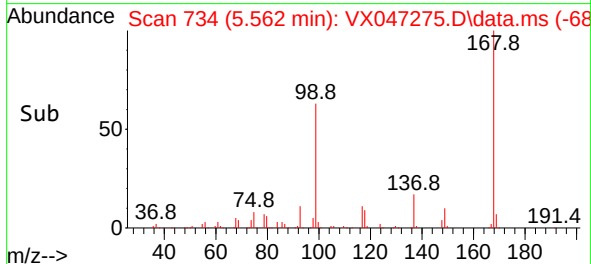
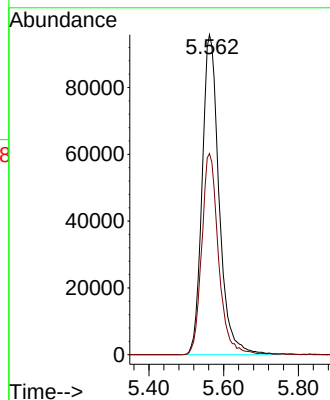
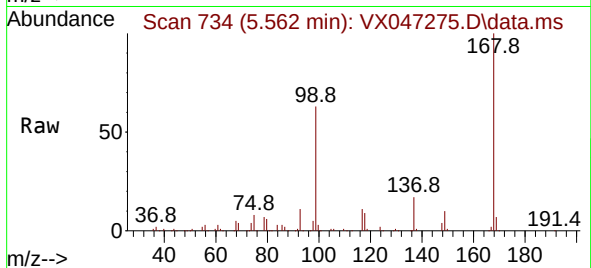




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

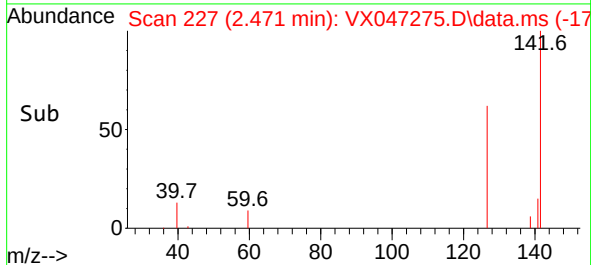
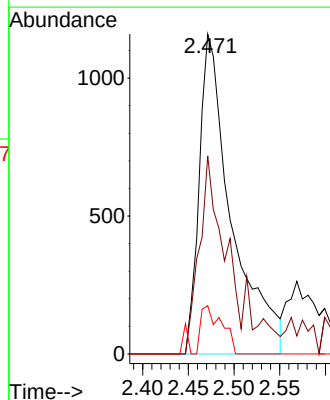
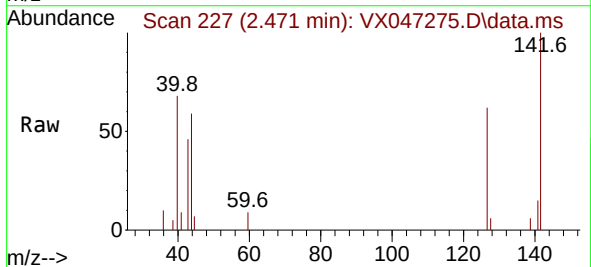
Instrument :
MSVOA_X
ClientSampleId :
IBLK

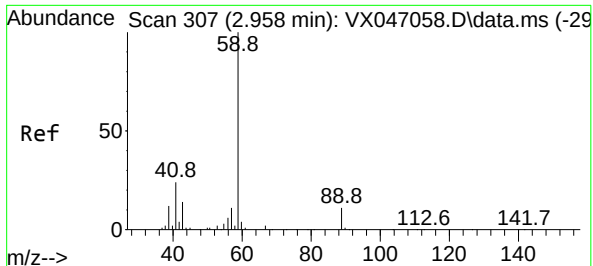
Tgt Ion:168 Resp: 301091
Ion Ratio Lower Upper
168 100
99 62.8 48.0 72.0



#10
Methyl Iodide
Concen: 0.733 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion:142 Resp: 2855
Ion Ratio Lower Upper
142 100
127 47.5 36.6 54.8
141 9.7 10.9 16.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047275.D

Acq: 08 Aug 2025 16:33

Instrument :

MSVOA_X

ClientSampleId :

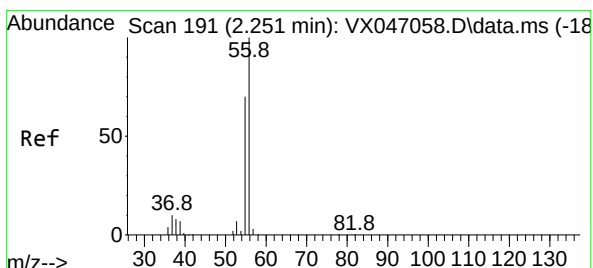
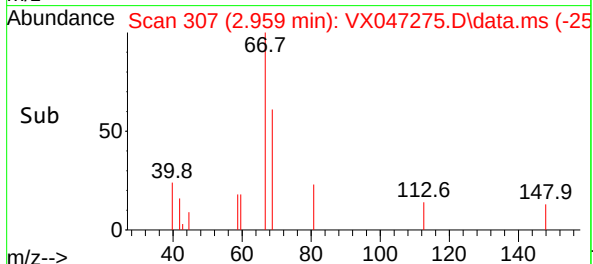
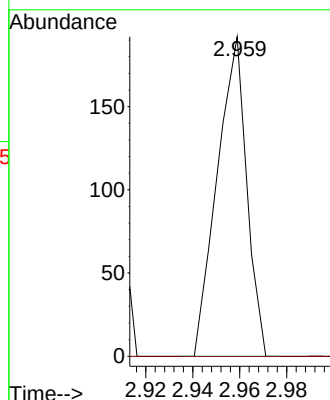
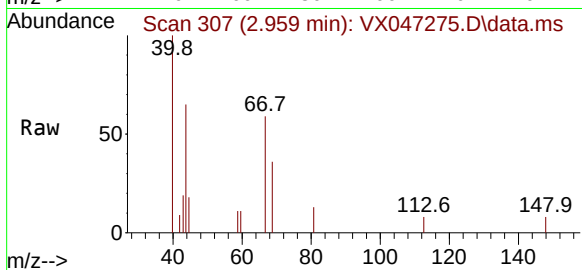
IBLK

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.422 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.007 min

Lab File: VX047275.D

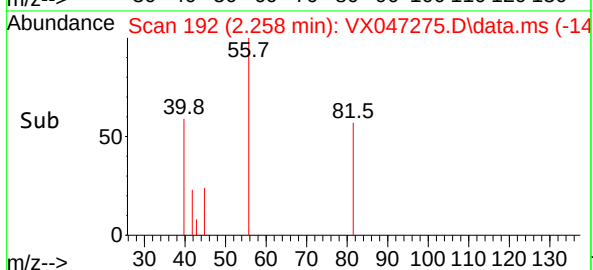
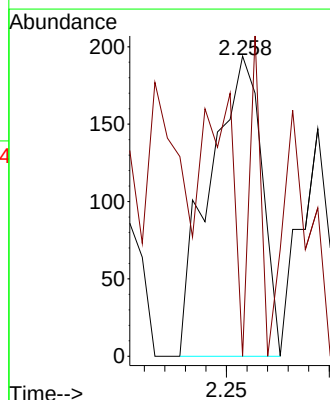
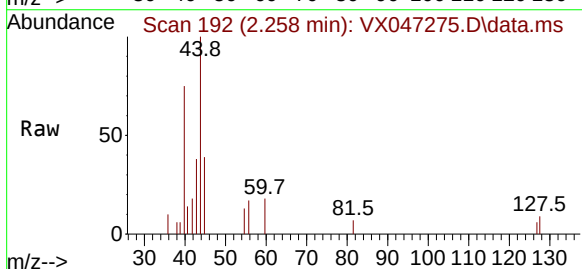
Acq: 08 Aug 2025 16:33

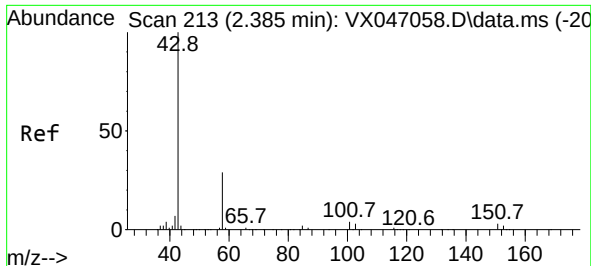
Tgt Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 49.9 55.7 83.5#

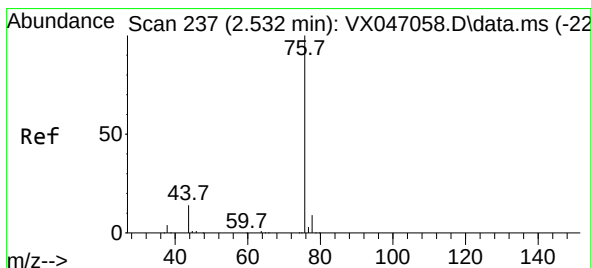
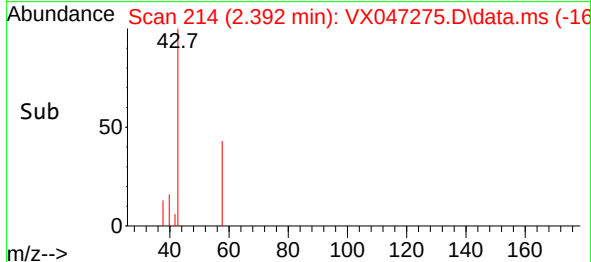
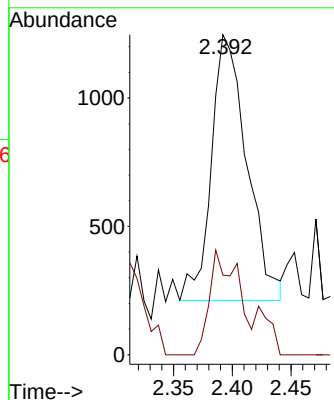
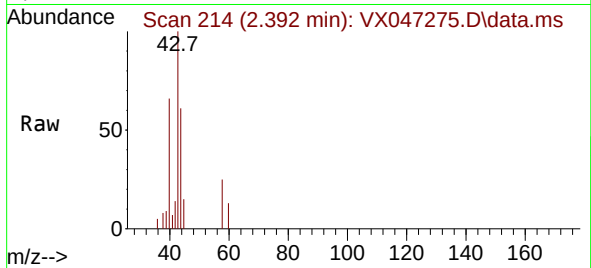




#16
Acetone
Concen: 1.450 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

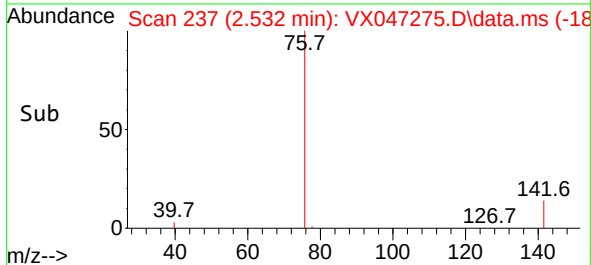
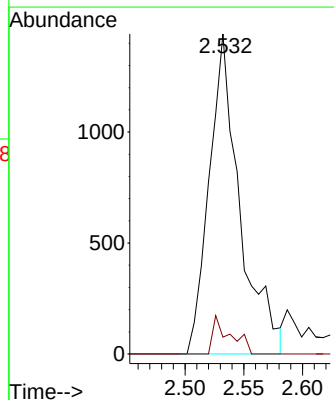
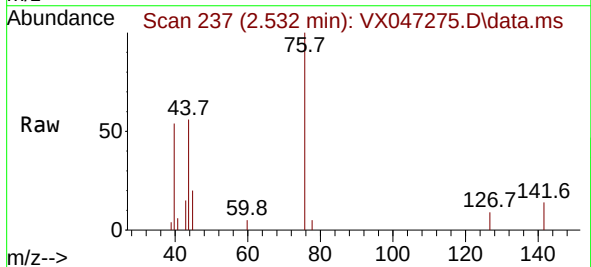
Instrument :
MSVOA_X
ClientSampleId :
IBLK

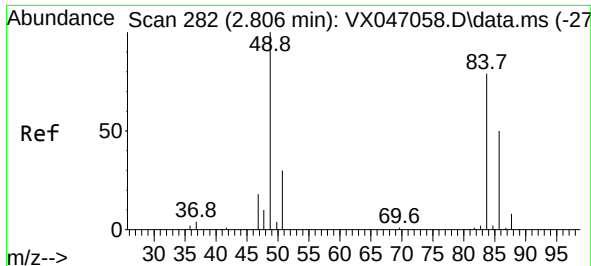
Tgt Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
58 17.2 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.001 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion: 76 Resp: 2618
Ion Ratio Lower Upper
76 100
78 5.3 7.0 10.4#



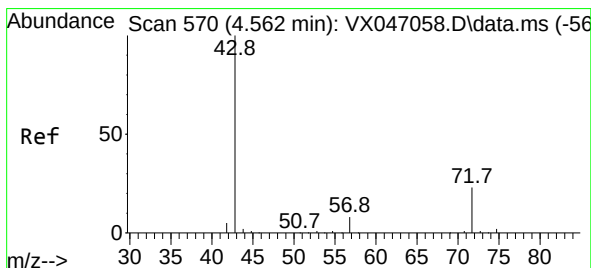
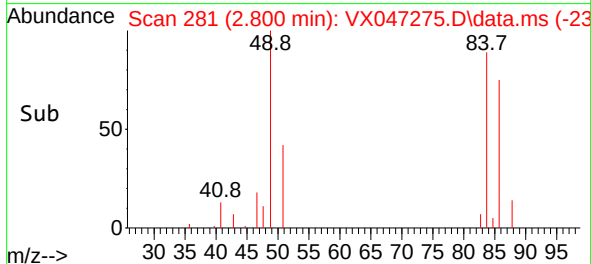
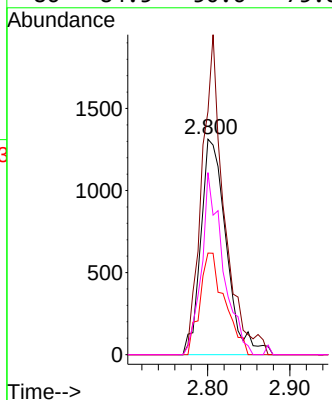
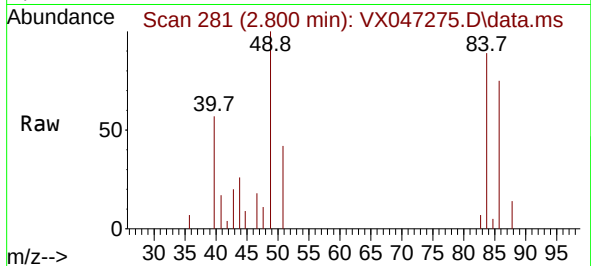


#20
Methylene Chloride
Concen: 0.685 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 2831

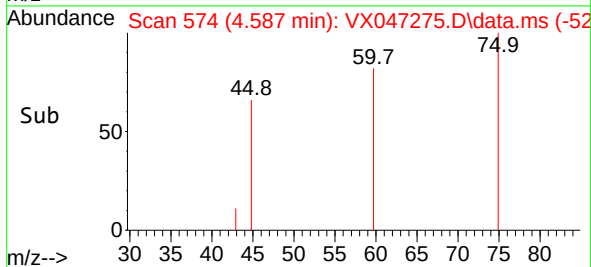
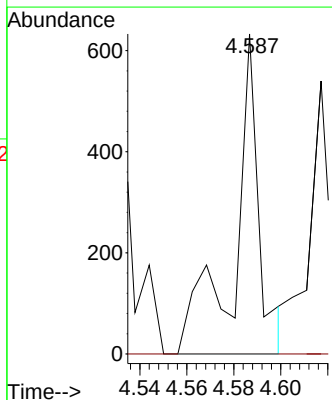
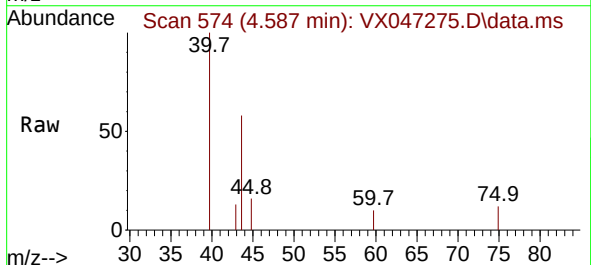
Ion	Ratio	Lower	Upper
84	100		
49	112.9	101.6	152.4
51	47.1	30.3	45.5#
86	84.5	50.6	75.8#

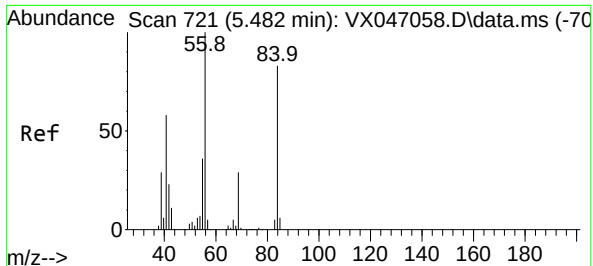


#25
2-Butanone
Concen: 0.211 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.025 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion: 43 Resp: 461

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2#

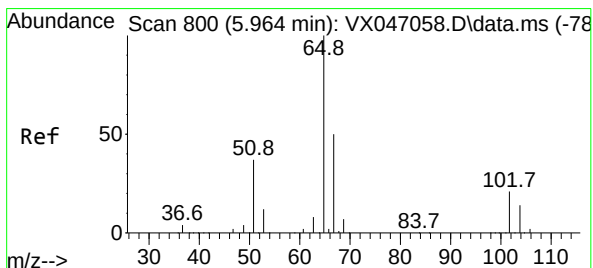
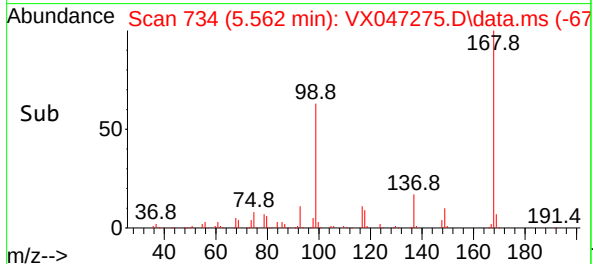
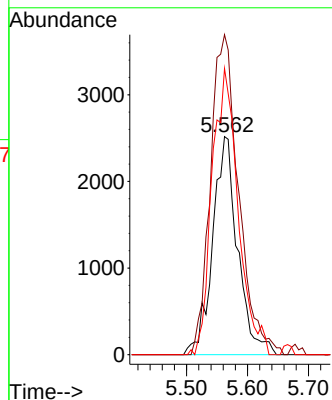
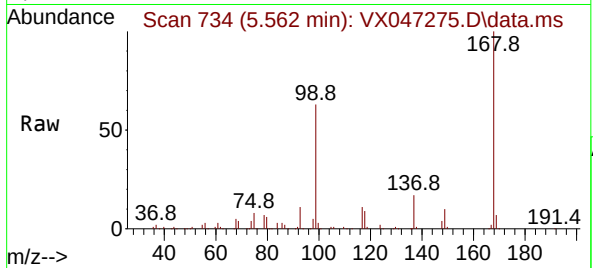




#31
Cyclohexane
Concen: 1.023 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

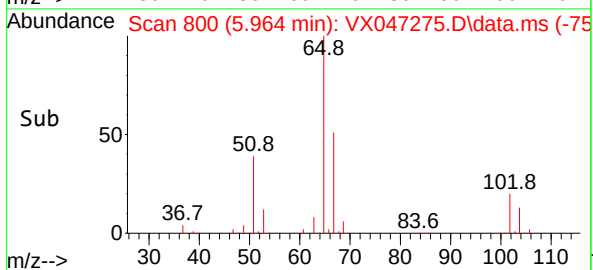
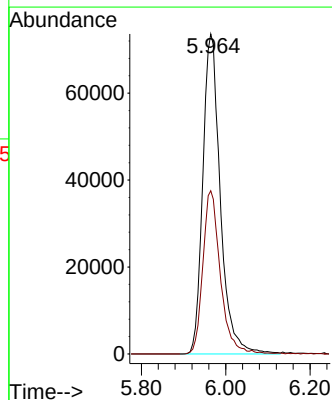
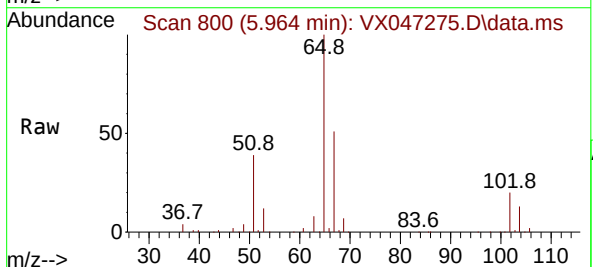
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IBLK

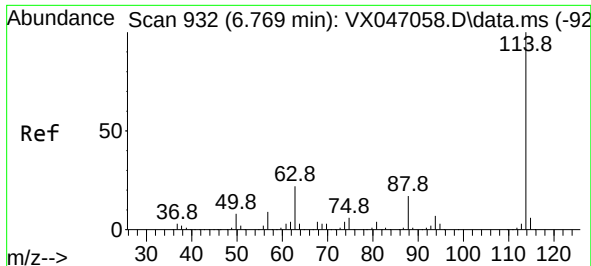
Tgt Ion: 56 Resp: 7174
Ion Ratio Lower Upper
56 100
69 146.7 23.3 34.9#
84 131.3 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 56.713 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion: 65 Resp: 212711
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8

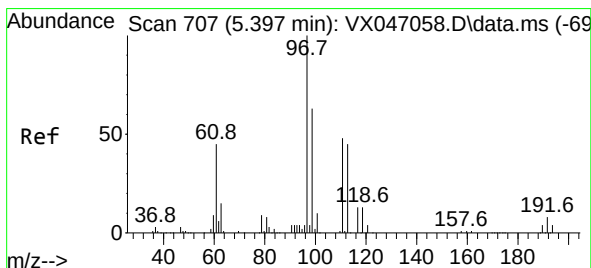
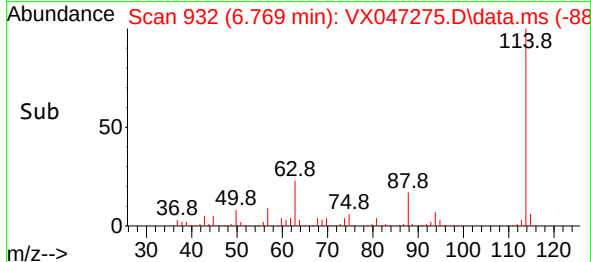
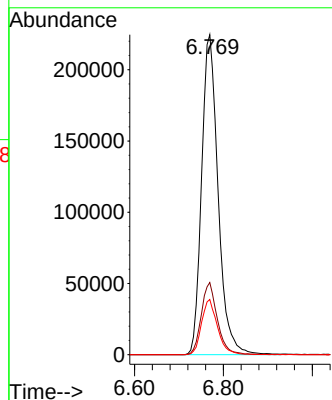
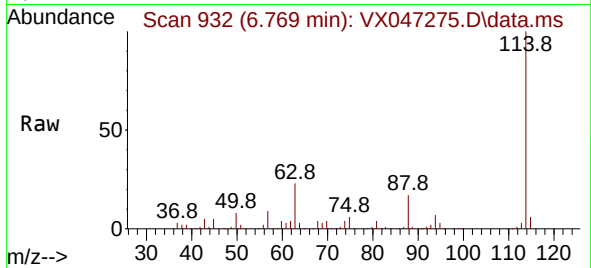




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

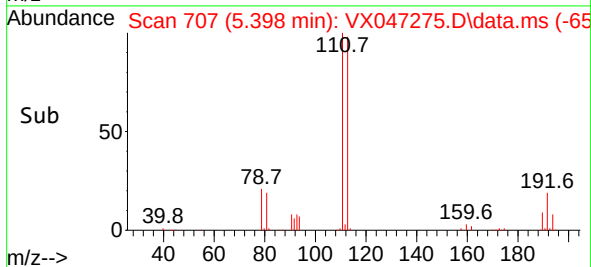
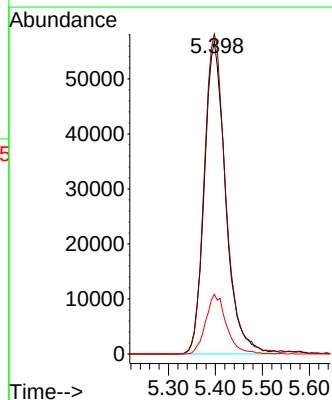
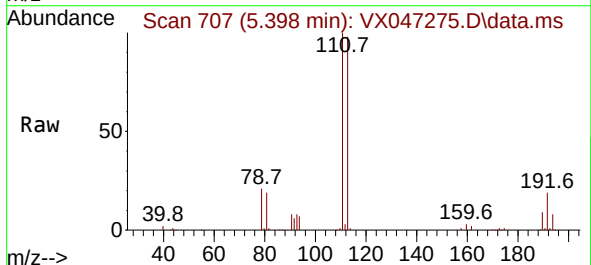
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ClientSampleId :
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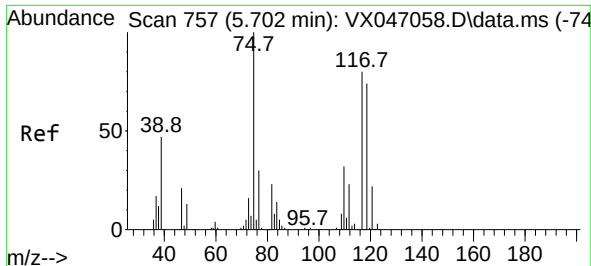
Tgt Ion:114 Resp: 581043
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.2
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.943 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion:113 Resp: 179174
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 18.5 14.9 22.3

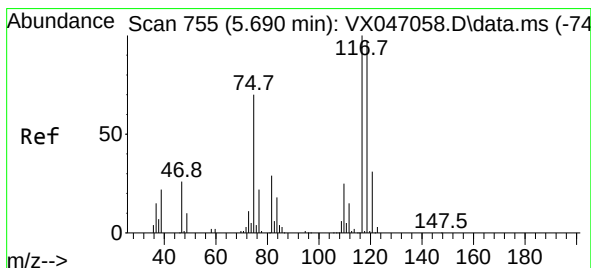
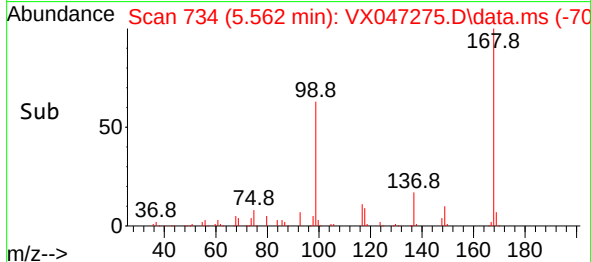
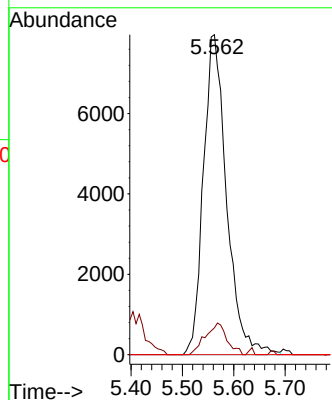
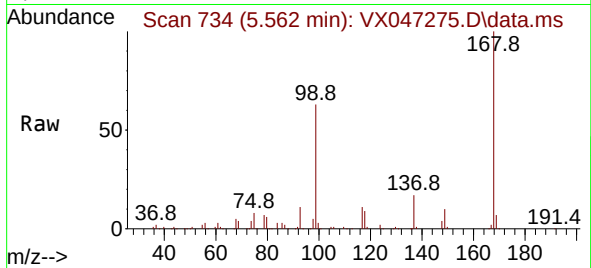




#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

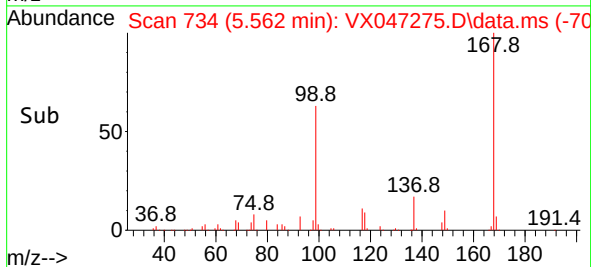
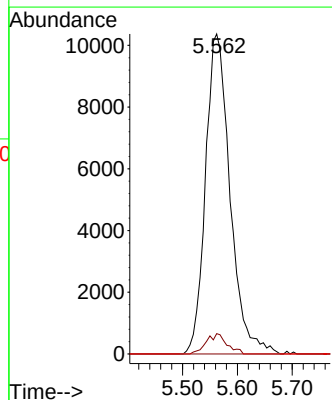
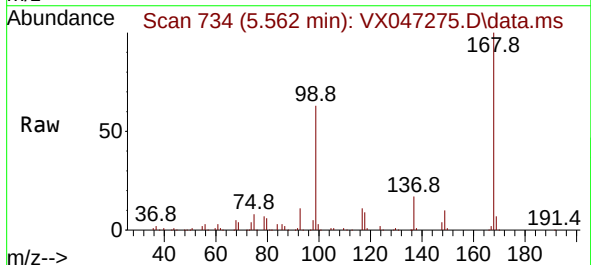
Instrument :
MSVOA_X
ClientSampleId :
IBLK

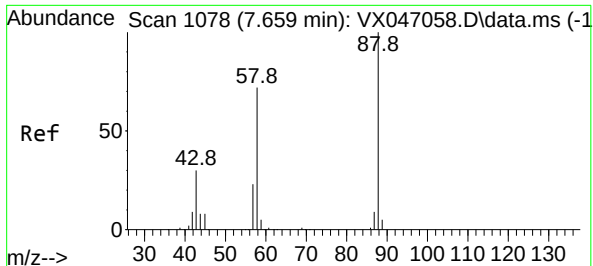
Tgt Ion: 75 Resp: 24926
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.935 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion: 117 Resp: 32211
Ion Ratio Lower Upper
117 100
119 6.3 76.6 115.0#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.423 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.055 min

Lab File: VX047275.D

Acq: 08 Aug 2025 16:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

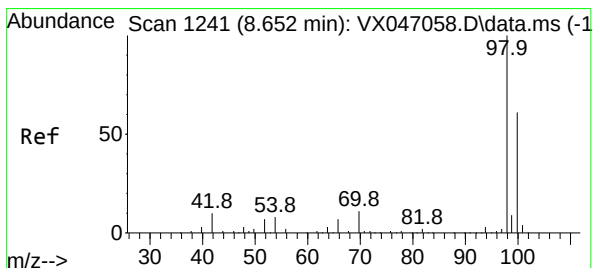
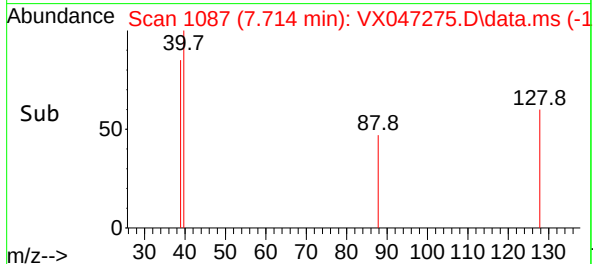
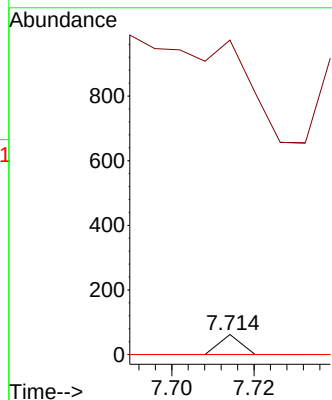
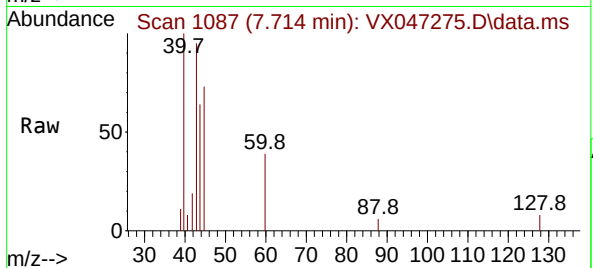
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 33.6 50.4#

58 0.0 58.8 88.2#



#50

Toluene-d8

Concen: 53.303 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX047275.D

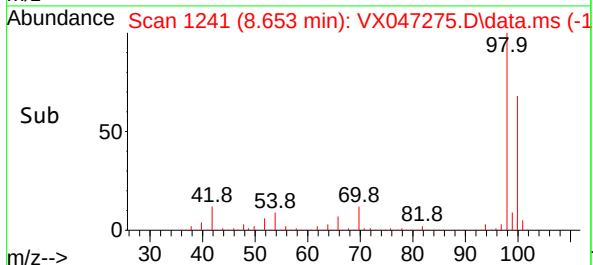
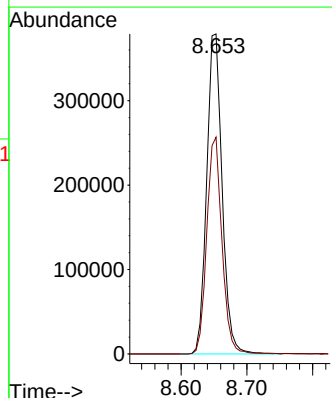
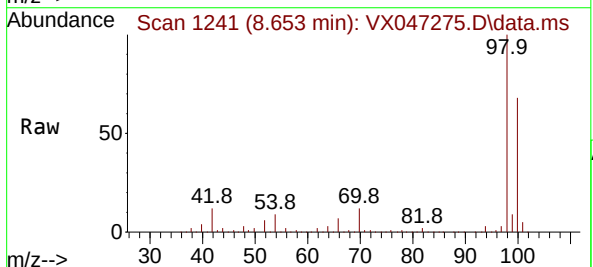
Acq: 08 Aug 2025 16:33

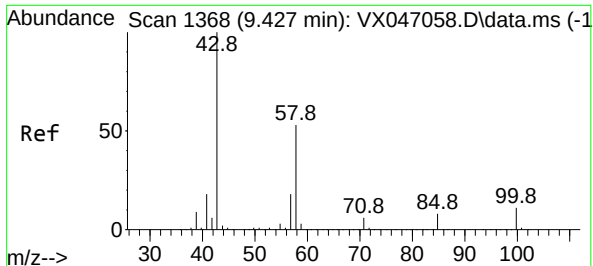
Tgt Ion: 98 Resp: 619284

Ion Ratio Lower Upper

98 100

100 66.8 53.3 79.9





#59

2-Hexanone

Concen: 0.225 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.031 min

Lab File: VX047275.D

Acq: 08 Aug 2025 16:33

Instrument :

MSVOA_X

ClientSampleId :

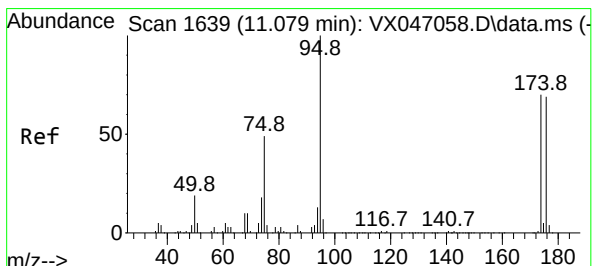
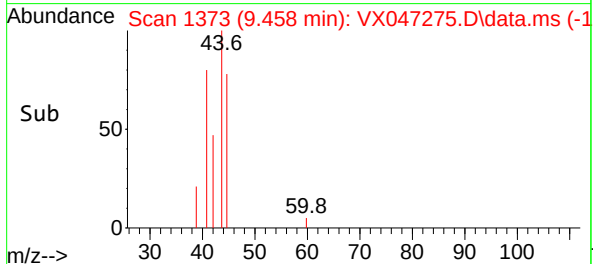
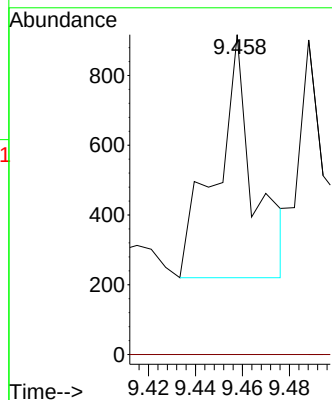
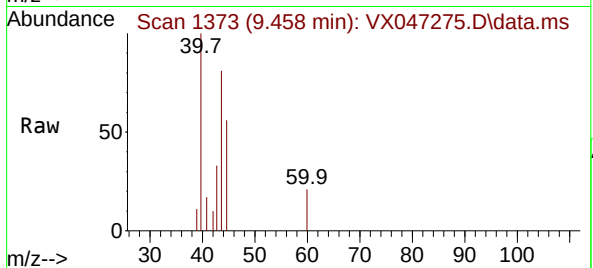
IBLK

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 52.764 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047275.D

Acq: 08 Aug 2025 16:33

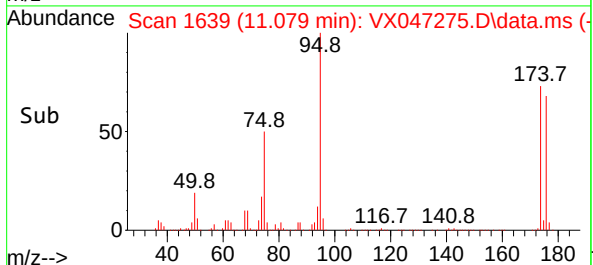
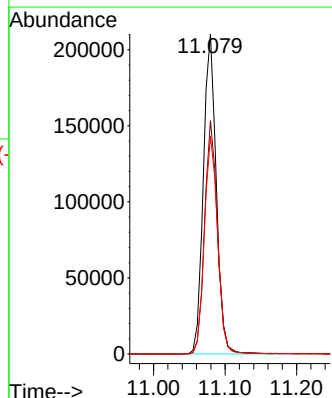
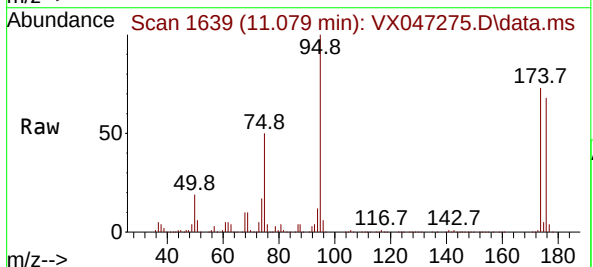
Tgt Ion: 95 Resp: 264177

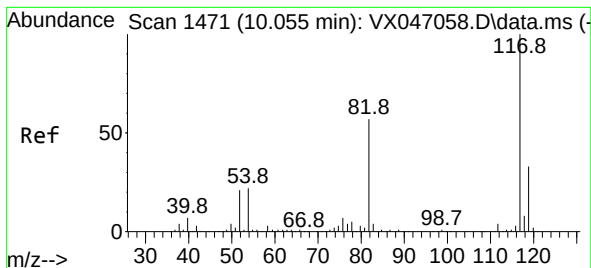
Ion Ratio Lower Upper

95 100

174 72.7 0.0 144.6

176 69.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047275.D

Acq: 08 Aug 2025 16:33

Instrument :

MSVOA_X

ClientSampleId :

IBLK

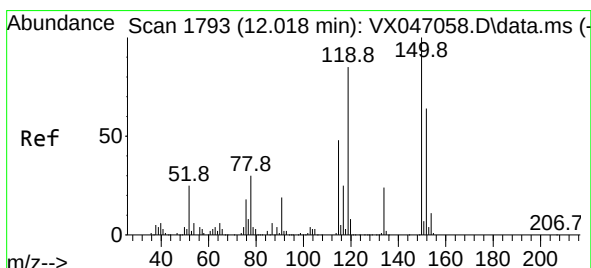
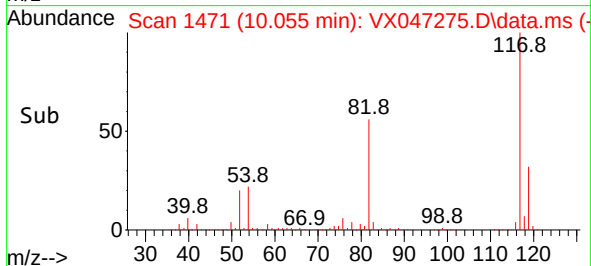
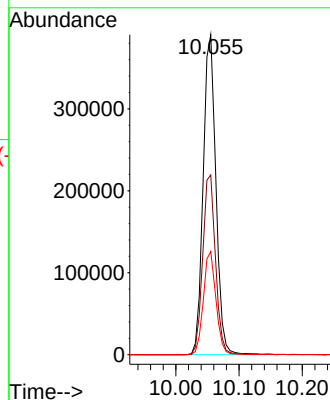
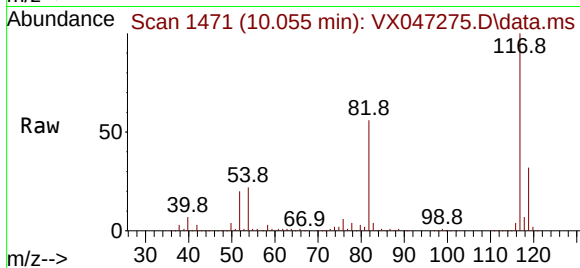
Tgt Ion:117 Resp: 548141

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.2

119 32.2 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: VX047275.D

Acq: 08 Aug 2025 16:33

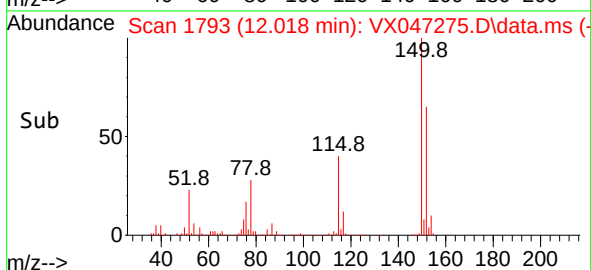
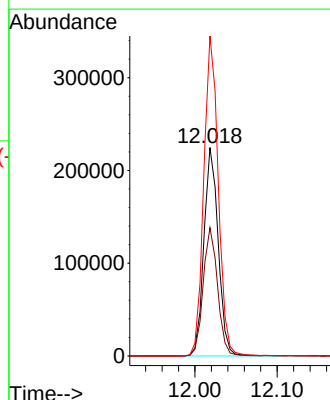
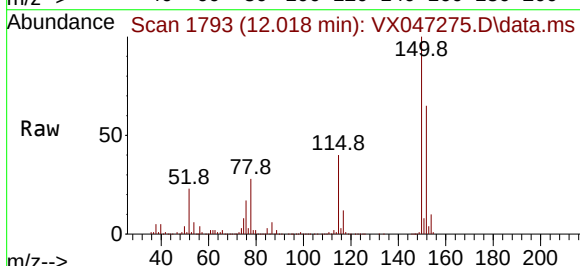
Tgt Ion:152 Resp: 271668

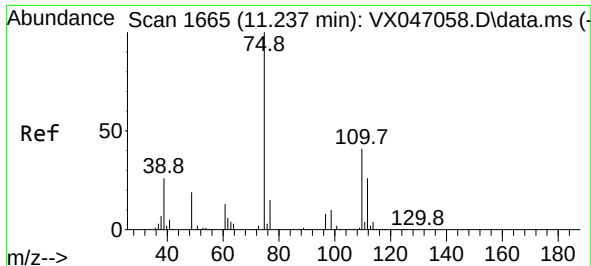
Ion Ratio Lower Upper

152 100

115 61.9 45.6 136.7

150 155.4 0.0 354.6

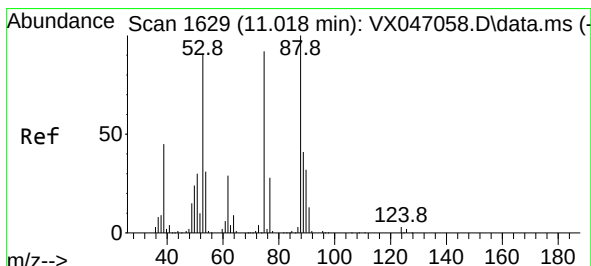
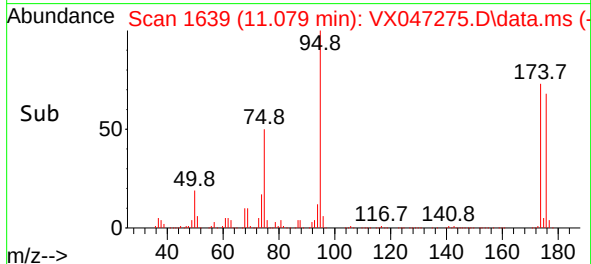
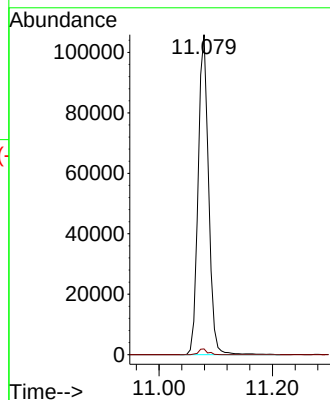
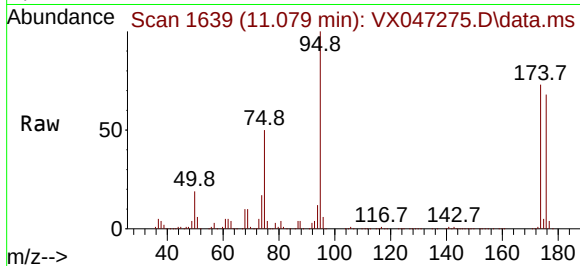




#76
1,2,3-Trichloropropane
Concen: 26.848 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 135004
Ion Ratio Lower Upper
75 100
77 1.6 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047275.D
Acq: 08 Aug 2025 16:33

Tgt Ion: 75 Resp: 135004
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

