

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047089.D
 Acq On : 23 Jul 2025 14:28
 Operator : JC/MD
 Sample : Q2660-03 20X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-25-0218

Quant Time: Jul 24 05:51:15 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	446684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	813909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	762075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	370778	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	292547	52.576	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.160%	
35) Dibromofluoromethane	5.397	113	239541	47.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.340%	
50) Toluene-d8	8.647	98	877691	53.931	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.860%	
62) 4-Bromofluorobenzene	11.079	95	351355	50.098	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.200%	

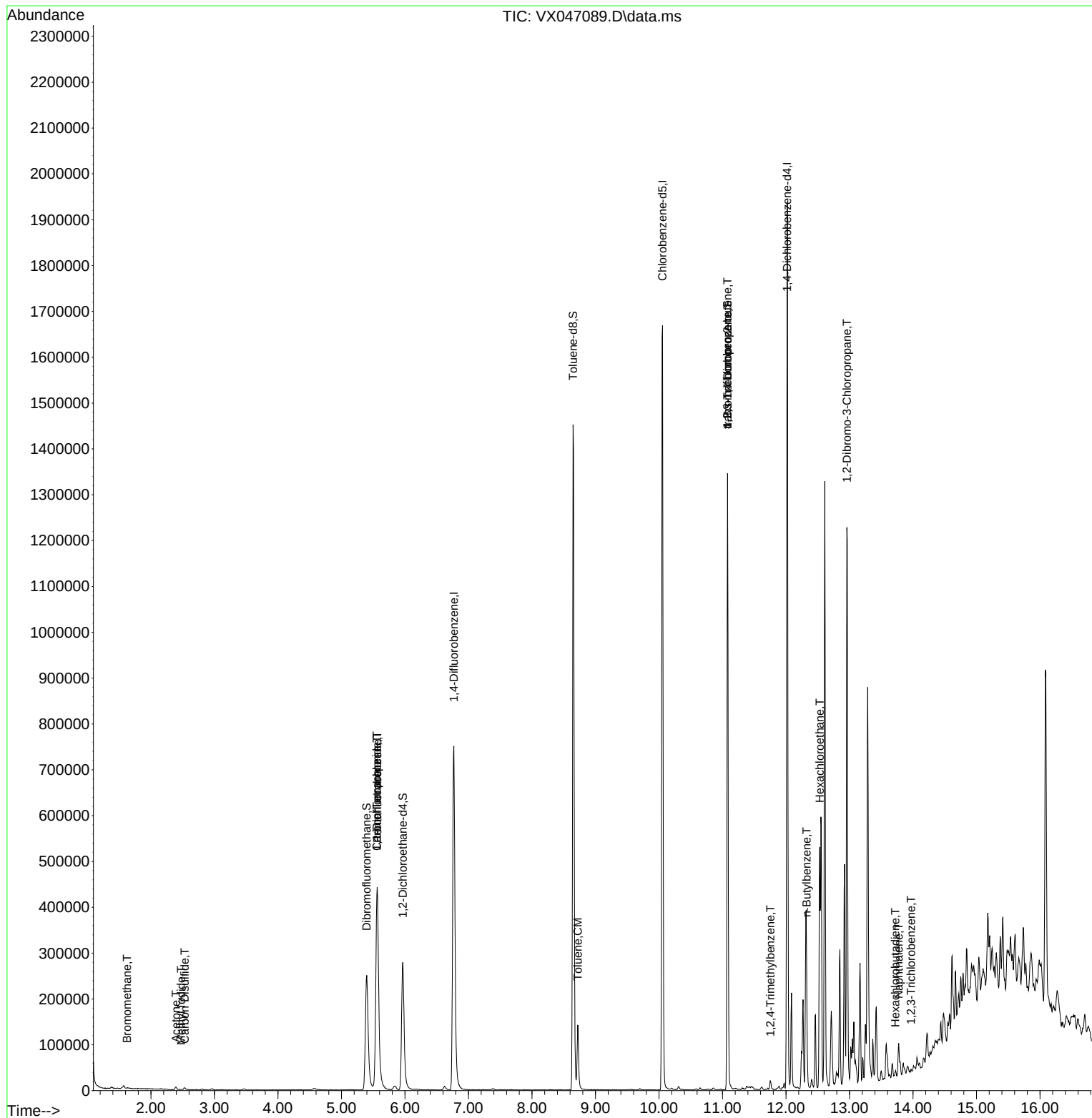
Target Compounds			Qvalue			
5) Bromomethane	1.624	94	962	0.281	ug/l	99
10) Methyl Iodide	2.477	142	1324	0.229	ug/l #	96
11) Tert butyl alcohol	2.959	59	635	Below Cal	#	72
16) Acetone	2.392	43	8576	3.847	ug/l	91
17) Carbon Disulfide	2.532	76	5636	0.347	ug/l #	76
36) 1,1-Dichloropropene	5.556	75	37657	4.396	ug/l #	46
38) Carbon Tetrachloride	5.556	117	48339	5.287	ug/l #	15
52) Toluene	8.720	92	55467	3.639	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	183560	26.747	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	183560	68.910	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	8876	0.368	ug/l	100
89) n-Butylbenzene	12.323	91	58466	2.481	ug/l #	29
90) Hexachloroethane	12.530	117	24097	5.359	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.957	75	4360	2.718	ug/l #	2
94) Hexachlorobutadiene	13.719	225	1990	0.695	ug/l	98
95) Naphthalene	13.774	128	48551	1.967	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	2087	0.257	ug/l	72

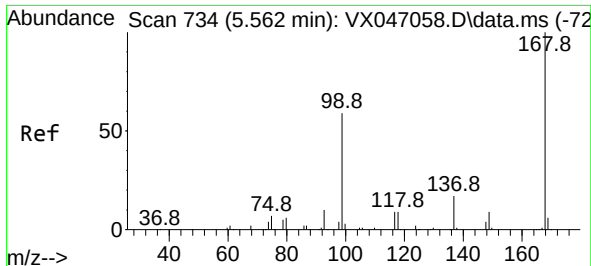
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 24 05:51:15 2025
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

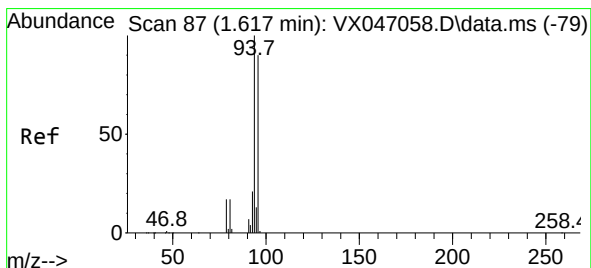
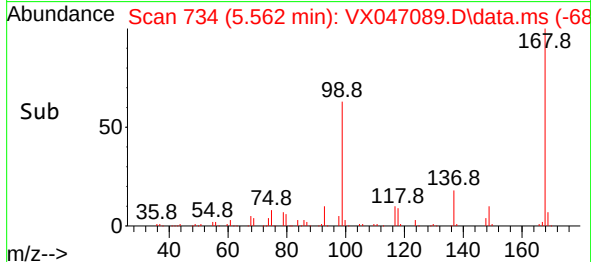
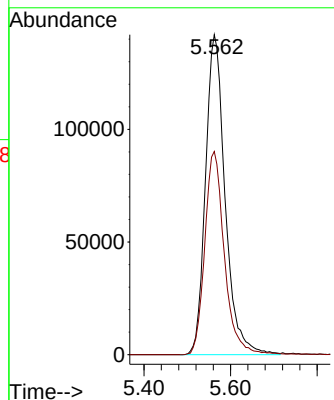
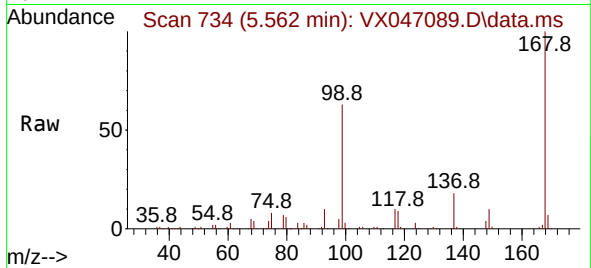




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

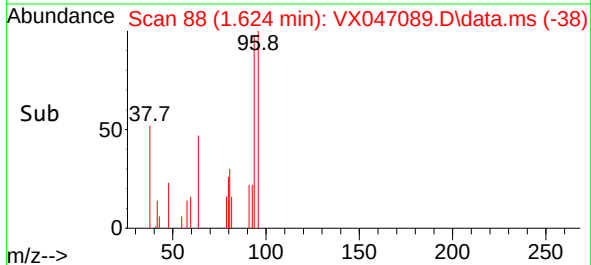
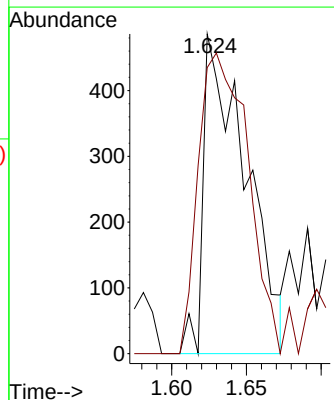
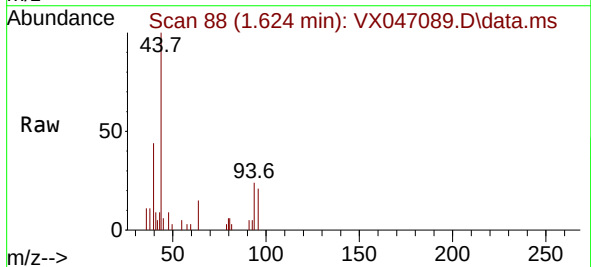
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0218

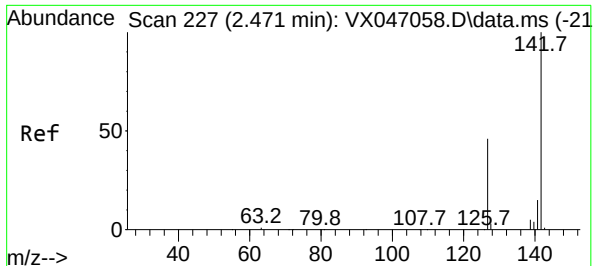
Tgt Ion:168 Resp: 446684
Ion Ratio Lower Upper
168 100
99 63.5 48.0 72.0



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.007 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 94 Resp: 962
Ion Ratio Lower Upper
94 100
96 89.5 72.3 108.5

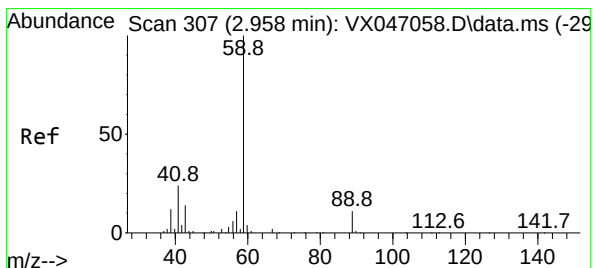
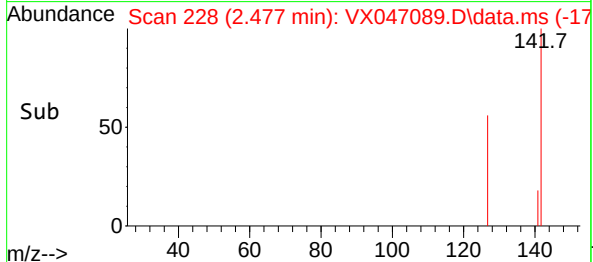
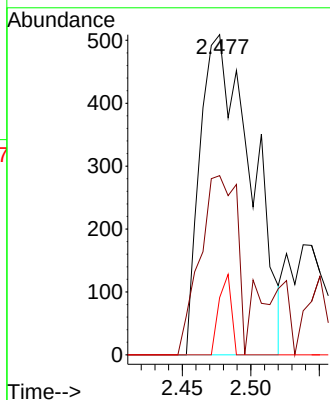
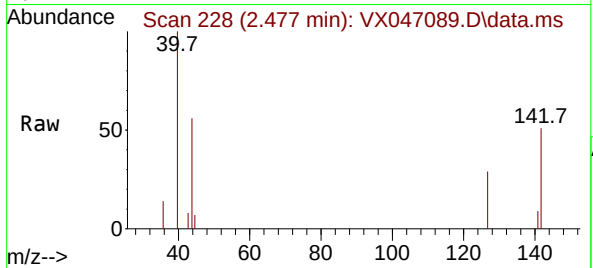




#10
Methyl Iodide
Concen: 0.229 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

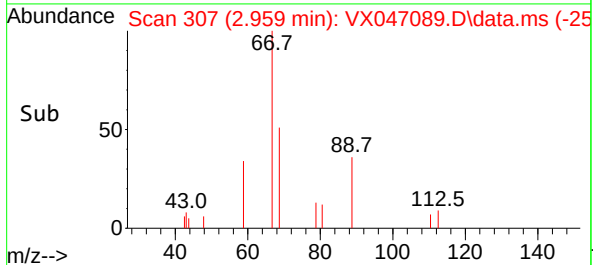
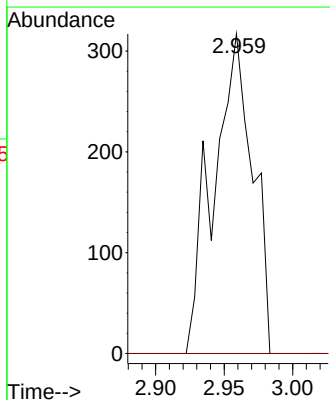
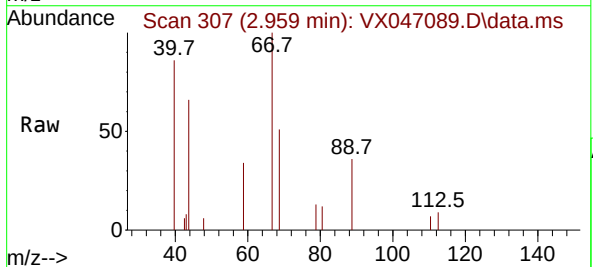
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0218

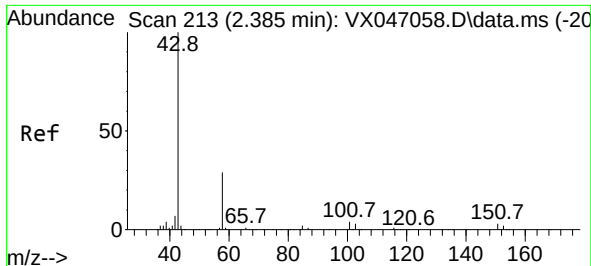
Tgt Ion:142 Resp: 1324
Ion Ratio Lower Upper
142 100
127 45.5 36.6 54.8
141 6.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

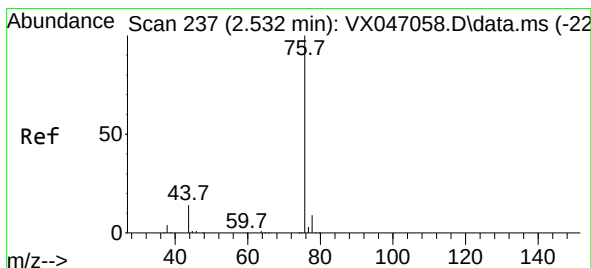
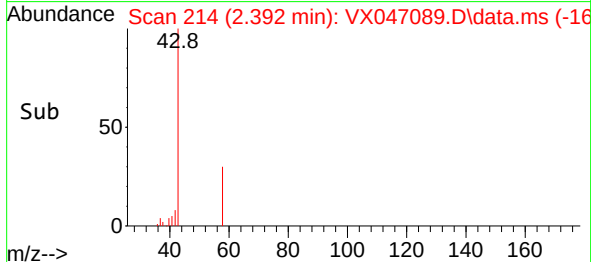
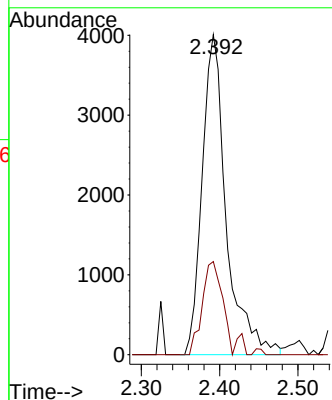
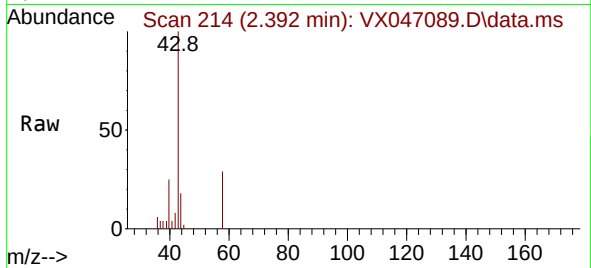




#16
Acetone
Concen: 3.847 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

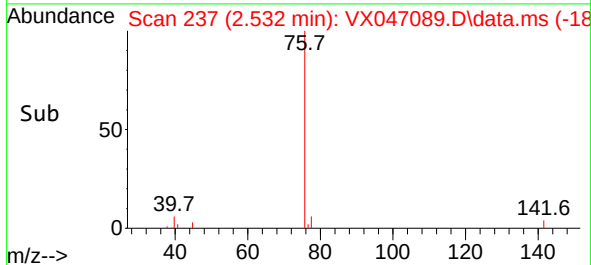
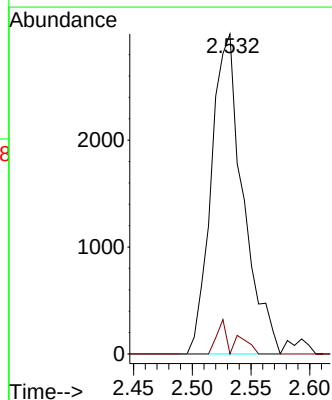
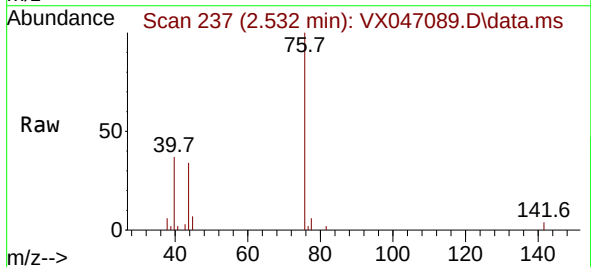
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0218

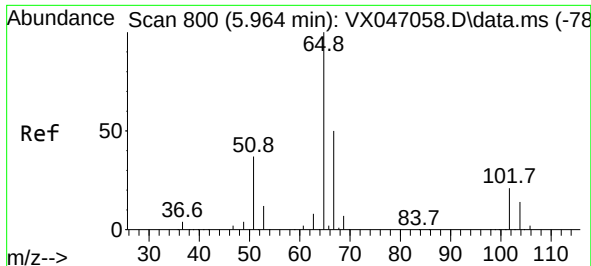
Tgt Ion: 43 Resp: 8576
Ion Ratio Lower Upper
43 100
58 25.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.347 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 76 Resp: 5636
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

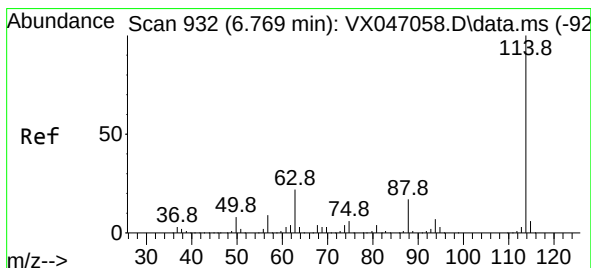
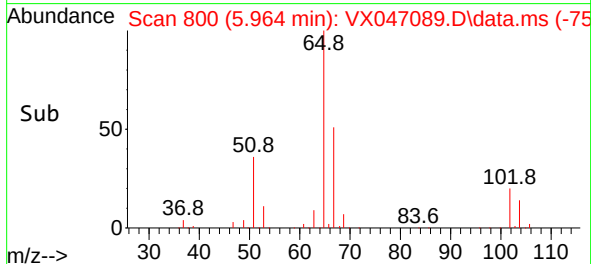
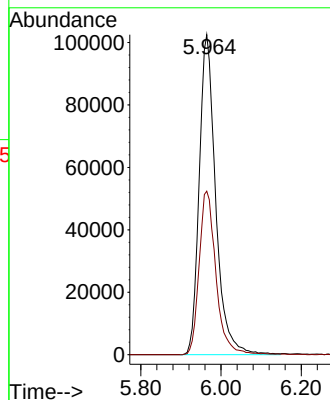
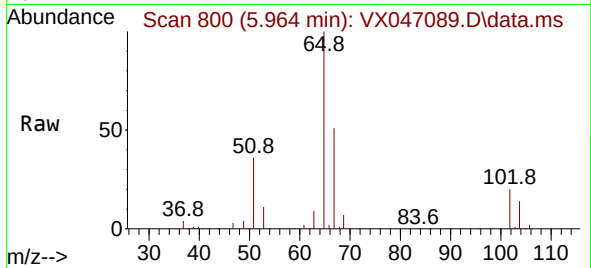




#33
 1,2-Dichloroethane-d4
 Concen: 52.576 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047089.D
 Acq: 23 Jul 2025 14:28

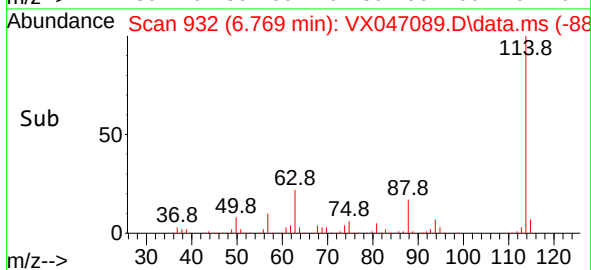
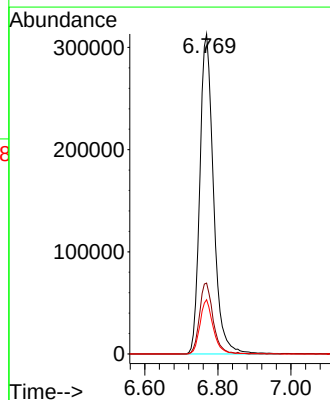
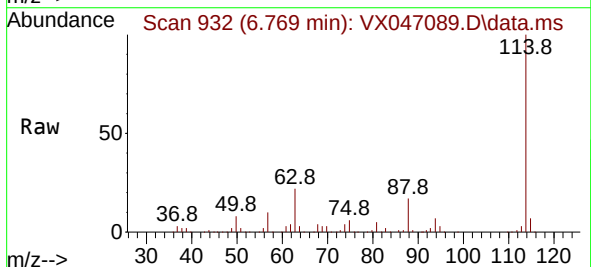
Instrument :
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 ClientSampleId :
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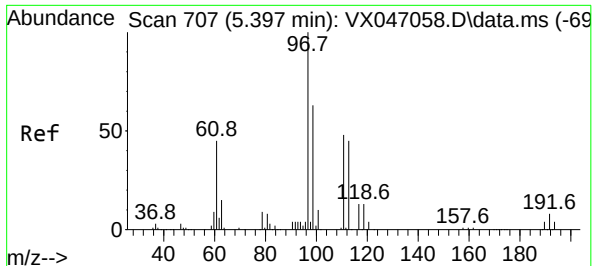
Tgt Ion: 65 Resp: 292547
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047089.D
 Acq: 23 Jul 2025 14:28

Tgt Ion: 114 Resp: 813909
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 17.0 0.0 33.8

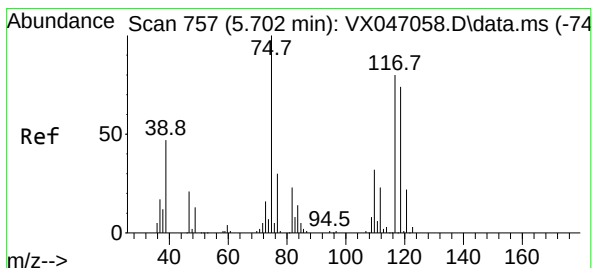
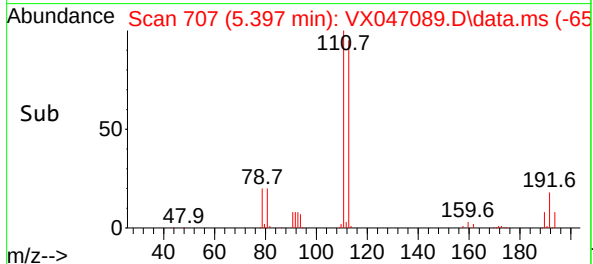
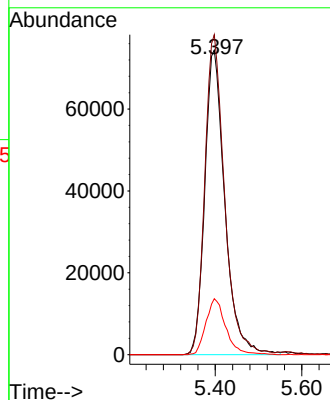
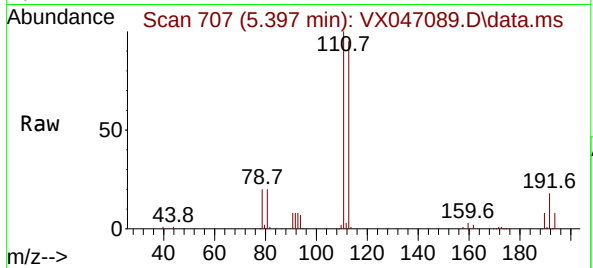




#35
Dibromofluoromethane
Concen: 47.667 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

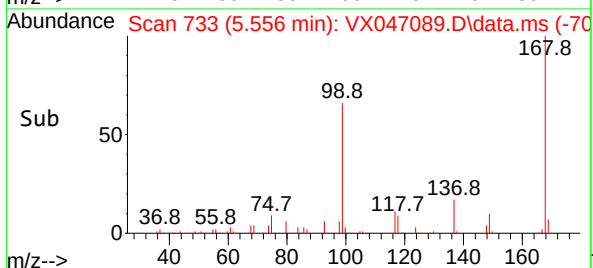
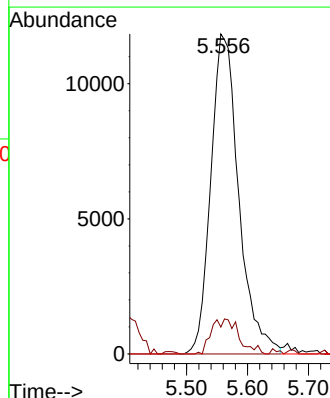
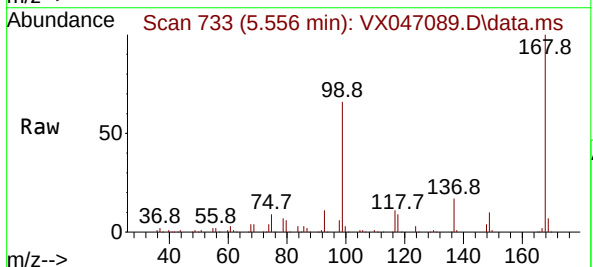
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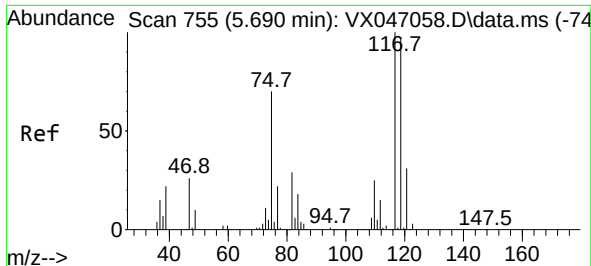
Tgt Ion:113 Resp: 239541
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 18.3 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.396 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 75 Resp: 37657
Ion Ratio Lower Upper
75 100
110 4.4 17.2 51.5#
77 0.0 25.1 37.7#

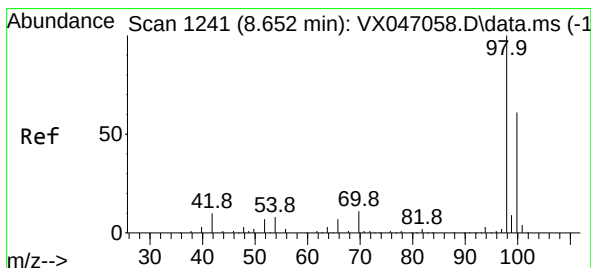
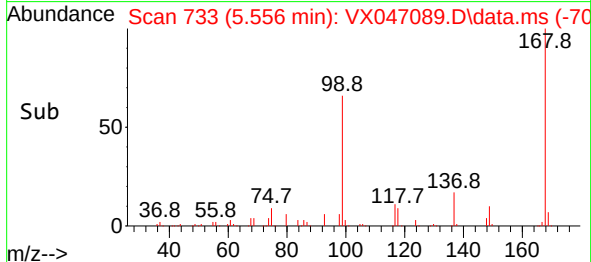
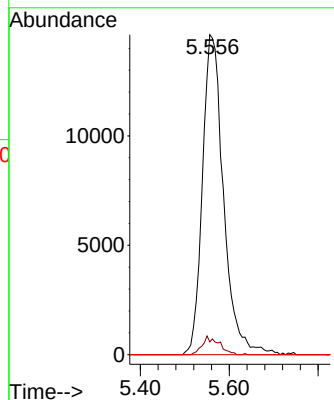
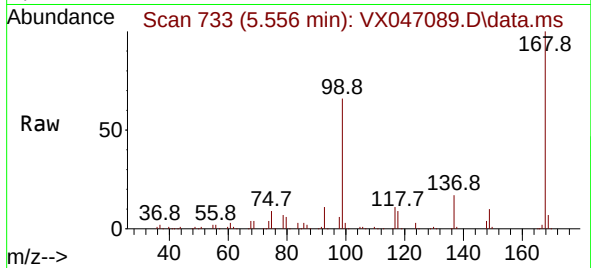




#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

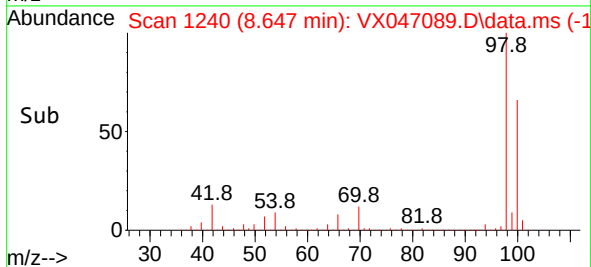
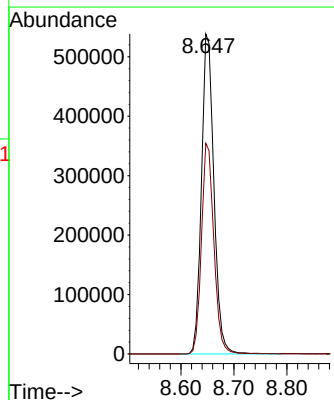
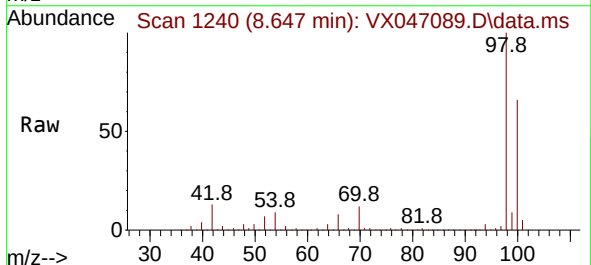
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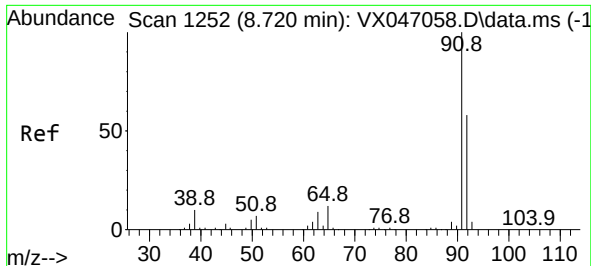
Tgt Ion:117 Resp: 48339
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 53.931 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 98 Resp: 877691
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

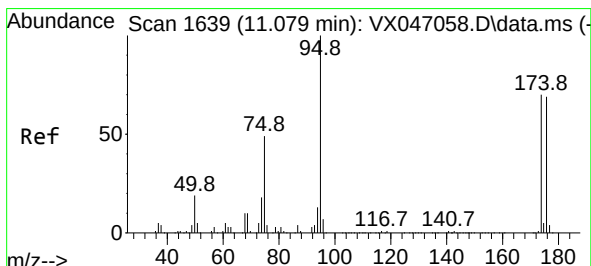
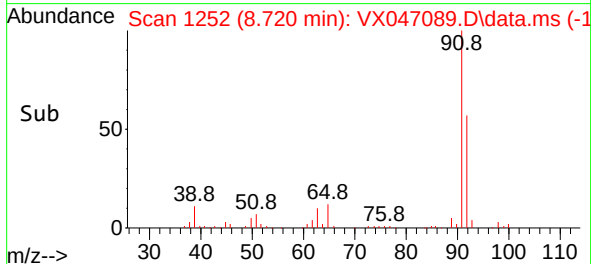
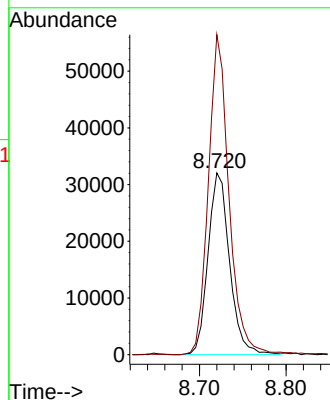
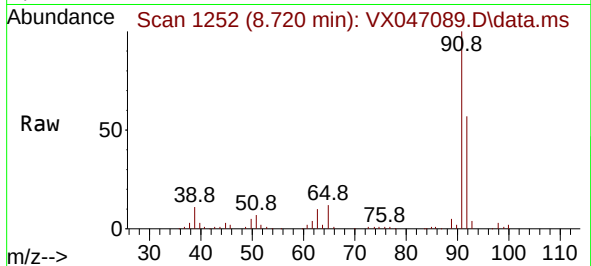




#52
Toluene
Concen: 3.639 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

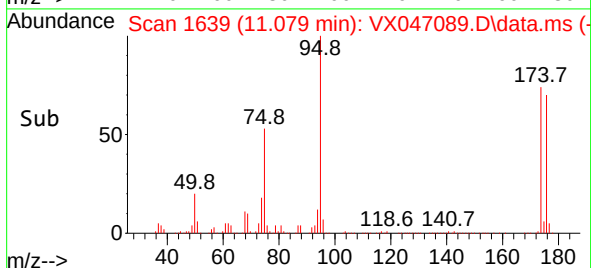
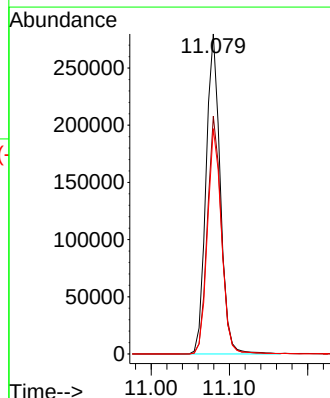
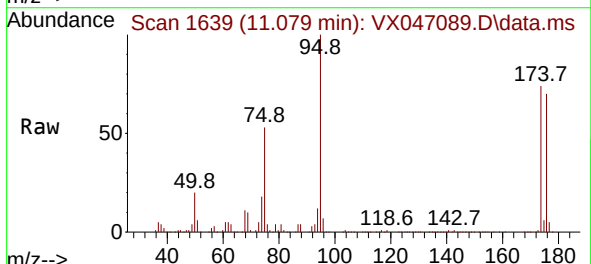
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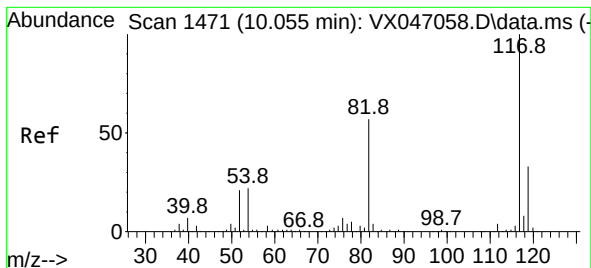
Tgt Ion: 92 Resp: 55467
Ion Ratio Lower Upper
92 100
91 169.0 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 95 Resp: 351355
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 69.5 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: VX047089.D

Acq: 23 Jul 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

MOO-25-0218

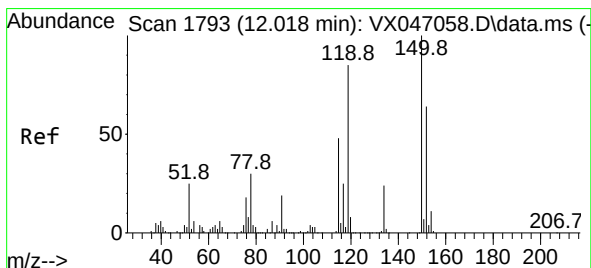
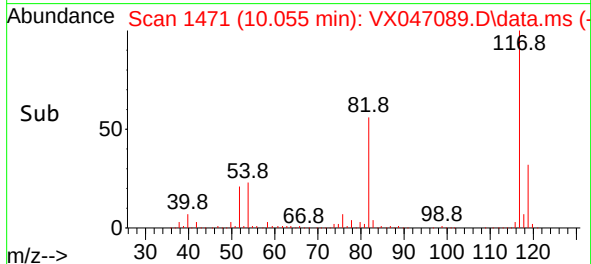
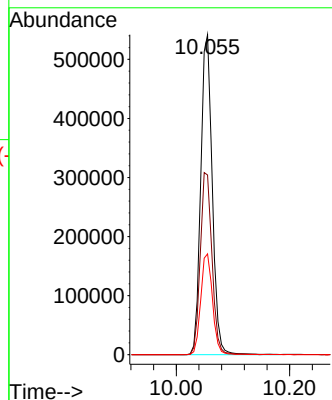
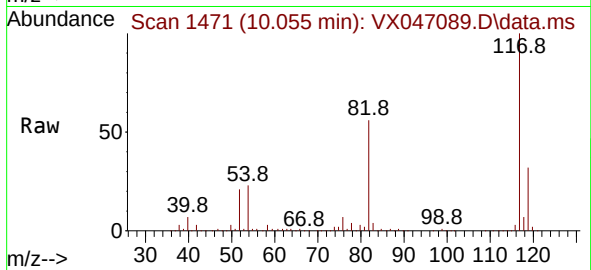
Tgt Ion:117 Resp: 762075

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.2

119 31.5 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047089.D

Acq: 23 Jul 2025 14:28

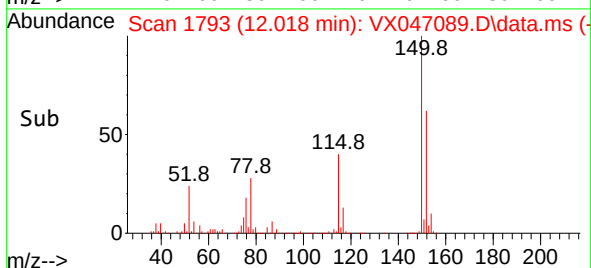
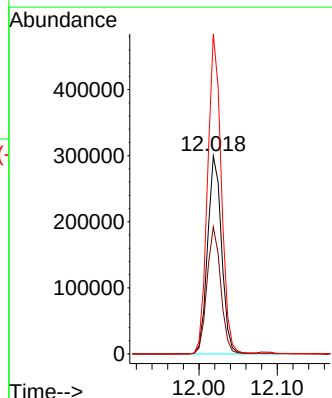
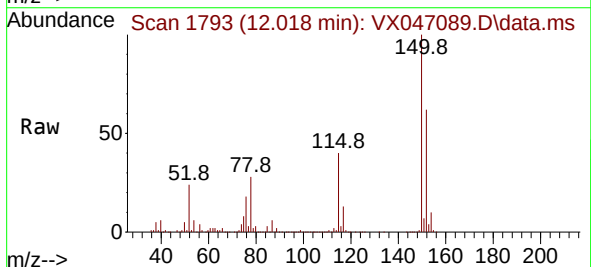
Tgt Ion:152 Resp: 370778

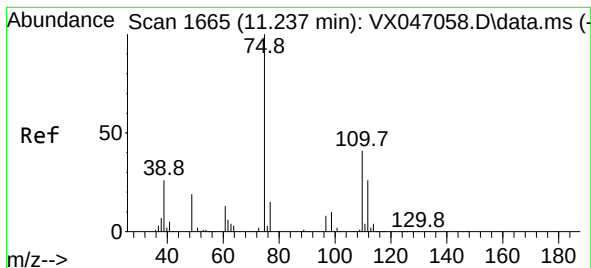
Ion Ratio Lower Upper

152 100

115 62.7 45.6 136.7

150 157.9 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 26.747 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX047089.D

Acq: 23 Jul 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

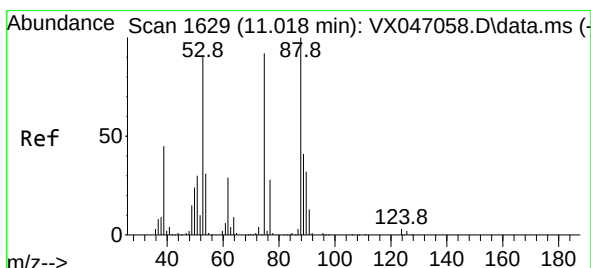
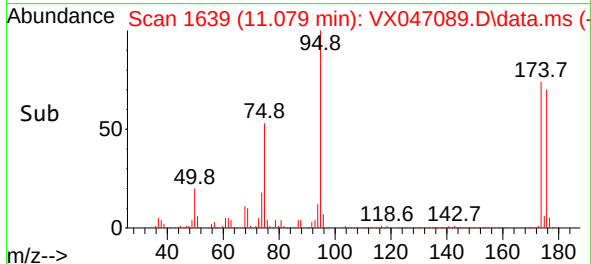
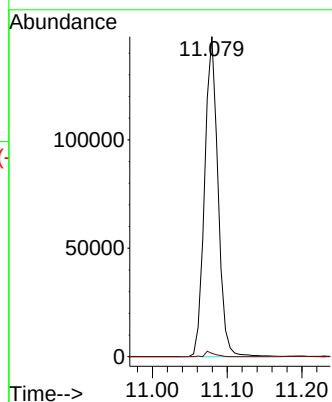
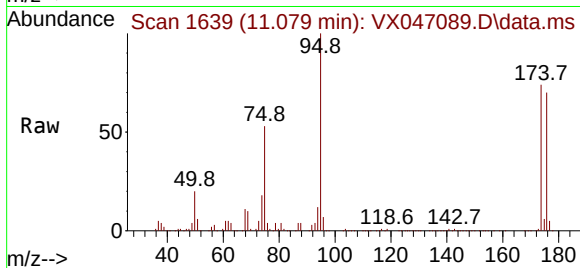
MOO-25-0218

Tgt Ion: 75 Resp: 183560

Ion Ratio Lower Upper

75 100

77 1.2 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.910 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047089.D

Acq: 23 Jul 2025 14:28

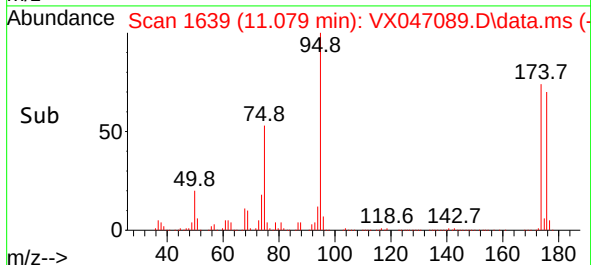
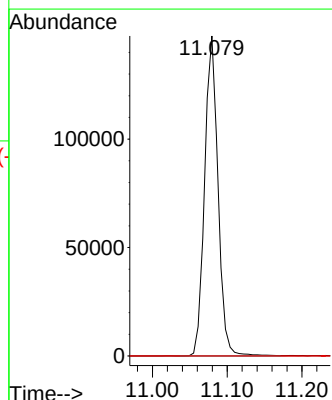
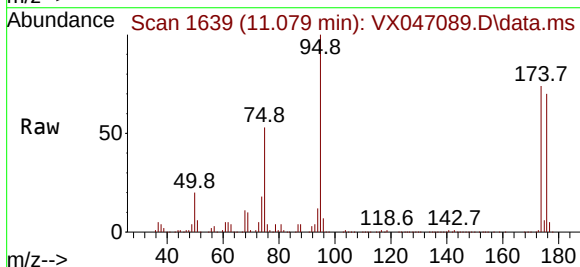
Tgt Ion: 75 Resp: 183560

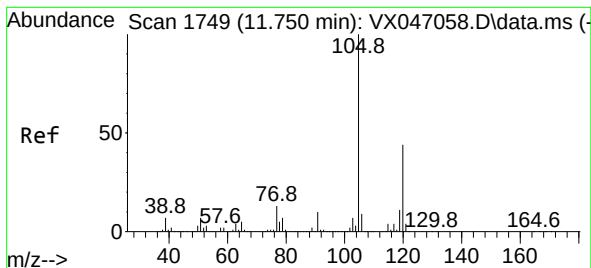
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.368 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX047089.D

Acq: 23 Jul 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

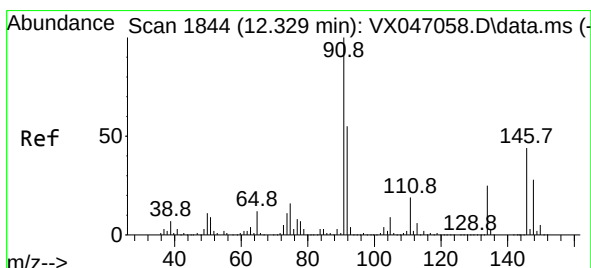
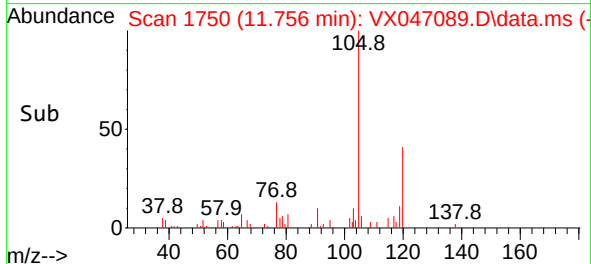
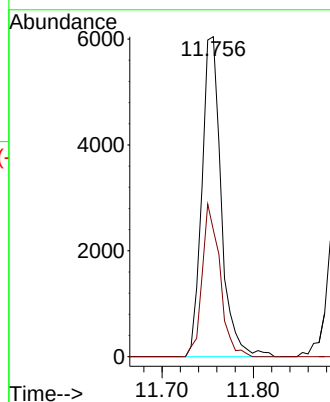
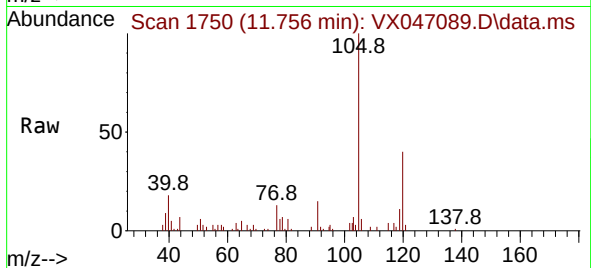
MOO-25-0218

Tgt Ion:105 Resp: 8876

Ion Ratio Lower Upper

105 100

120 43.8 22.0 66.0



#89

n-Butylbenzene

Concen: 2.481 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.006 min

Lab File: VX047089.D

Acq: 23 Jul 2025 14:28

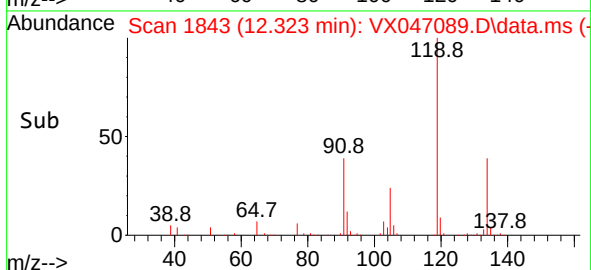
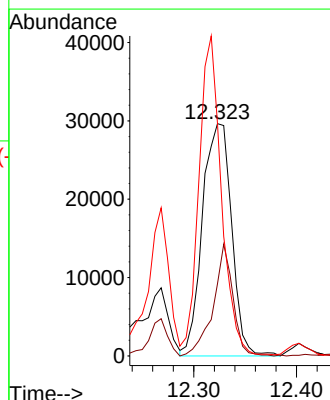
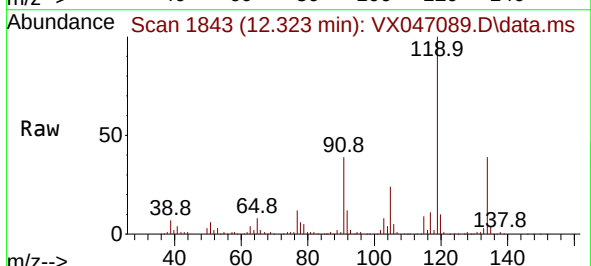
Tgt Ion: 91 Resp: 58466

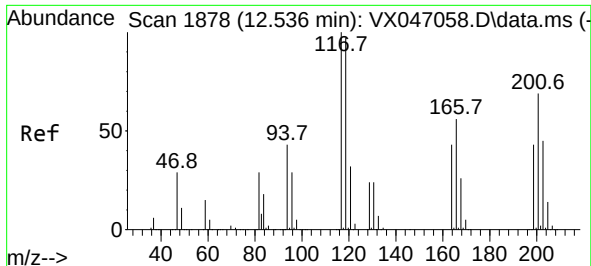
Ion Ratio Lower Upper

91 100

92 32.4 27.5 82.5

134 105.3 12.8 38.3#

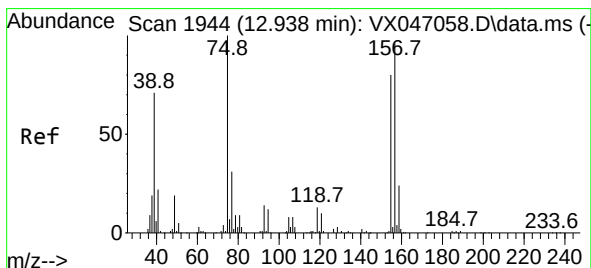
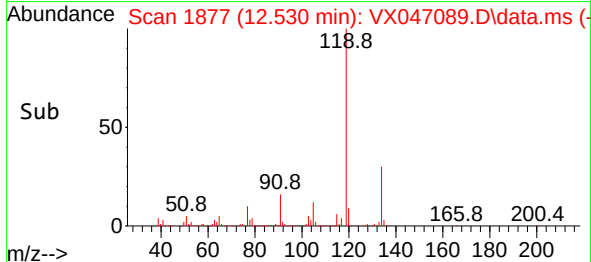
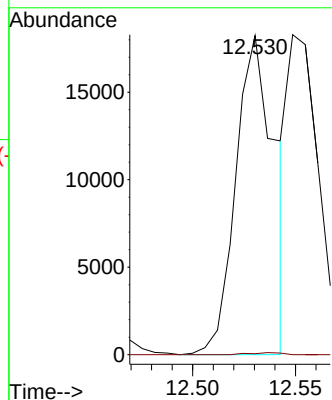
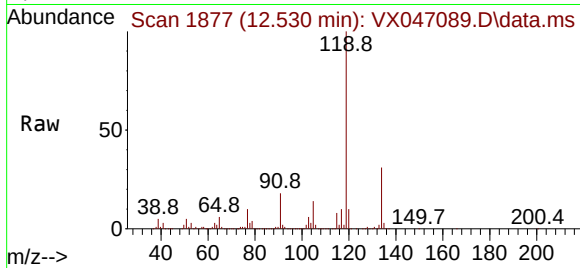




#90
Hexachloroethane
Concen: 5.359 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

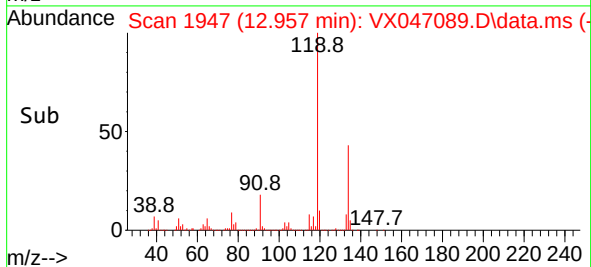
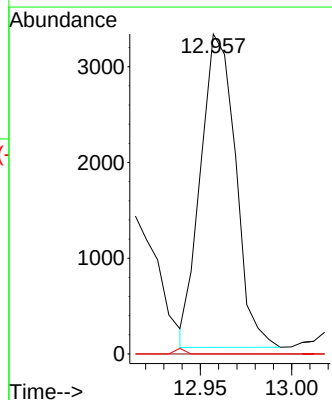
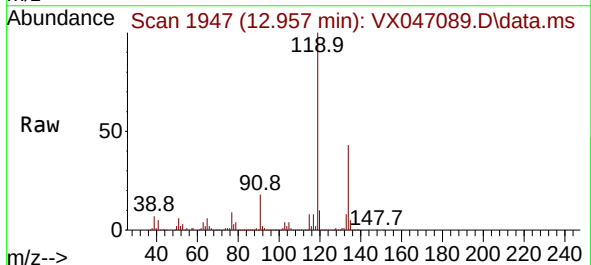
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0218

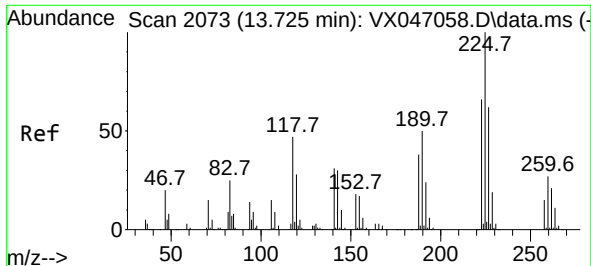
Tgt Ion:117 Resp: 24097
Ion Ratio Lower Upper
117 100
201 0.5 34.8 104.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.718 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.019 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion: 75 Resp: 4360
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.5 52.8 158.3#

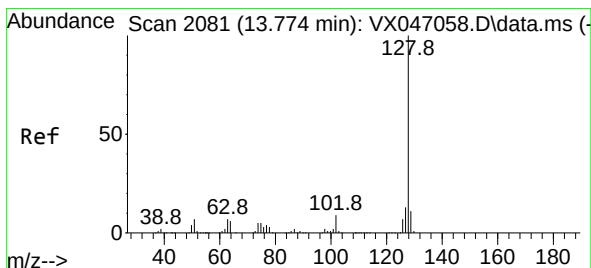
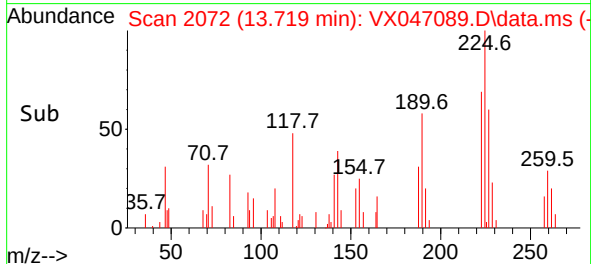
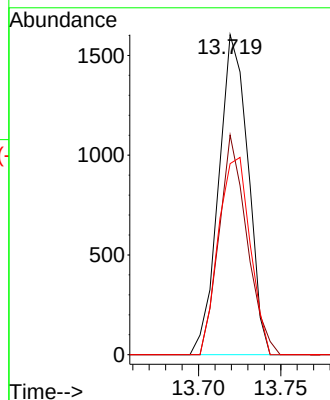
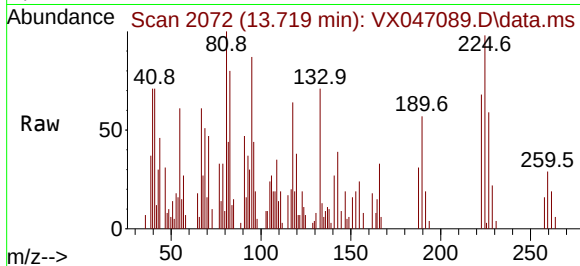




#94
Hexachlorobutadiene
Concen: 0.695 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

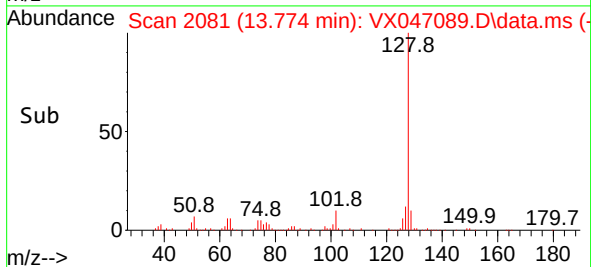
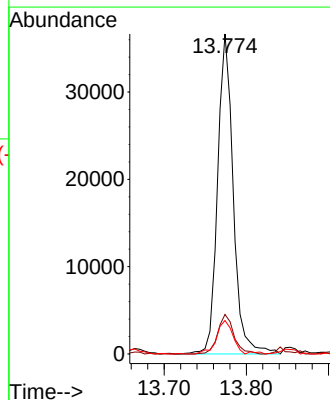
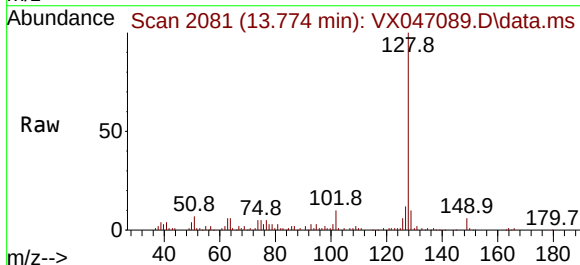
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0218

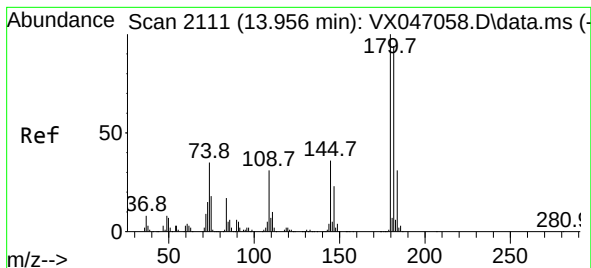
Tgt Ion:225 Resp: 1990
Ion Ratio Lower Upper
225 100
223 65.4 31.6 95.0
227 66.7 32.9 98.6



#95
Naphthalene
Concen: 1.967 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047089.D
Acq: 23 Jul 2025 14:28

Tgt Ion:128 Resp: 48551
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.1 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.257 ug/l

RT: 13.969 min Scan# 2111

Delta R.T. 0.013 min

Lab File: VX047089.D

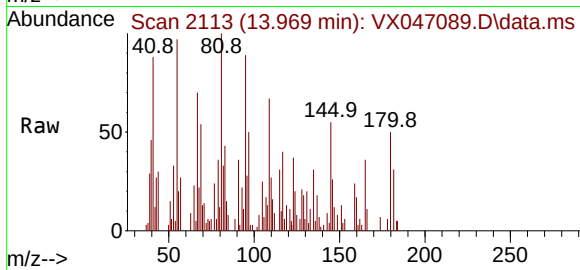
Acq: 23 Jul 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

MOO-25-0218



Tgt Ion:180 Resp: 2087

Ion Ratio Lower Upper

180 100

182 66.9 46.9 140.6

145 50.4 17.3 52.0

