

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080425\
 Data File : VX047217.D
 Acq On : 04 Aug 2025 10:11
 Operator : JC/MD
 Sample : VX0804MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0804MBL01

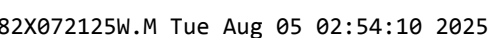
Quant Time: Aug 05 02:53:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

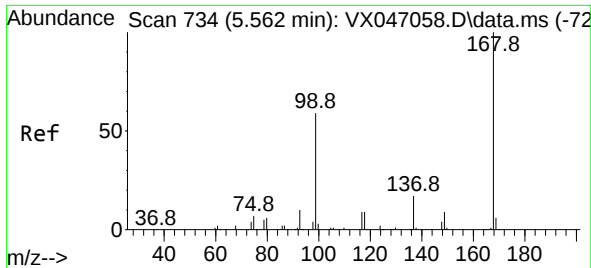
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	246208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	439424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156565	51.049	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.100%			
35) Dibromofluoromethane	5.391	113	131220	46.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.820%			
50) Toluene-d8	8.647	98	470108	51.895	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.800%			
62) 4-Bromofluorobenzene	11.079	95	199023	50.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.960%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	1099	0.582	ug/l	83
10) Methyl Iodide	2.483	142	5007	1.573	ug/l #	77
11) Tert butyl alcohol	2.940	59	109	Below Cal	#	72
13) Acrolein	2.245	56	542	0.821	ug/l	90
14) Allyl chloride	2.672	41	1220	0.218	ug/l #	55
15) Acrylonitrile	3.093	53	525	0.359	ug/l #	59
16) Acetone	2.380	43	4495	3.659	ug/l #	71
17) Carbon Disulfide	2.532	76	4022	0.449	ug/l	99
36) 1,1-Dichloropropene	5.550	75	21183	4.443	ug/l #	50
38) Carbon Tetrachloride	5.550	117	26133	5.135	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	102792	24.723	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	102792	63.696	ug/l #	8
89) n-Butylbenzene	12.335	91	3542	0.248	ug/l	88
93) 1,2,4-Trichlorobenzene	13.597	180	1912	0.375	ug/l	95
94) Hexachlorobutadiene	13.725	225	4682	2.699	ug/l	99
95) Naphthalene	13.780	128	4424	0.296	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	2145	0.437	ug/l	95

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

Quant Time: Aug 05 02:53:58 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

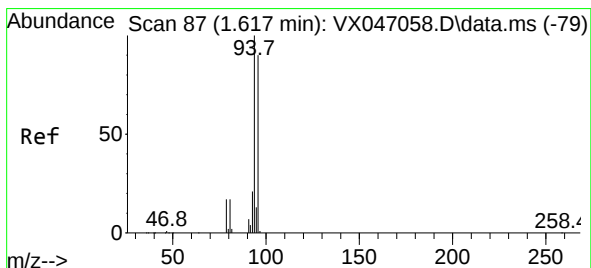
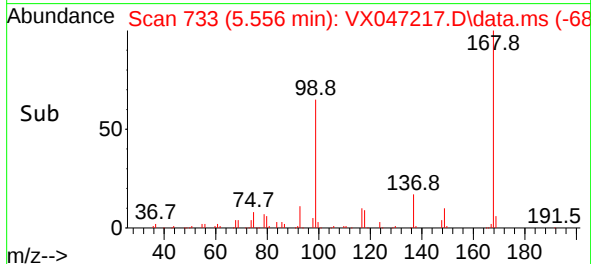
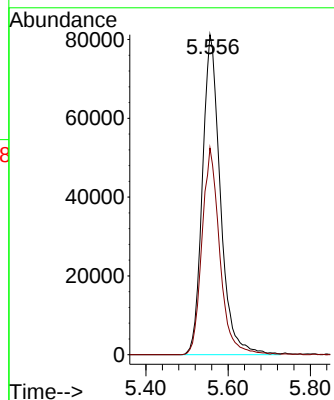
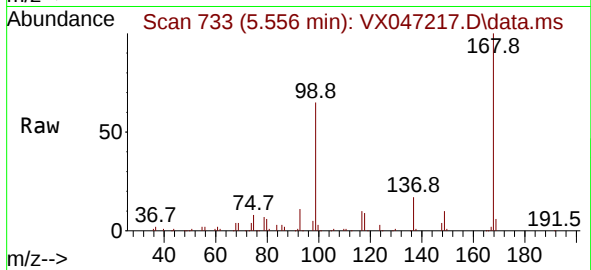




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

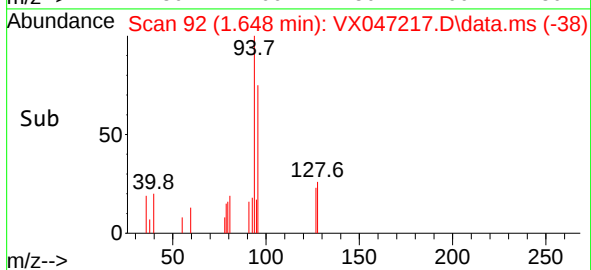
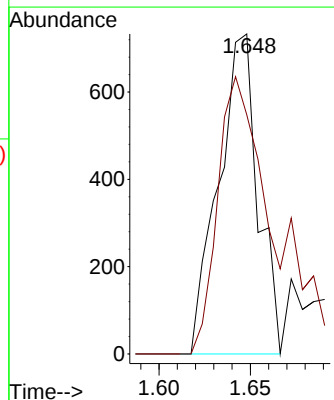
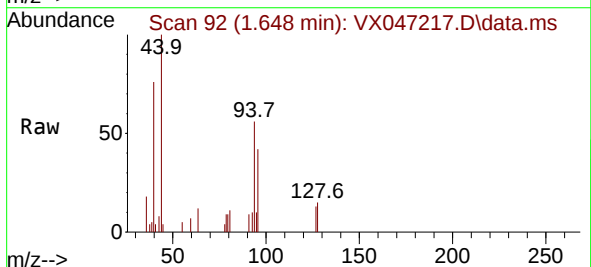
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

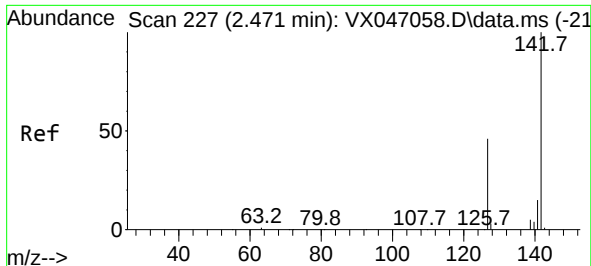
Tgt Ion:168 Resp: 246208
Ion Ratio Lower Upper
168 100
99 64.6 48.0 72.0



#5
Bromomethane
Concen: 0.582 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.031 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

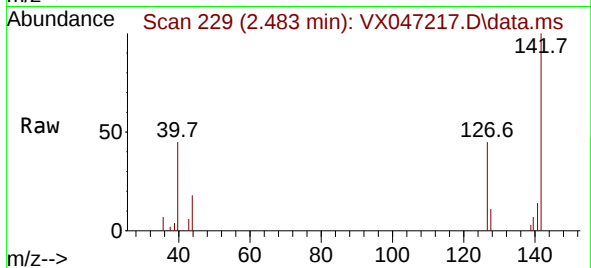
Tgt Ion: 94 Resp: 1099
Ion Ratio Lower Upper
94 100
96 74.8 72.3 108.5



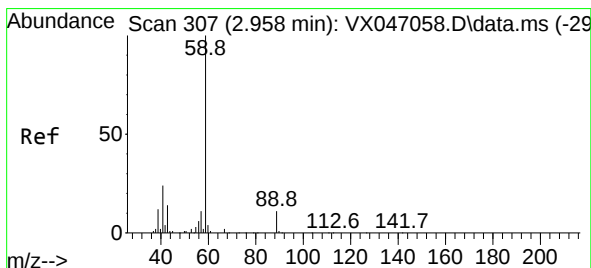
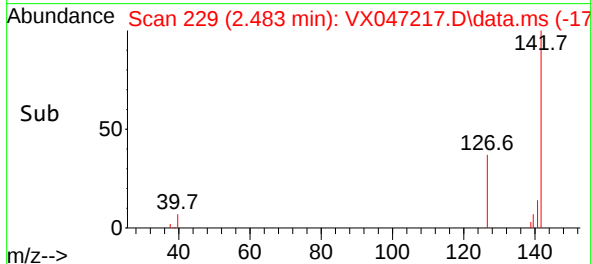
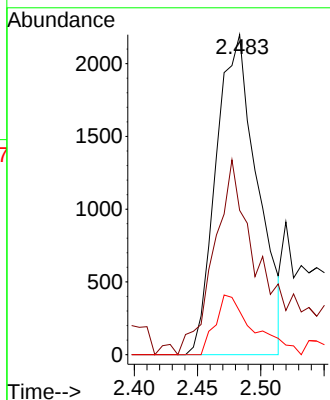


#10
Methyl Iodide
Concen: 1.573 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

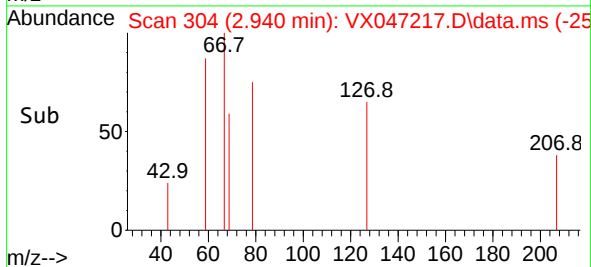
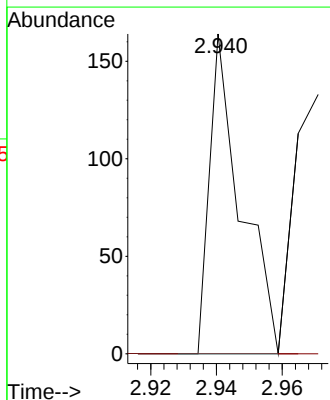
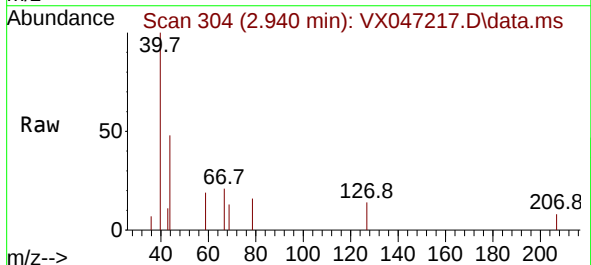


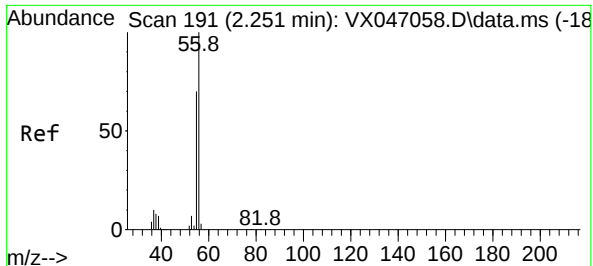
Tgt Ion:142 Resp: 5007
Ion Ratio Lower Upper
142 100
127 63.3 36.6 54.8#
141 17.2 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

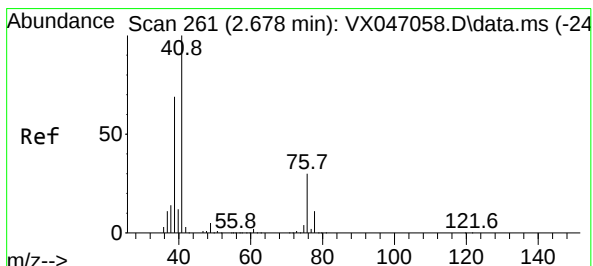
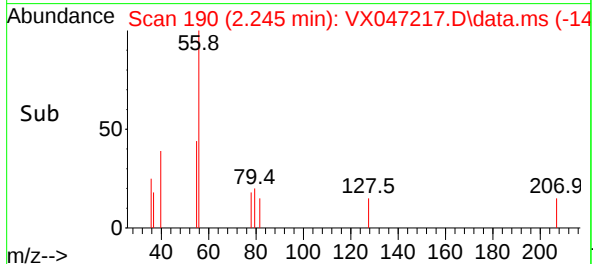
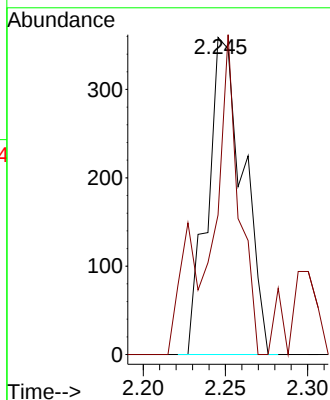
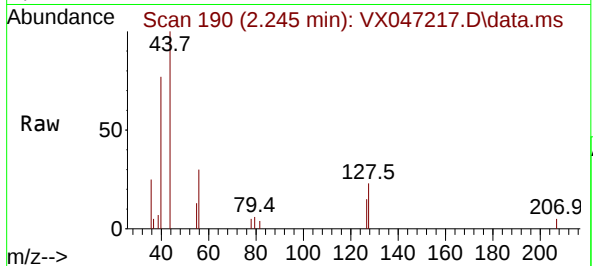




#13
Acrolein
Concen: 0.821 ug/l
RT: 2.245 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

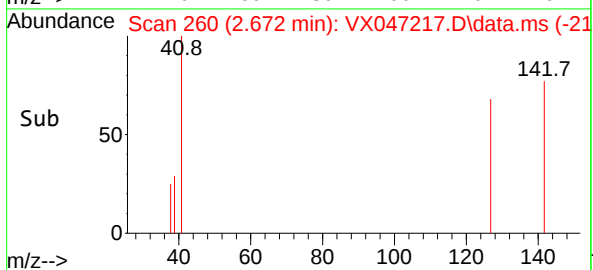
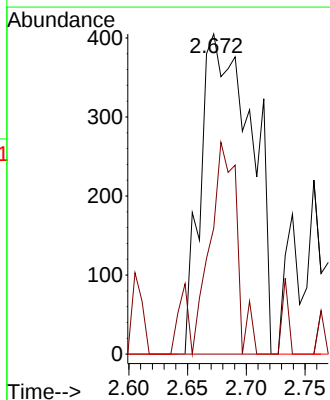
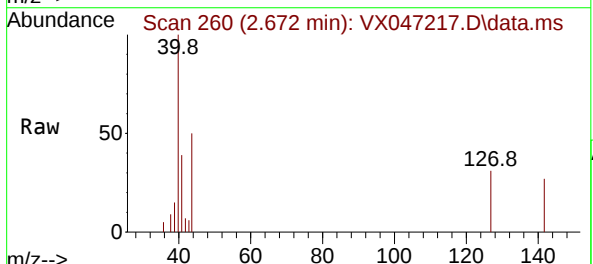
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

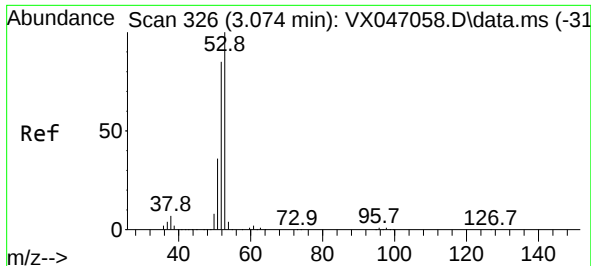
Tgt Ion: 56 Resp: 542
Ion Ratio Lower Upper
56 100
55 61.3 55.7 83.5



#14
Allyl chloride
Concen: 0.218 ug/l
RT: 2.672 min Scan# 260
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 41 Resp: 1220
Ion Ratio Lower Upper
41 100
39 34.6 52.6 78.8#
76 0.0 25.7 38.5#

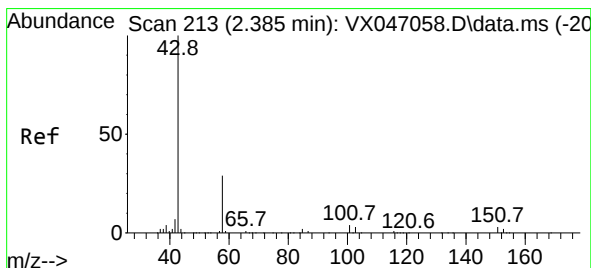
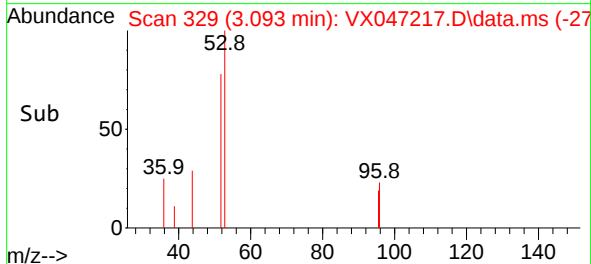
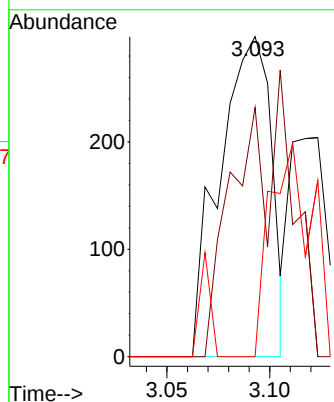
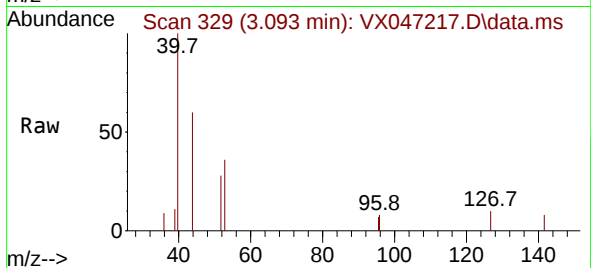




#15
Acrylonitrile
Concen: 0.359 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

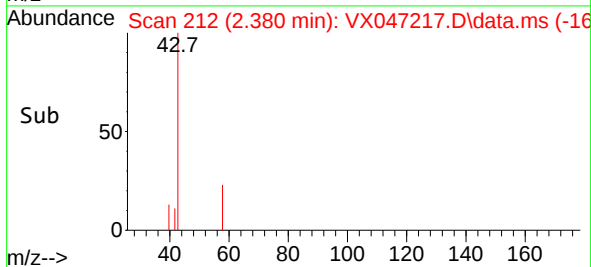
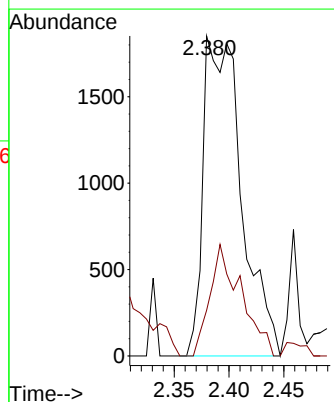
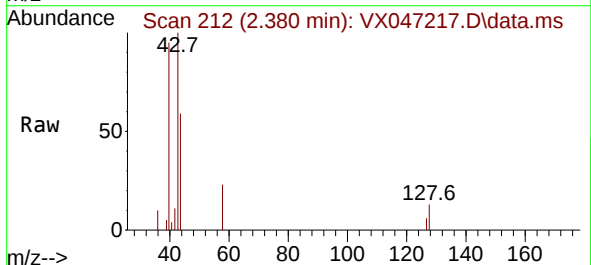
Instrument :
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ClientSampleId :
VX0804MBL01

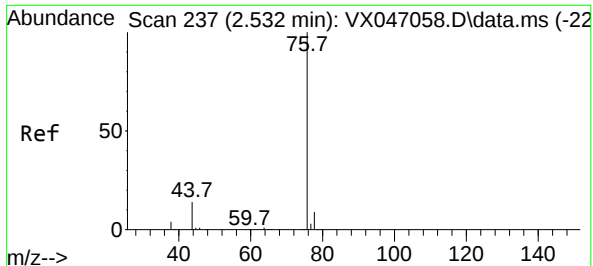
Tgt Ion: 53 Resp: 525
Ion Ratio Lower Upper
53 100
52 53.9 65.7 98.5#
51 0.0 28.8 43.2#



#16
Acetone
Concen: 3.659 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
58 14.3 24.0 36.0#

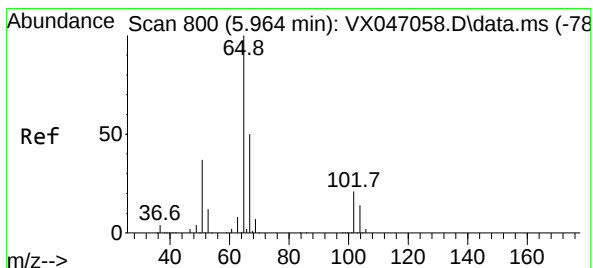
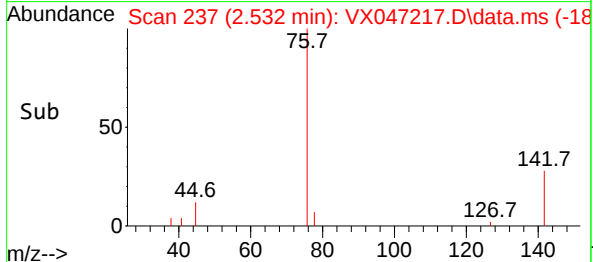
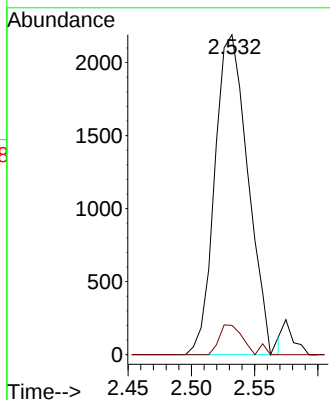
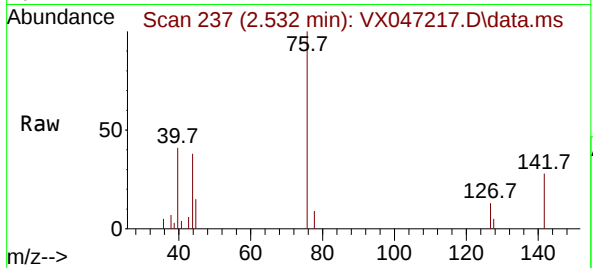




#17
Carbon Disulfide
Concen: 0.449 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

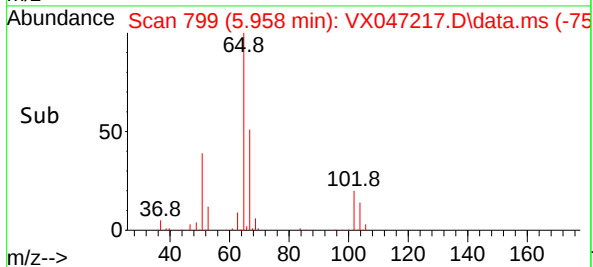
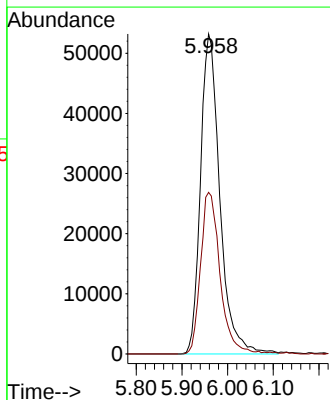
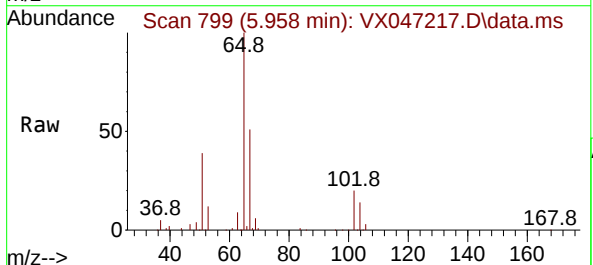
Instrument :
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ClientSampleId :
VX0804MBL01

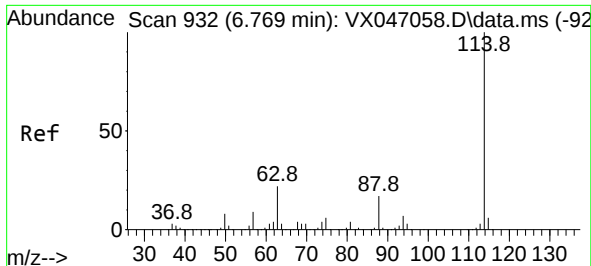
Tgt Ion: 76 Resp: 4022
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#33
1,2-Dichloroethane-d4
Concen: 51.049 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 65 Resp: 156565
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

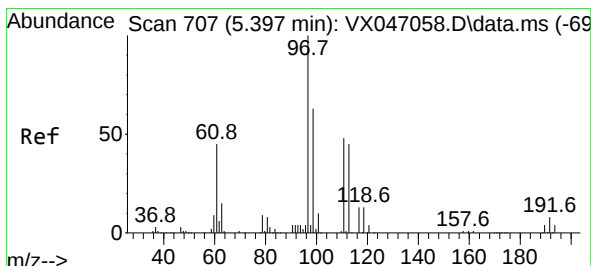
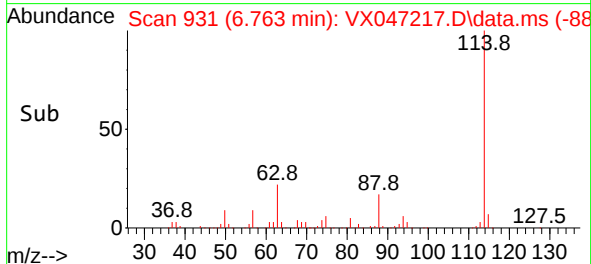
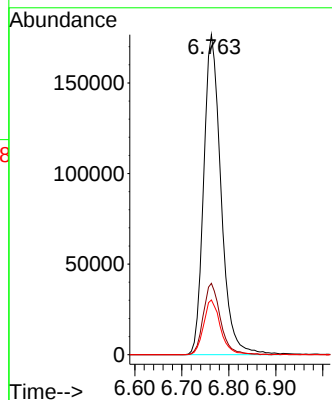
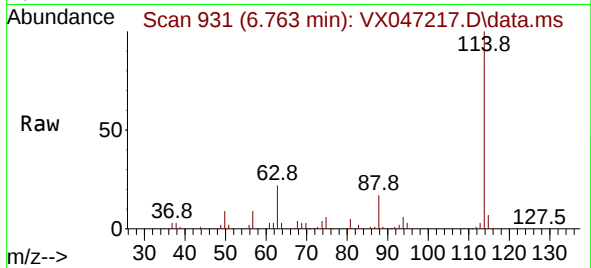




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

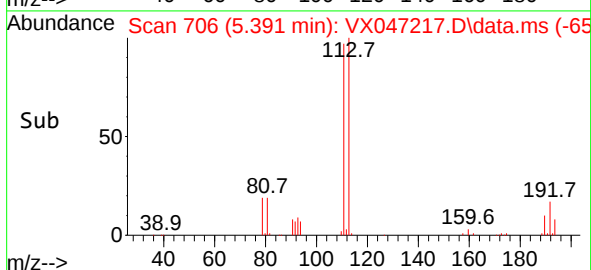
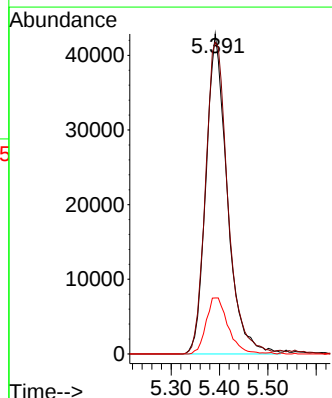
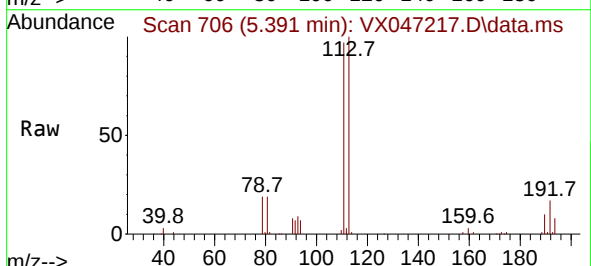
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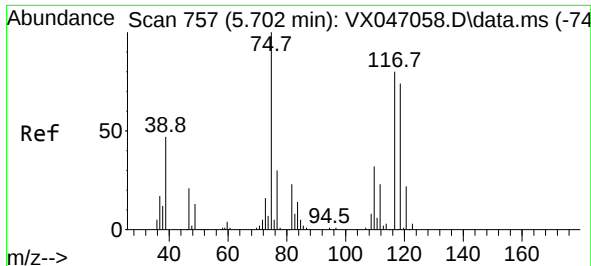
Tgt Ion:114 Resp: 453042
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.2
88 17.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 46.911 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion:113 Resp: 131220
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.1 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 5.550 min Scan# 712

Delta R.T. -0.152 min

Lab File: VX047217.D

Acq: 04 Aug 2025 10:11

Instrument :

MSVOA_X

ClientSampleId :

VX0804MBL01

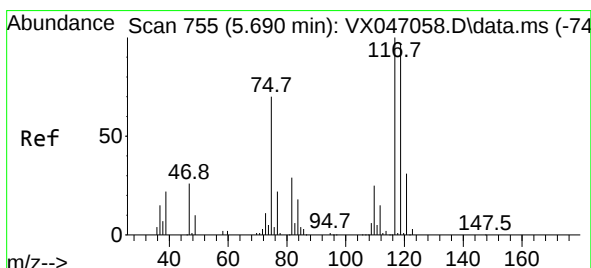
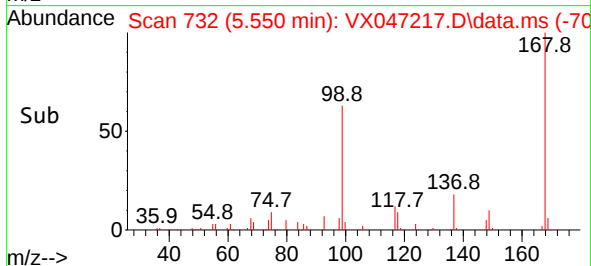
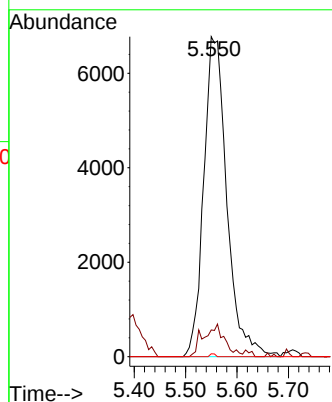
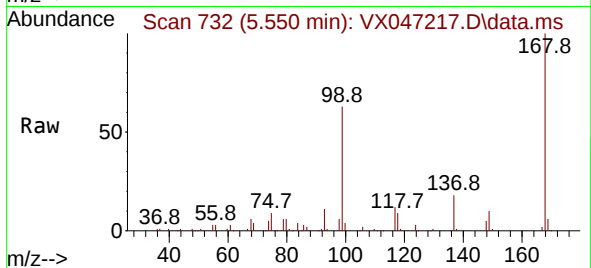
Tgt Ion: 75 Resp: 21183

Ion Ratio Lower Upper

75 100

110 9.4 17.2 51.5#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.135 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX047217.D

Acq: 04 Aug 2025 10:11

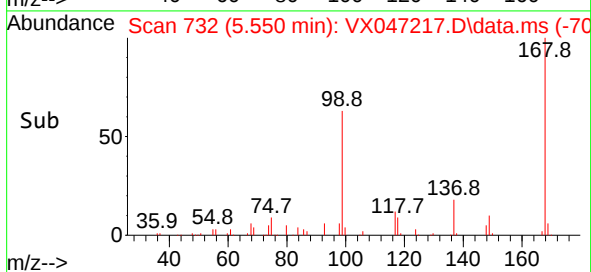
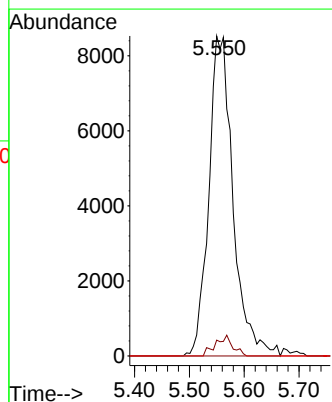
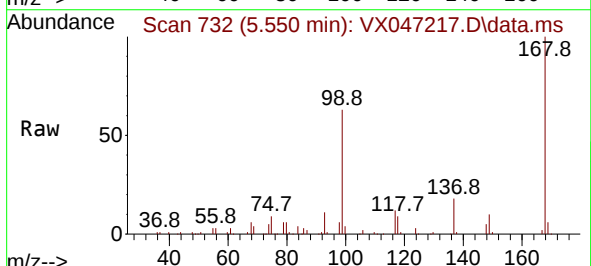
Tgt Ion: 117 Resp: 26133

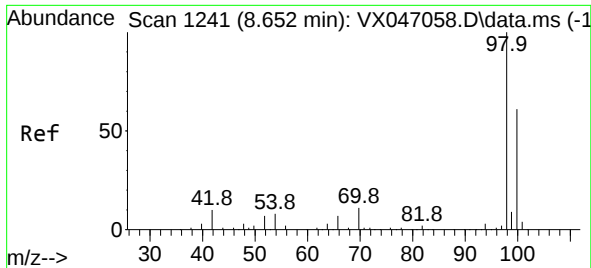
Ion Ratio Lower Upper

117 100

119 5.0 76.6 115.0#

121 0.0 24.4 36.6#

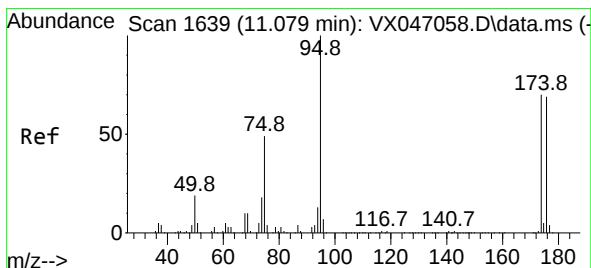
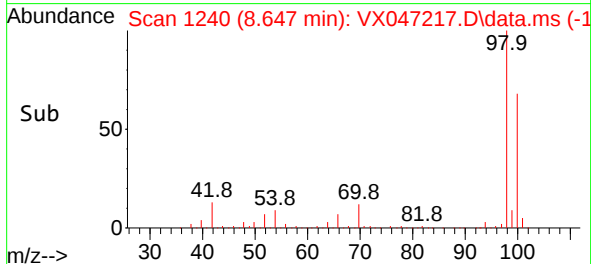
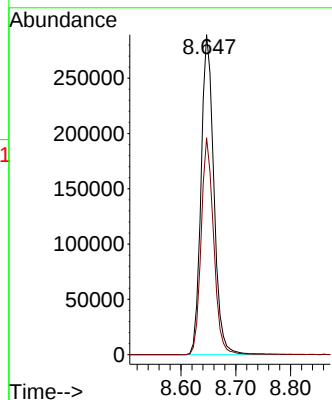
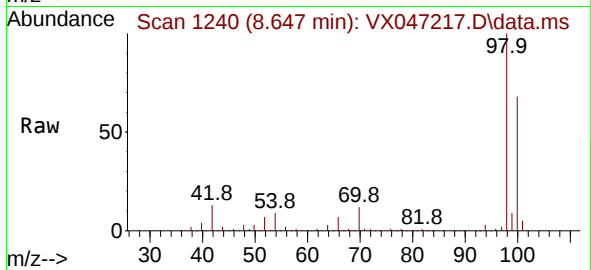




#50
Toluene-d8
Concen: 51.895 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

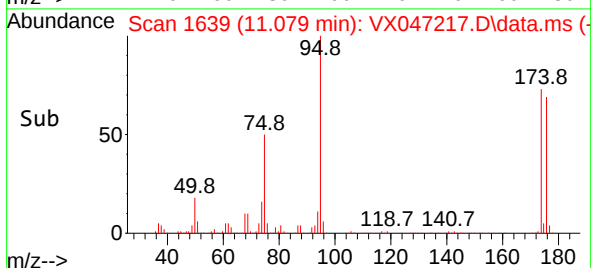
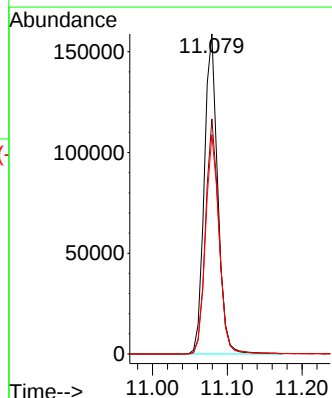
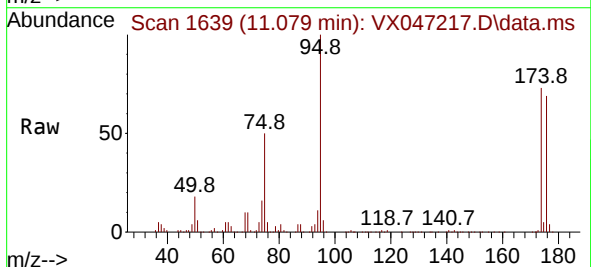
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

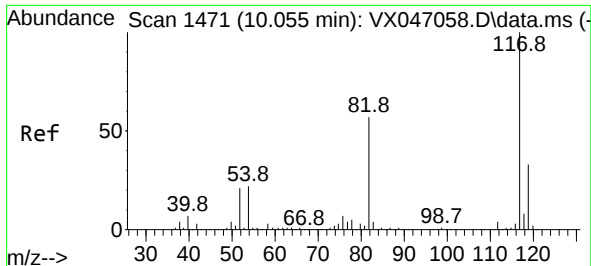
Tgt Ion: 98 Resp: 470108
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.982 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 95 Resp: 199023
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 69.6 0.0 139.6

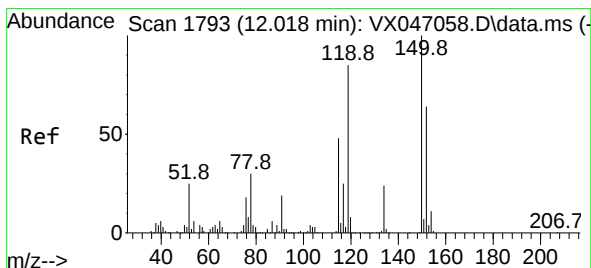
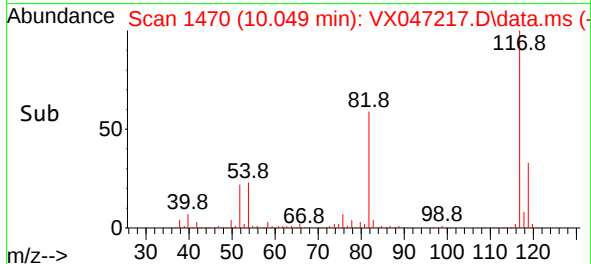
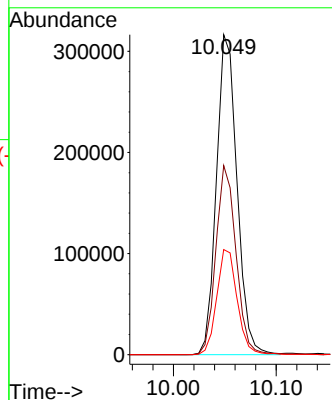
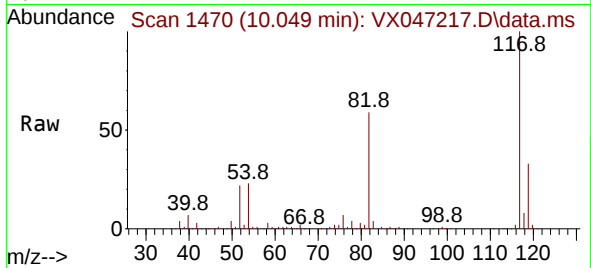




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

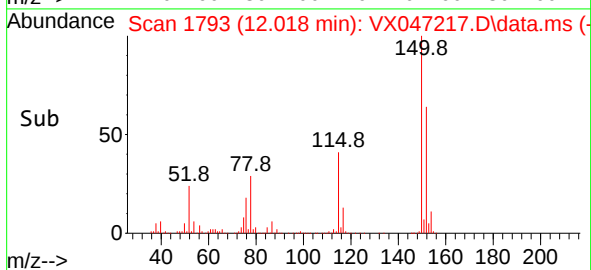
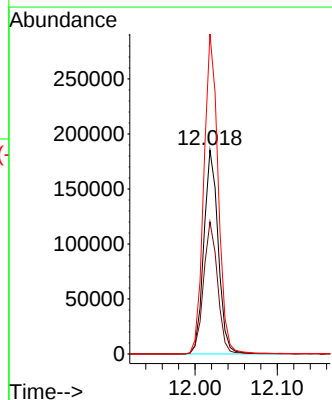
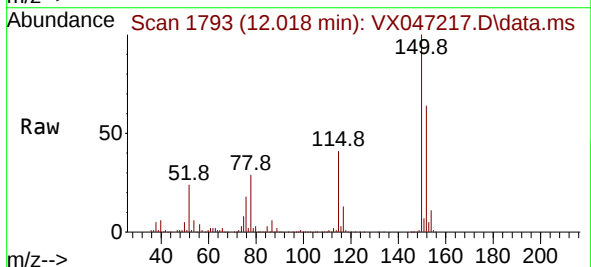
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

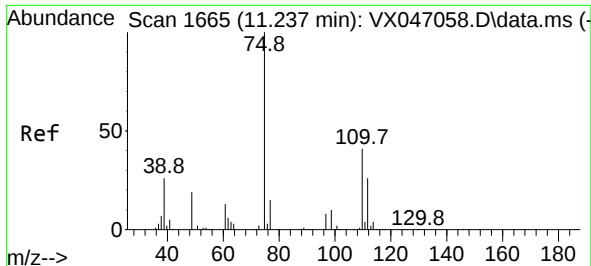
Tgt Ion:117 Resp: 439424
Ion Ratio Lower Upper
117 100
82 59.1 45.4 68.2
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion:152 Resp: 224628
Ion Ratio Lower Upper
152 100
115 63.9 45.6 136.7
150 157.1 0.0 354.6

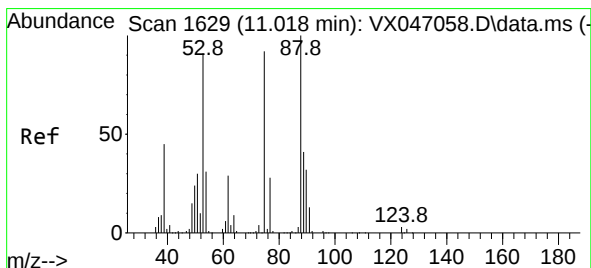
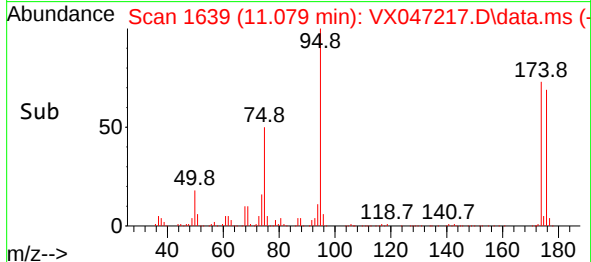
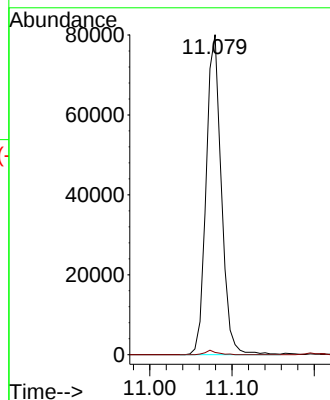
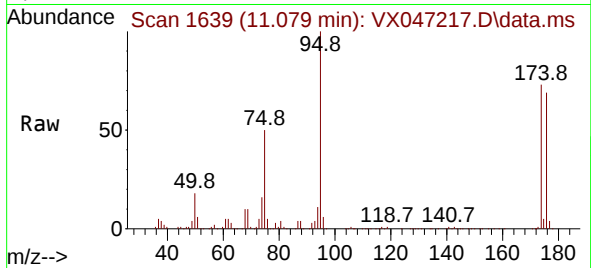




#76
1,2,3-Trichloropropane
Concen: 24.723 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

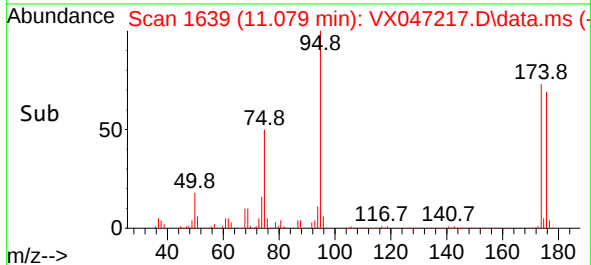
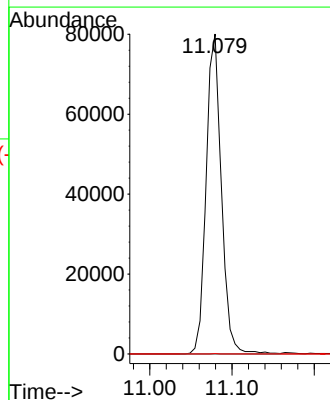
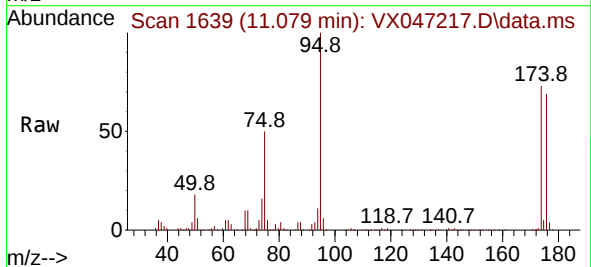
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

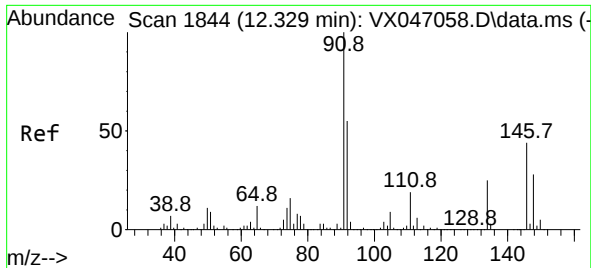
Tgt Ion: 75 Resp: 102792
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 75 Resp: 102792
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

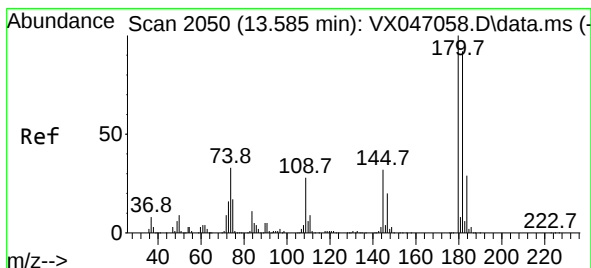
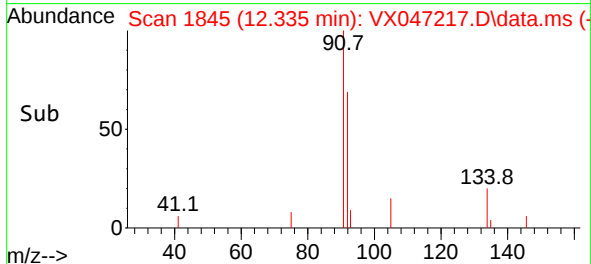
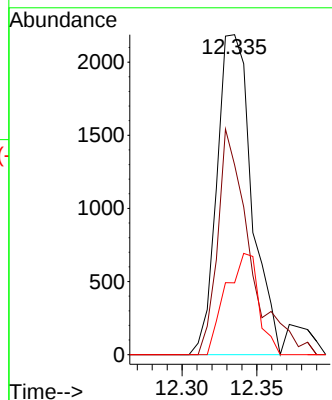
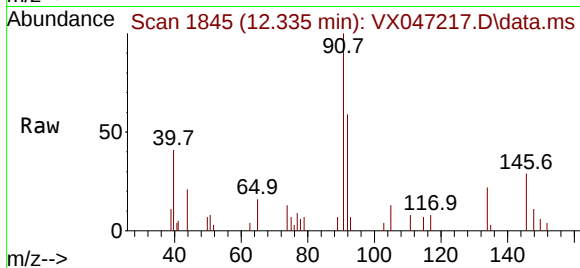




#89
n-Butylbenzene
Concen: 0.248 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

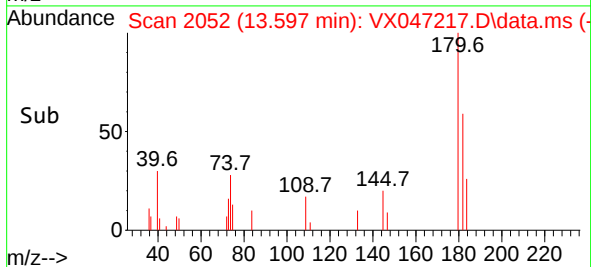
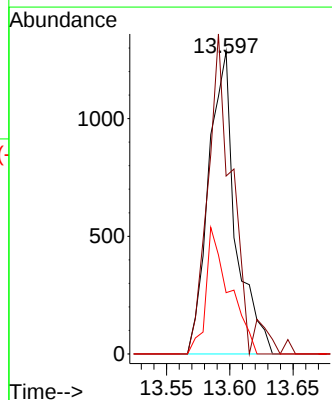
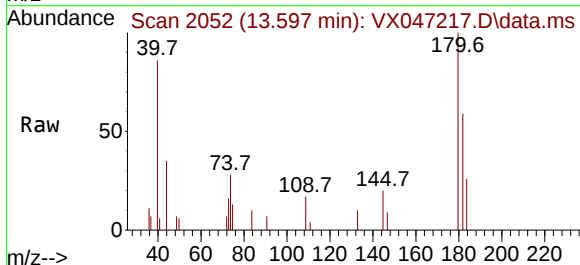
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

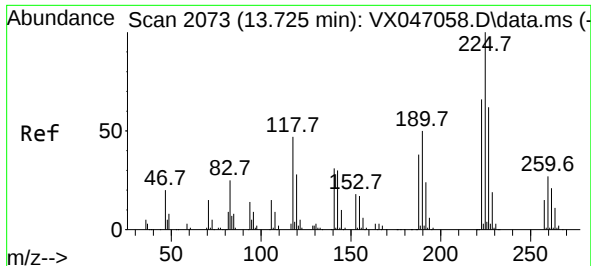
Tgt Ion: 91	Resp:	3542
Ion Ratio	Lower	Upper
91	100	
92	65.1	27.5 82.5
134	29.7	12.8 38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.375 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.013 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion: 180	Resp:	1912
Ion Ratio	Lower	Upper
180	100	
182	98.5	47.3 141.8
145	36.5	16.4 49.1

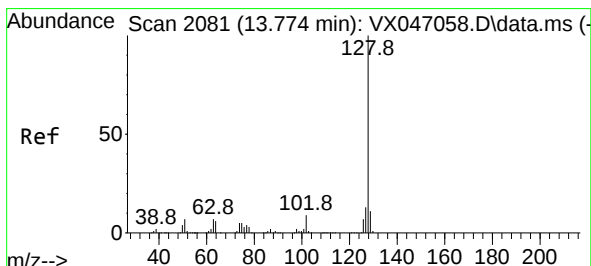
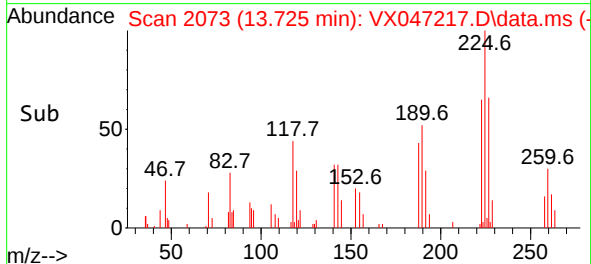
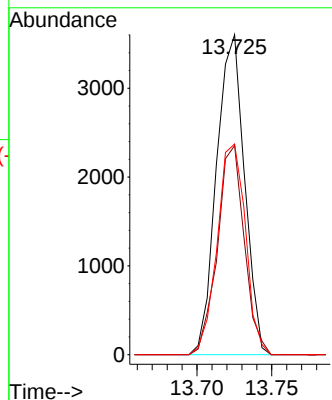
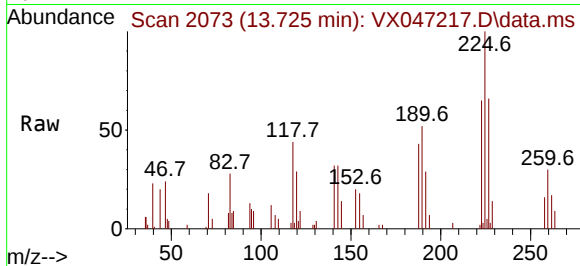




#94
Hexachlorobutadiene
Concen: 2.699 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

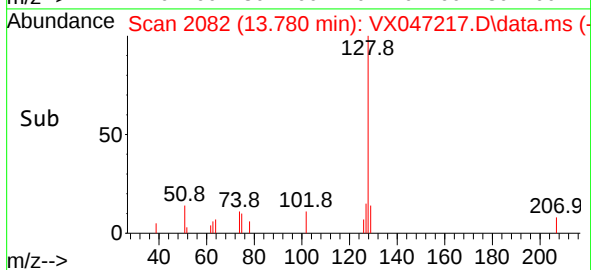
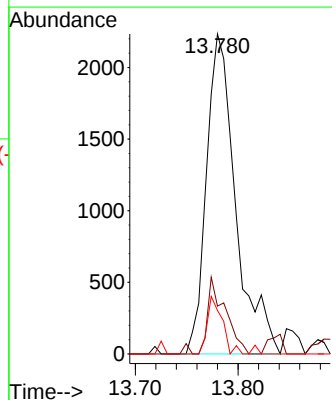
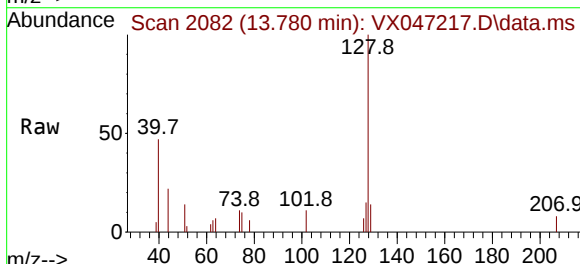
Instrument :
MSVOA_X
ClientSampleId :
VX0804MBL01

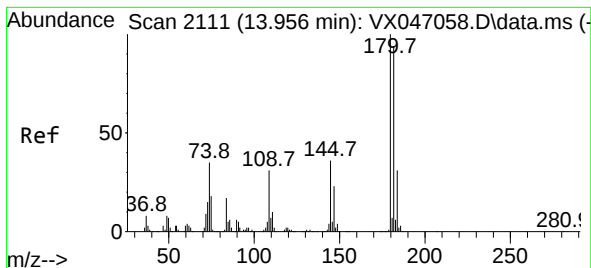
Tgt Ion:	225	Resp:	4682
Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.6	95.0
227	66.6	32.9	98.6



#95
Naphthalene
Concen: 0.296 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047217.D
Acq: 04 Aug 2025 10:11

Tgt Ion:	128	Resp:	4424
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.1	15.1
129	9.2	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.437 ug/l

RT: 13.963 min Scan# 2111

Delta R.T. 0.006 min

Lab File: VX047217.D

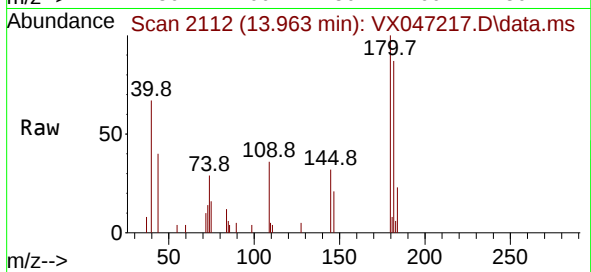
Acq: 04 Aug 2025 10:11

Instrument :

MSVOA_X

ClientSampleId :

VX0804MBL01



Tgt Ion:180 Resp: 2145

Ion Ratio Lower Upper

180 100

182 89.0 46.9 140.6

145 31.0 17.3 52.0

