

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047180.D
 Acq On : 30 Jul 2025 09:44
 Operator : JC/MD
 Sample : VX0730MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730MBL01

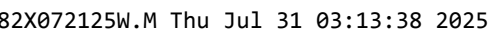
Quant Time: Jul 31 03:13:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

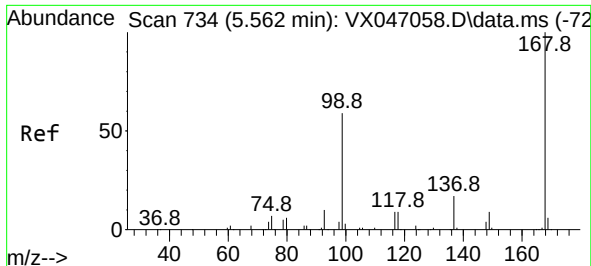
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	239890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	448287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	432254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	226566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	182188	60.968	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 121.940%#	
35) Dibromofluoromethane	5.391	113	146941	53.088	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.180%	
50) Toluene-d8	8.646	98	543801	60.667	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 121.340%#	
62) 4-Bromofluorobenzene	11.079	95	230781	59.744	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	1048	0.569	ug/l	98
6) Chloroethane	1.696	64	948	0.426	ug/l #	43
10) Methyl Iodide	2.483	142	5517	1.778	ug/l #	88
11) Tert butyl alcohol	2.965	59	73	Below Cal	#	72
13) Acrolein	2.251	56	614	0.954	ug/l	85
14) Allyl chloride	2.684	41	2234	0.410	ug/l #	35
15) Acrylonitrile	3.099	53	489	0.343	ug/l #	58
16) Acetone	2.392	43	3326	2.778	ug/l #	88
17) Carbon Disulfide	2.526	76	5628	0.645	ug/l #	90
36) 1,1-Dichloropropene	5.556	75	20586	4.363	ug/l #	49
38) Carbon Tetrachloride	5.556	117	26501	5.263	ug/l #	16
49) 1,4-Dioxane	7.714	88	421	10.025	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	121325	28.931	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	121325	74.537	ug/l #	8
89) n-Butylbenzene	12.341	91	3136	0.218	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	1725	0.335	ug/l	92
94) Hexachlorobutadiene	13.719	225	2659	1.520	ug/l	86
95) Naphthalene	13.780	128	3850	0.255	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.956	180	1696	0.342	ug/l	96

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

Quant Time: Jul 31 03:13:27 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

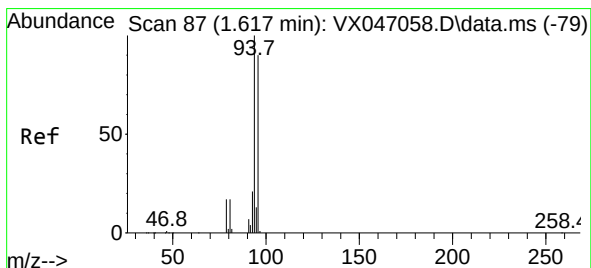
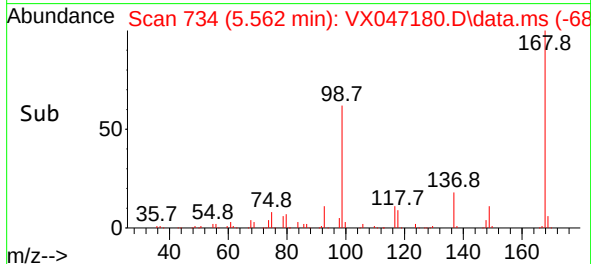
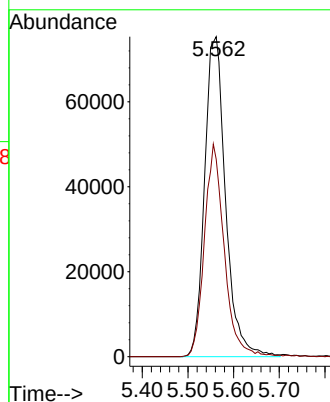
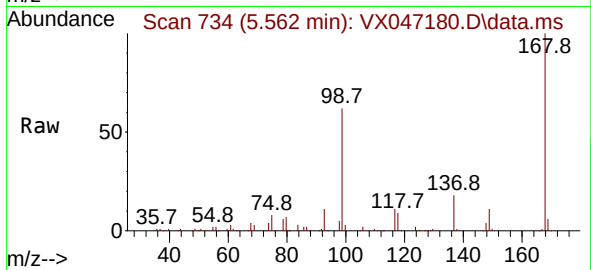




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

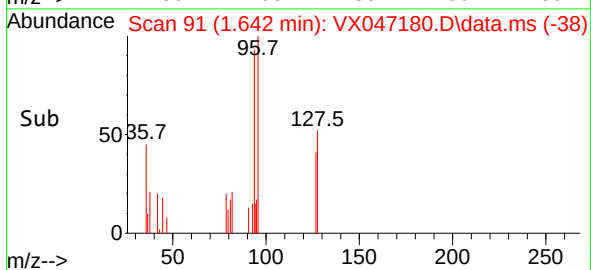
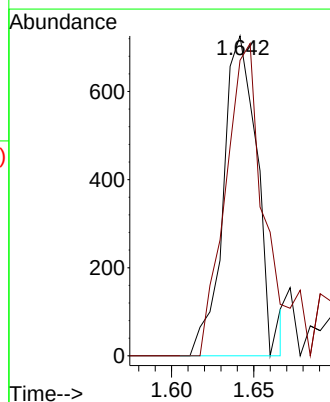
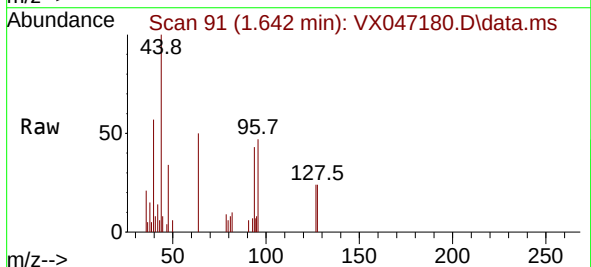
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

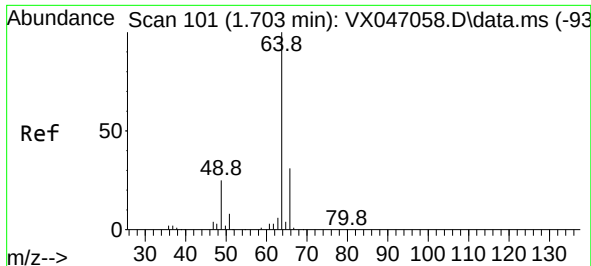
Tgt Ion:168 Resp: 239890
Ion Ratio Lower Upper
168 100
99 61.7 48.0 72.0



#5
Bromomethane
Concen: 0.569 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.024 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 94 Resp: 1048
Ion Ratio Lower Upper
94 100
96 92.4 72.3 108.5

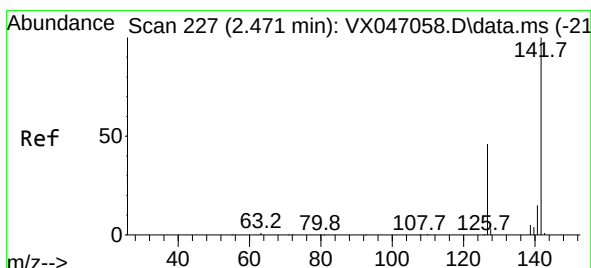
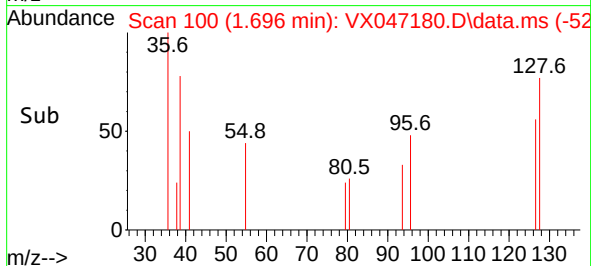
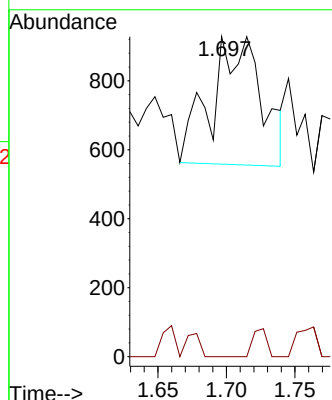
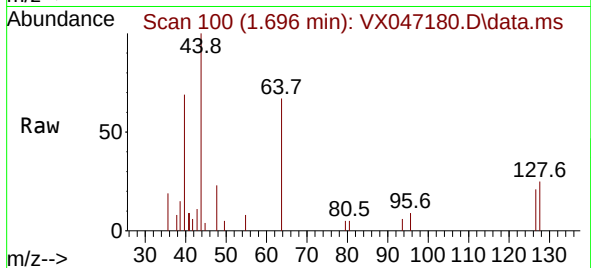




#6
Chloroethane
Concen: 0.426 ug/l
RT: 1.696 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

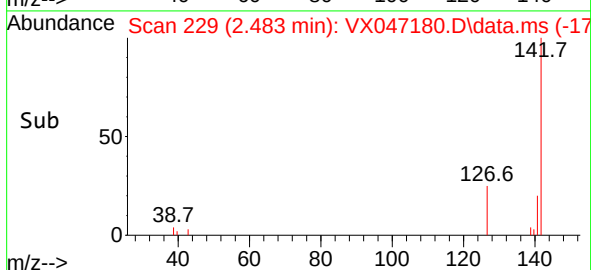
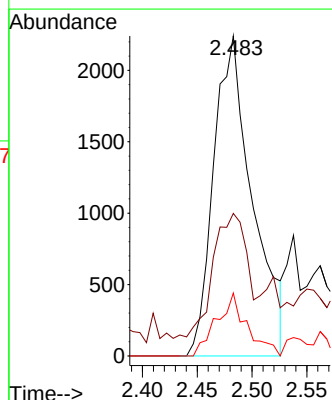
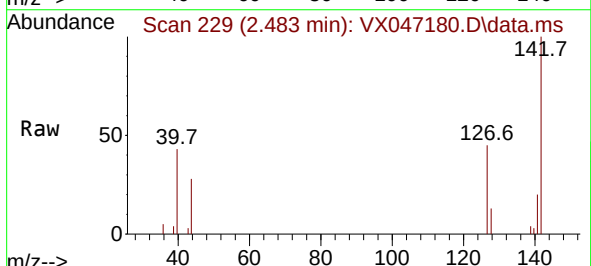
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

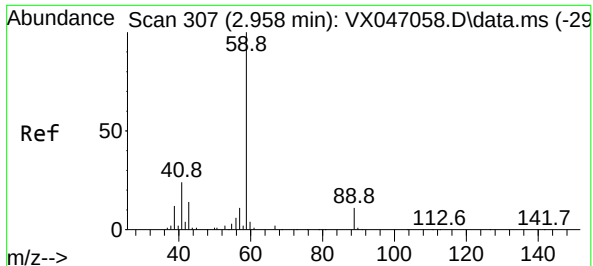
Tgt Ion: 64 Resp: 948
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#10
Methyl Iodide
Concen: 1.778 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion:142 Resp: 5517
Ion Ratio Lower Upper
142 100
127 35.9 36.6 54.8#
141 15.4 10.9 16.3

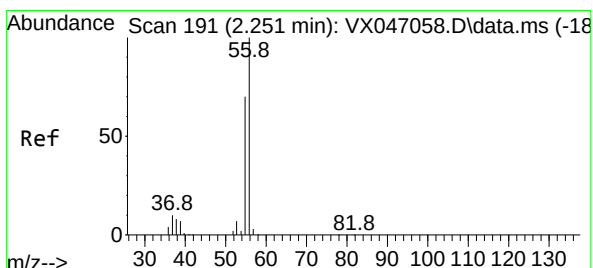
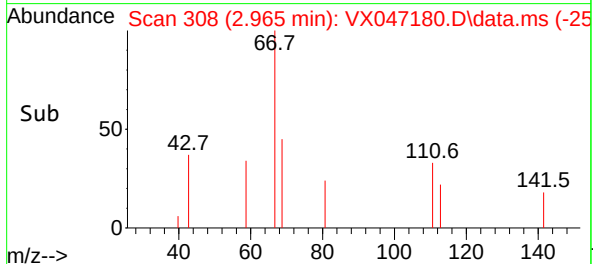
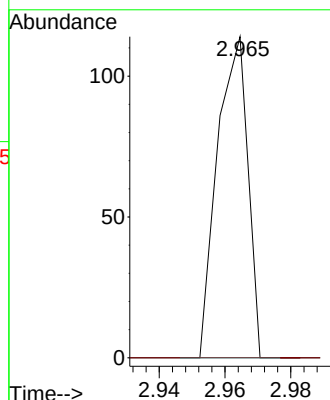
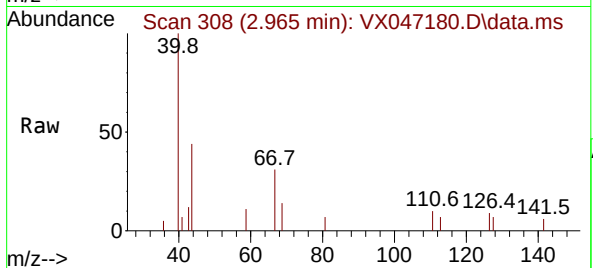




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 307
Delta R.T. 0.007 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

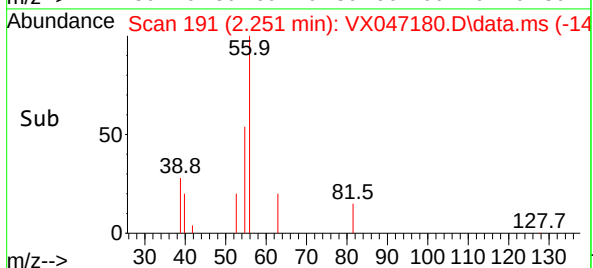
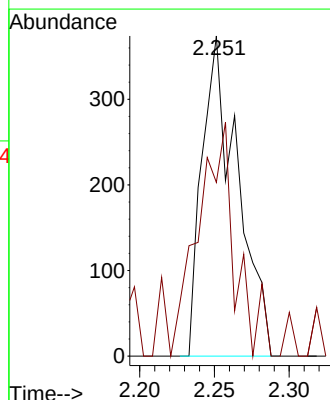
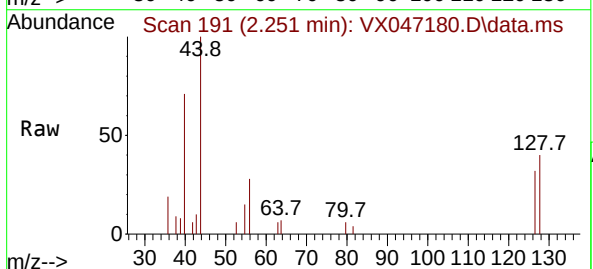
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

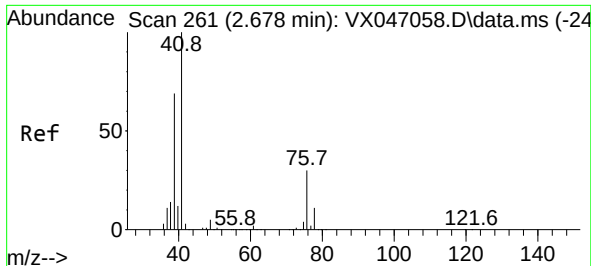
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.954 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 56 Resp: 614
Ion Ratio Lower Upper
56 100
55 82.2 55.7 83.5

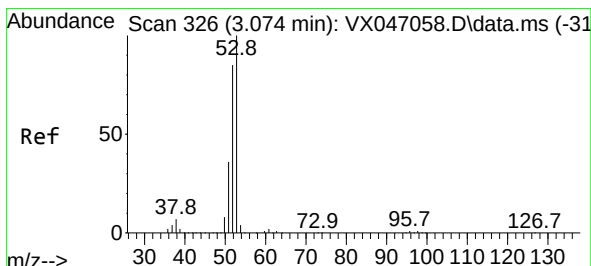
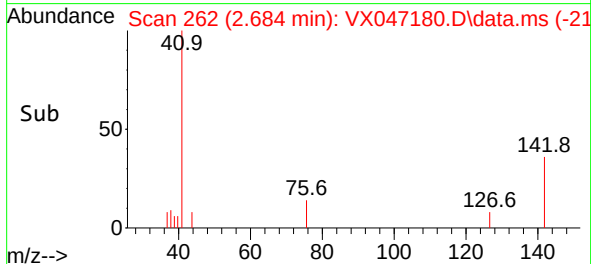
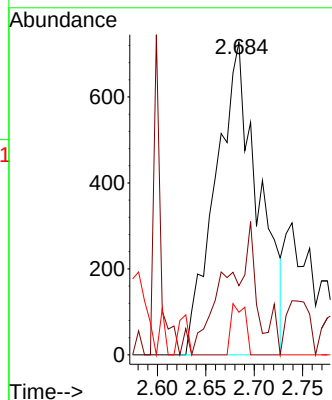
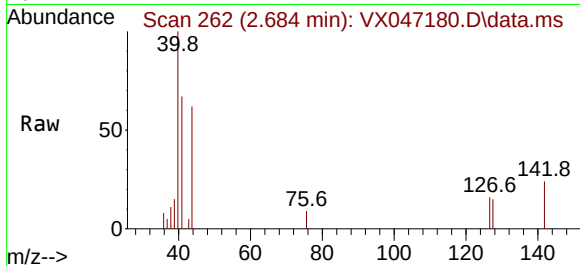




#14
 Allyl chloride
 Concen: 0.410 ug/l
 RT: 2.684 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047180.D
 Acq: 30 Jul 2025 09:44

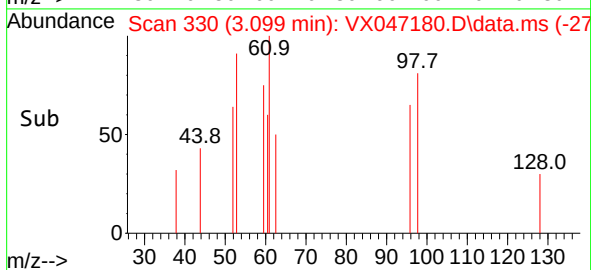
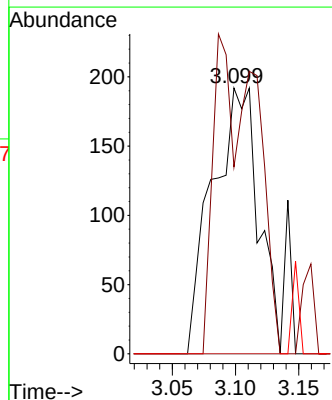
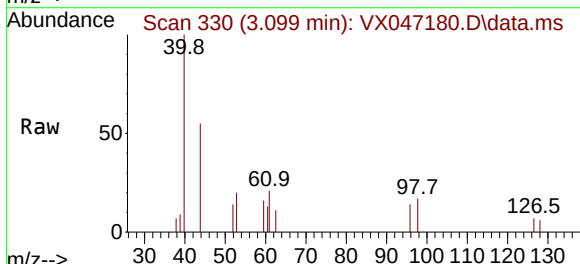
Instrument :
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 ClientSampleId :
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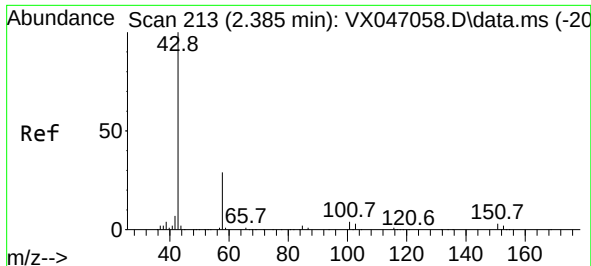
Tgt Ion: 41 Resp: 2234
 Ion Ratio Lower Upper
 41 100
 39 11.7 52.6 78.8#
 76 0.0 25.7 38.5#



#15
 Acrylonitrile
 Concen: 0.343 ug/l
 RT: 3.099 min Scan# 330
 Delta R.T. 0.024 min
 Lab File: VX047180.D
 Acq: 30 Jul 2025 09:44

Tgt Ion: 53 Resp: 489
 Ion Ratio Lower Upper
 53 100
 52 51.9 65.7 98.5#
 51 0.0 28.8 43.2#

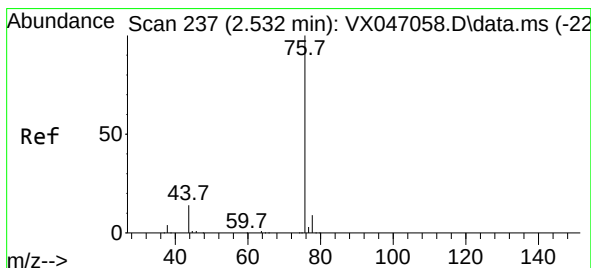
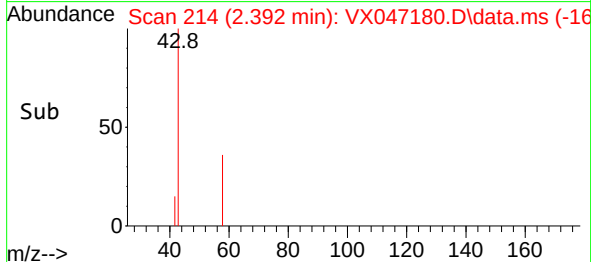
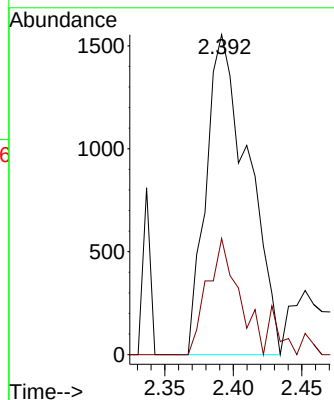
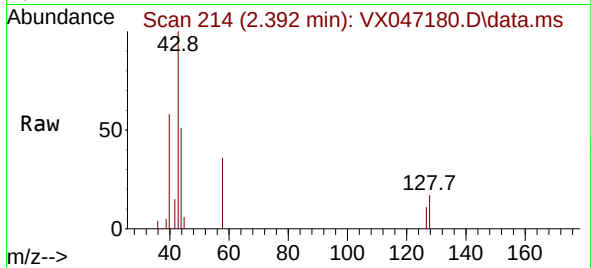




#16
Acetone
Concen: 2.778 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

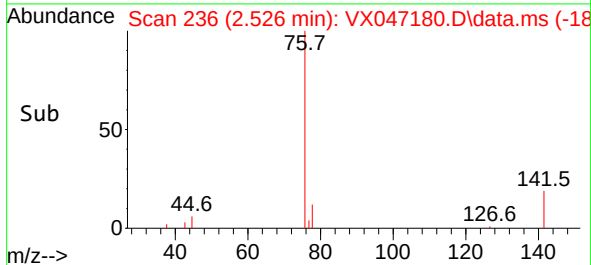
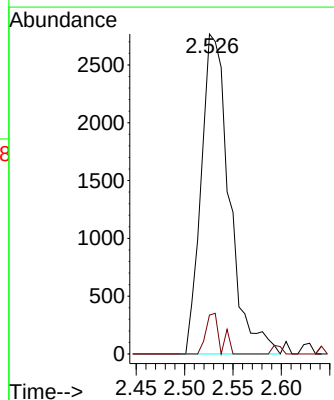
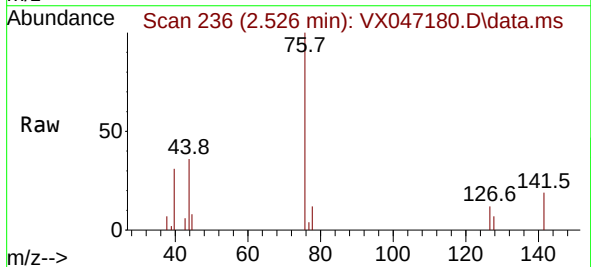
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

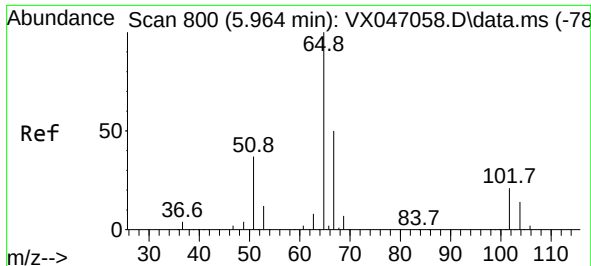
Tgt Ion: 43 Resp: 3326
Ion Ratio Lower Upper
43 100
58 36.3 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.645 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 76 Resp: 5628
Ion Ratio Lower Upper
76 100
78 12.2 7.0 10.4#





#33

1,2-Dichloroethane-d4

Concen: 60.968 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047180.D

Acq: 30 Jul 2025 09:44

Instrument :

MSVOA_X

ClientSampleId :

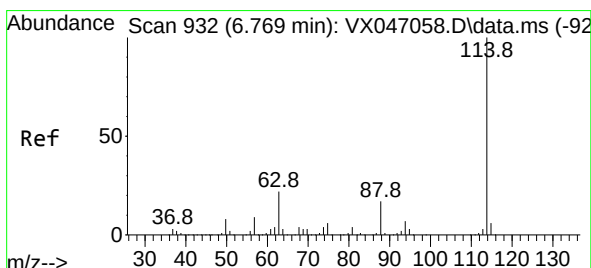
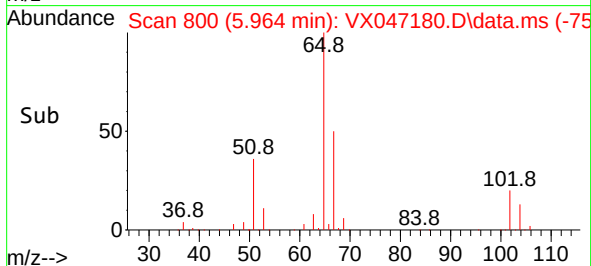
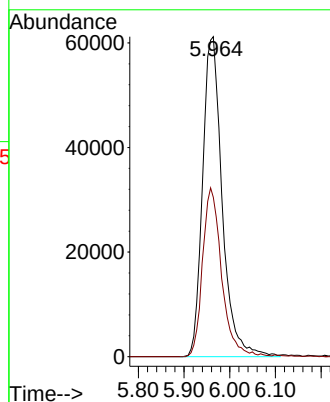
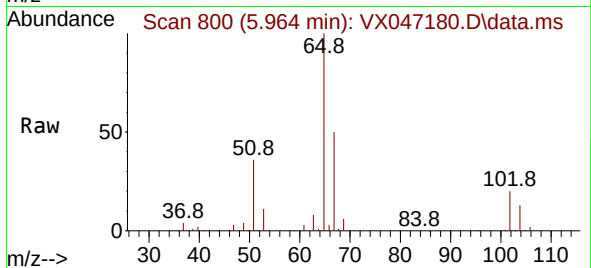
VX0730MBL01

Tgt Ion: 65 Resp: 182188

Ion Ratio Lower Upper

65 100

67 51.0 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: VX047180.D

Acq: 30 Jul 2025 09:44

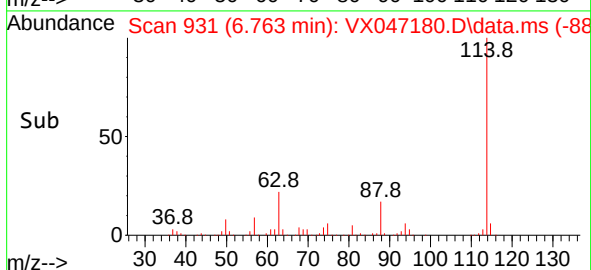
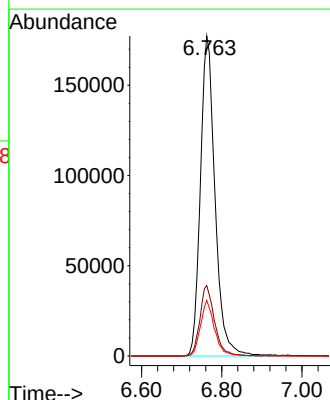
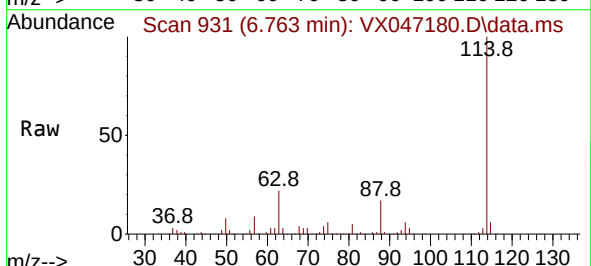
Tgt Ion: 114 Resp: 448287

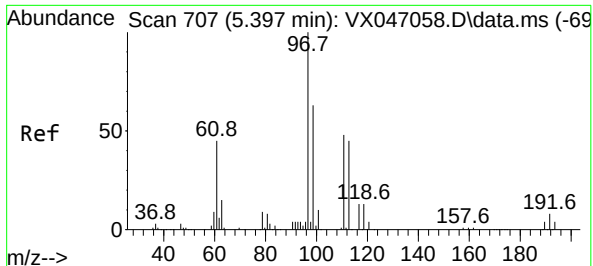
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.088 ug/l

RT: 5.391 min Scan# 70

Delta R.T. -0.006 min

Lab File: VX047180.D

Acq: 30 Jul 2025 09:44

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ClientSampleId :

VX0730MBL01

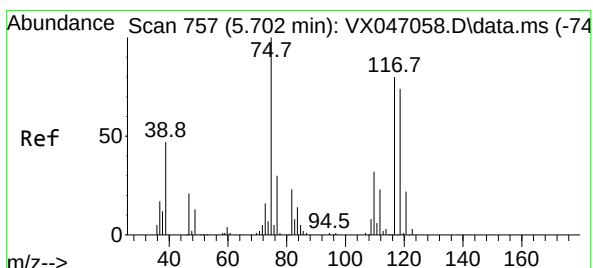
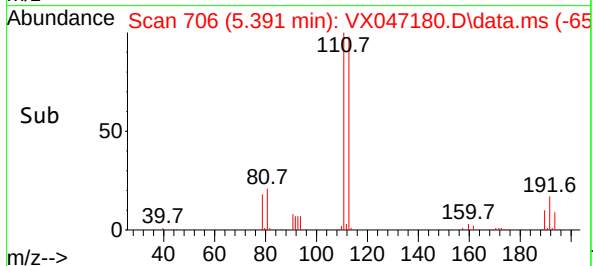
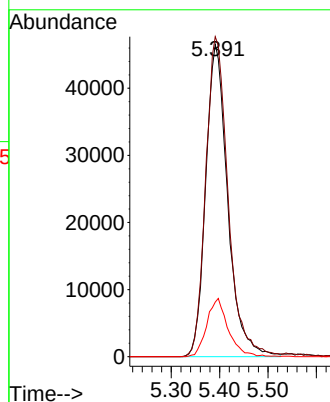
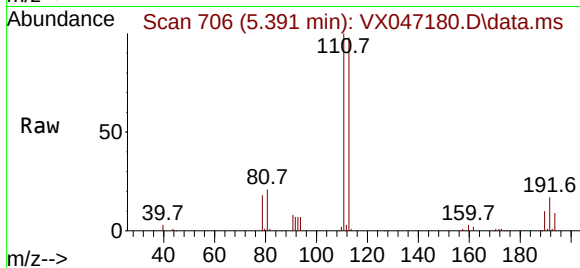
Tgt Ion:113 Resp: 146941

Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX047180.D

Acq: 30 Jul 2025 09:44

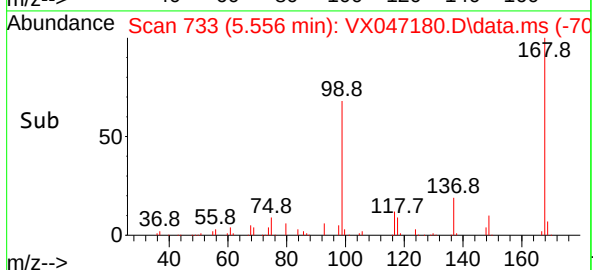
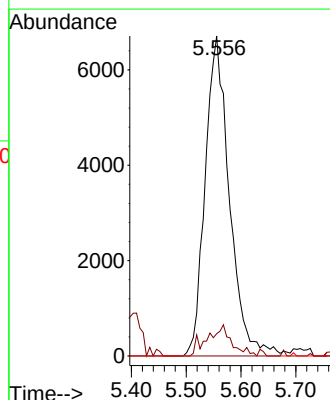
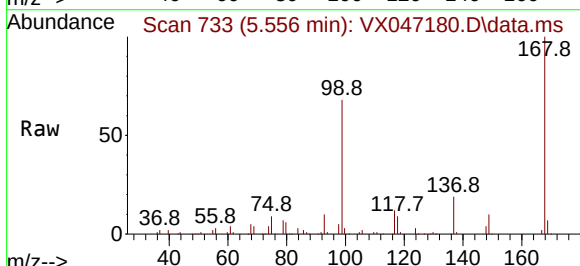
Tgt Ion: 75 Resp: 20586

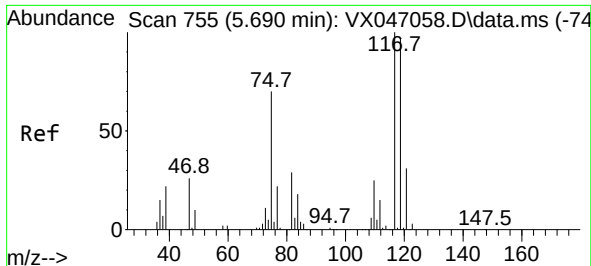
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.5#

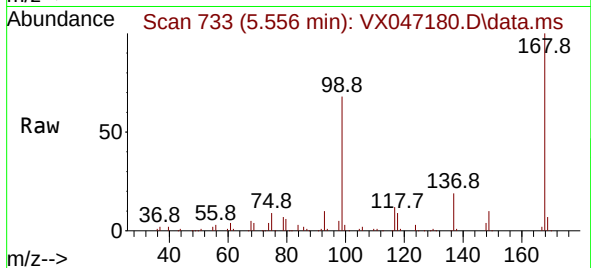
77 0.0 25.1 37.7#



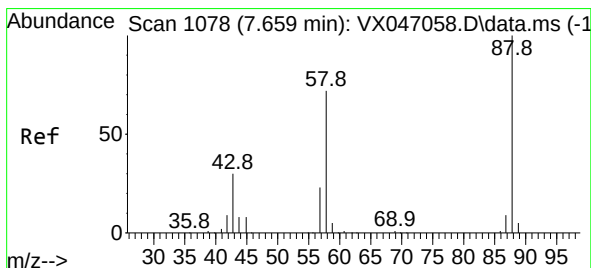
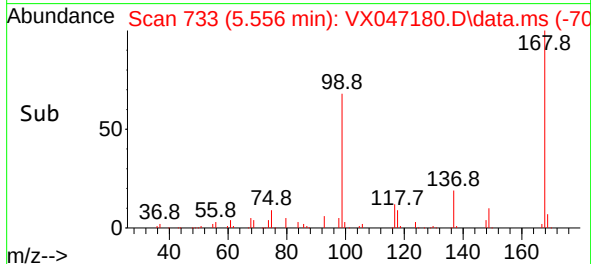
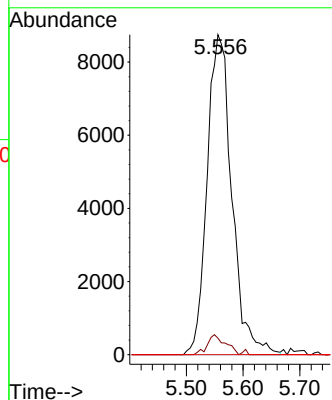


#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

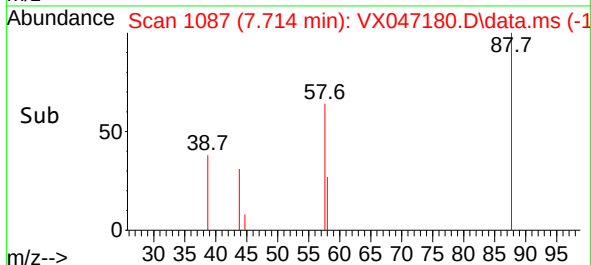
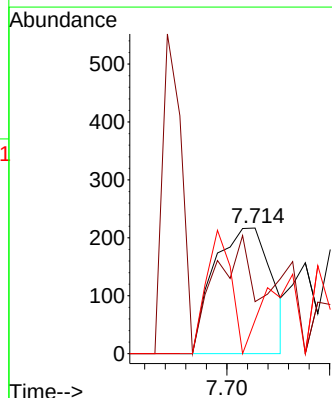
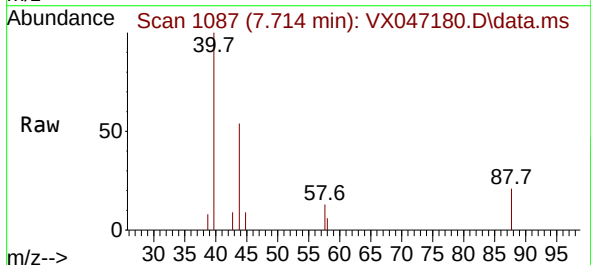


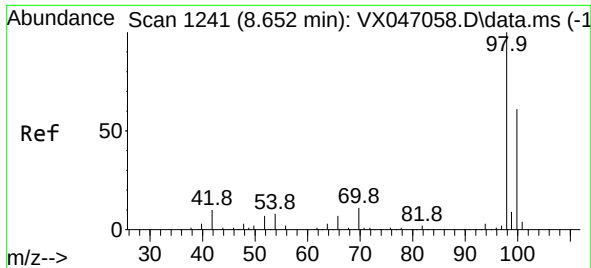
Tgt Ion:117 Resp: 26501
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 10.025 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.055 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 33.7 33.6 50.4
58 42.0 58.8 88.2#

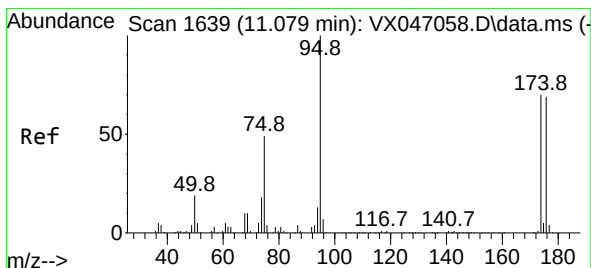
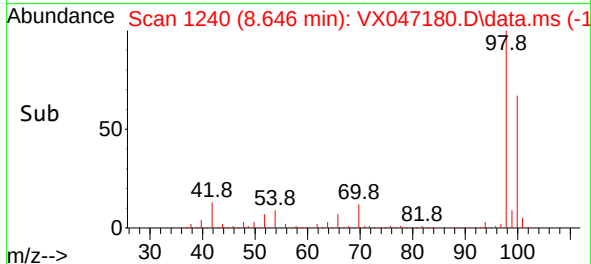
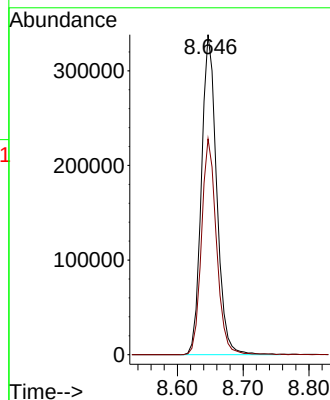
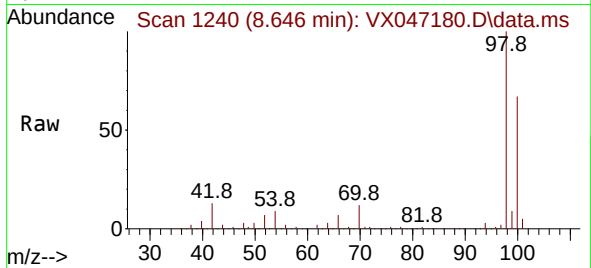




#50
Toluene-d8
Concen: 60.667 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

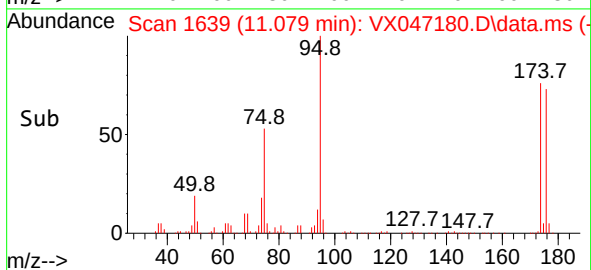
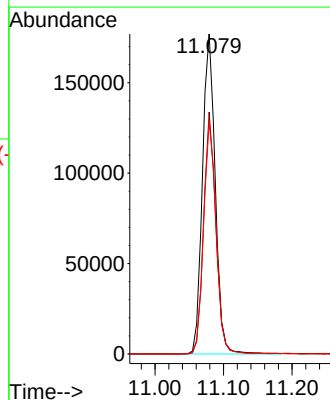
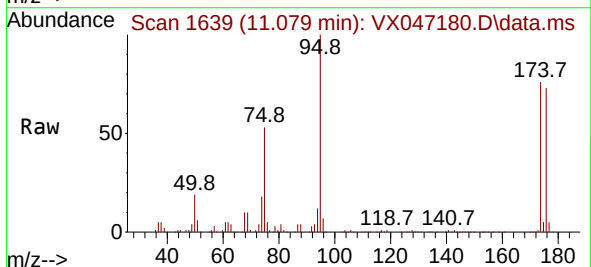
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

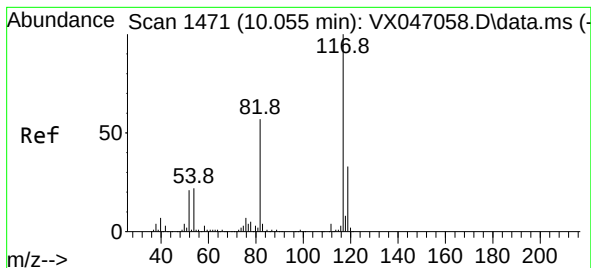
Tgt Ion: 98 Resp: 543801
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.744 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 95 Resp: 230781
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.6
176 70.9 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: VX047180.D

Acq: 30 Jul 2025 09:44

Instrument :

MSVOA_X

ClientSampleId :

VX0730MBL01

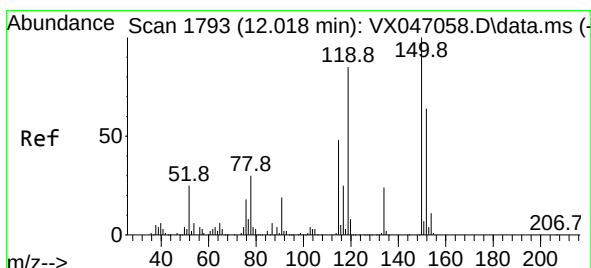
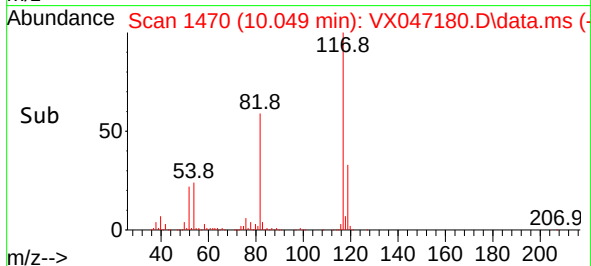
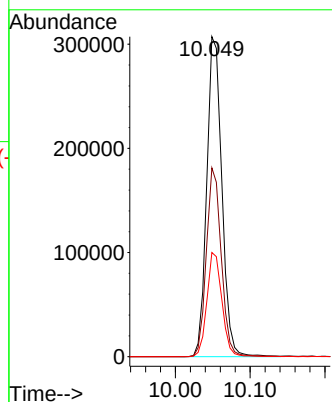
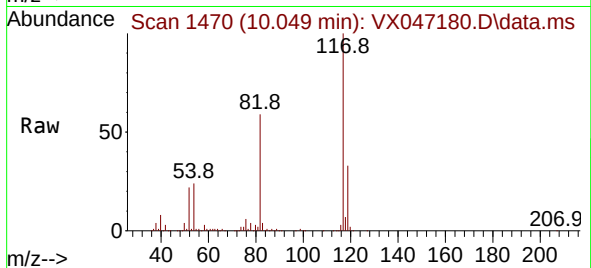
Tgt Ion:117 Resp: 432254

Ion Ratio Lower Upper

117 100

82 59.0 45.4 68.2

119 32.6 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: VX047180.D

Acq: 30 Jul 2025 09:44

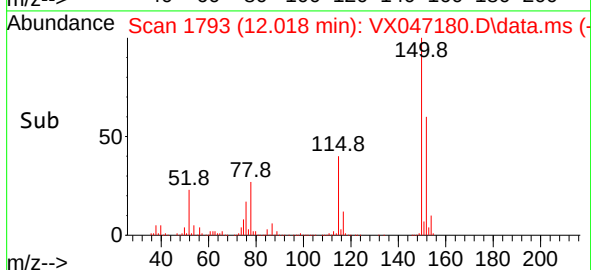
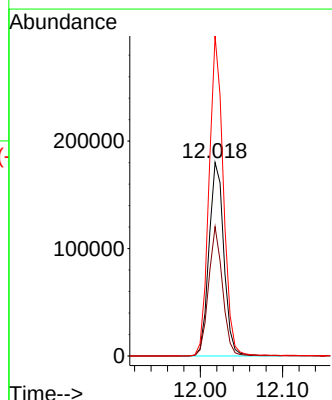
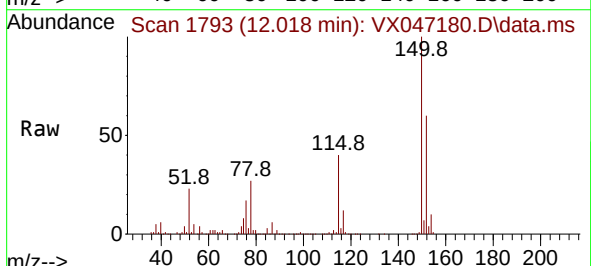
Tgt Ion:152 Resp: 226566

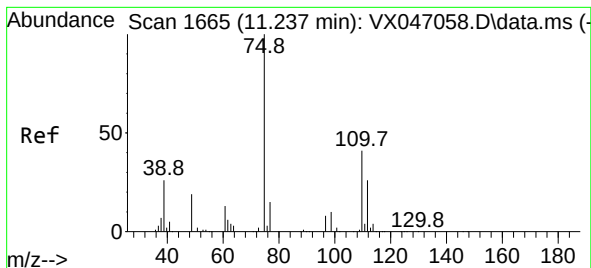
Ion Ratio Lower Upper

152 100

115 62.8 45.6 136.7

150 158.5 0.0 354.6

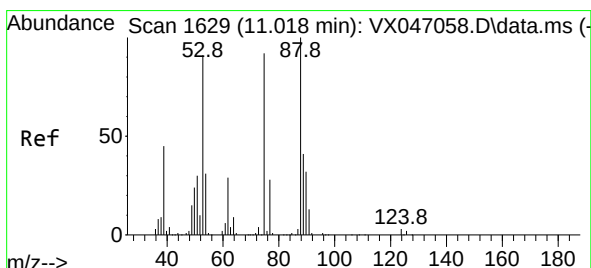
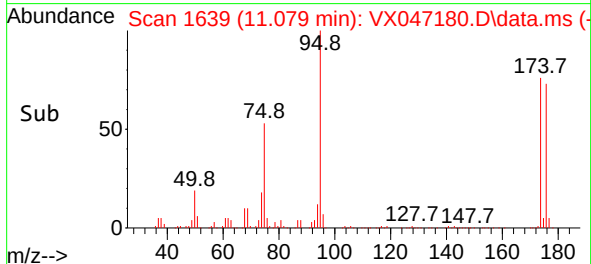
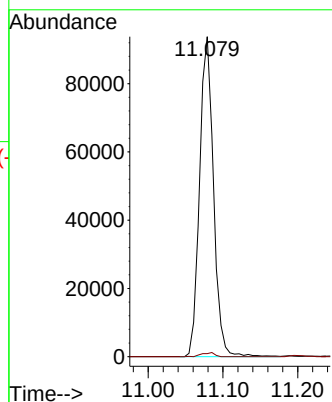
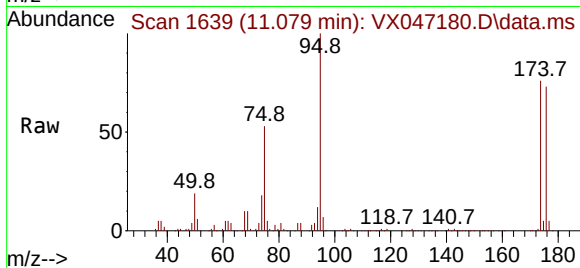




#76
1,2,3-Trichloropropane
Concen: 28.931 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

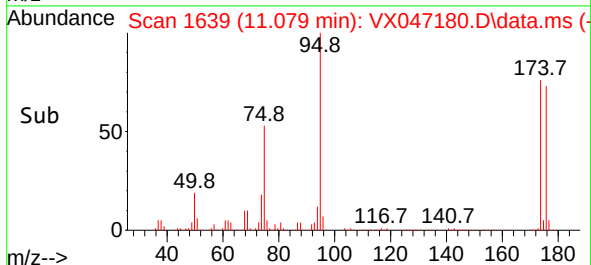
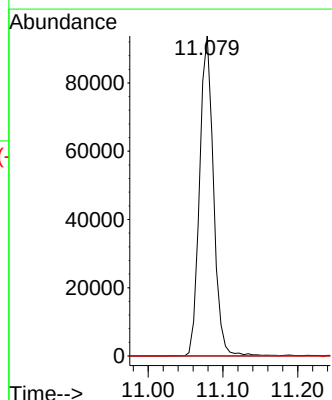
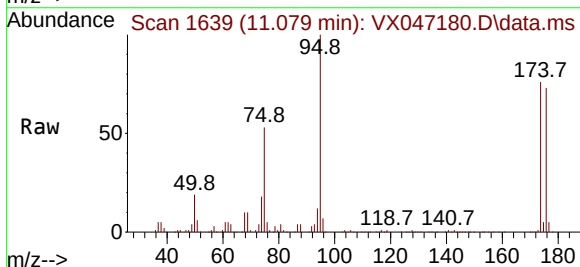
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

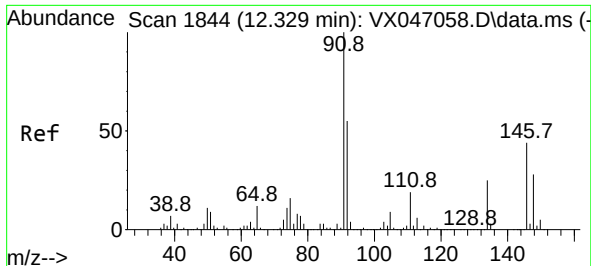
Tgt Ion: 75 Resp: 121325
Ion Ratio Lower Upper
75 100
77 1.2 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion: 75 Resp: 121325
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

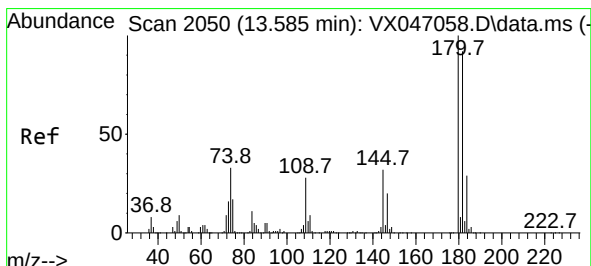
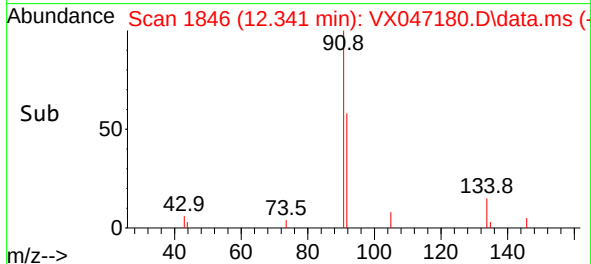
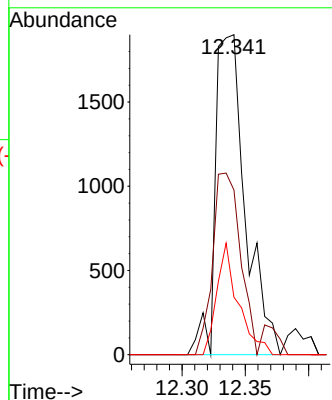
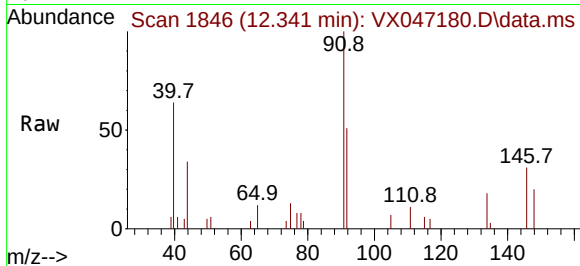




#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

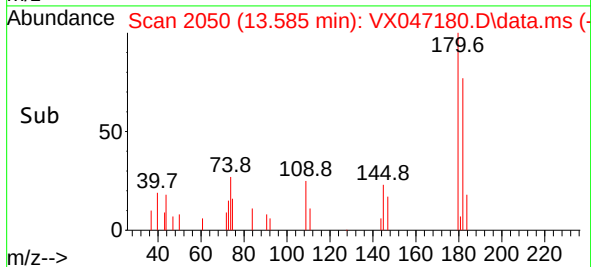
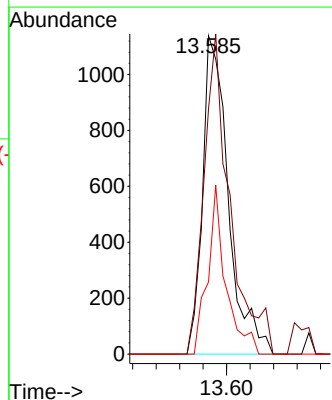
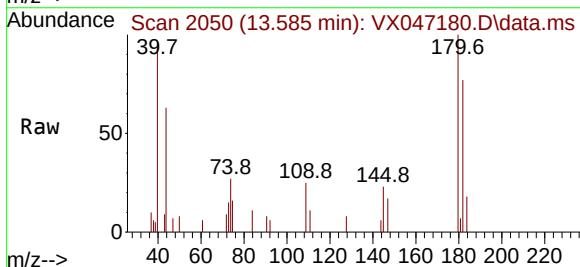
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

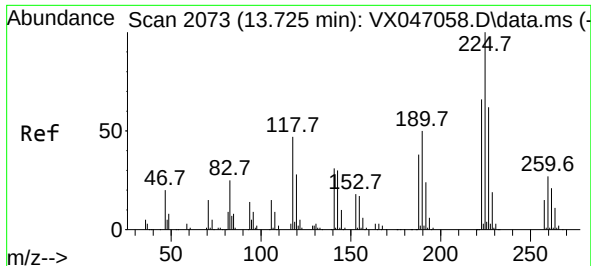
Tgt Ion: 91	Resp:	3136	
Ion Ratio	Lower	Upper	
91	100		
92	52.5	27.5	82.5
134	24.9	12.8	38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.335 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

Tgt Ion:180	Resp:	1725	
Ion	Ratio	Lower	Upper
180	100		
182	101.7	47.3	141.8
145	37.3	16.4	49.1

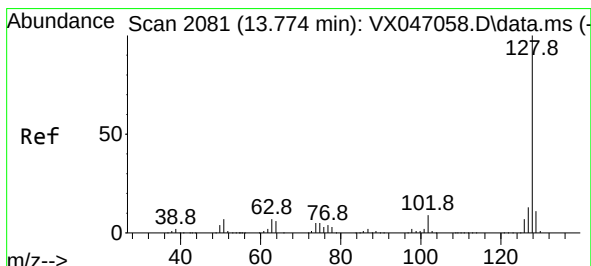
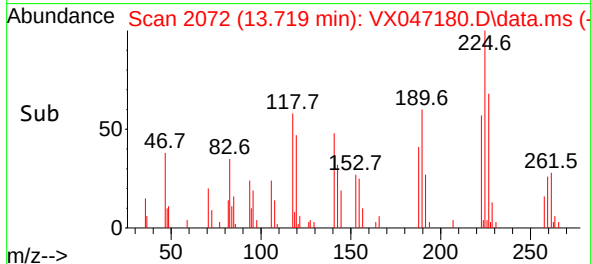
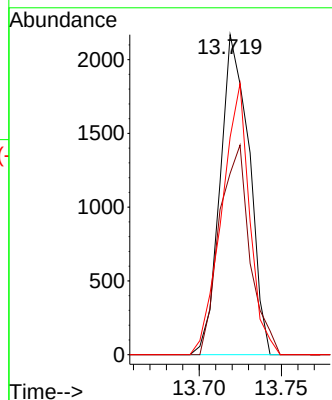
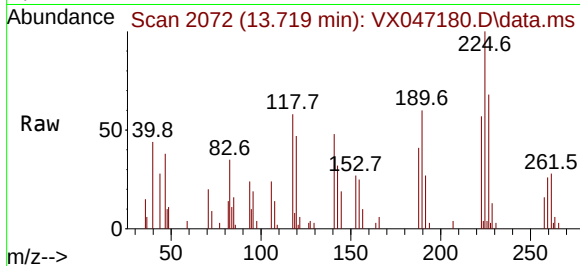




#94
Hexachlorobutadiene
Concen: 1.520 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

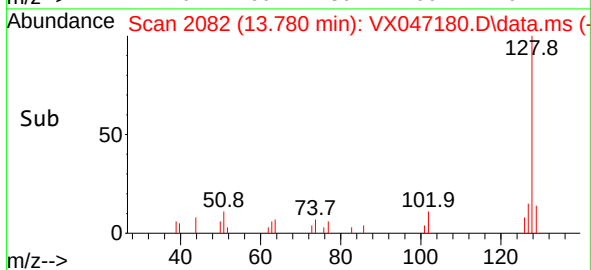
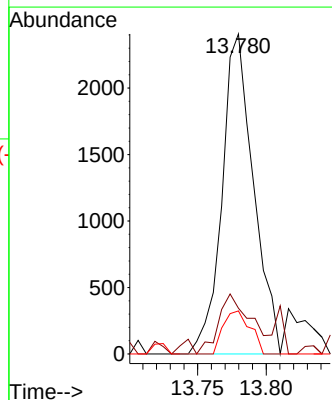
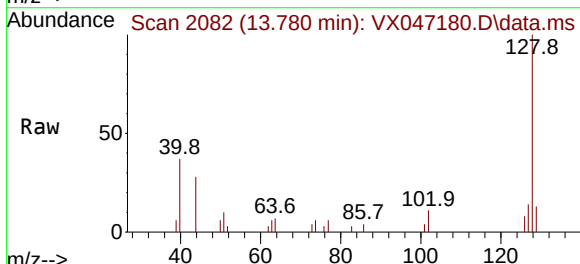
Instrument :
MSVOA_X
ClientSampleId :
VX0730MBL01

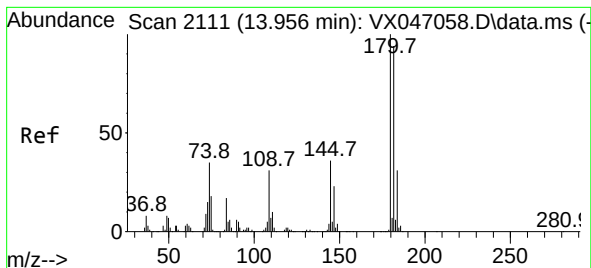
Tgt Ion:225 Resp: 2659
Ion Ratio Lower Upper
225 100
223 69.2 31.6 95.0
227 81.6 32.9 98.6



#95
Naphthalene
Concen: 0.255 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047180.D
Acq: 30 Jul 2025 09:44

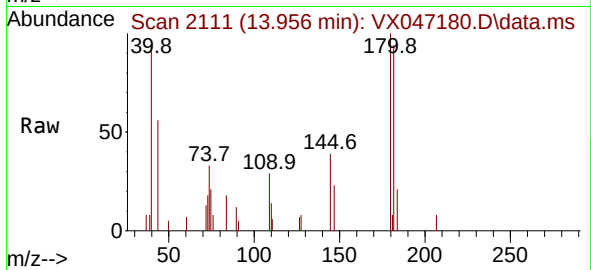
Tgt Ion:128 Resp: 3850
Ion Ratio Lower Upper
128 100
127 23.6 10.1 15.1#
129 11.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.342 ug/l
 RT: 13.956 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX047180.D
 Acq: 30 Jul 2025 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730MBL01



Tgt Ion:	180	Resp:	1696
Ion Ratio	Lower	Upper	
180	100		
182	93.8	46.9	140.6
145	42.5	17.3	52.0

