

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047039.D
 Acq On : 18 Jul 2025 10:58
 Operator : JC/MD
 Sample : VX0718MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBL01

Quant Time: Jul 19 04:20:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

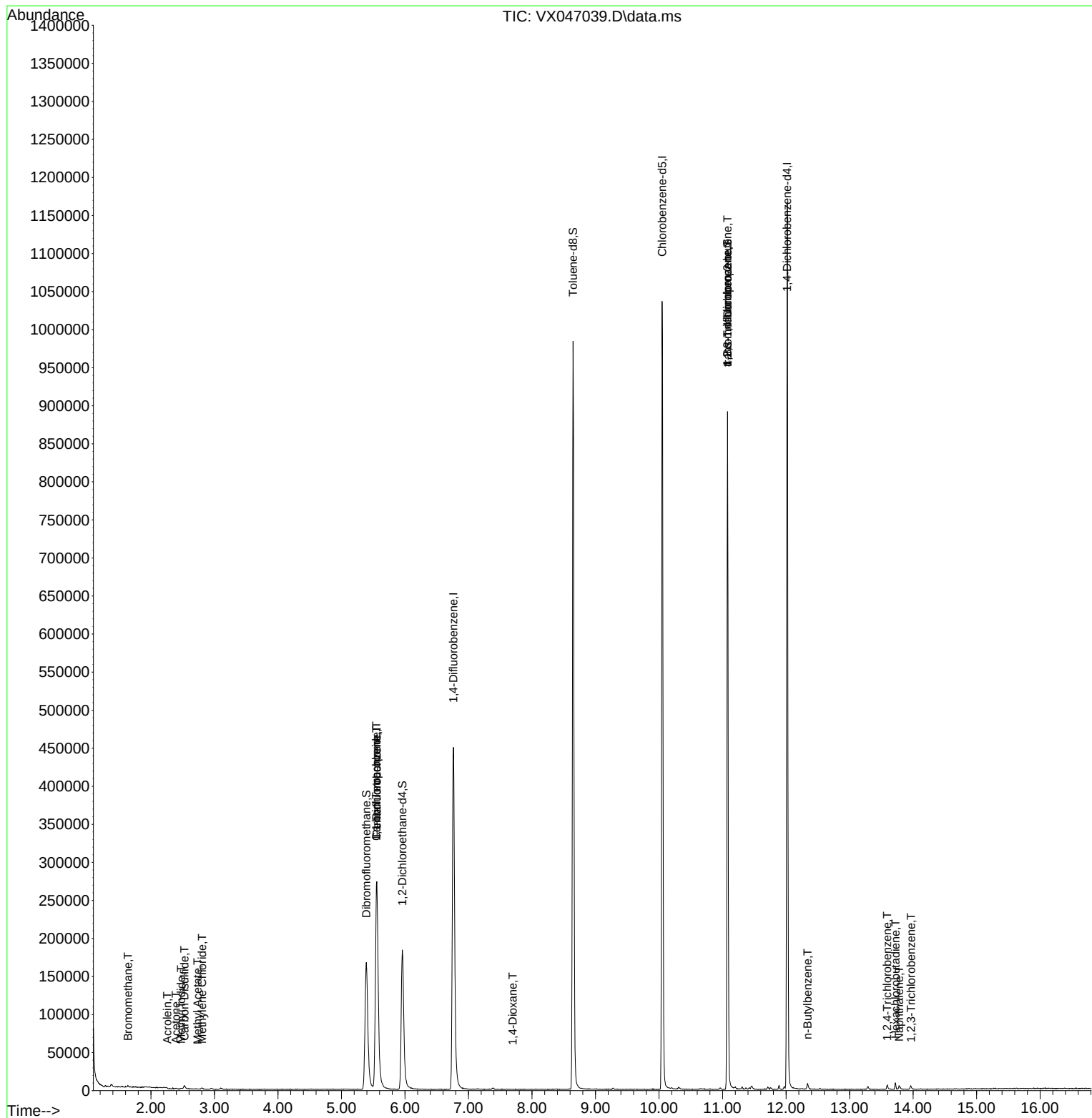
Internal Standards						
1) Pentafluorobenzene	5.556	168	277774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	491382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	464233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191596	52.211	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.420%			
35) Dibromofluoromethane	5.391	113	159734	47.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	8.647	98	588943	50.044	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.079	95	241737	54.048	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.100%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	865	0.426	ug/l #	59
10) Methyl Iodide	2.477	142	1979	0.583	ug/l #	89
13) Acrolein	2.258	56	115	3.262	ug/l #	74
16) Acetone	2.392	43	891	0.782	ug/l #	42
17) Carbon Disulfide	2.526	76	5260	0.666	ug/l	100
18) Methyl Acetate	2.733	43	933	0.311	ug/l #	63
20) Methylene Chloride	2.806	84	911	0.270	ug/l #	68
36) 1,1-Dichloropropene	5.550	75	22957	5.101	ug/l #	49
38) Carbon Tetrachloride	5.550	117	30116	6.330	ug/l #	15
49) 1,4-Dioxane	7.696	88	33	0.939	ug/l #	21
76) 1,2,3-Trichloropropane	11.079	75	124242	36.058	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	124242	96.761	ug/l #	8
89) n-Butylbenzene	12.341	91	3494	0.268	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	1636	0.340	ug/l	84
94) Hexachlorobutadiene	13.725	225	1229	0.678	ug/l	98
95) Naphthalene	13.780	128	4395	0.347	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.969	180	1629	0.359	ug/l	98

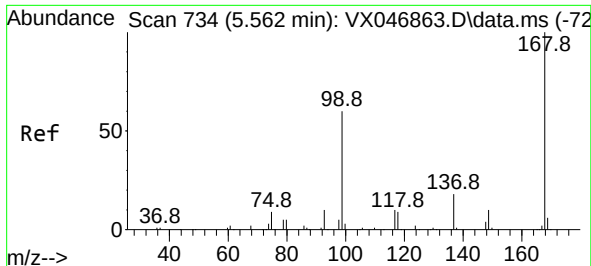
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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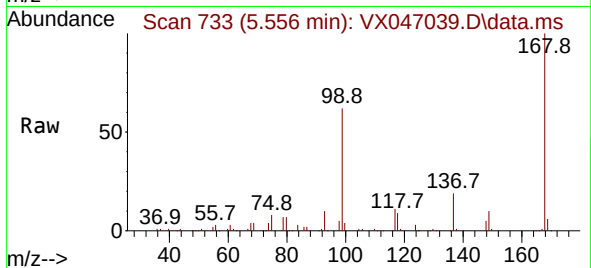
Quant Time: Jul 19 04:20:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



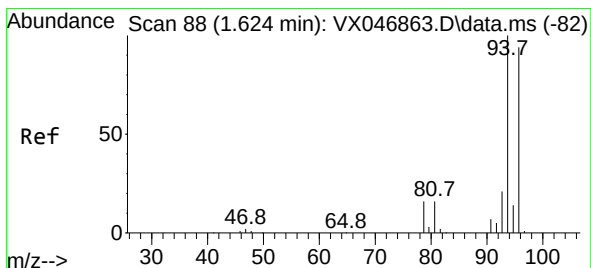
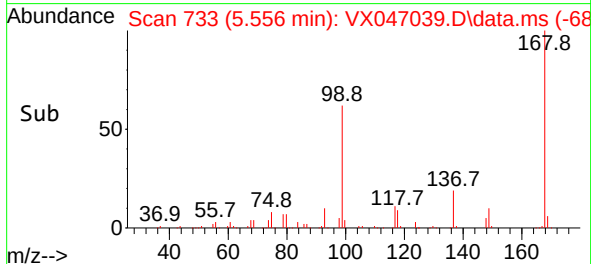
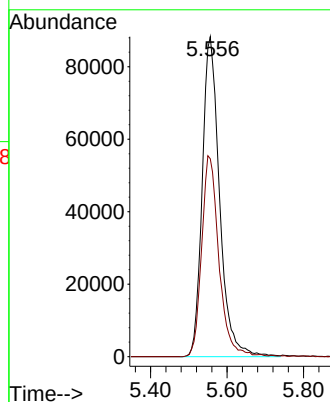


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

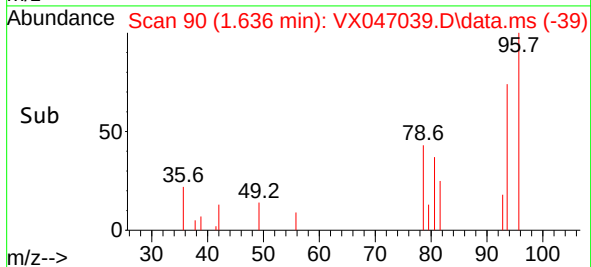
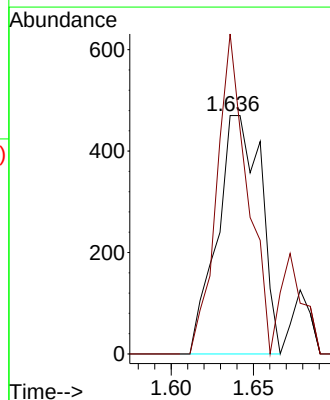
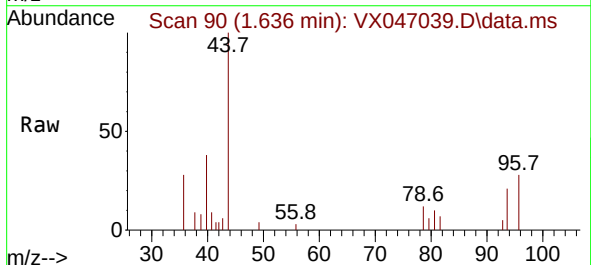


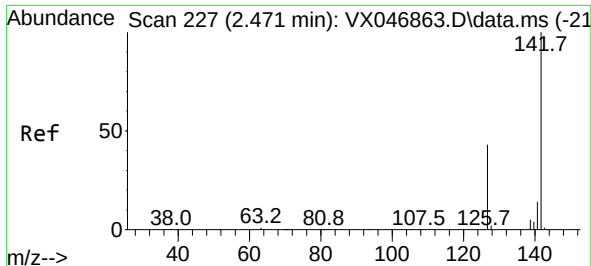
Tgt Ion:168 Resp: 277774
Ion Ratio Lower Upper
168 100
99 61.8 48.8 73.2



#5
Bromomethane
Concen: 0.426 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

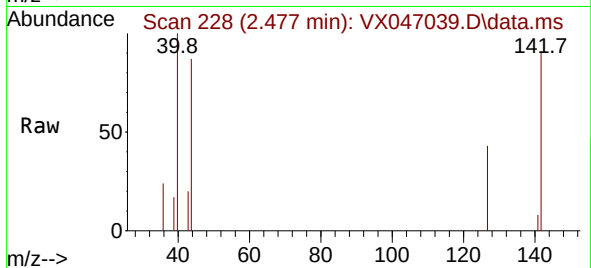
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 134.3 75.5 113.3#



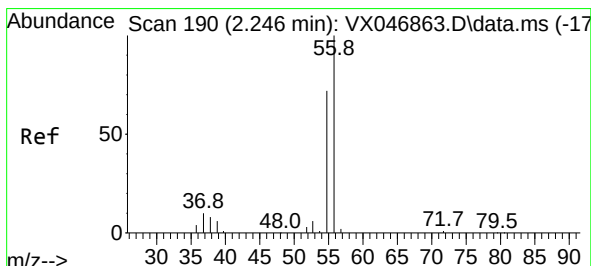
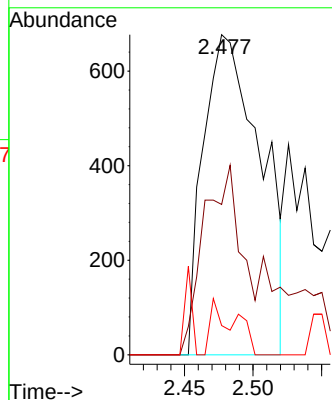
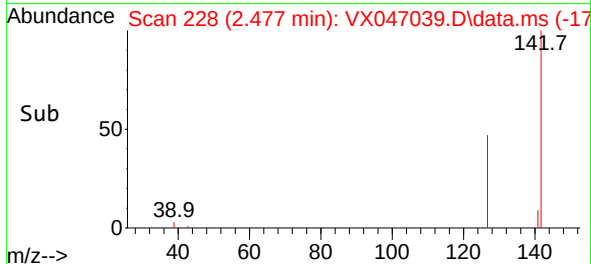


#10
Methyl Iodide
Concen: 0.583 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

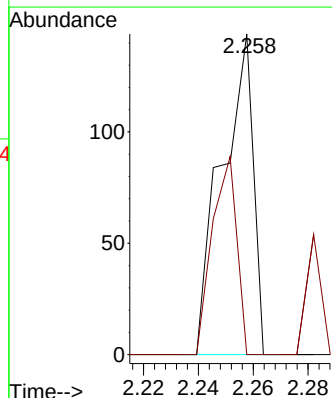
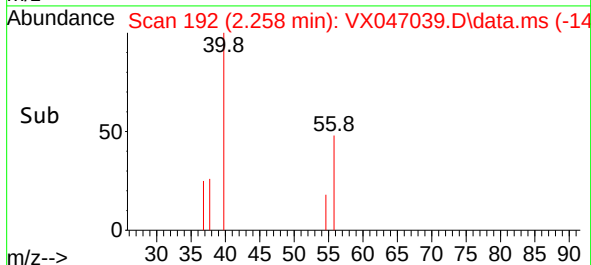
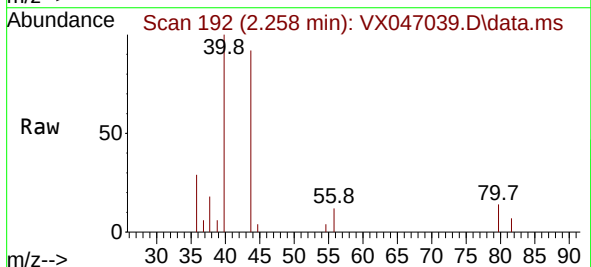


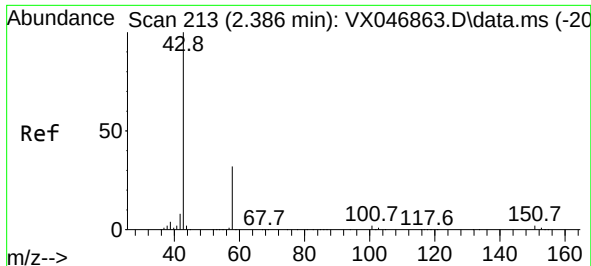
Tgt Ion:142 Resp: 1979
Ion Ratio Lower Upper
142 100
127 39.4 34.9 52.3
141 4.3 11.1 16.7#



#13
Acrolein
Concen: 3.262 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.012 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 47.8 55.5 83.3#

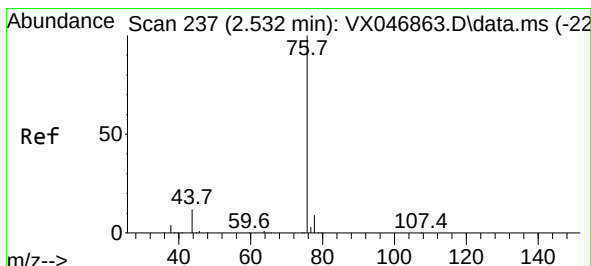
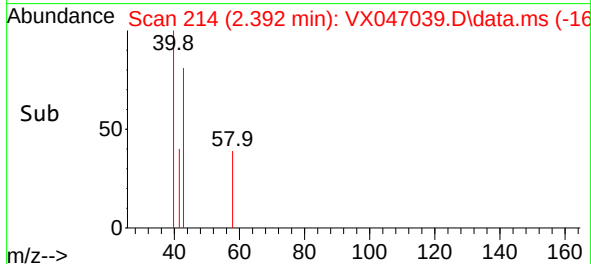
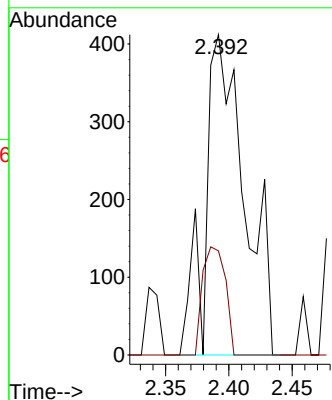
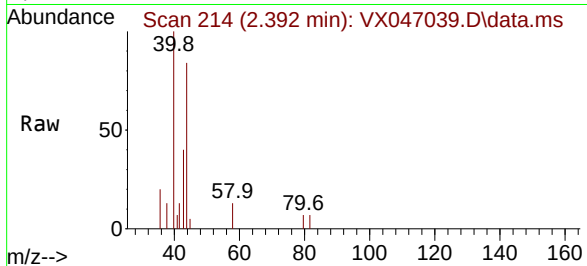




#16
Acetone
Concen: 0.782 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

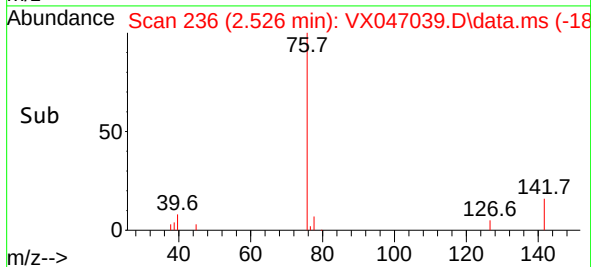
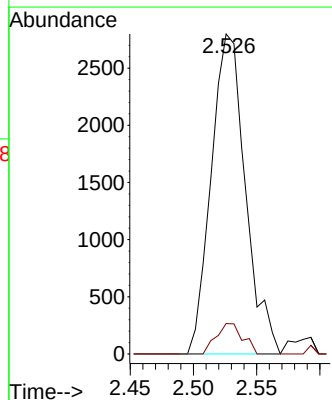
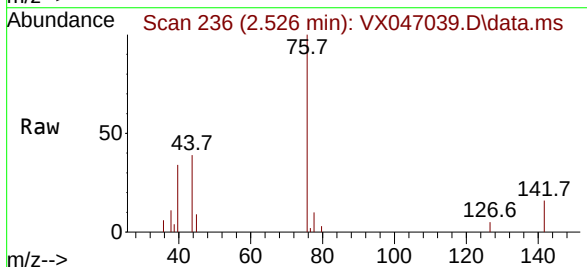
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

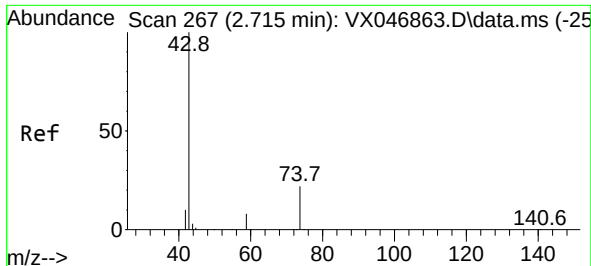
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.666 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 76 Resp: 5260
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

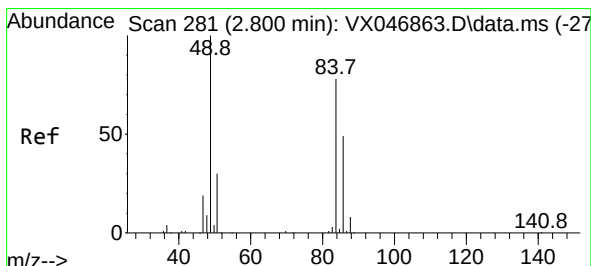
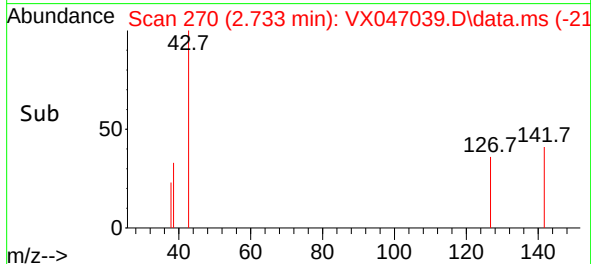
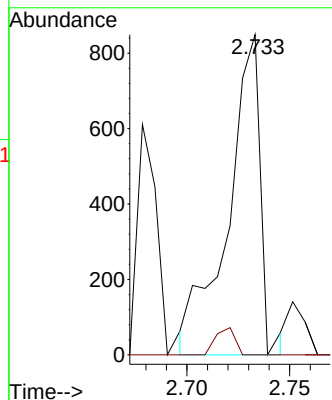
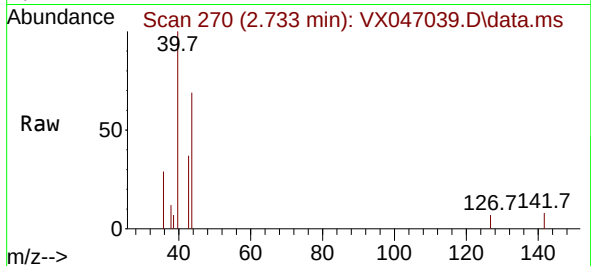




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

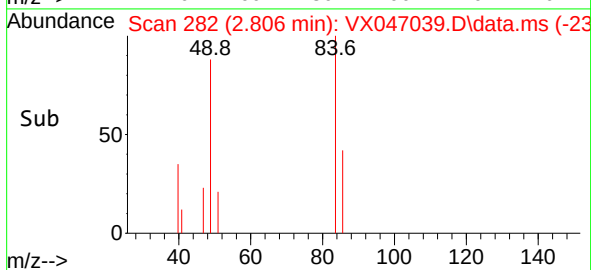
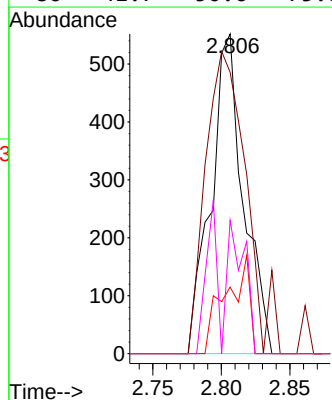
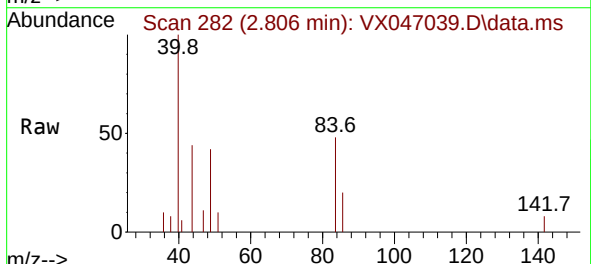
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

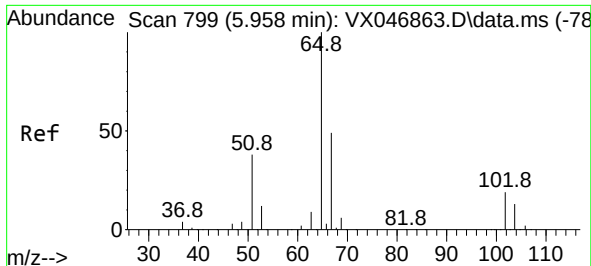
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
74 5.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.270 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 84 Resp: 911
Ion Ratio Lower Upper
84 100
49 88.0 102.8 154.2#
51 20.8 31.1 46.7#
86 41.7 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 52.211 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX047039.D

Acq: 18 Jul 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

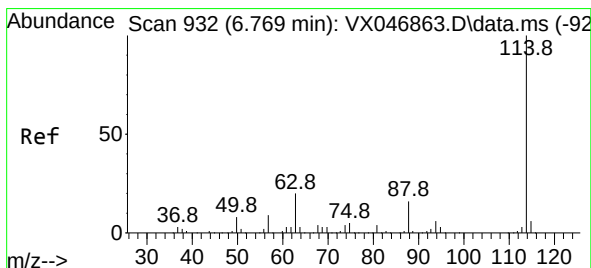
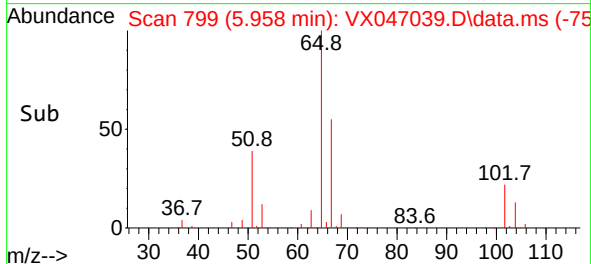
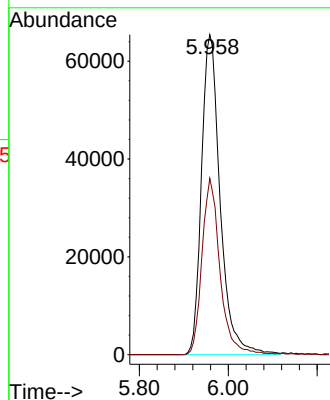
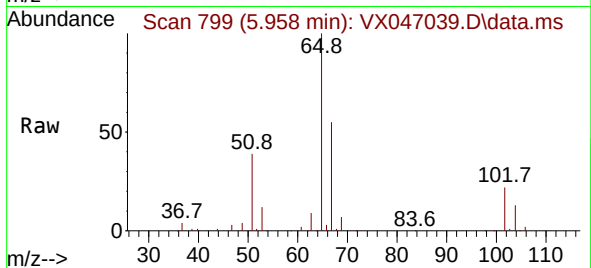
VX0718MBL01

Tgt Ion: 65 Resp: 191596

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047039.D

Acq: 18 Jul 2025 10:58

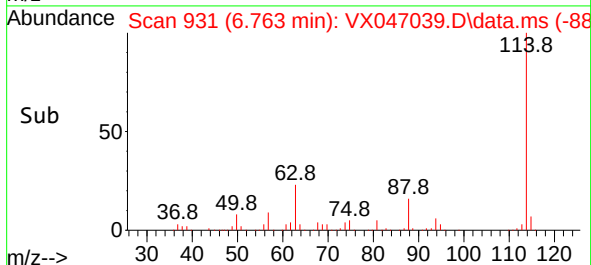
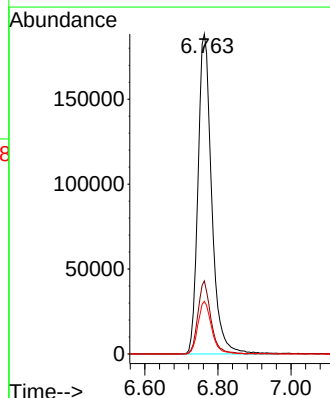
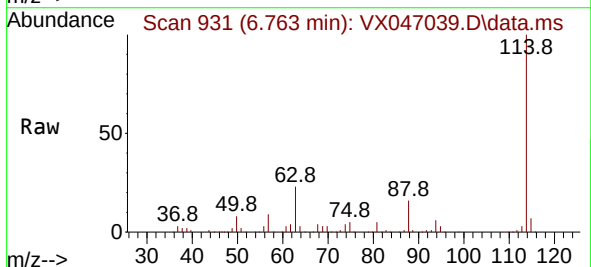
Tgt Ion: 114 Resp: 491382

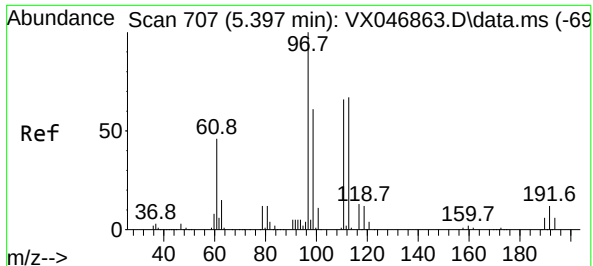
Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.4

88 16.5 0.0 31.0

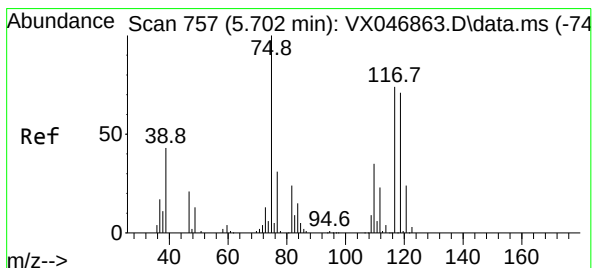
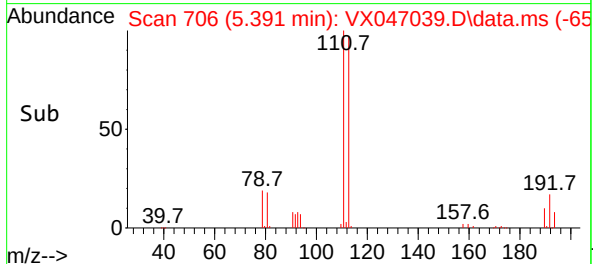
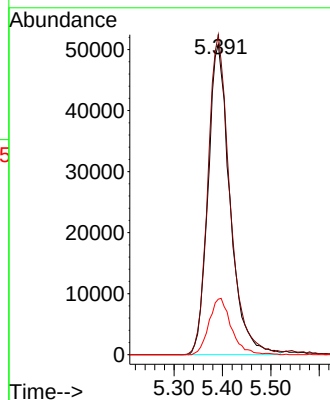
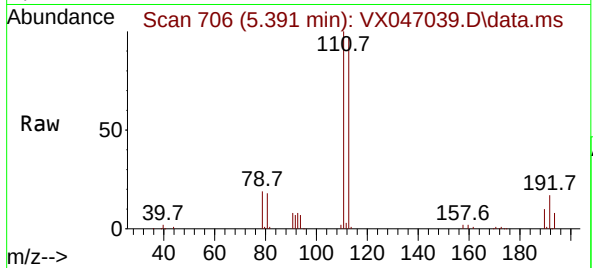




#35
Dibromofluoromethane
Concen: 47.889 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

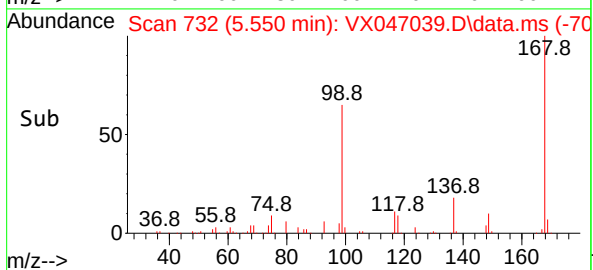
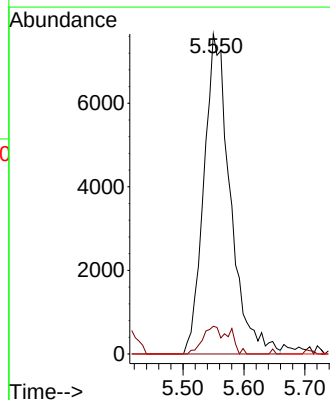
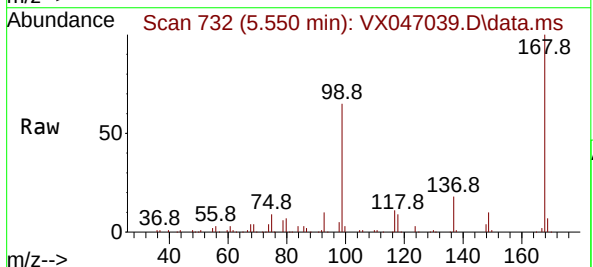
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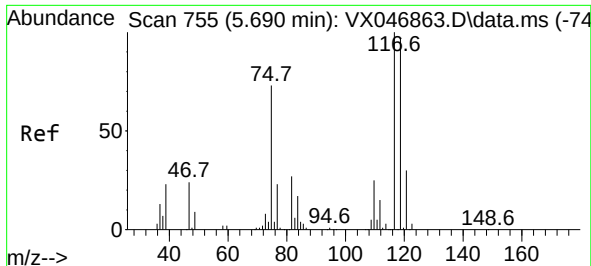
Tgt Ion:113 Resp: 159734
Ion Ratio Lower Upper
113 100
111 103.7 81.2 121.8
192 18.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.153 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

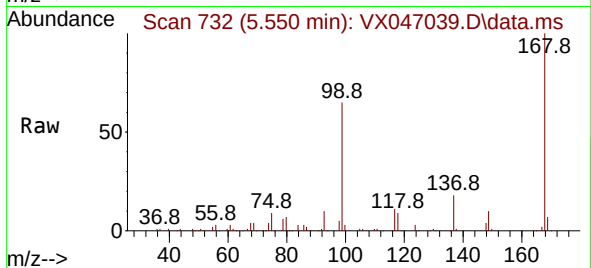
Tgt Ion: 75 Resp: 22957
Ion Ratio Lower Upper
75 100
110 7.0 17.3 51.9#
77 0.0 24.2 36.4#



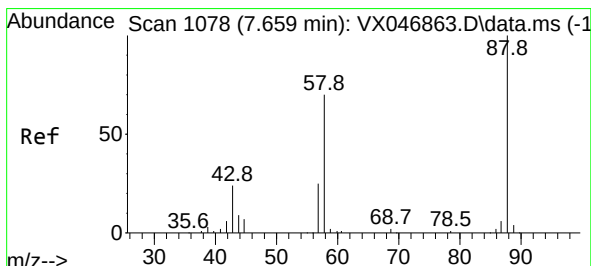
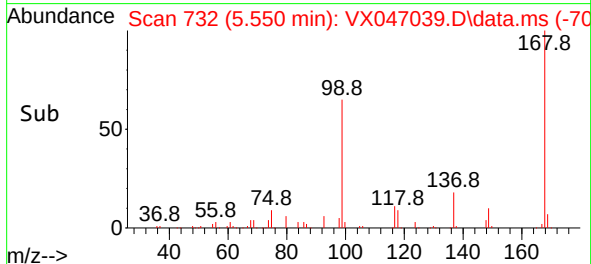
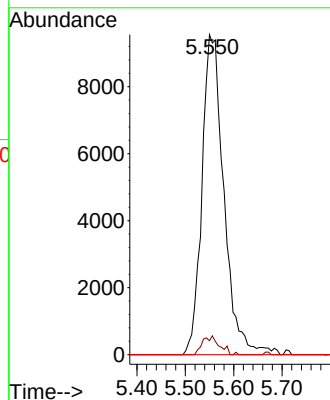


#38
Carbon Tetrachloride
Concen: 6.330 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

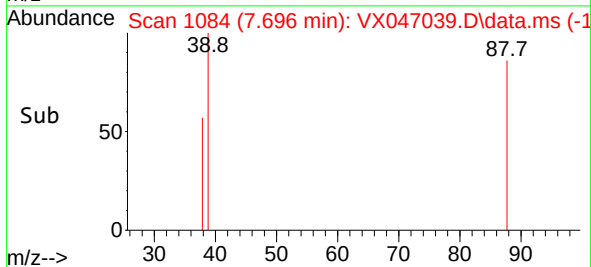
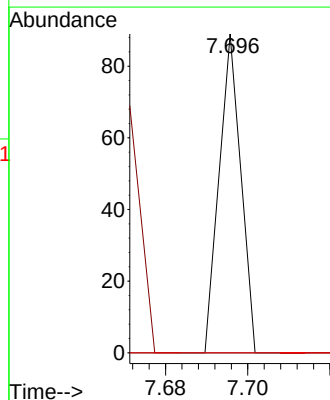
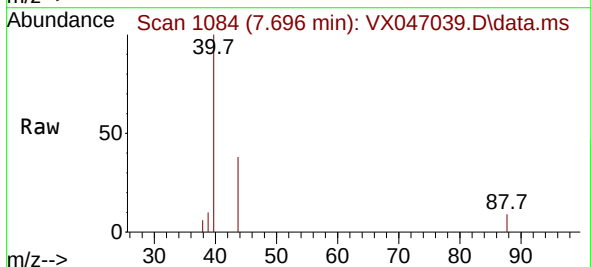


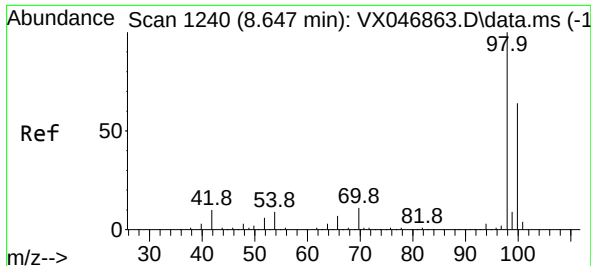
Tgt Ion:117 Resp: 30116
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.1 36.1#



#49
1,4-Dioxane
Concen: 0.939 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.036 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 0.0 31.7 47.5#
58 0.0 57.5 86.3#

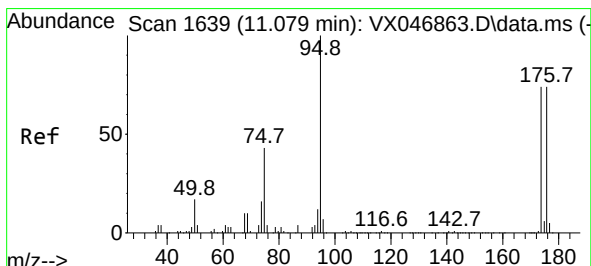
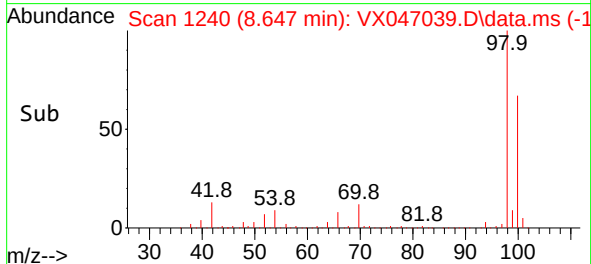
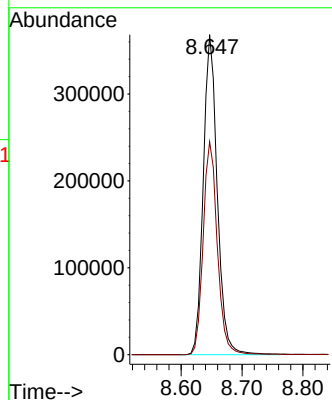
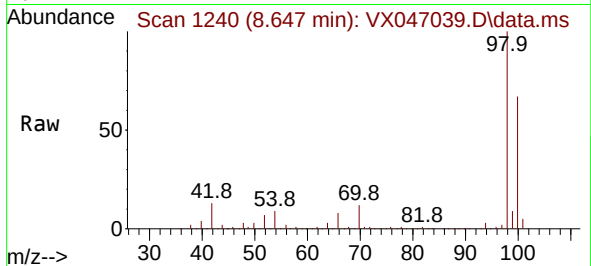




#50
Toluene-d8
Concen: 50.044 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

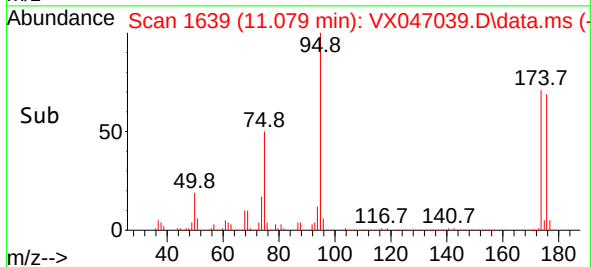
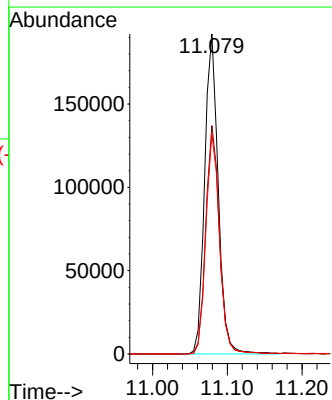
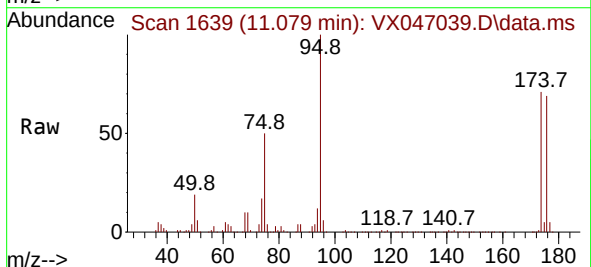
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

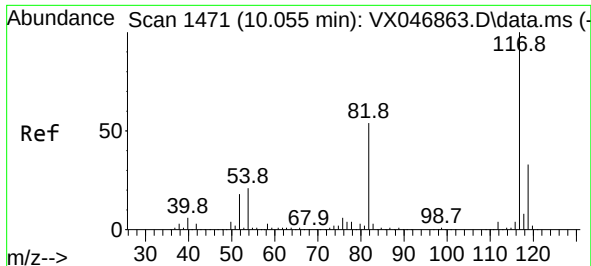
Tgt Ion: 98 Resp: 588943
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 54.048 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 95 Resp: 241737
Ion Ratio Lower Upper
95 100
174 72.1 0.0 152.0
176 69.4 0.0 145.2

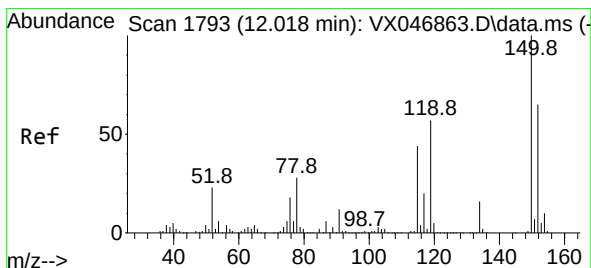
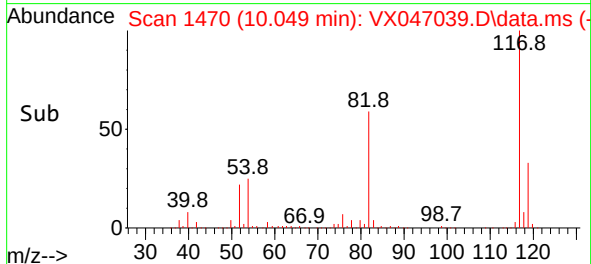
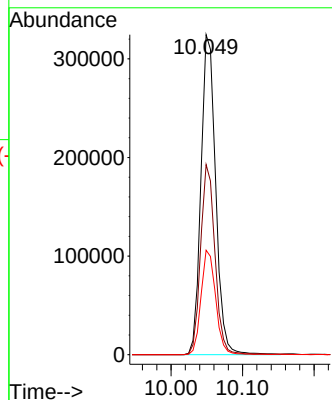
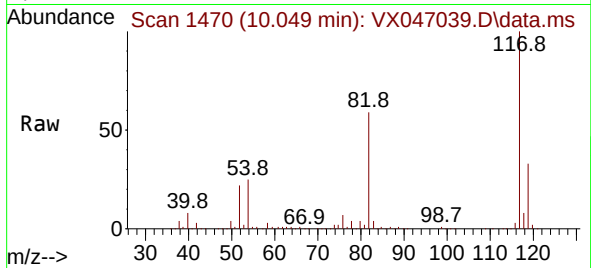




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

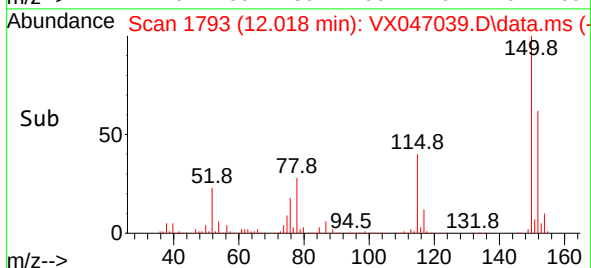
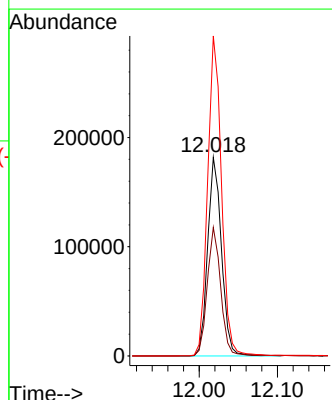
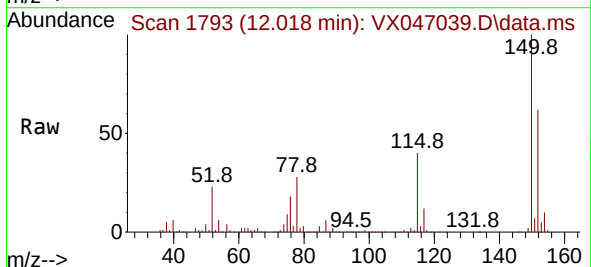
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

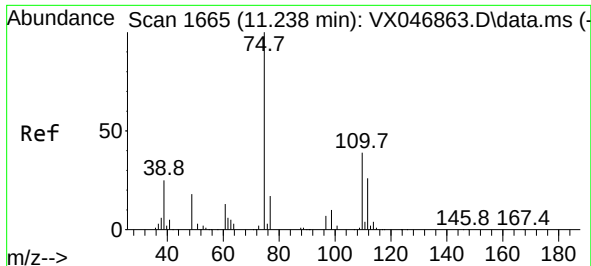
Tgt Ion:117 Resp: 464233
Ion Ratio Lower Upper
117 100
82 59.4 43.3 64.9
119 32.6 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion:152 Resp: 222998
Ion Ratio Lower Upper
152 100
115 62.7 42.4 127.1
150 162.5 0.0 349.2

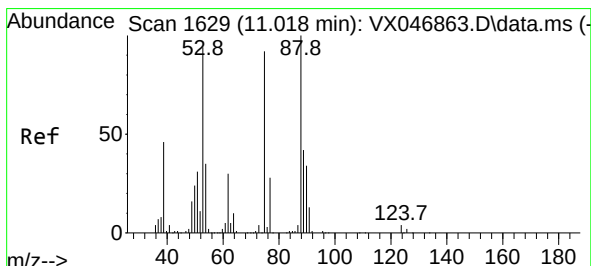
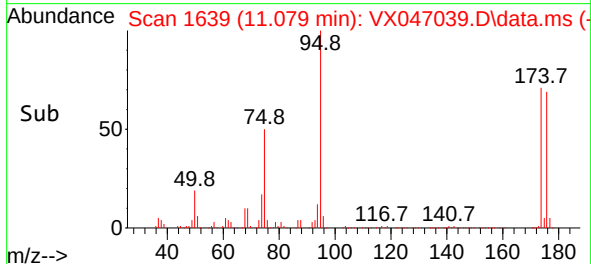
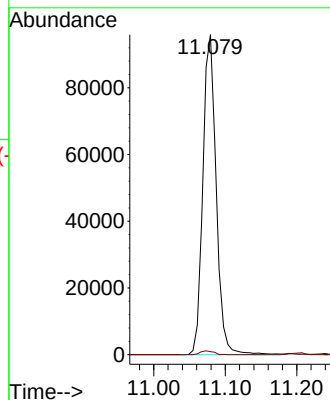
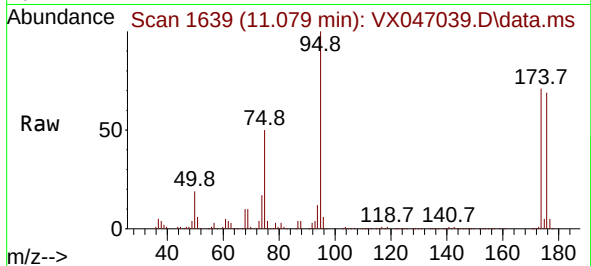




#76
1,2,3-Trichloropropane
Concen: 36.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

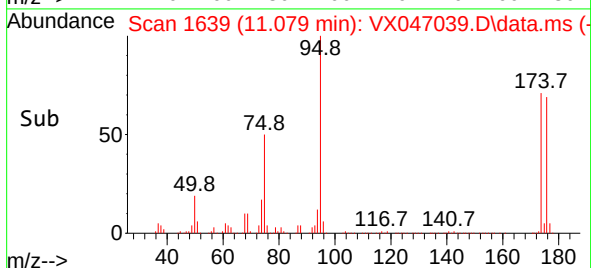
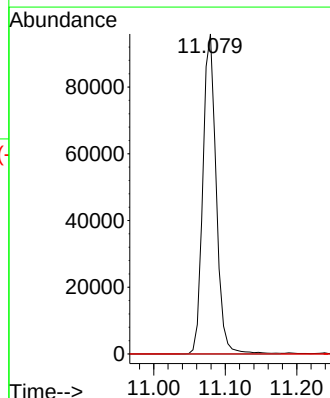
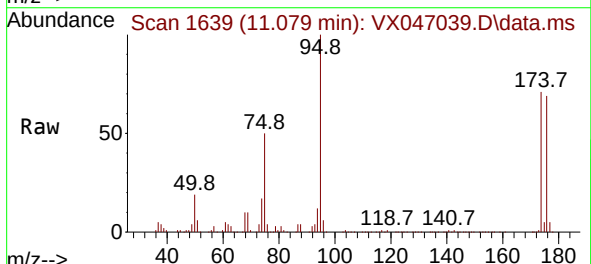
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

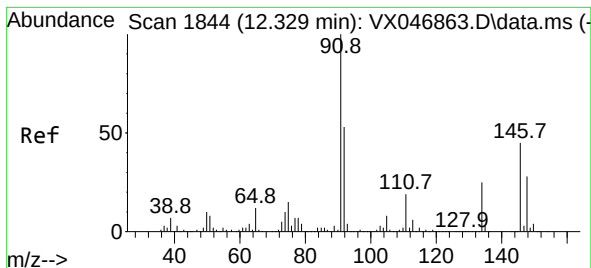
Tgt Ion: 75 Resp: 124242
Ion Ratio Lower Upper
75 100
77 1.2 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

Tgt Ion: 75 Resp: 124242
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#





#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.012 min

Lab File: VX047039.D

Acq: 18 Jul 2025 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBL01

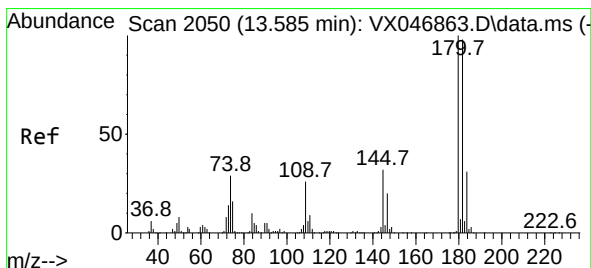
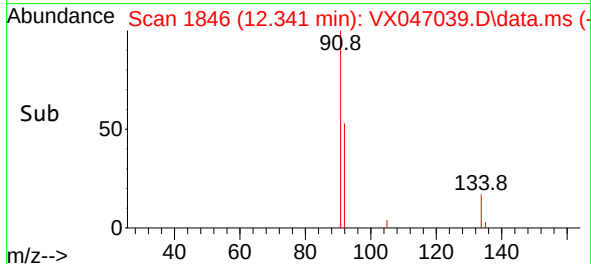
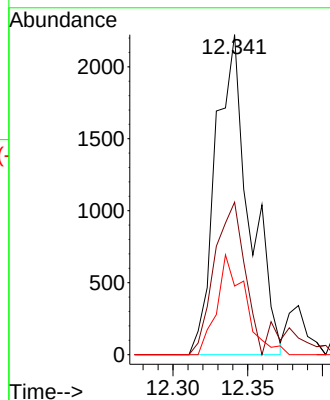
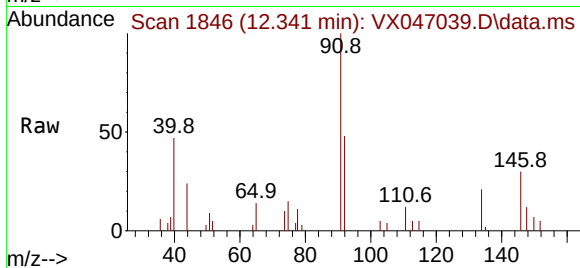
Tgt Ion: 91 Resp: 3494

Ion Ratio Lower Upper

91 100

92 42.6 27.0 81.0

134 26.2 12.8 38.4



#93

1,2,4-Trichlorobenzene

Concen: 0.340 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX047039.D

Acq: 18 Jul 2025 10:58

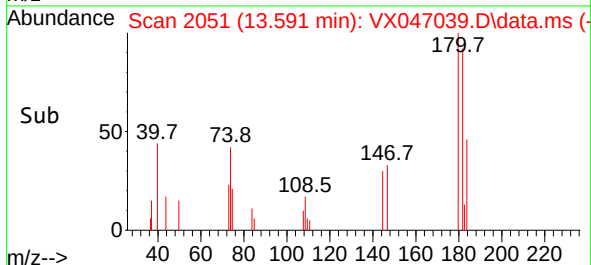
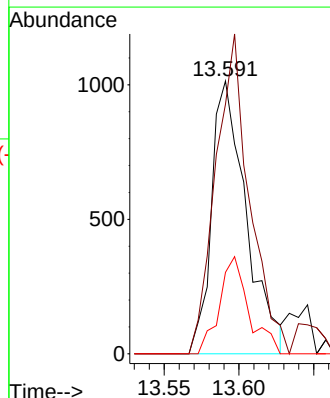
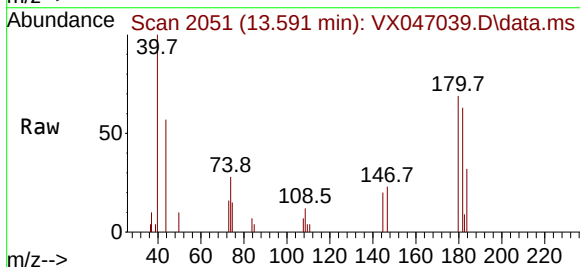
Tgt Ion: 180 Resp: 1636

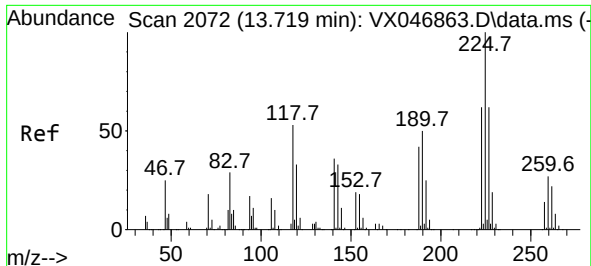
Ion Ratio Lower Upper

180 100

182 114.4 47.3 141.9

145 30.1 16.1 48.2

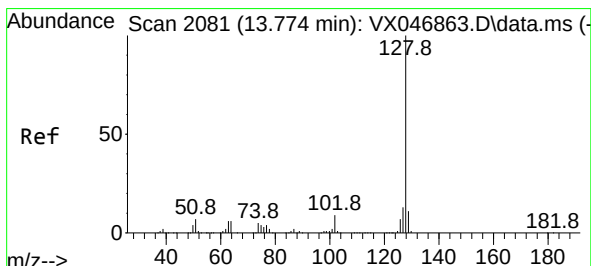
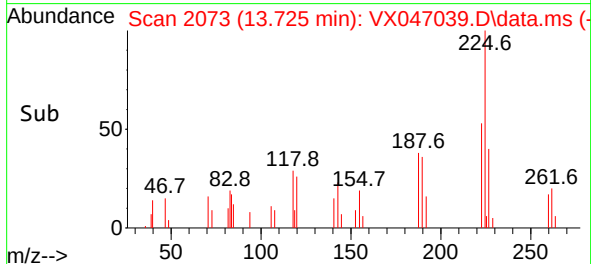
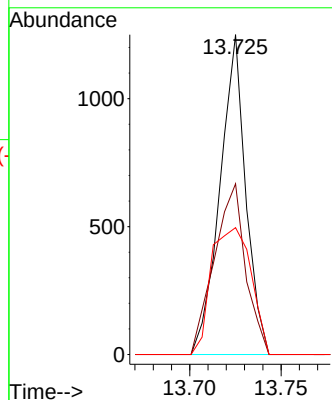
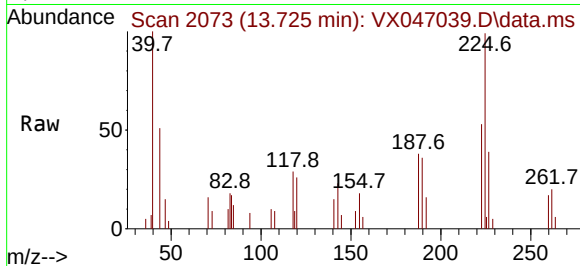




#94
Hexachlorobutadiene
Concen: 0.678 ug/l
RT: 13.725 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

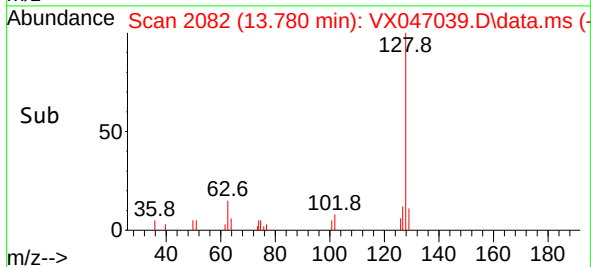
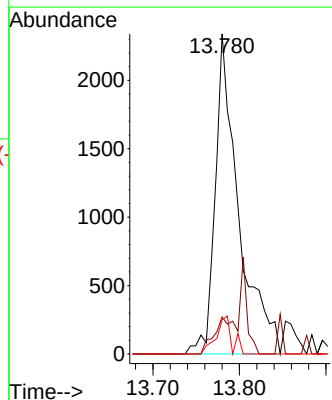
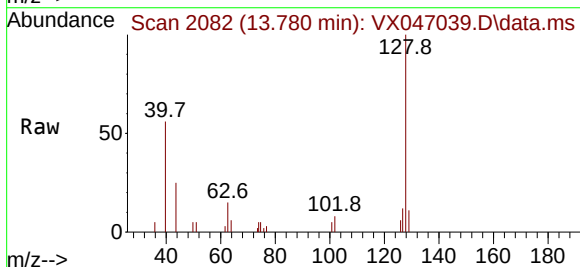
Instrument :
MSVOA_X
ClientSampleId :
VX0718MBL01

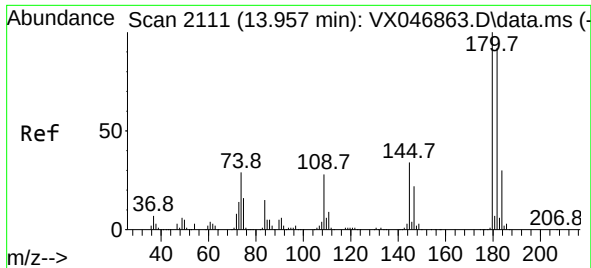
Tgt Ion:	225	Resp:	1229
Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.7
227	61.2	31.6	94.7



#95
Naphthalene
Concen: 0.347 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047039.D
Acq: 18 Jul 2025 10:58

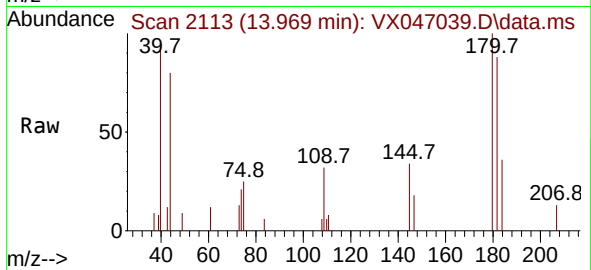
Tgt Ion:	128	Resp:	4395
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.2	15.4#
129	7.8	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VX047039.D
 Acq: 18 Jul 2025 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBL01



Tgt Ion:180 Resp: 1629

Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.7	140.1
145	31.4	16.8	50.3

