

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046809.D
 Acq On : 23 Jun 2025 11:01
 Operator : JC/MD
 Sample : Q2355-01
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3897

Quant Time: Jun 24 04:02:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

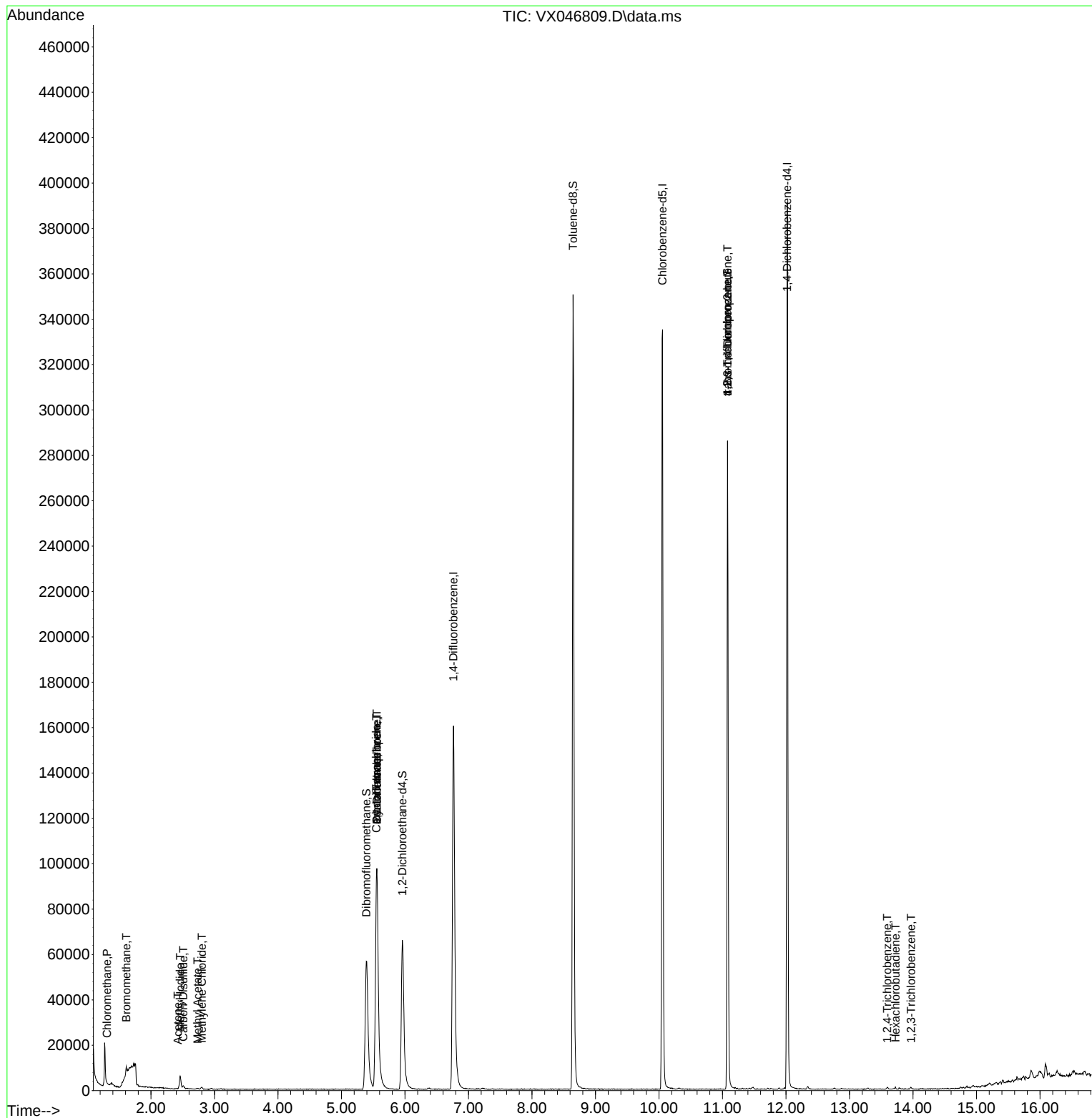
Internal Standards						
1) Pentafluorobenzene	5.556	168	104858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181206	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70070	48.312	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.620%
35) Dibromofluoromethane	5.391	113	57671	48.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.200%
50) Toluene-d8	8.647	98	217054	50.391	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	79651	49.606	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	307	0.254	ug/l #	74
5) Bromomethane	1.612	94	1493	2.059	ug/l	91
10) Methyl Iodide	2.459	142	6581	8.334	ug/l	100
16) Acetone	2.422	43	443	0.916	ug/l #	44
17) Carbon Disulfide	2.508	76	1602	0.458	ug/l	100
18) Methyl Acetate	2.733	43	595	0.484	ug/l #	65
20) Methylene Chloride	2.800	84	380	0.283	ug/l #	86
31) Cyclohexane	5.556	56	2042	0.940	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8306	4.799	ug/l #	49
38) Carbon Tetrachloride	5.550	117	10629	5.659	ug/l #	19
76) 1,2,3-Trichloropropane	11.079	75	39810	27.477	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	39810	77.666	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	519	0.286	ug/l #	74
94) Hexachlorobutadiene	13.725	225	221	0.289	ug/l	88
96) 1,2,3-Trichlorobenzene	13.969	180	468	0.269	ug/l #	86

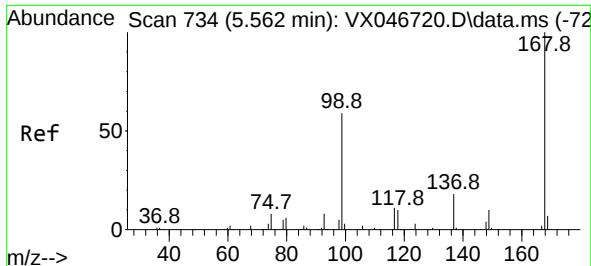
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046809.D
Acq On : 23 Jun 2025 11:01
Operator : JC/MD
Sample : Q2355-01
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
3897

Quant Time: Jun 24 04:02:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

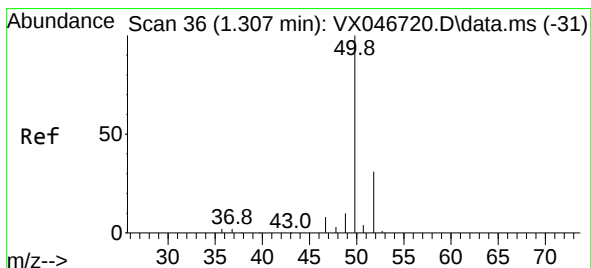
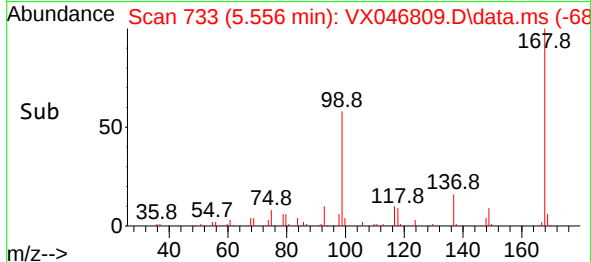
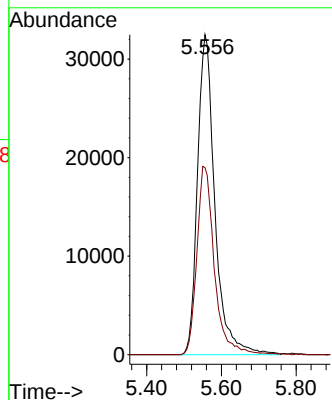
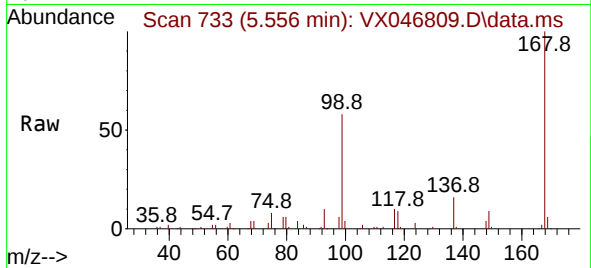




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

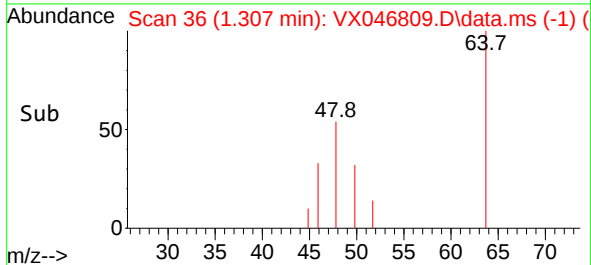
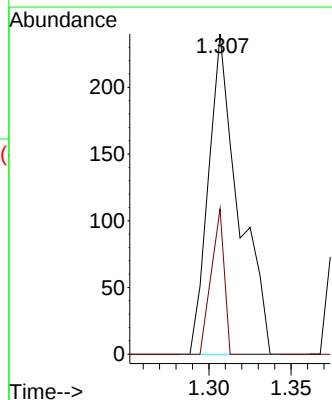
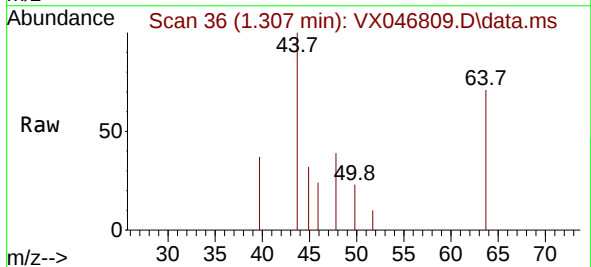
Instrument :
MSVOA_X
ClientSampleId :
3897

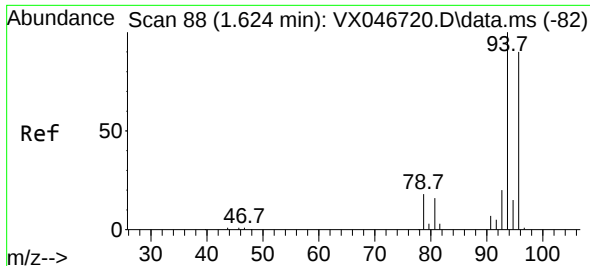
Tgt Ion:168 Resp: 104858
Ion Ratio Lower Upper
168 100
99 58.5 48.5 72.7



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 45.4 24.9 37.3#

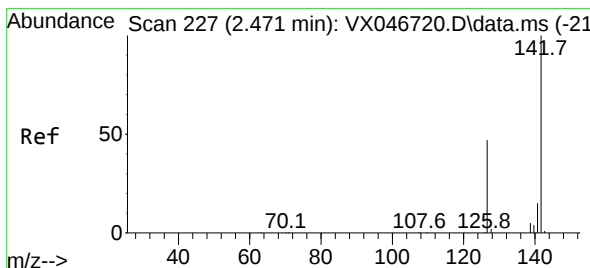
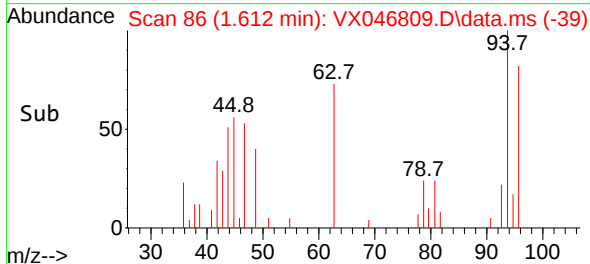
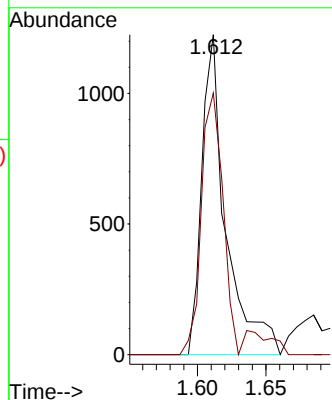
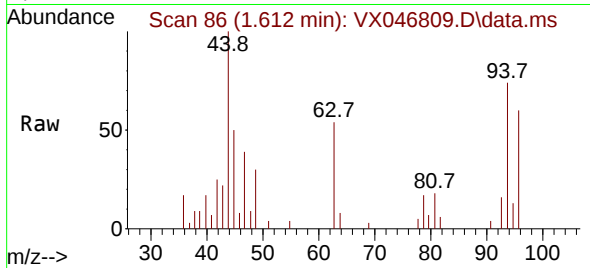




#5
Bromomethane
Concen: 2.059 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.012 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

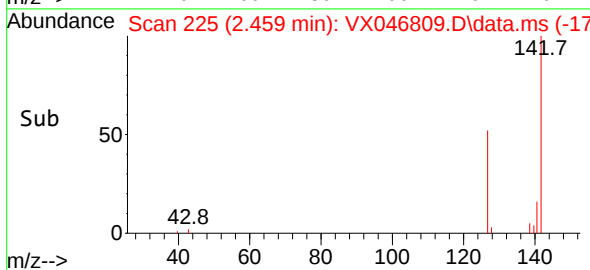
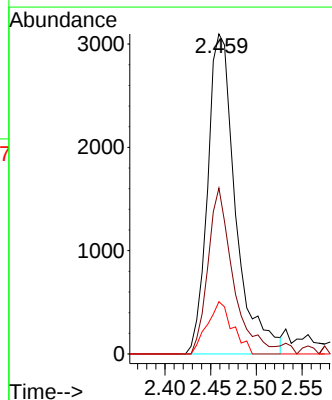
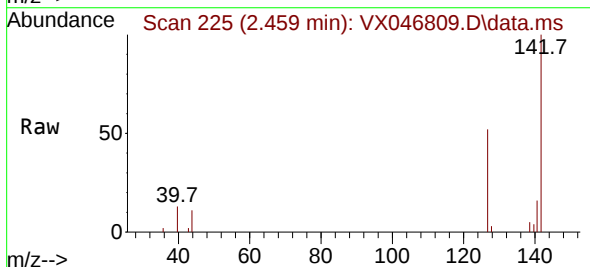
Instrument :
MSVOA_X
ClientSampleId :
3897

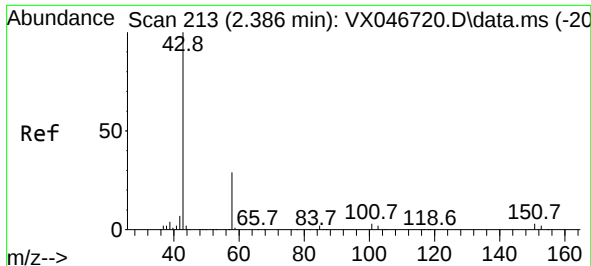
Tgt Ion: 94 Resp: 1493
Ion Ratio Lower Upper
94 100
96 81.8 72.3 108.5



#10
Methyl Iodide
Concen: 8.334 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.012 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 142 Resp: 6581
Ion Ratio Lower Upper
142 100
127 46.4 37.0 55.6
141 14.9 11.5 17.3

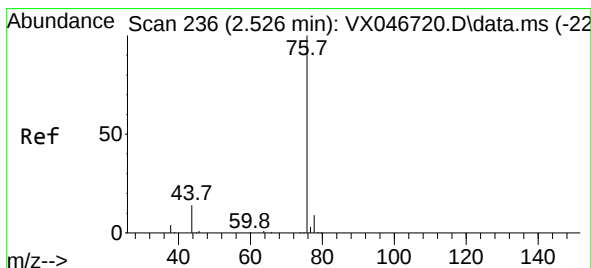
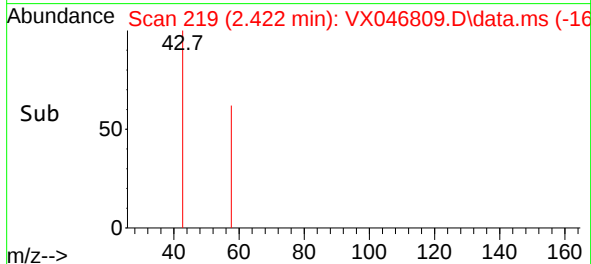
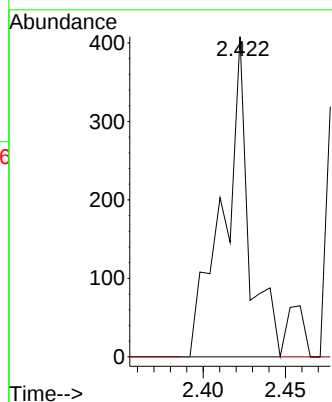
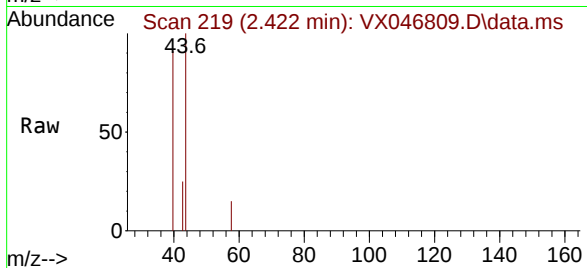




#16
Acetone
Concen: 0.916 ug/l
RT: 2.422 min Scan# 213
Delta R.T. 0.037 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

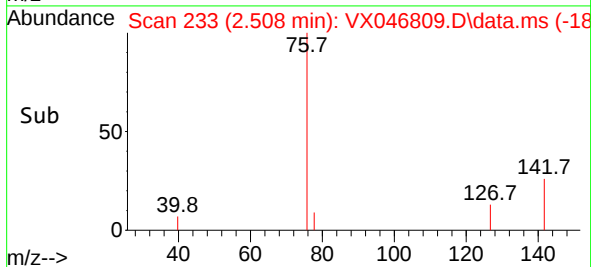
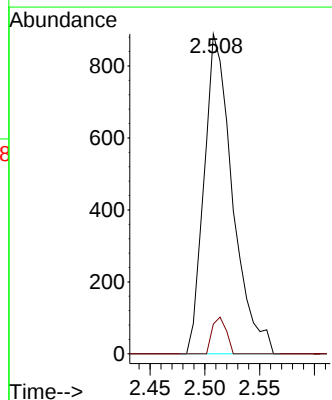
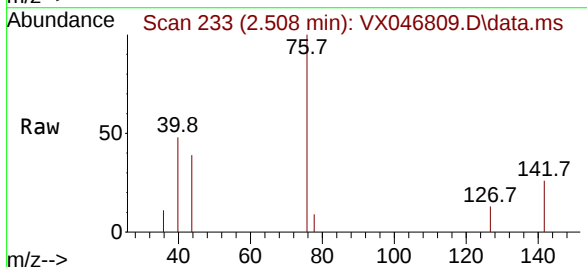
Instrument :
MSVOA_X
ClientSampleId :
3897

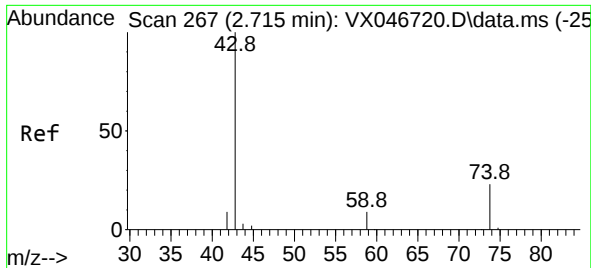
Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#17
Carbon Disulfide
Concen: 0.458 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.018 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 76 Resp: 1602
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

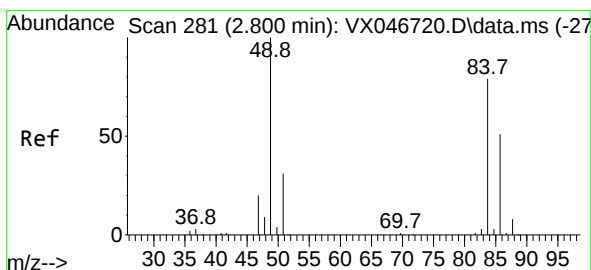
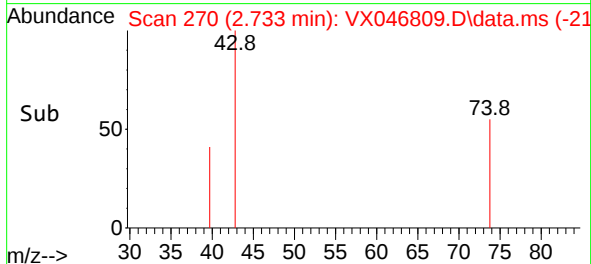
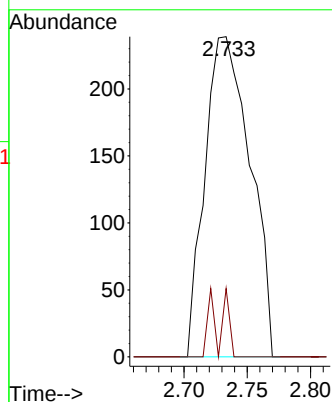
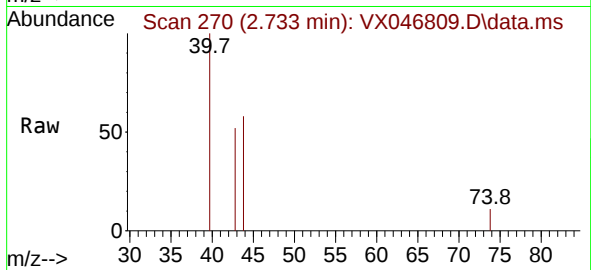




#18
Methyl Acetate
Concen: 0.484 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

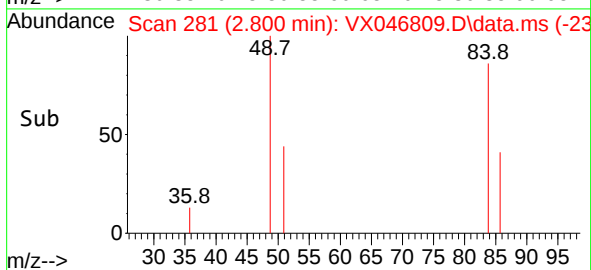
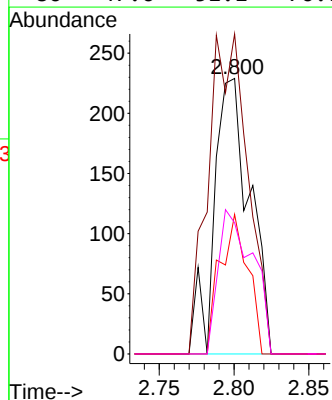
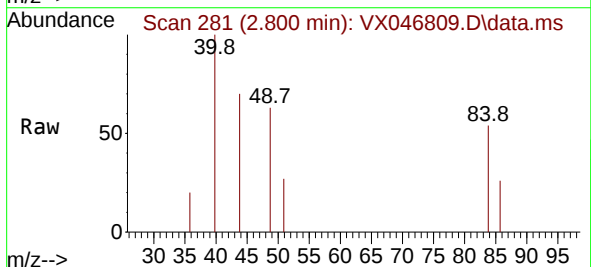
Instrument :
MSVOA_X
ClientSampleId :
3897

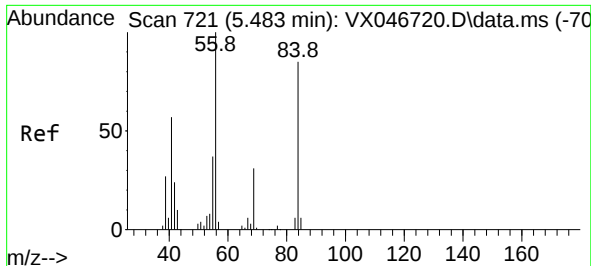
Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
74 6.2 18.4 27.6#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 84 Resp: 380
Ion Ratio Lower Upper
84 100
49 116.2 101.3 151.9
51 50.7 31.0 46.6#
86 47.6 51.1 76.7#

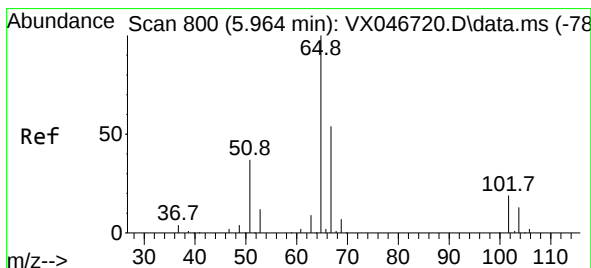
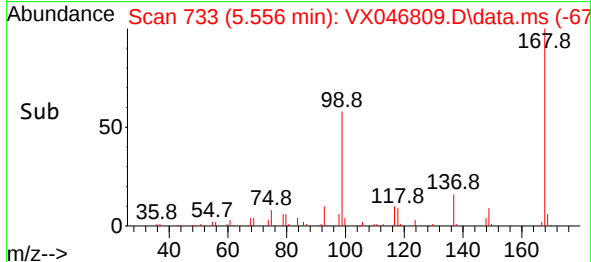
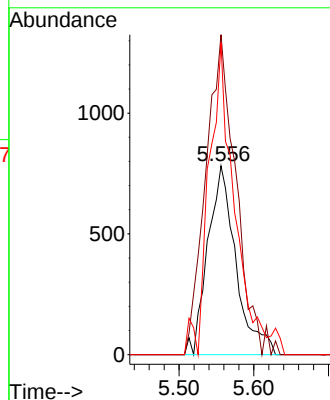
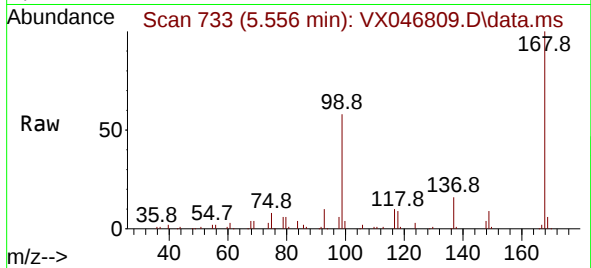




#31
Cyclohexane
Concen: 0.940 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

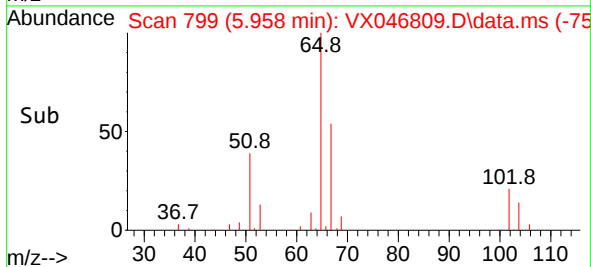
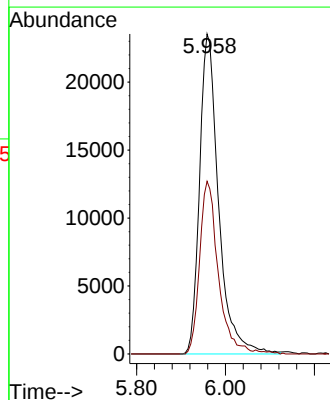
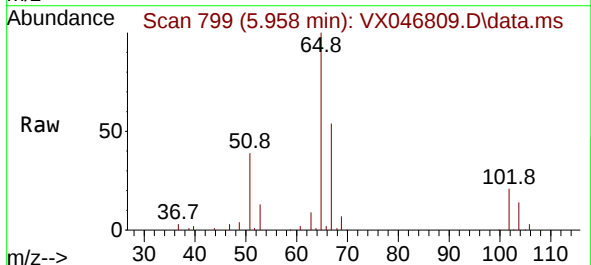
Instrument :
MSVOA_X
ClientSampleId :
3897

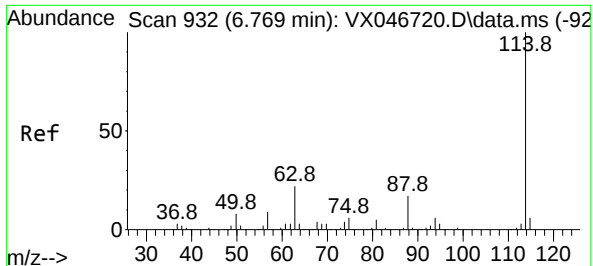
Tgt Ion: 56 Resp: 2042
Ion Ratio Lower Upper
56 100
69 169.4 24.8 37.2#
84 165.2 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 48.312 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 65 Resp: 70070
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4

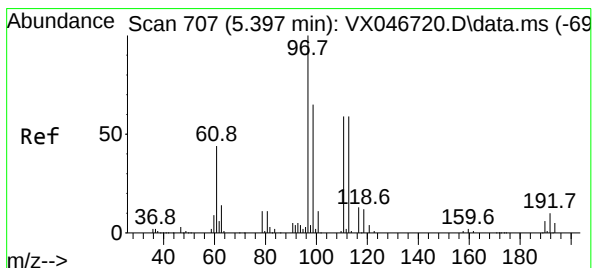
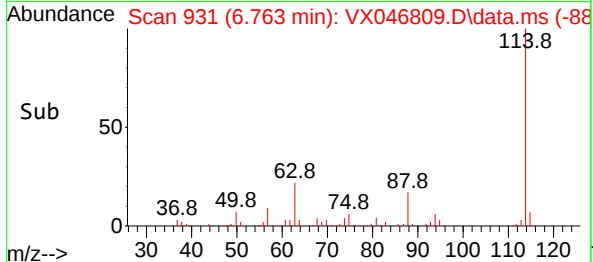
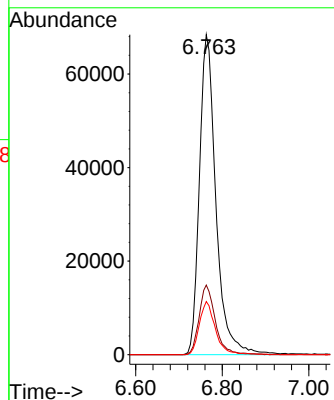
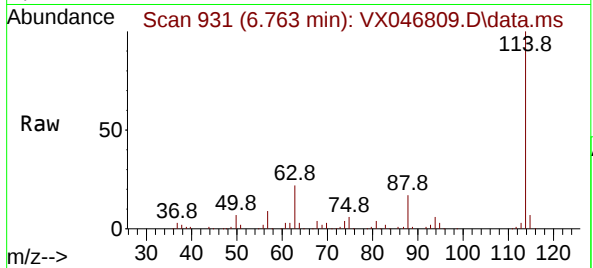




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

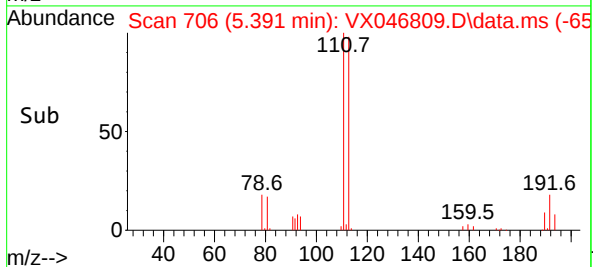
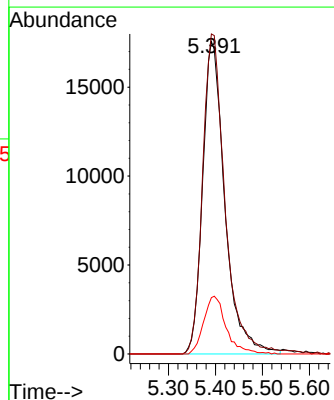
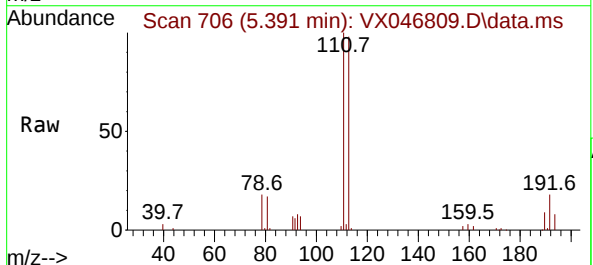
Instrument :
MSVOA_X
ClientSampleId :
3897

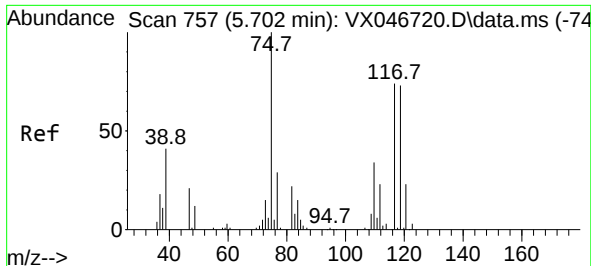
Tgt Ion:114 Resp: 181206
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.2
88 16.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.103 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion:113 Resp: 57671
Ion Ratio Lower Upper
113 100
111 103.7 82.0 123.0
192 18.7 15.3 22.9

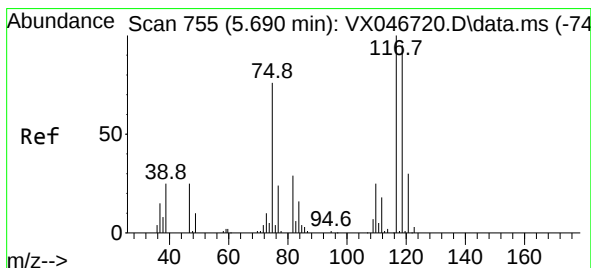
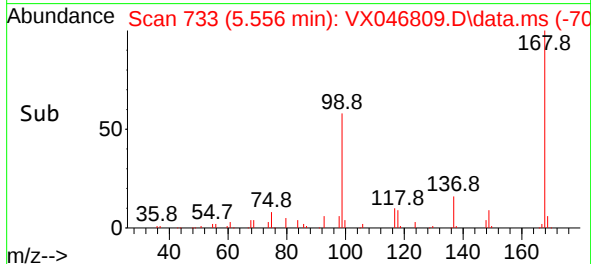
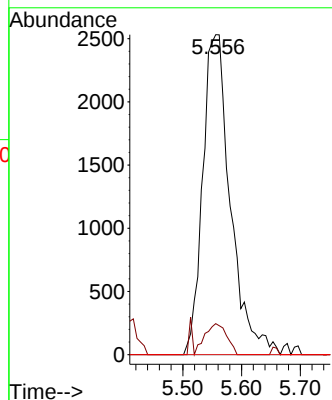
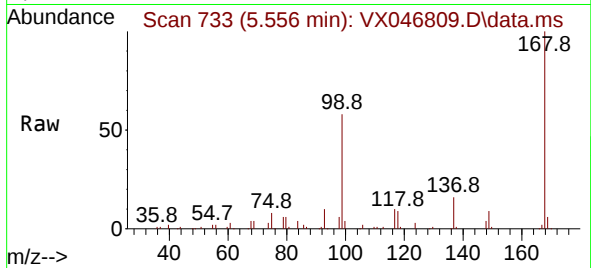




#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

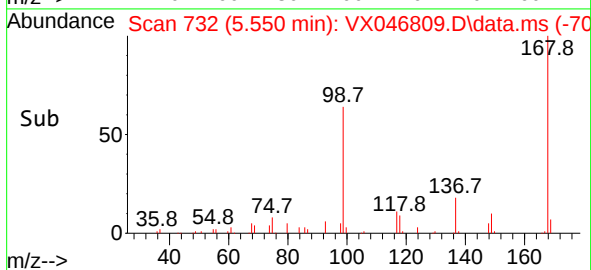
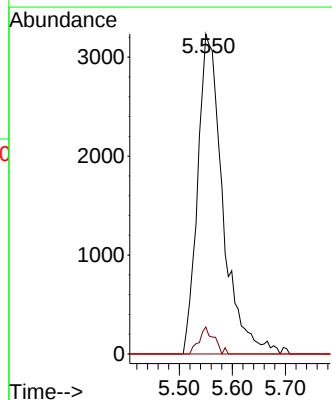
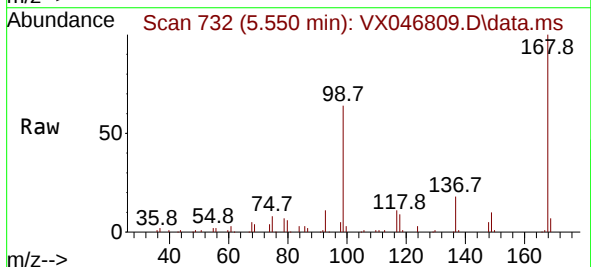
Instrument :
MSVOA_X
ClientSampleId :
3897

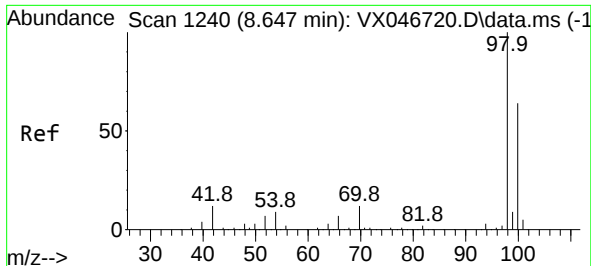
Tgt Ion: 75 Resp: 8306
Ion Ratio Lower Upper
75 100
110 7.3 17.2 51.5#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 117 Resp: 10629
Ion Ratio Lower Upper
117 100
119 8.5 75.2 112.8#
121 0.0 24.1 36.1#

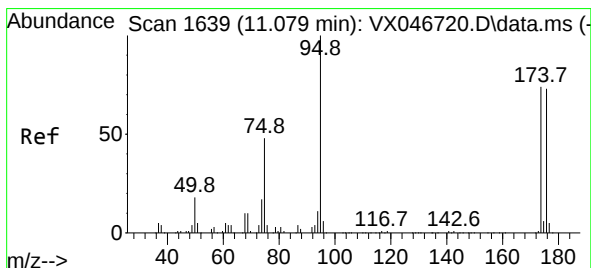
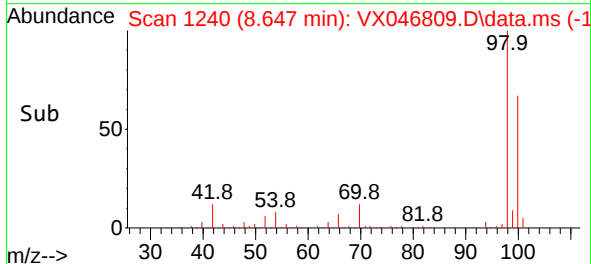
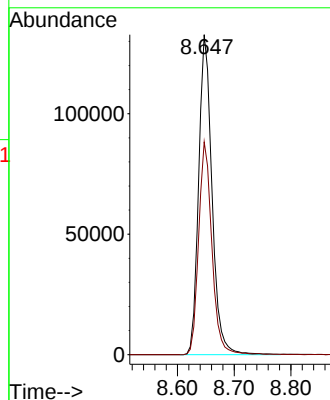
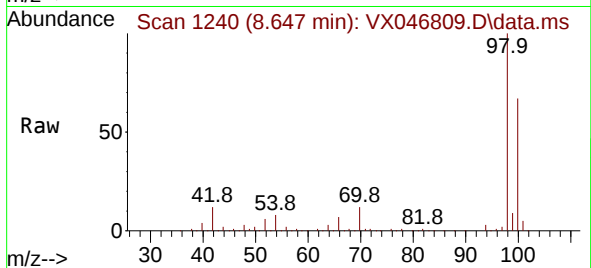




#50
Toluene-d8
Concen: 50.391 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

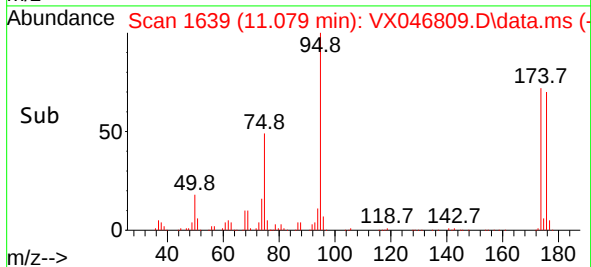
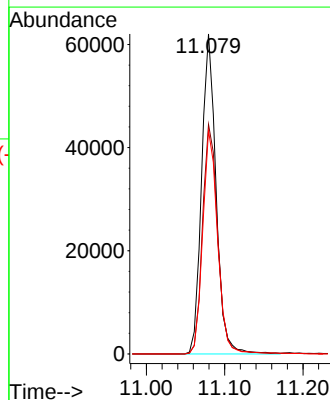
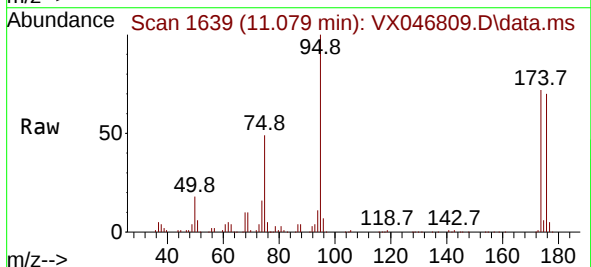
Instrument :
MSVOA_X
ClientSampleId :
3897

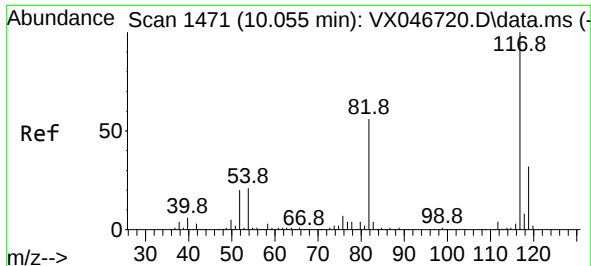
Tgt Ion: 98 Resp: 217054
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.606 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046809.D
Acq: 23 Jun 2025 11:01

Tgt Ion: 95 Resp: 79651
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 72.0 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

3897

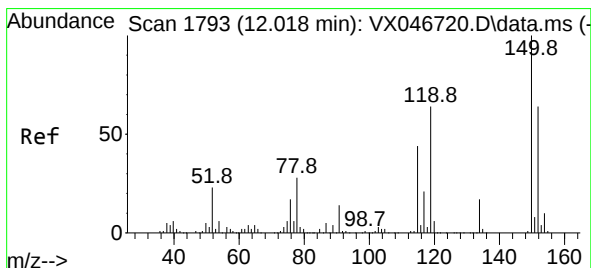
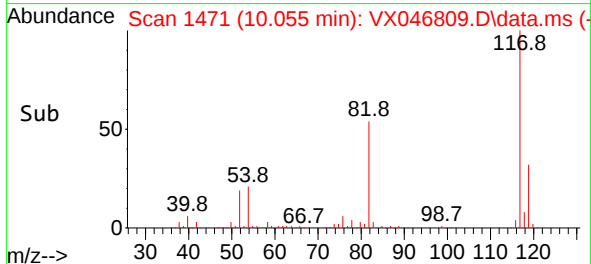
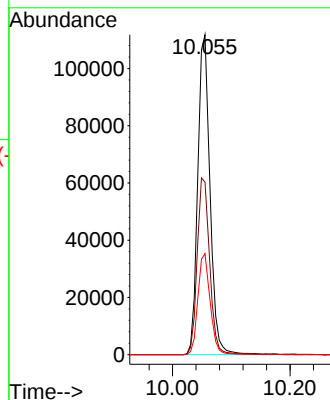
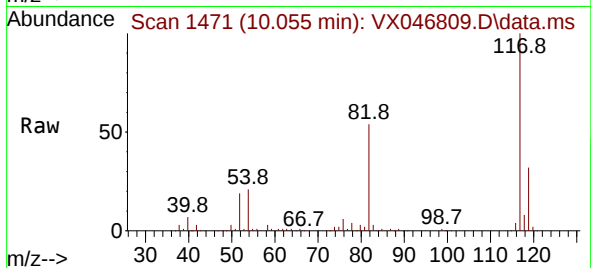
Tgt Ion:117 Resp: 162341

Ion Ratio Lower Upper

117 100

82 53.9 44.6 66.8

119 31.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

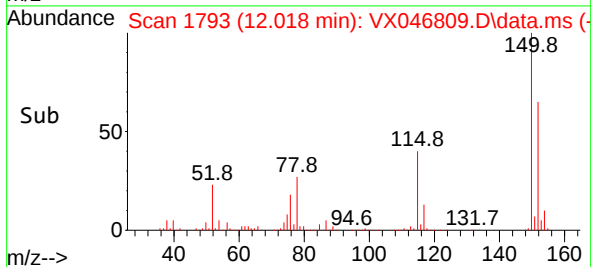
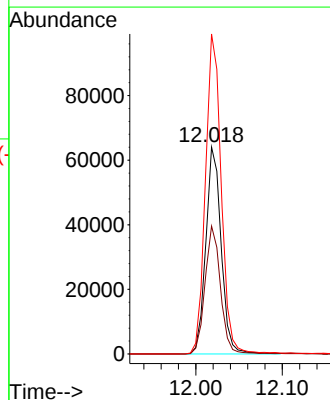
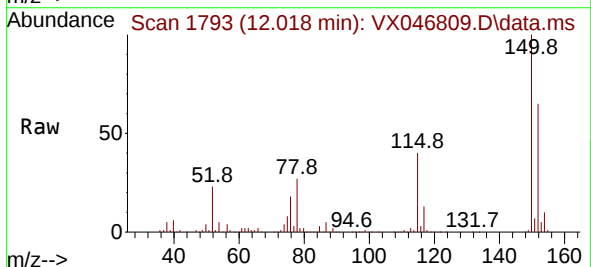
Tgt Ion:152 Resp: 79106

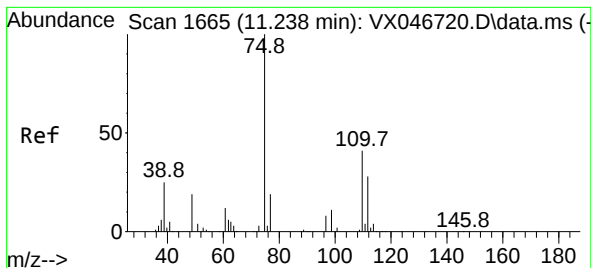
Ion Ratio Lower Upper

152 100

115 61.8 43.2 129.6

150 158.8 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 27.477 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

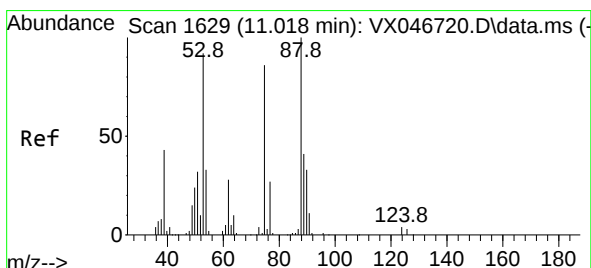
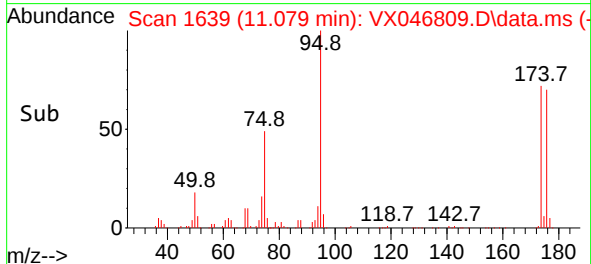
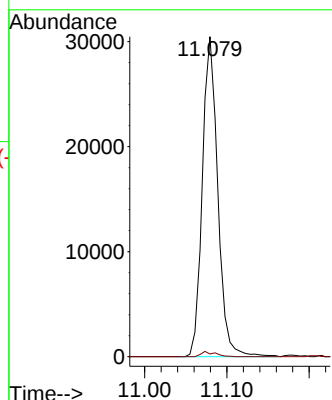
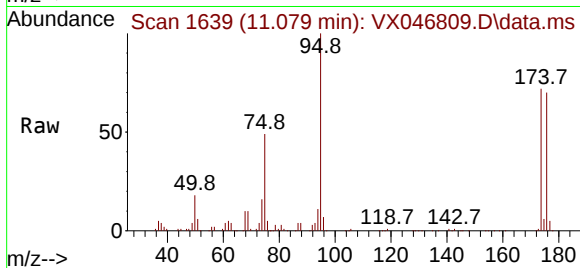
3897

Tgt Ion: 75 Resp: 39810

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.666 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

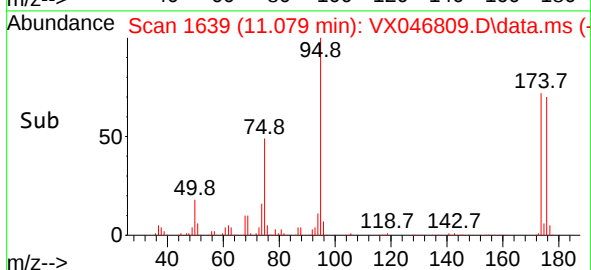
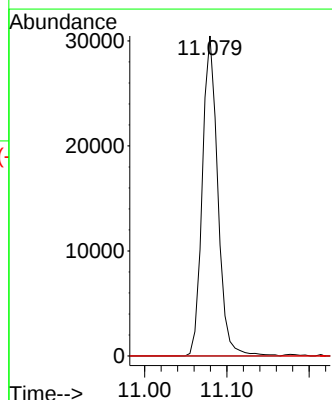
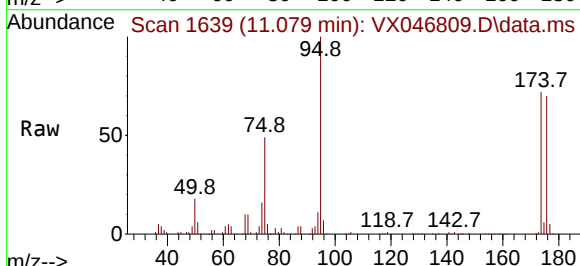
Tgt Ion: 75 Resp: 39810

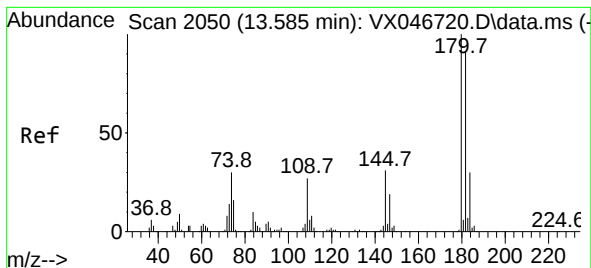
Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.286 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

3897

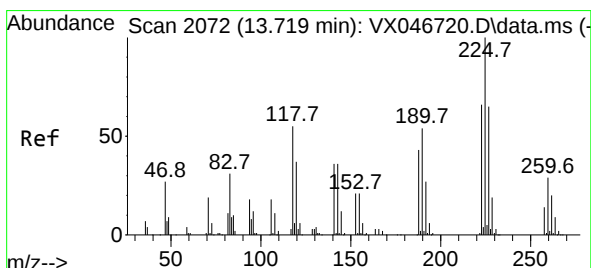
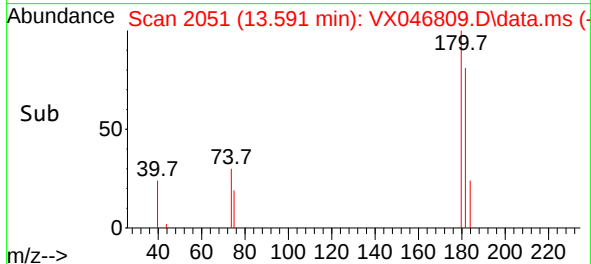
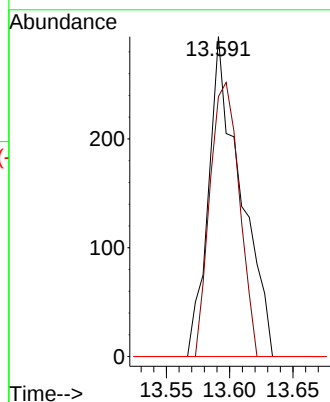
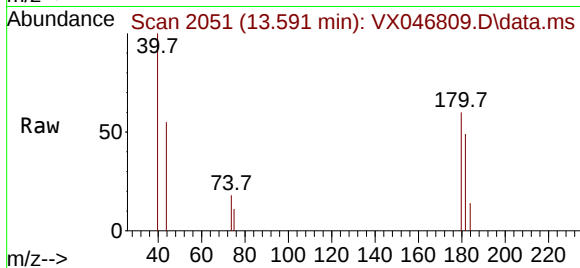
Tgt Ion:180 Resp: 519

Ion Ratio Lower Upper

180 100

182 78.2 46.7 140.1

145 0.0 15.8 47.4#



#94

Hexachlorobutadiene

Concen: 0.289 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046809.D

Acq: 23 Jun 2025 11:01

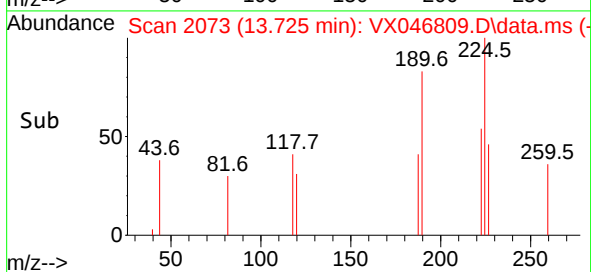
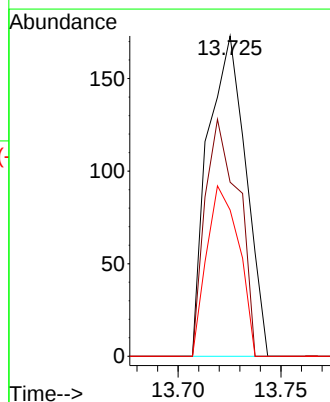
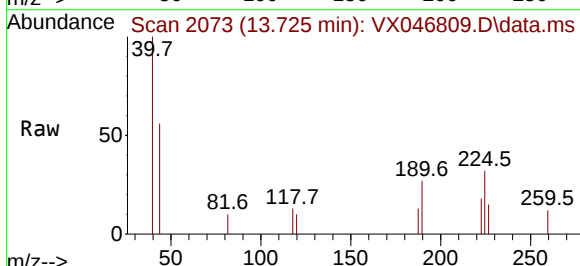
Tgt Ion:225 Resp: 221

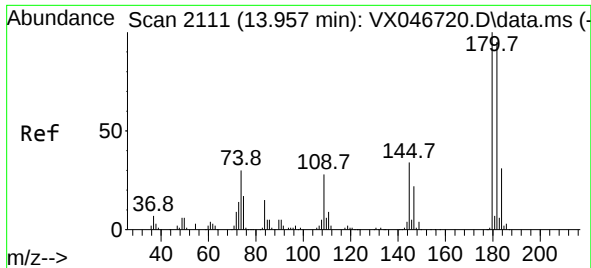
Ion Ratio Lower Upper

225 100

223 65.6 32.5 97.5

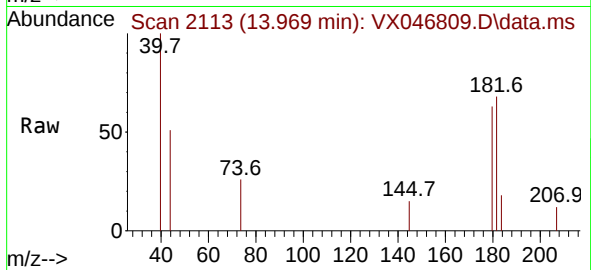
227 45.7 32.2 96.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.269 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.012 min
 Lab File: VX046809.D
 Acq: 23 Jun 2025 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 3897



Tgt Ion:180 Resp: 468
 Ion Ratio Lower Upper
 180 100
 182 100.4 47.8 143.4
 145 12.8 17.3 51.9#

