

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046805.D
 Acq On : 23 Jun 2025 09:31
 Operator : JC/MD
 Sample : VX0623MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0623MBL01

Quant Time: Jun 24 03:59:20 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)

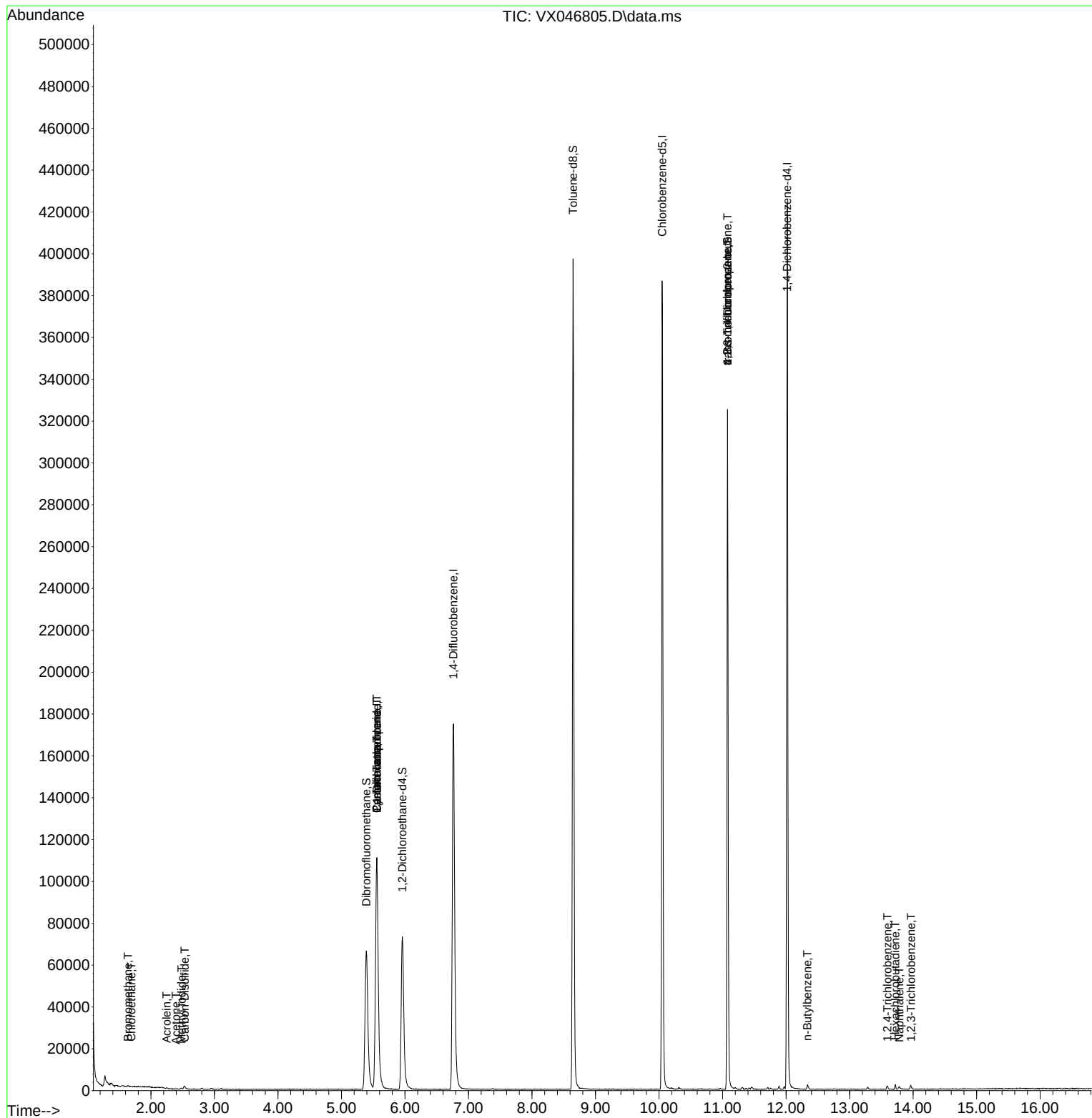
Internal Standards						
1) Pentafluorobenzene	5.556	168	114433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77358	48.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.740%		
35) Dibromofluoromethane	5.391	113	65020	49.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	8.647	98	235745	49.938	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.880%		
62) 4-Bromofluorobenzene	11.079	95	87567	49.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.520%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	283	0.358	ug/l #	77
6) Chloroethane	1.691	64	176	0.207	ug/l #	41
10) Methyl Iodide	2.483	142	776	4.766	ug/l #	64
13) Acrolein	2.245	56	123	0.594	ug/l #	48
16) Acetone	2.392	43	392	0.743	ug/l #	44
17) Carbon Disulfide	2.532	76	1639	0.429	ug/l	96
31) Cyclohexane	5.556	56	2642	1.115	ug/l #	33
36) 1,1-Dichloropropene	5.556	75	9071	4.782	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11473	5.574	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	43797	27.602	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	43797	78.019	ug/l #	7
89) n-Butylbenzene	12.335	91	1187	0.216	ug/l	89
93) 1,2,4-Trichlorobenzene	13.597	180	674	0.339	ug/l	95
94) Hexachlorobutadiene	13.719	225	357	0.427	ug/l	84
95) Naphthalene	13.786	128	1365	0.241	ug/l #	78
96) 1,2,3-Trichlorobenzene	13.969	180	748	0.393	ug/l	89

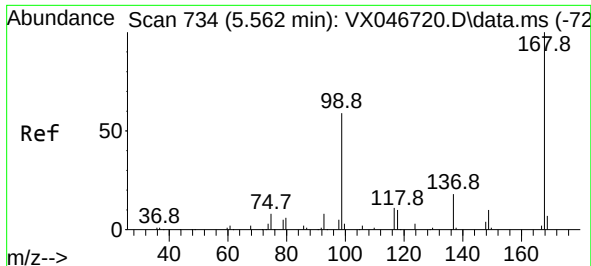
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 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

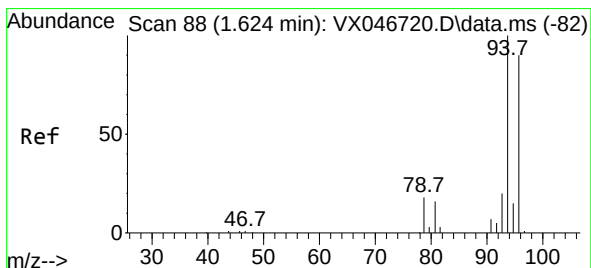
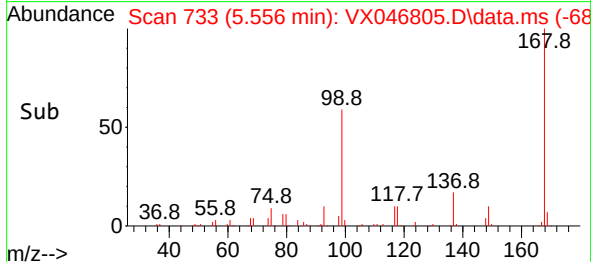
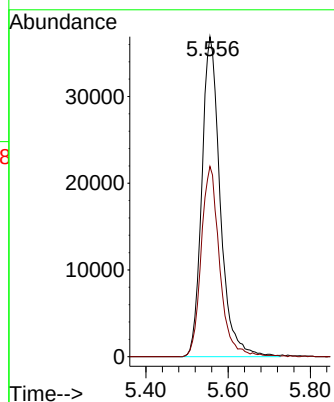
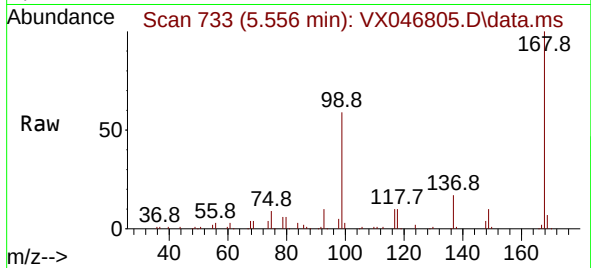




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

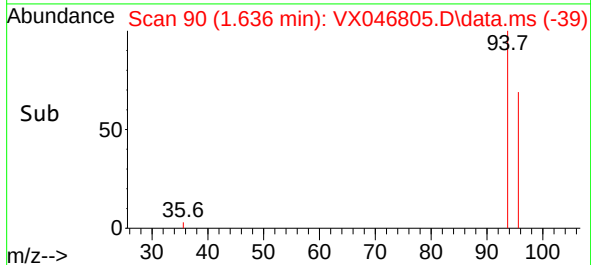
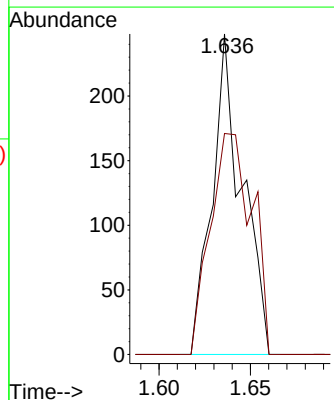
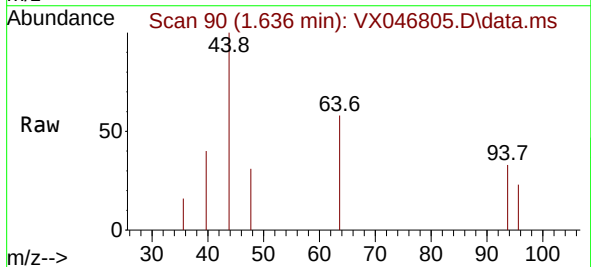
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

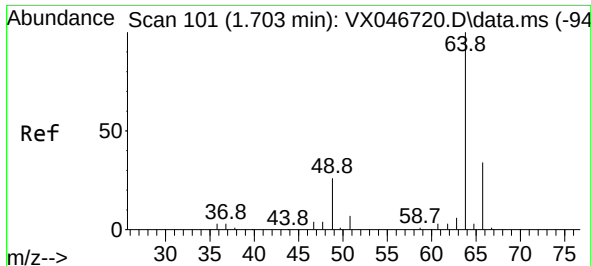
Tgt Ion:168 Resp: 114433
Ion Ratio Lower Upper
168 100
99 59.5 48.5 72.7



#5
Bromomethane
Concen: 0.358 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 69.0 72.3 108.5#

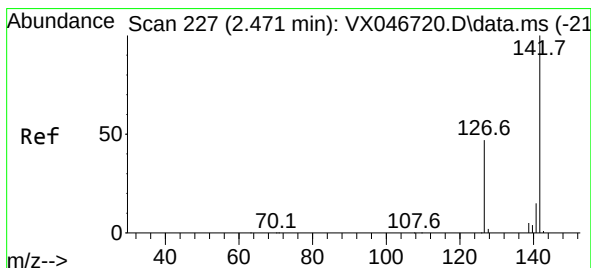
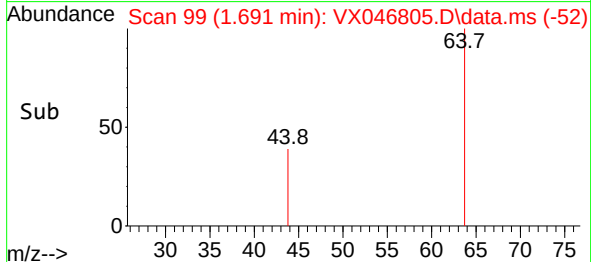
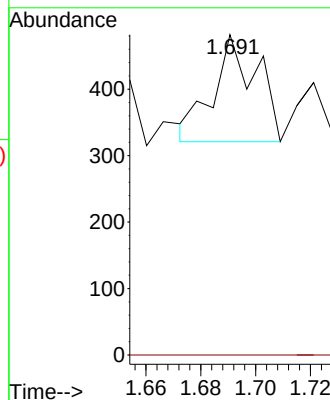
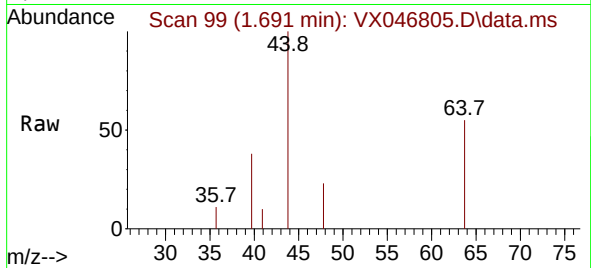




#6
Chloroethane
Concen: 0.207 ug/l
RT: 1.691 min Scan# 94
Delta R.T. -0.012 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

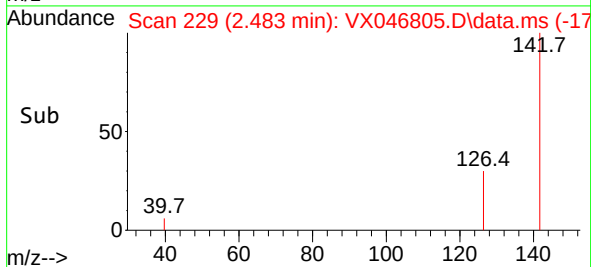
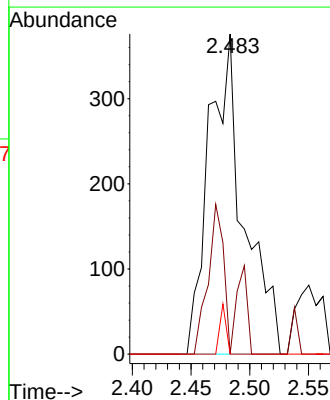
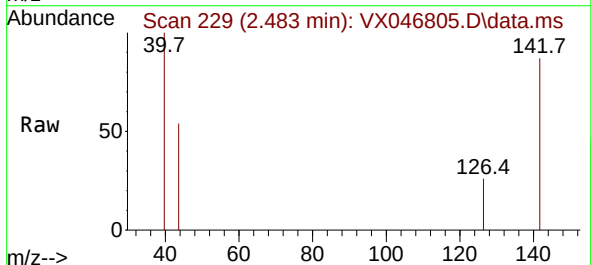
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

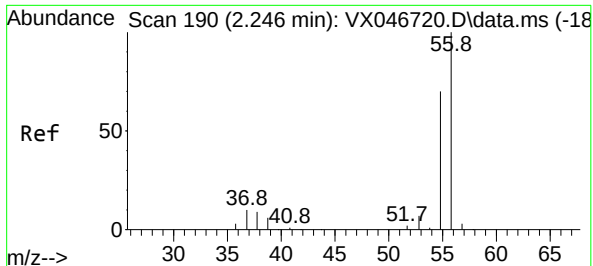
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#



#10
Methyl Iodide
Concen: 4.766 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
127 20.9 37.0 55.6#
141 2.8 11.5 17.3#

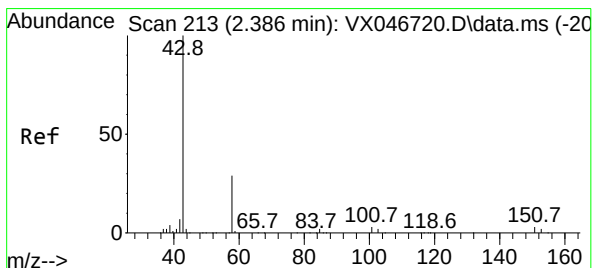
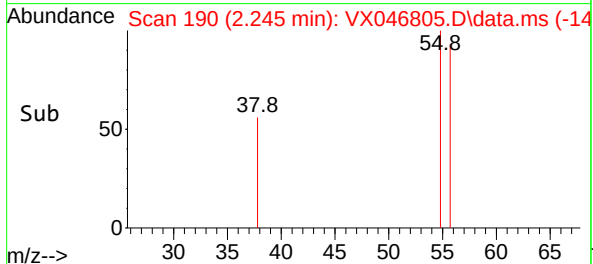
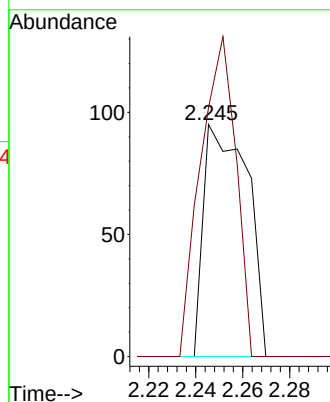
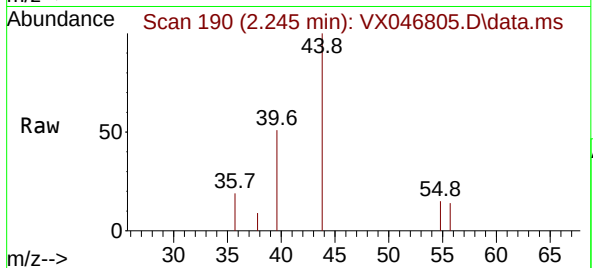




#13
Acrolein
Concen: 0.594 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

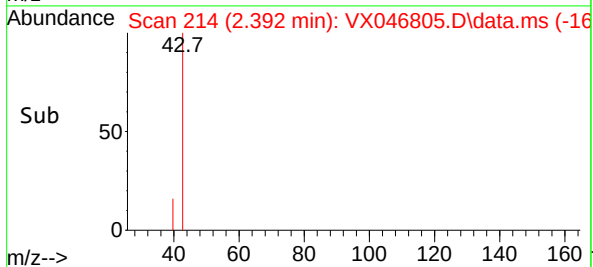
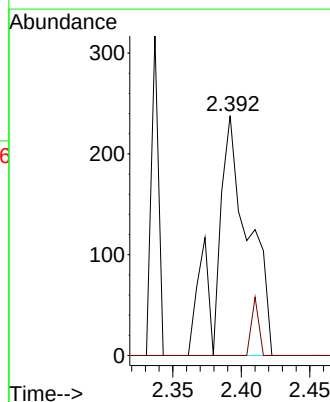
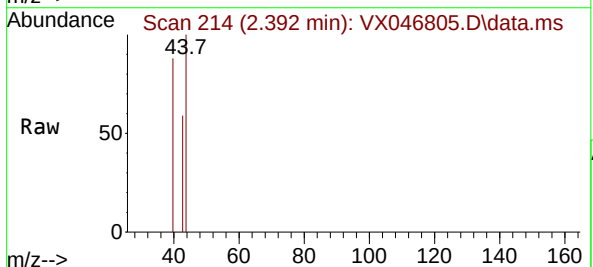
Instrument : MSVOA_X
ClientSampleId : VX0623MBL01

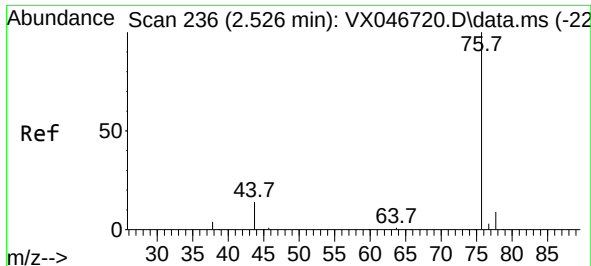
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 111.4 55.2 82.8#



#16
Acetone
Concen: 0.743 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#

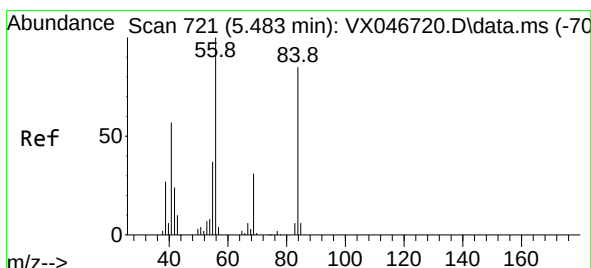
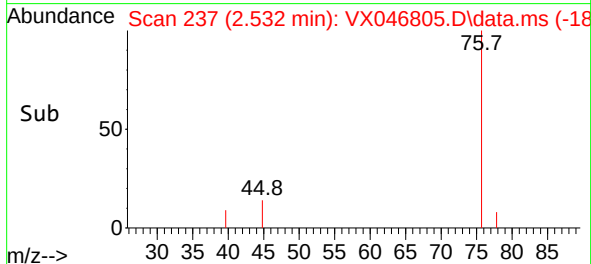
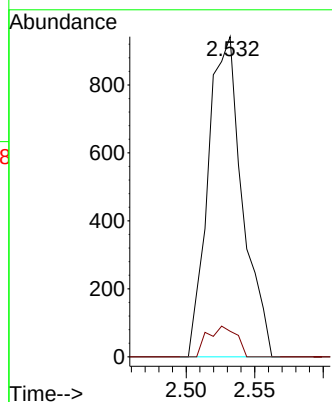
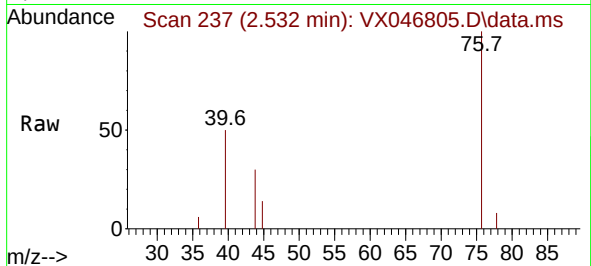




#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

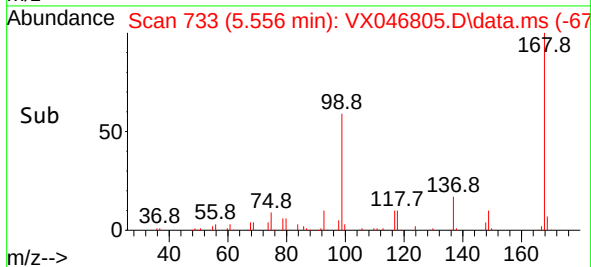
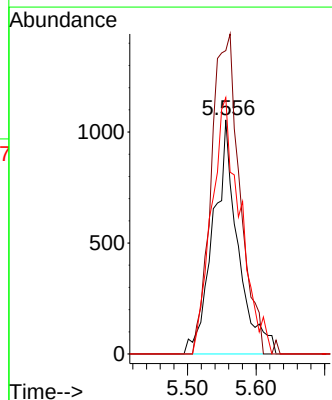
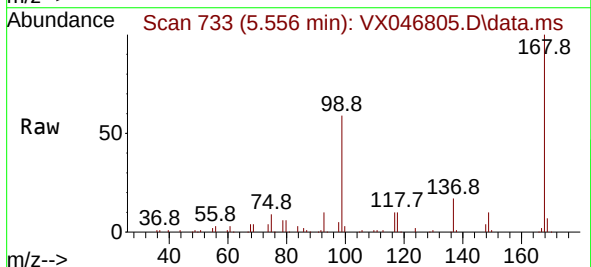
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

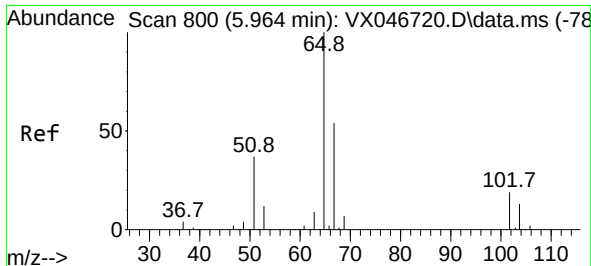
Tgt Ion: 76 Resp: 1639
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 56 Resp: 2642
Ion Ratio Lower Upper
56 100
69 129.6 24.8 37.2#
84 109.5 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 48.874 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

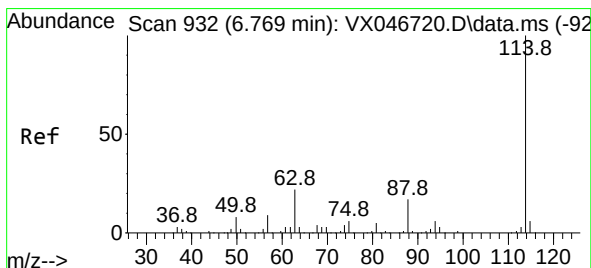
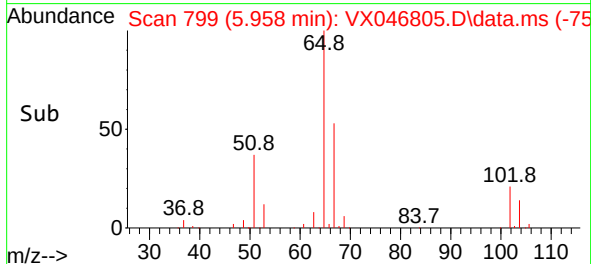
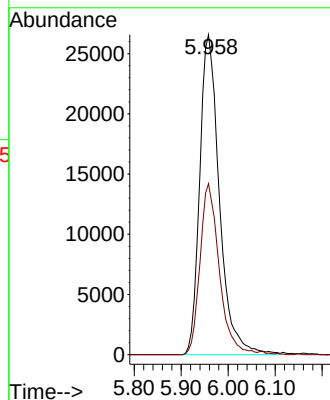
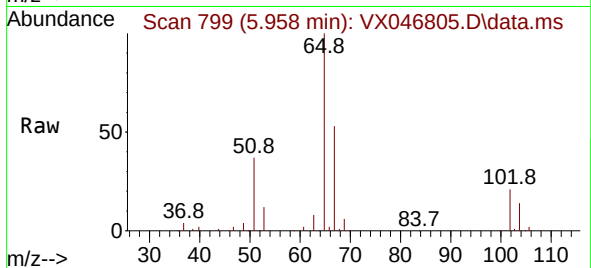
VX0623MBL01

Tgt Ion: 65 Resp: 77358

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

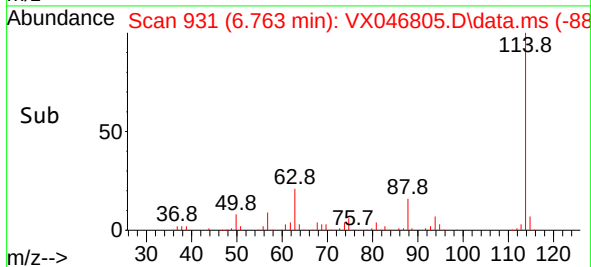
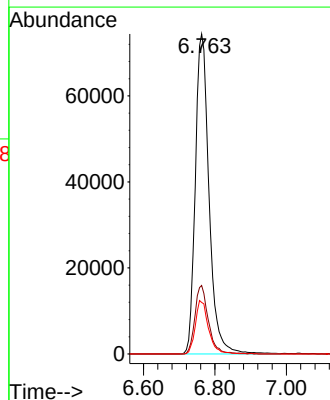
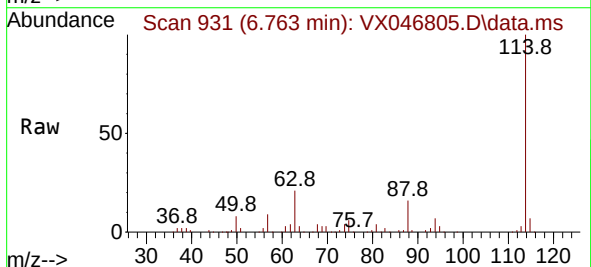
Tgt Ion: 114 Resp: 198594

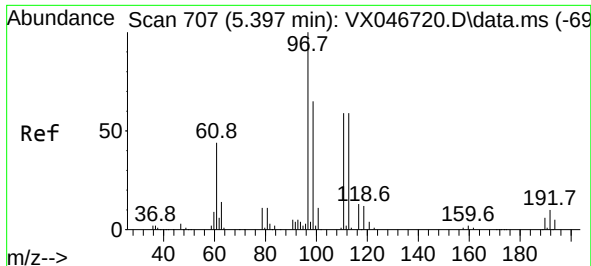
Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 16.1 0.0 33.2

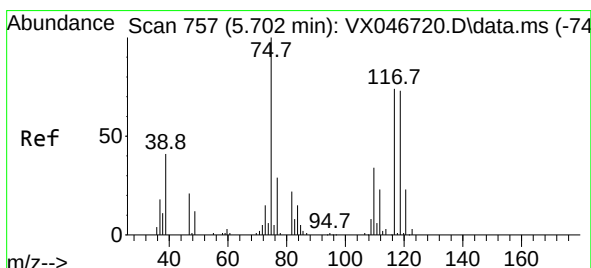
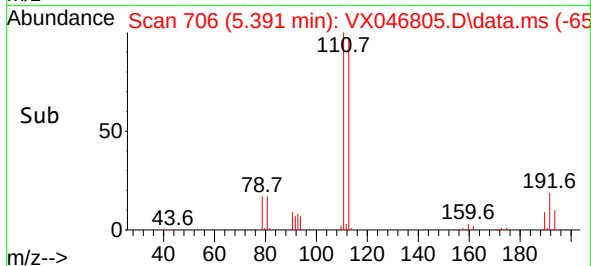
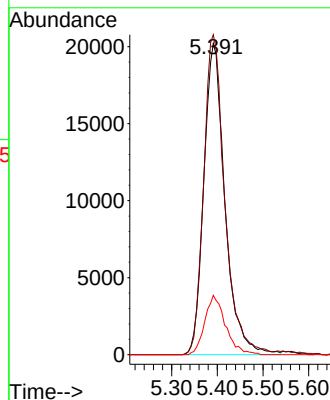
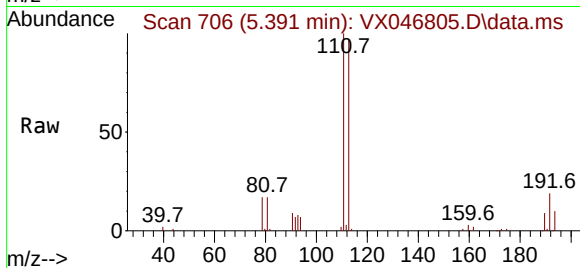




#35
Dibromofluoromethane
Concen: 49.484 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

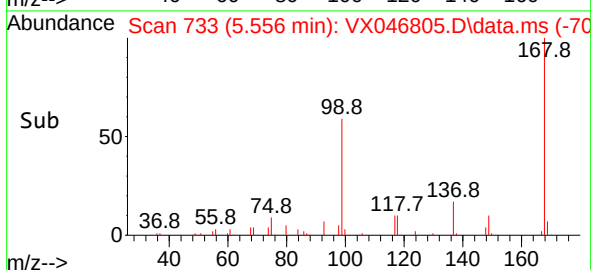
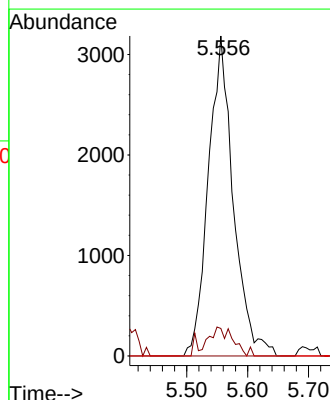
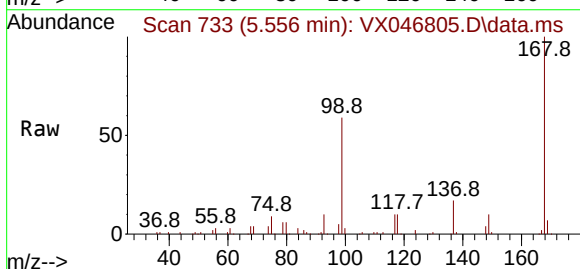
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

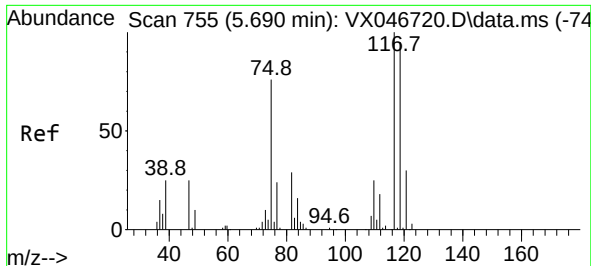
Tgt Ion:113 Resp: 65020
Ion Ratio Lower Upper
113 100
111 102.4 82.0 123.0
192 18.7 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

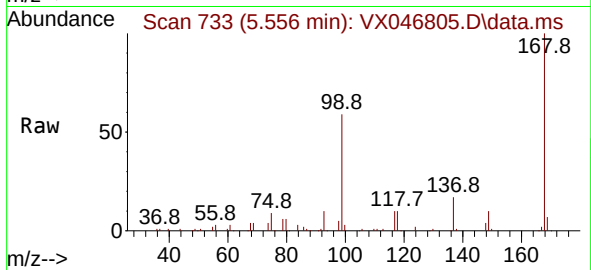
Tgt Ion: 75 Resp: 9071
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.5#
77 0.0 24.2 36.4#



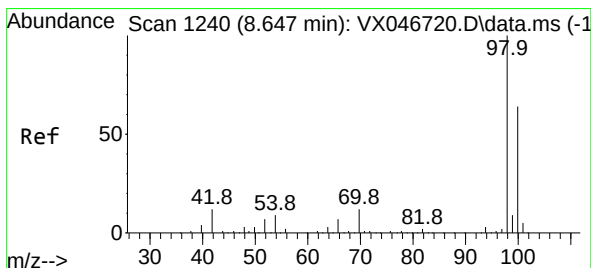
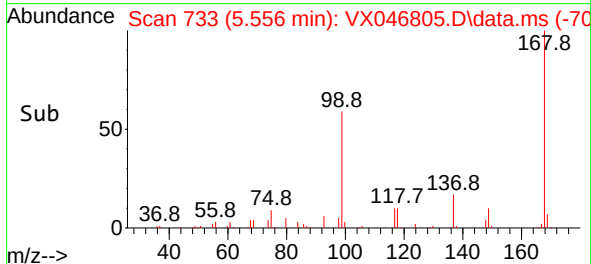
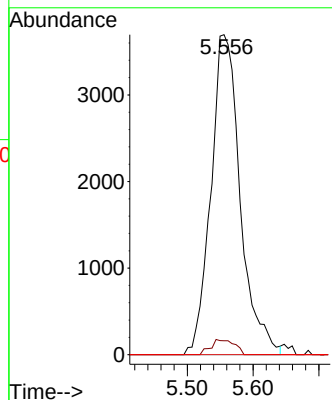


#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

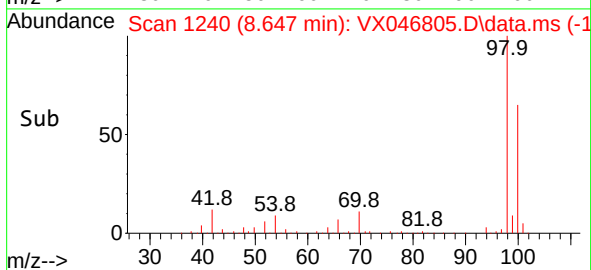
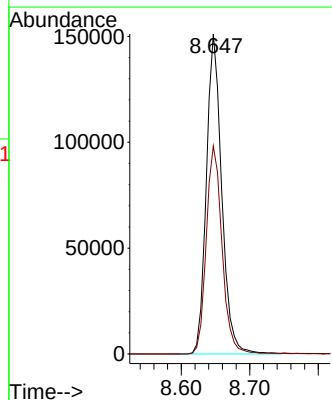
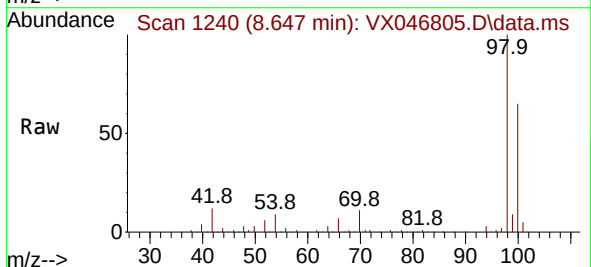


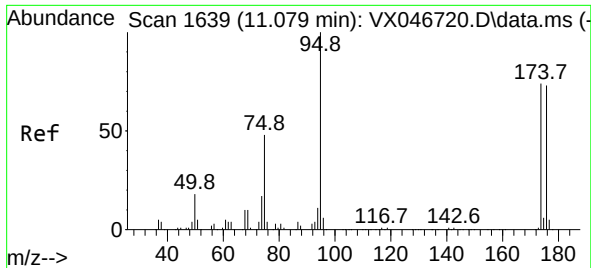
Tgt Ion:117 Resp: 11473
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.938 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 98 Resp: 235745
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

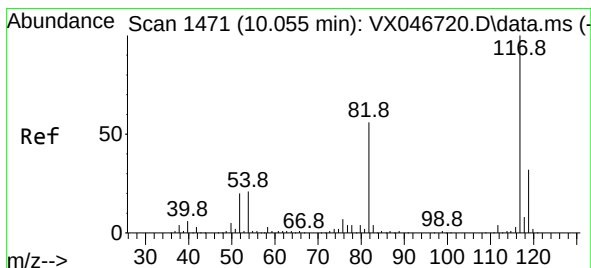
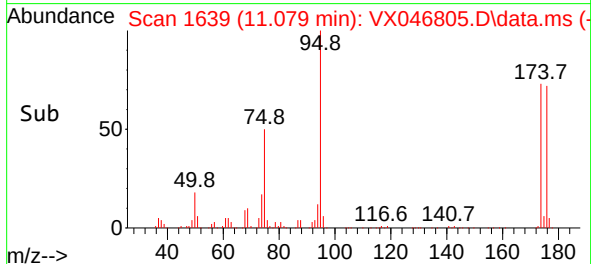
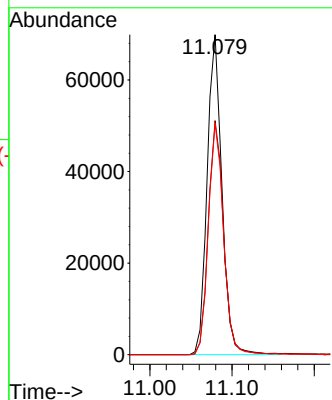
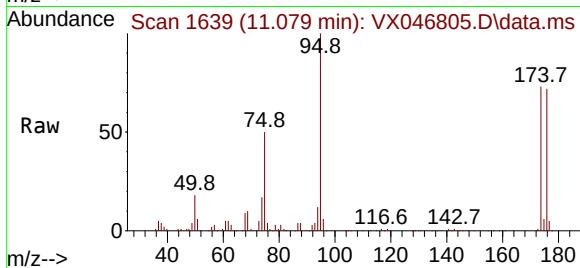




#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

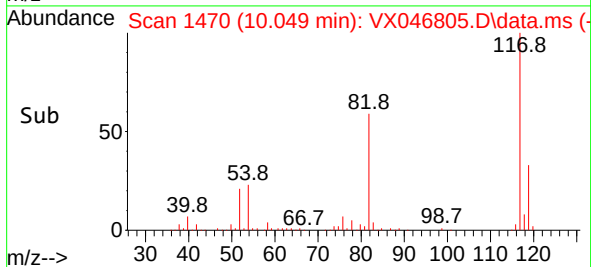
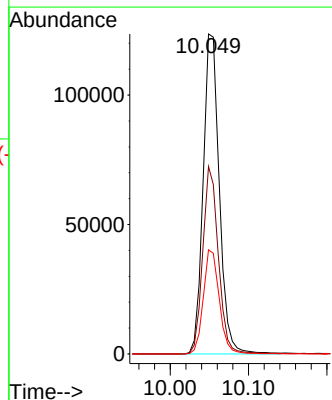
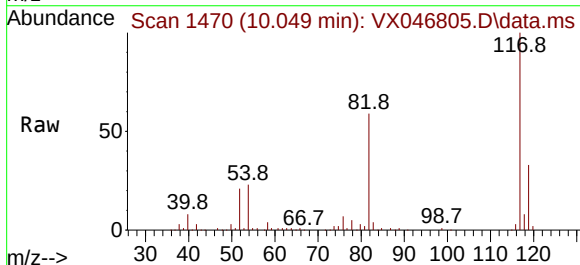
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

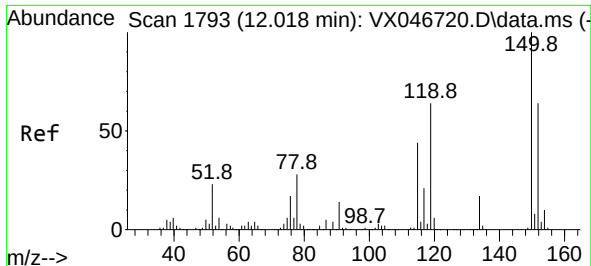
Tgt Ion: 95 Resp: 87567
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.4
176 74.2 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 117 Resp: 177448
Ion Ratio Lower Upper
117 100
82 58.6 44.6 66.8
119 32.5 25.8 38.8

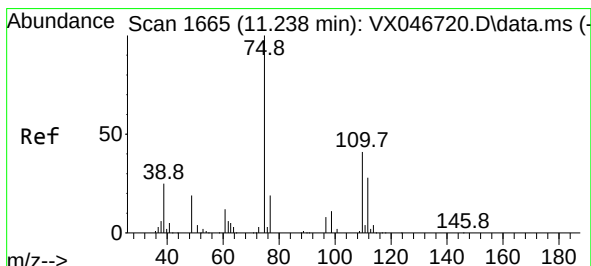
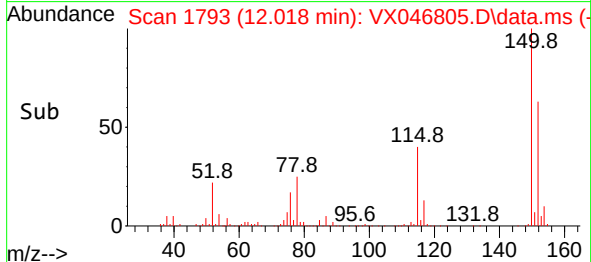
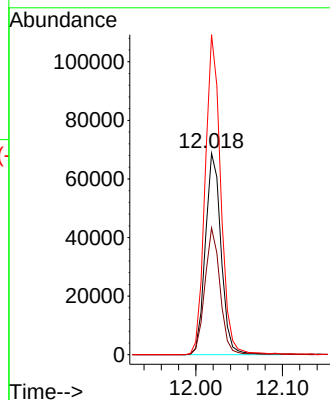
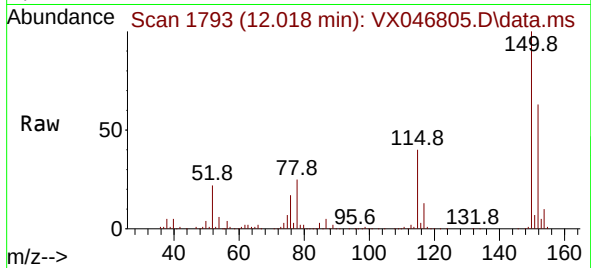




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046805.D
 Acq: 23 Jun 2025 09:31

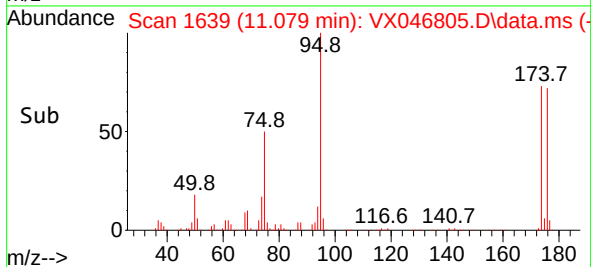
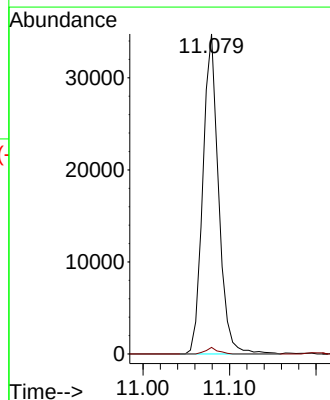
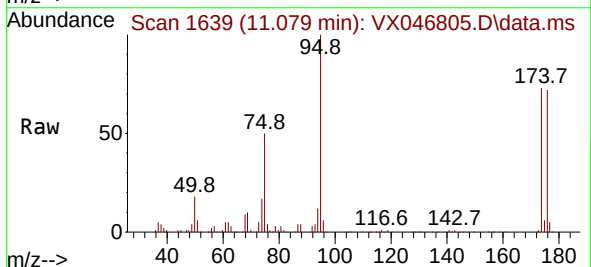
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0623MBL01

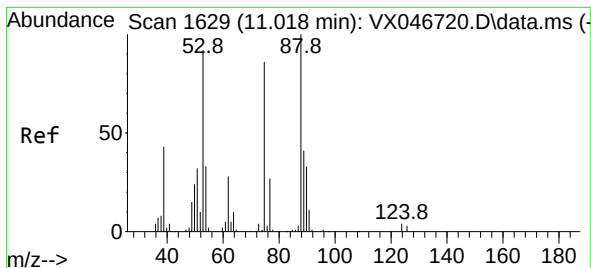
Tgt Ion:152 Resp: 86635
 Ion Ratio Lower Upper
 152 100
 115 60.8 43.2 129.6
 150 157.7 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.602 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046805.D
 Acq: 23 Jun 2025 09:31

Tgt Ion: 75 Resp: 43797
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.5 55.5#

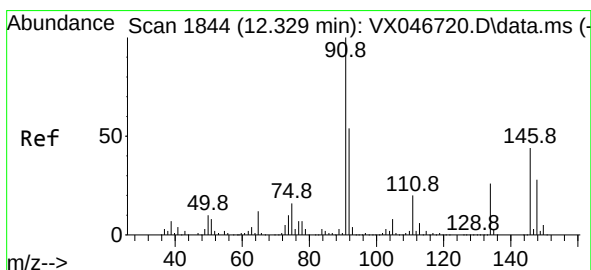
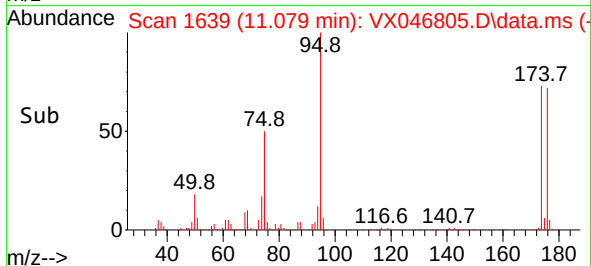
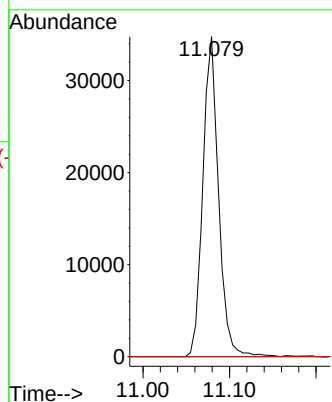
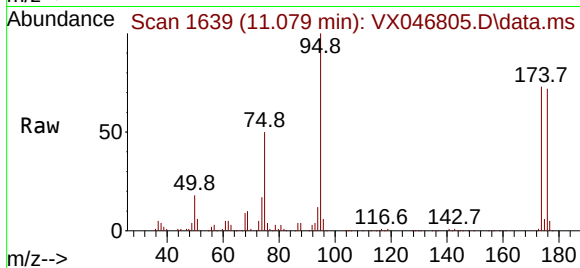




#81
trans-1,4-Dichloro-2-butene
Concen: 78.019 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

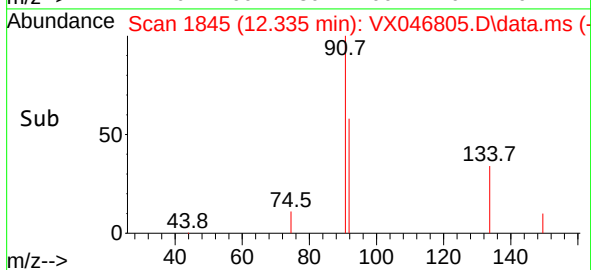
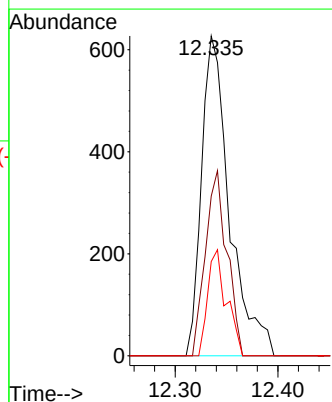
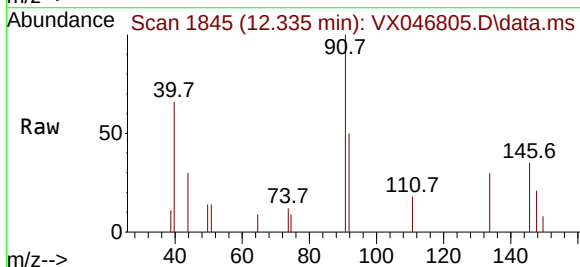
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

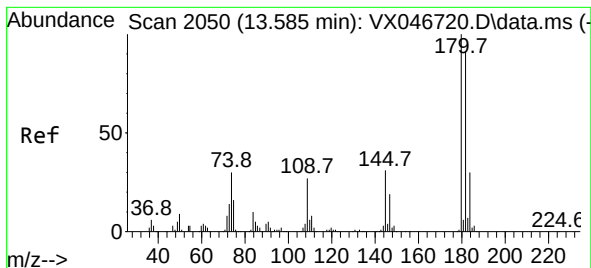
Tgt Ion: 75 Resp: 43797
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.216 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 91 Resp: 1187
Ion Ratio Lower Upper
91 100
92 44.6 27.1 81.3
134 22.2 12.9 38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.339 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

VX0623MBL01

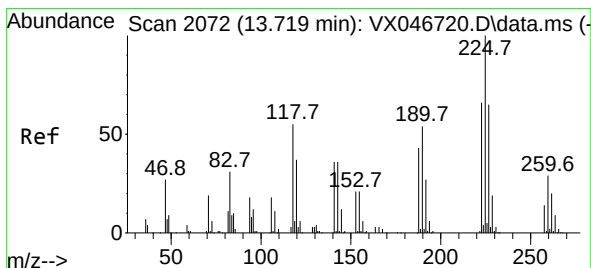
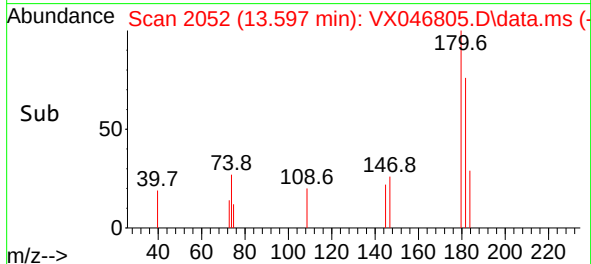
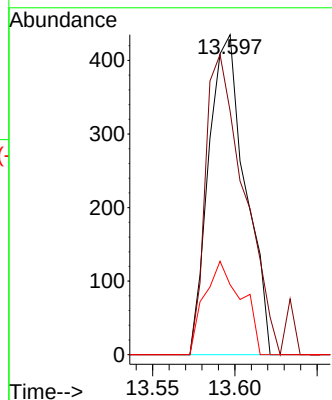
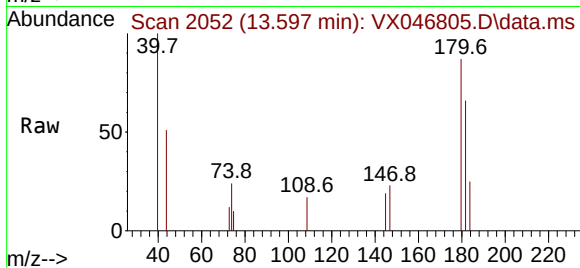
Tgt Ion:180 Resp: 674

Ion Ratio Lower Upper

180 100

182 99.0 46.7 140.1

145 29.5 15.8 47.4



#94

Hexachlorobutadiene

Concen: 0.427 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.000 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

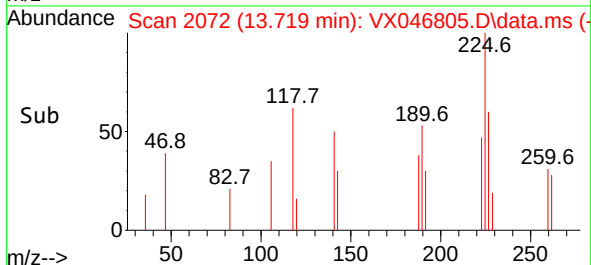
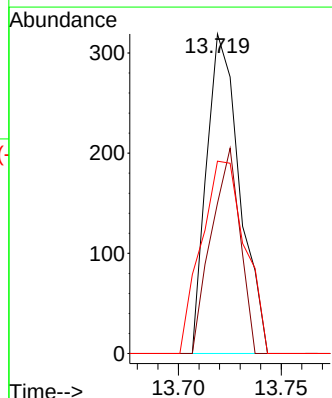
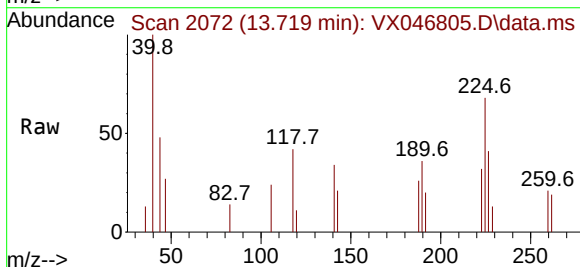
Tgt Ion:225 Resp: 357

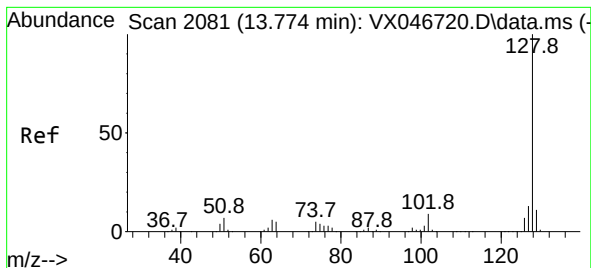
Ion Ratio Lower Upper

225 100

223 55.7 32.5 97.5

227 79.8 32.2 96.6





#95

Naphthalene

Concen: 0.241 ug/l

RT: 13.786 min Scan# 2081

Delta R.T. 0.012 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

VX0623MBL01

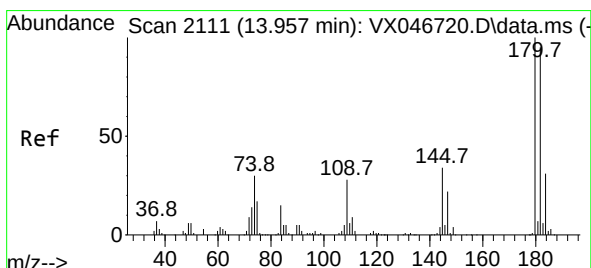
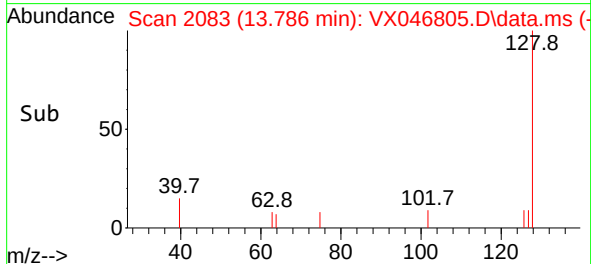
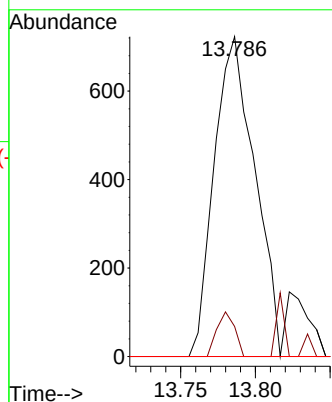
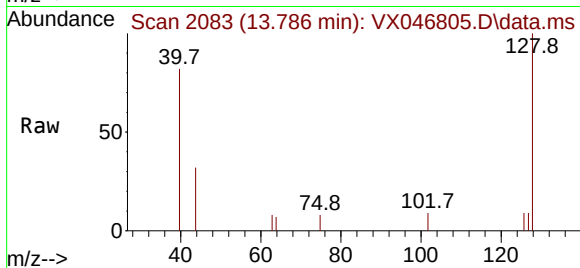
Tgt Ion:128 Resp: 1365

Ion Ratio Lower Upper

128 100

127 6.2 10.1 15.1#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.393 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Tgt Ion:180 Resp: 748

Ion Ratio Lower Upper

180 100

182 107.6 47.8 143.4

145 31.3 17.3 51.9

