

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046683.D
 Acq On : 13 Jun 2025 12:58
 Operator : JC/MD
 Sample : VX0613WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBL01

Quant Time: Jun 13 23:26:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

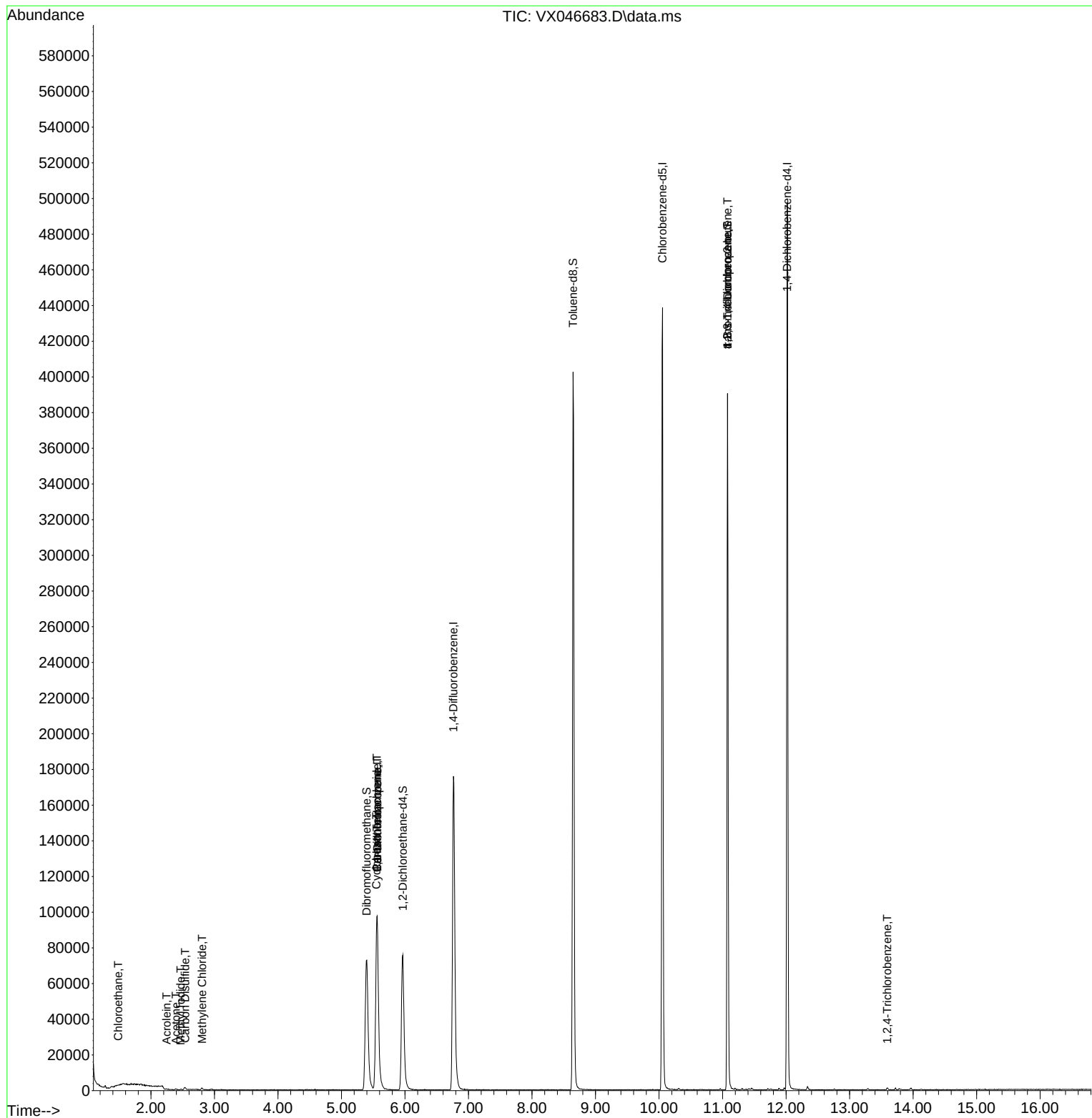
Internal Standards						
1) Pentafluorobenzene	5.562	168	96124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189261	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	198520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	81082	47.412	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.820%			
35) Dibromofluoromethane	5.397	113	70322	50.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	8.647	98	245658	53.536	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.079	95	103145	54.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.660%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.483	64	2427	3.089	ug/l #	63
10) Methyl Iodide	2.465	142	289	0.211	ug/l #	71
13) Acrolein	2.246	56	73	30.286	ug/l #	15
16) Acetone	2.392	43	490	5.311	ug/l	99
17) Carbon Disulfide	2.538	76	1832	0.955	ug/l	97
20) Methylene Chloride	2.806	84	474	0.345	ug/l #	71
31) Cyclohexane	5.550	56	2210	1.112	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	7985	4.016	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10461	4.698	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	54214	26.163	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	54214	75.470	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	491	0.215	ug/l	84

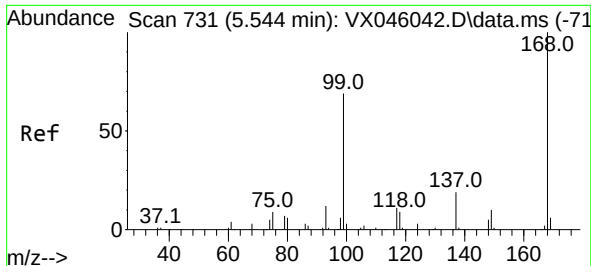
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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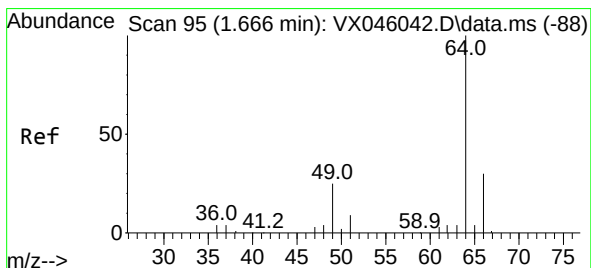
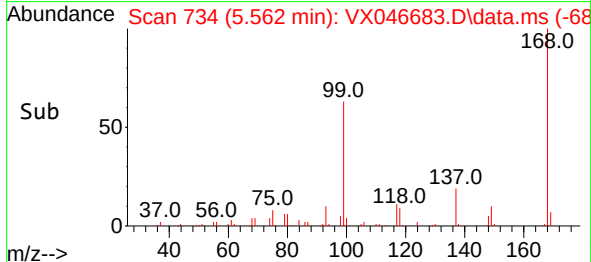
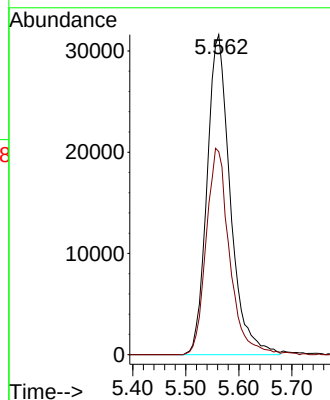
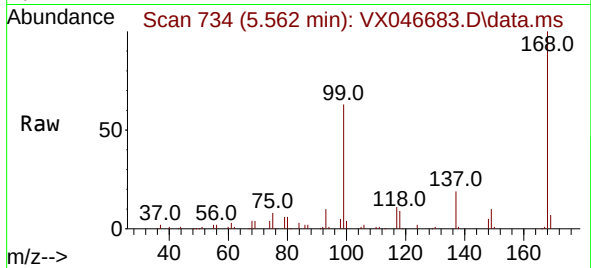




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

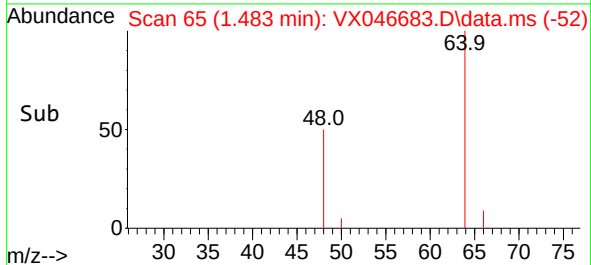
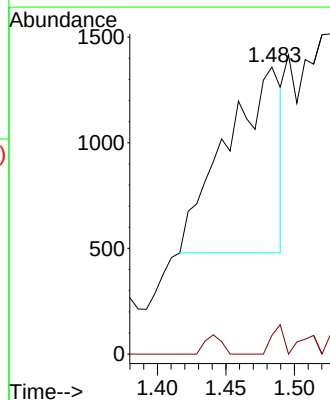
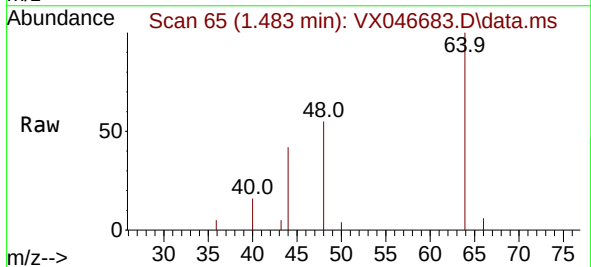
Instrument :
MSVOA_X
ClientSampleId :
VX0613MBL01

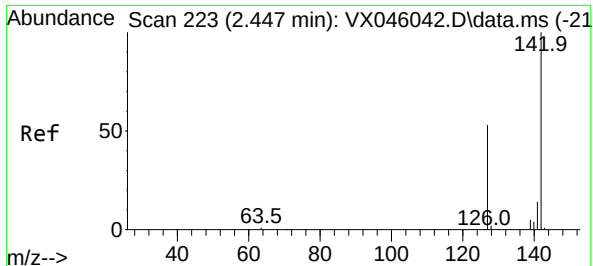
Tgt Ion:168 Resp: 96124
Ion Ratio Lower Upper
168 100
99 63.4 54.9 82.3



#6
Chloroethane
Concen: 3.089 ug/l
RT: 1.483 min Scan# 65
Delta R.T. -0.220 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Tgt Ion: 64 Resp: 2427
Ion Ratio Lower Upper
64 100
66 10.0 24.3 36.5

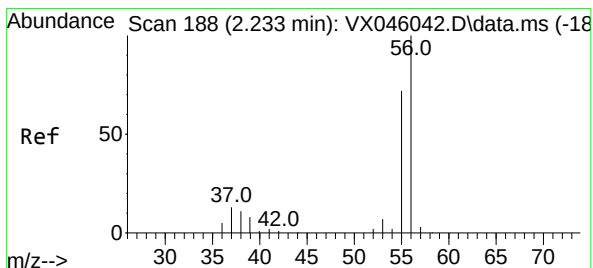
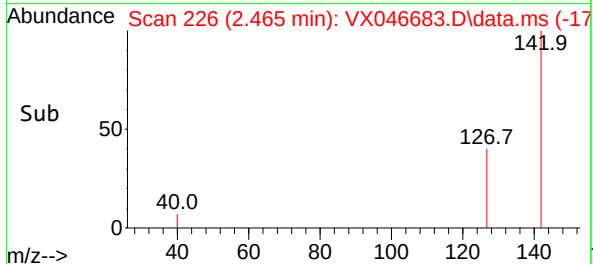
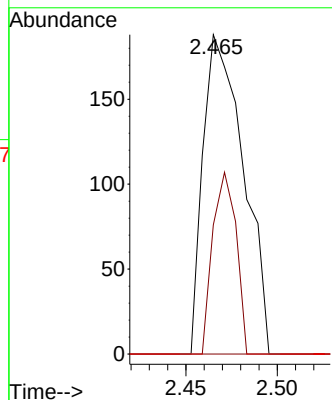
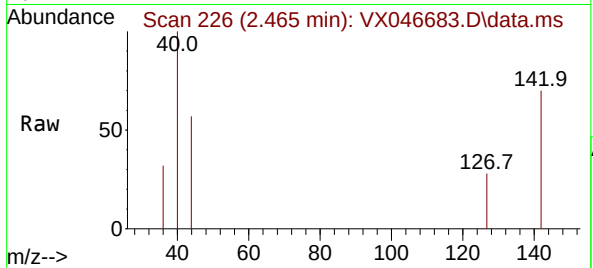




#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 2.465 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

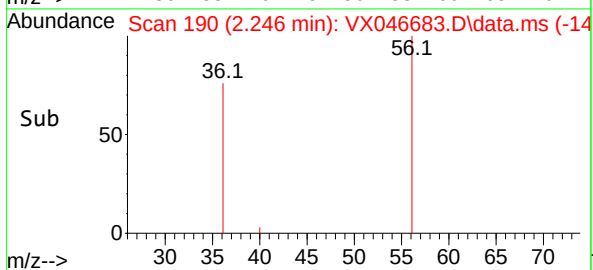
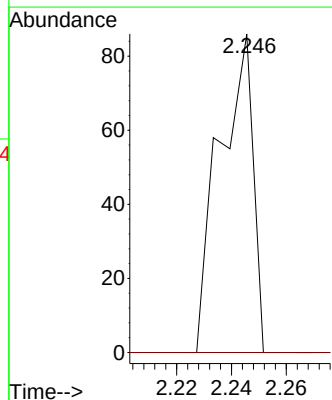
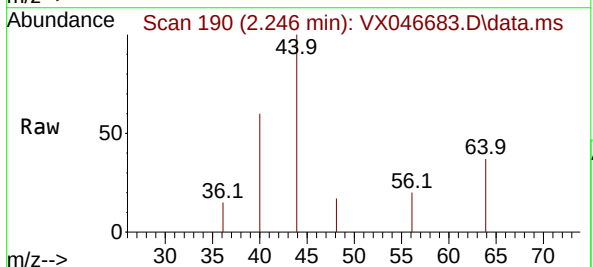
Instrument :
MSVOA_X
ClientSampleId :
VX0613MBL01

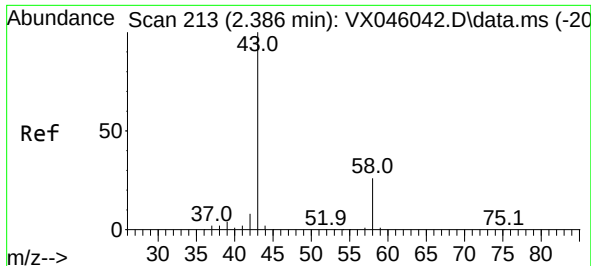
Tgt Ion:142 Resp: 289
Ion Ratio Lower Upper
142 100
127 32.9 41.7 62.5#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 30.286 ug/l
RT: 2.246 min Scan# 190
Delta R.T. -0.005 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#16

Acetone

Concen: 5.311 ug/l

RT: 2.392 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046683.D

Acq: 13 Jun 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

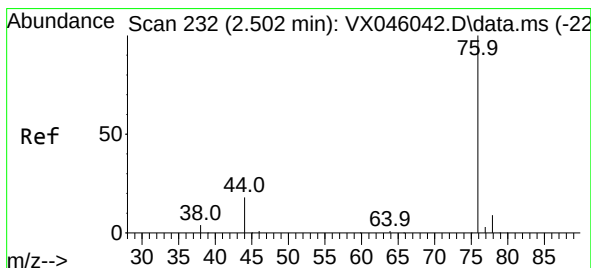
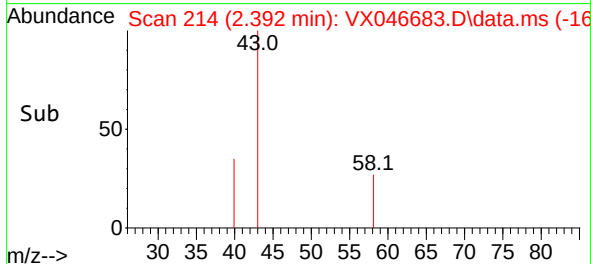
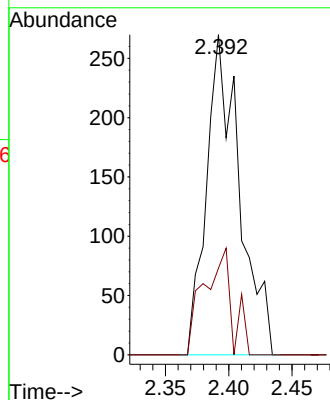
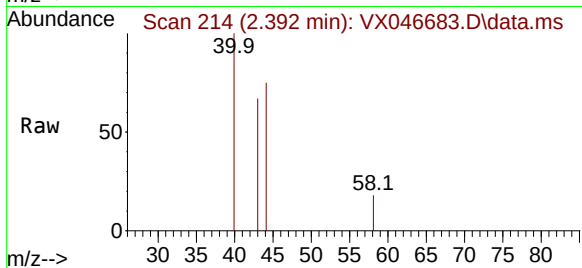
VX0613MBL01

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8



#17

Carbon Disulfide

Concen: 0.955 ug/l

RT: 2.538 min Scan# 238

Delta R.T. 0.006 min

Lab File: VX046683.D

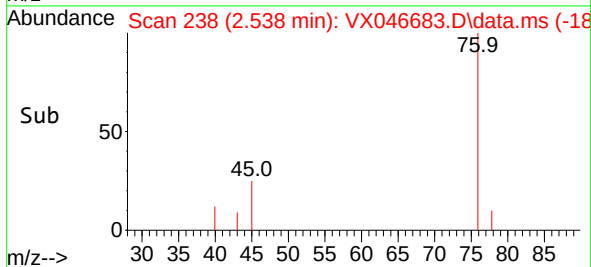
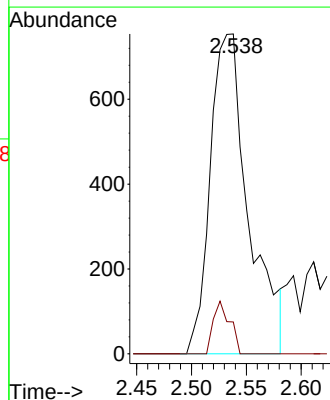
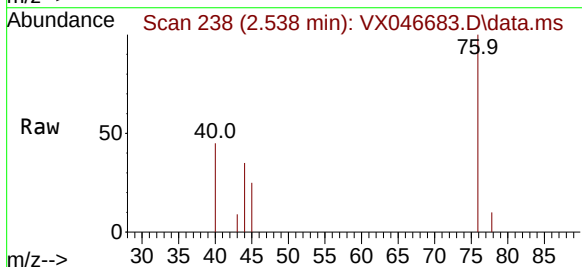
Acq: 13 Jun 2025 12:58

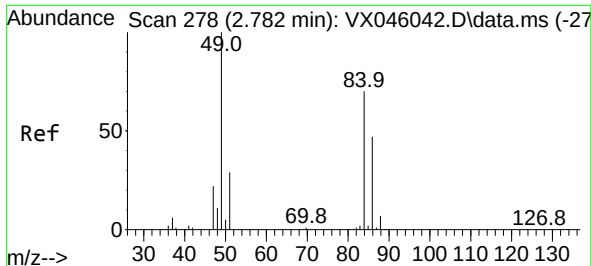
Tgt Ion: 76 Resp: 1832

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4

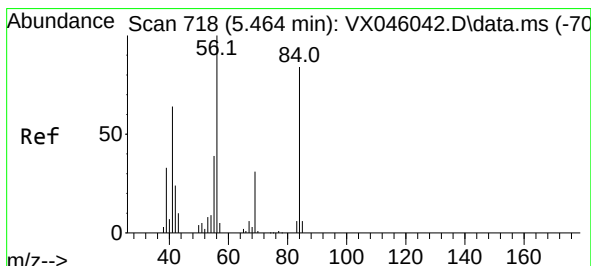
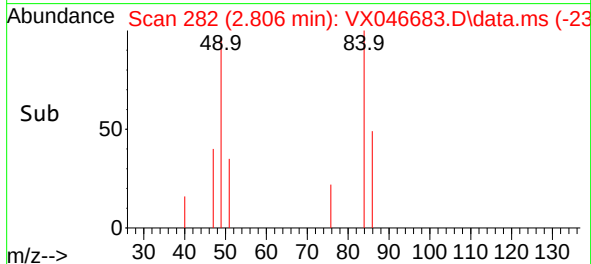
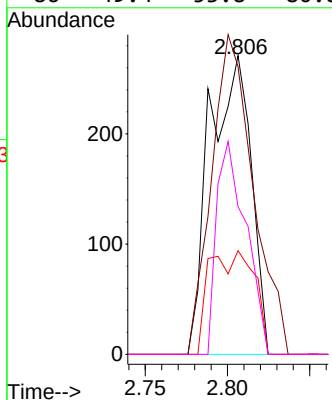
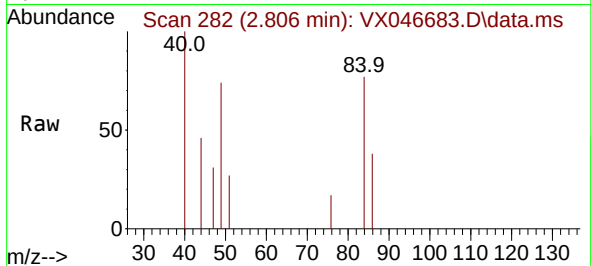




#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

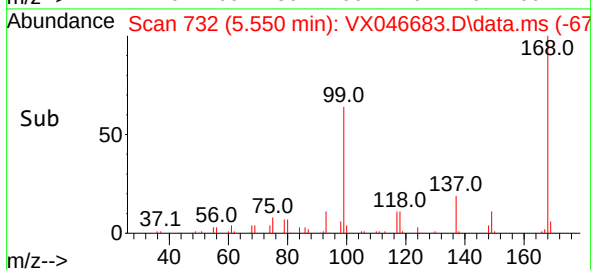
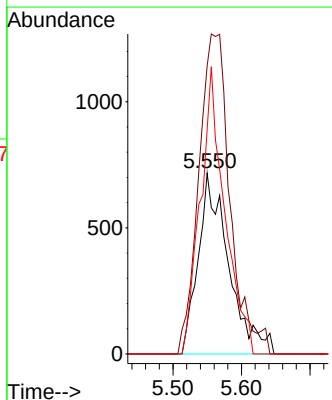
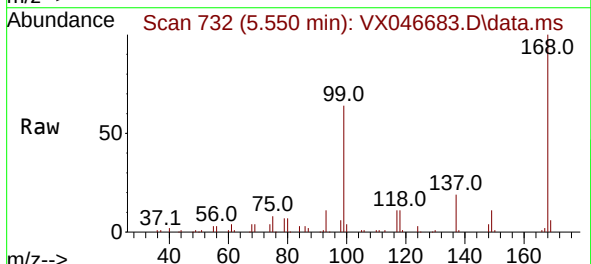
Instrument :
MSVOA_X
ClientSampleId :
VX0613MBL01

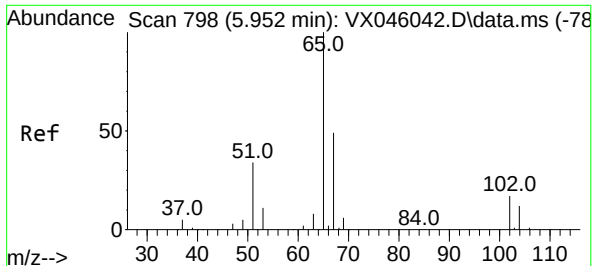
Tgt Ion:	84	Resp:	474
Ion	Ratio	Lower	Upper
84	100		
49	96.3	113.9	170.9#
51	34.7	33.5	50.3
86	49.4	53.8	80.8#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.061 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Tgt Ion:	56	Resp:	2210
Ion	Ratio	Lower	Upper
56	100		
69	159.4	24.4	36.6#
84	124.3	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.412 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046683.D

Acq: 13 Jun 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

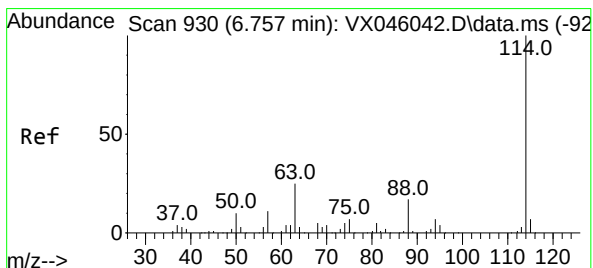
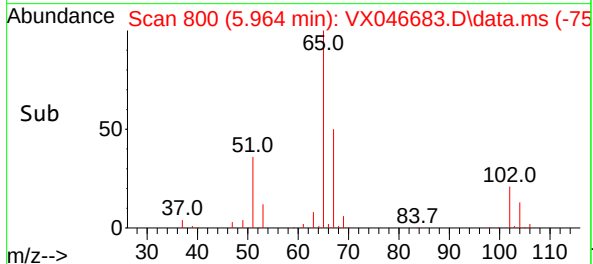
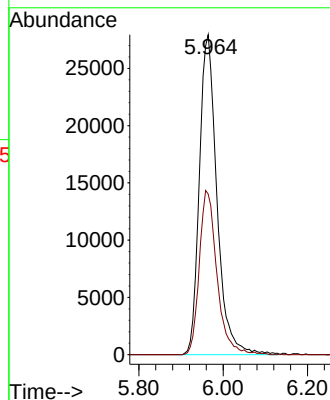
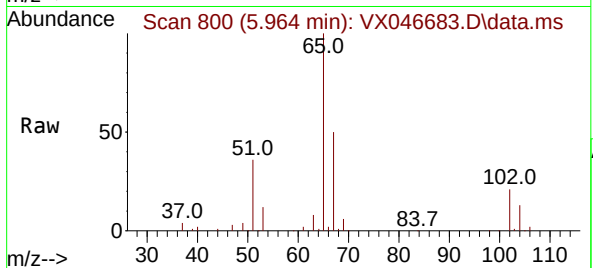
VX0613MBL01

Tgt Ion: 65 Resp: 81082

Ion Ratio Lower Upper

65 100

67 51.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.012 min

Lab File: VX046683.D

Acq: 13 Jun 2025 12:58

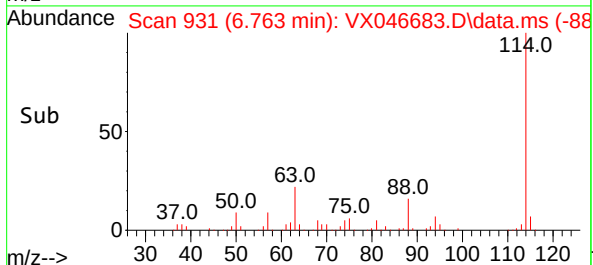
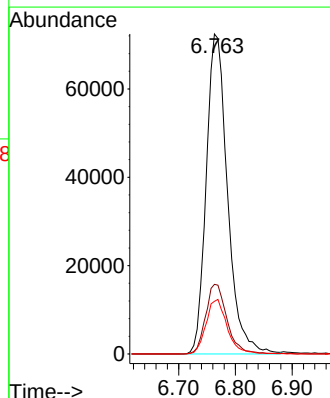
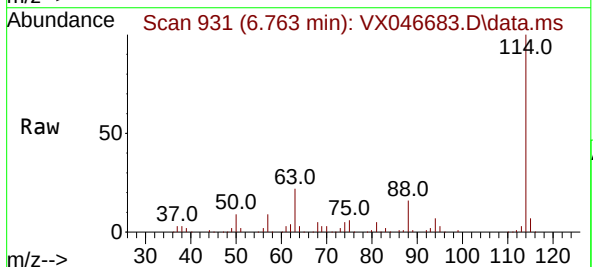
Tgt Ion: 114 Resp: 189261

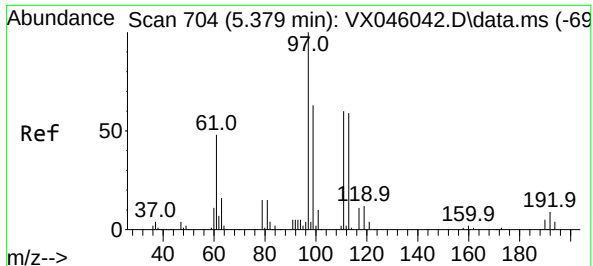
Ion Ratio Lower Upper

114 100

63 21.7 0.0 49.2

88 16.5 0.0 33.6

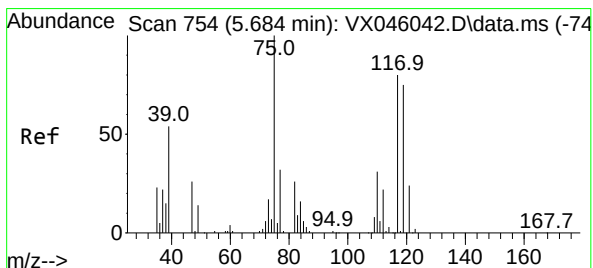
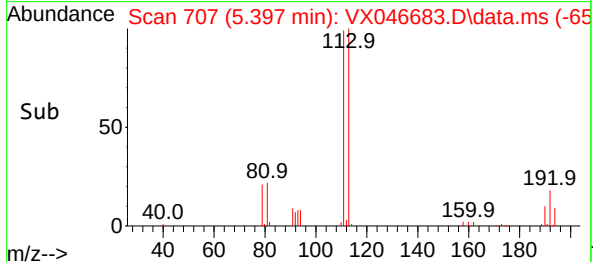
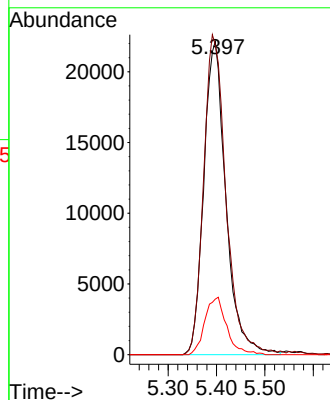
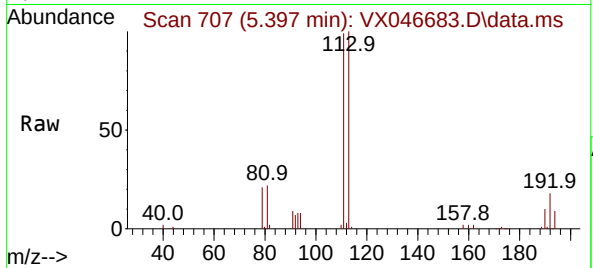




#35
Dibromofluoromethane
Concen: 50.525 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

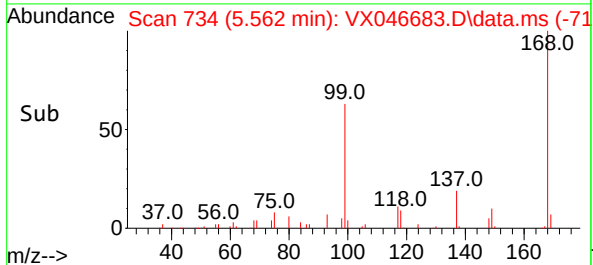
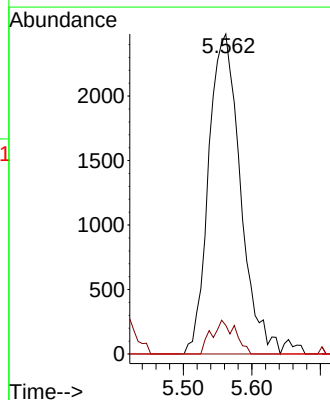
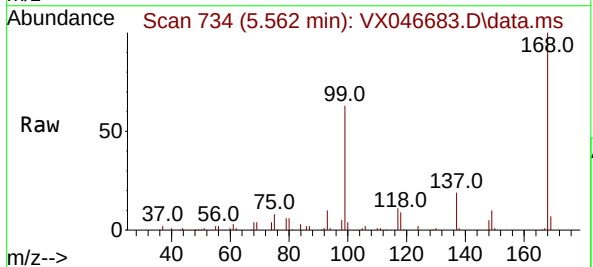
Instrument :
MSVOA_X
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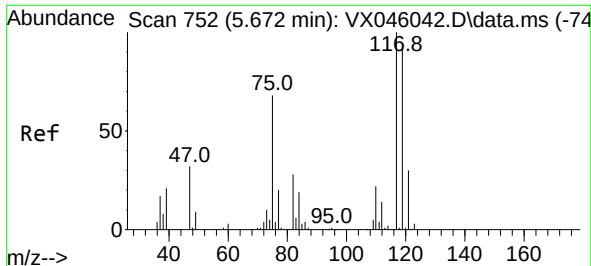
Tgt Ion:113 Resp: 70322
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.016 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.152 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

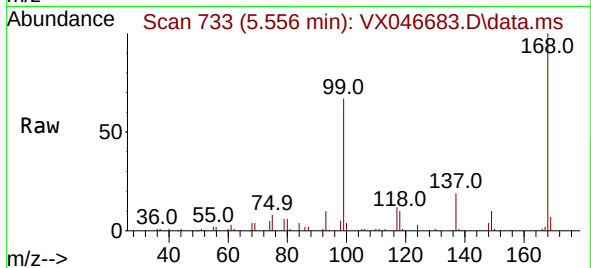
Tgt Ion: 75 Resp: 7985
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.3 36.5#



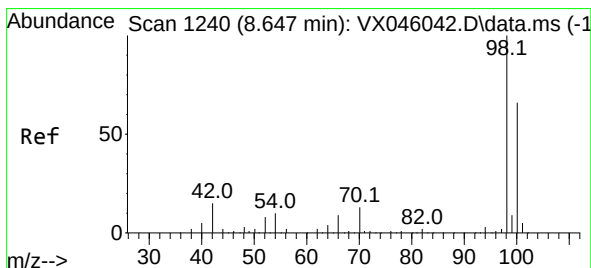
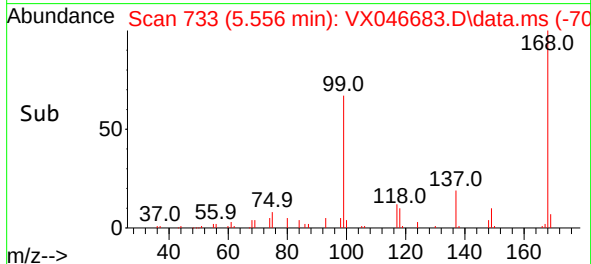
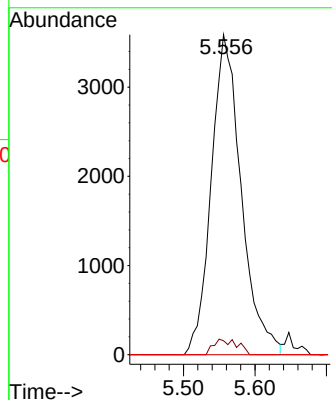


#38
Carbon Tetrachloride
Concen: 4.698 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBL01

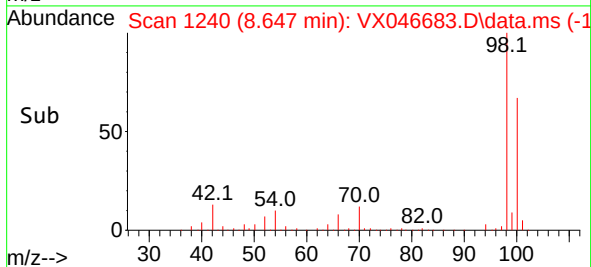
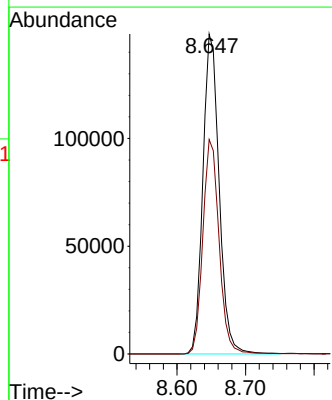
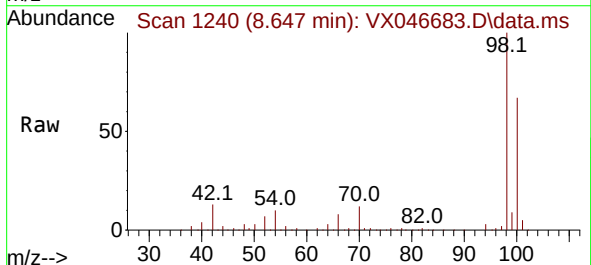


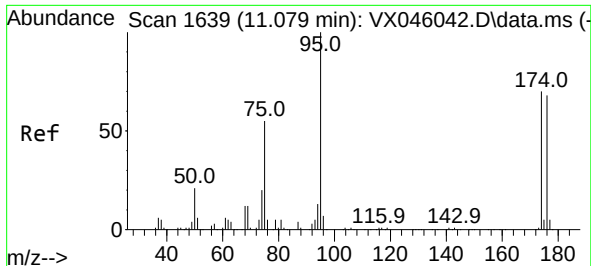
Tgt Ion:117 Resp: 10461
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 53.536 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Tgt Ion: 98 Resp: 245658
Ion Ratio Lower Upper
98 100
100 67.0 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 54.329 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046683.D

Acq: 13 Jun 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBL01

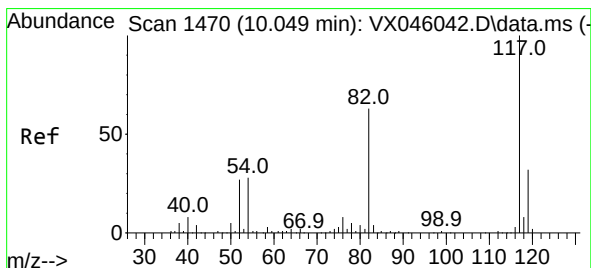
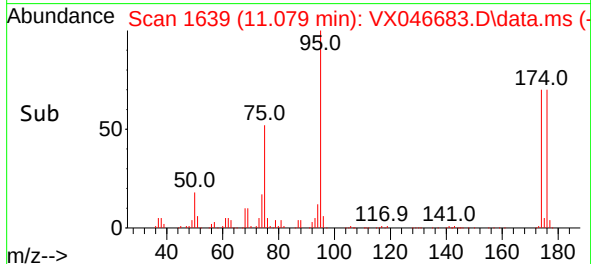
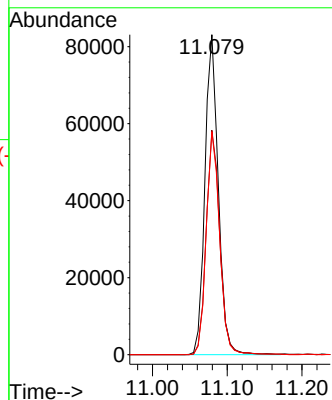
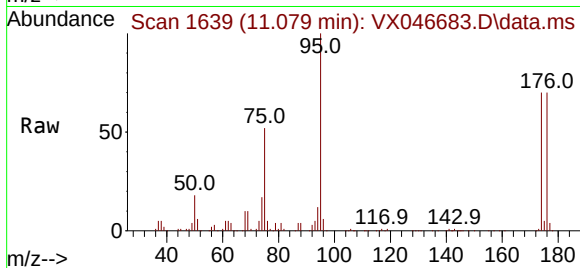
Tgt Ion: 95 Resp: 103145

Ion Ratio Lower Upper

95 100

174 71.1 0.0 135.8

176 70.0 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046683.D

Acq: 13 Jun 2025 12:58

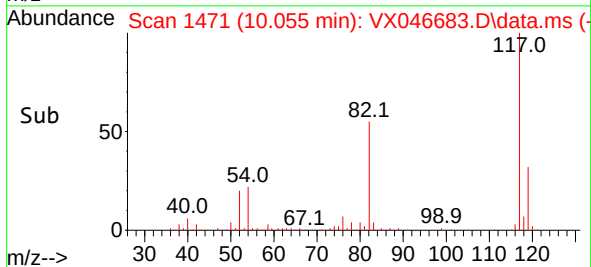
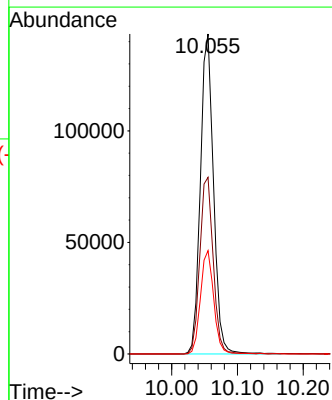
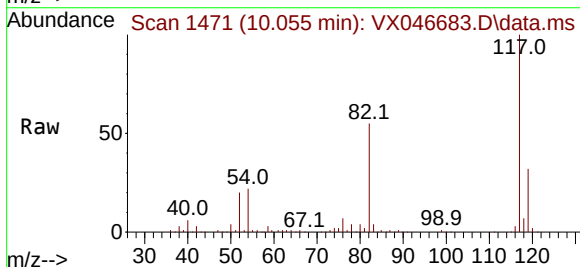
Tgt Ion: 117 Resp: 198520

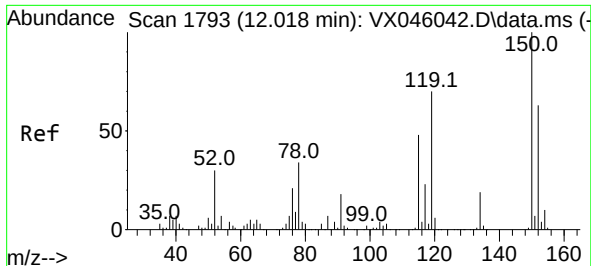
Ion Ratio Lower Upper

117 100

82 55.2 50.6 76.0

119 32.3 25.8 38.6

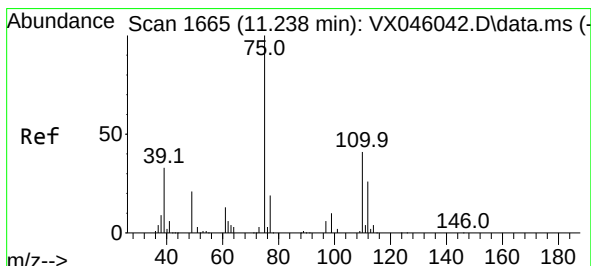
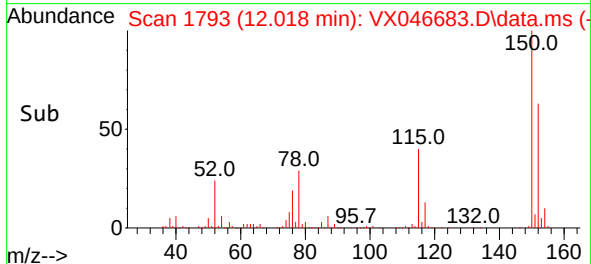
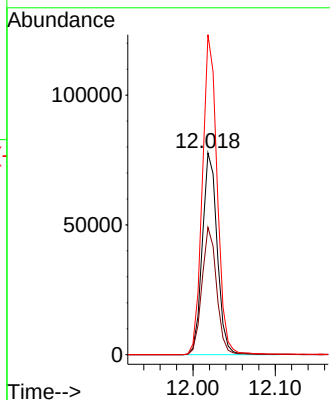
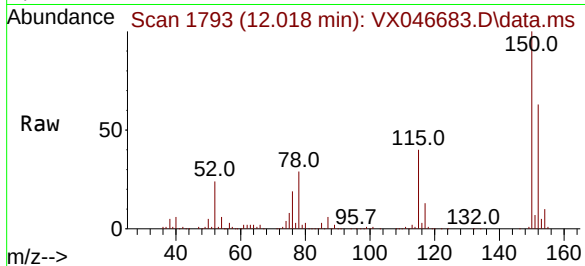




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046683.D
 Acq: 13 Jun 2025 12:58

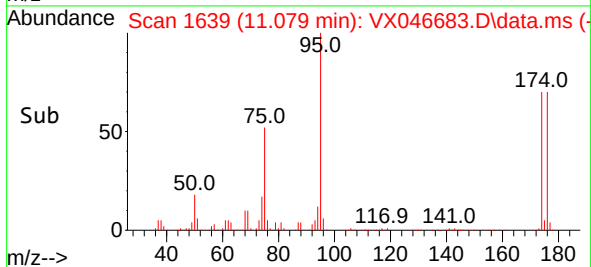
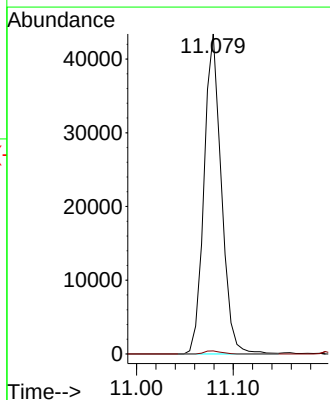
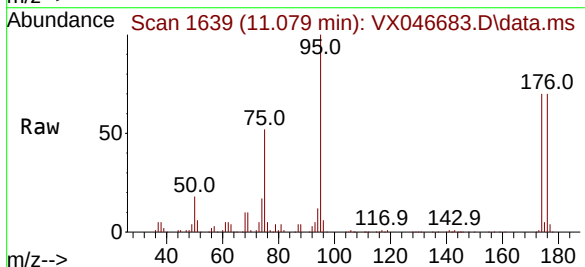
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBL01

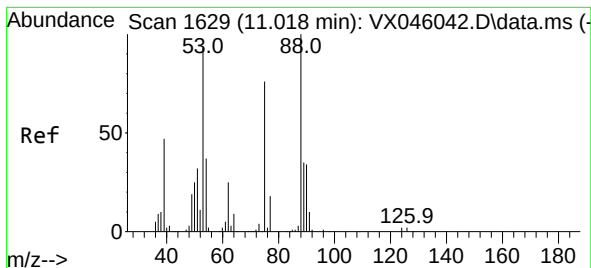
Tgt Ion:152 Resp: 97830
 Ion Ratio Lower Upper
 152 100
 115 62.4 46.9 140.7
 150 157.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.163 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046683.D
 Acq: 13 Jun 2025 12:58

Tgt Ion: 75 Resp: 54214
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#

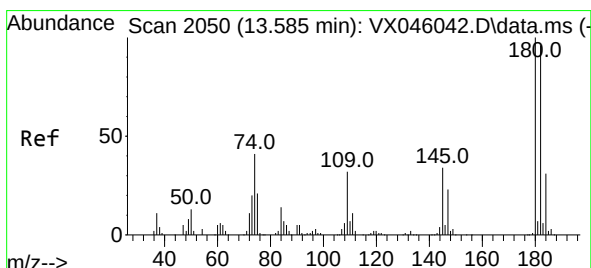
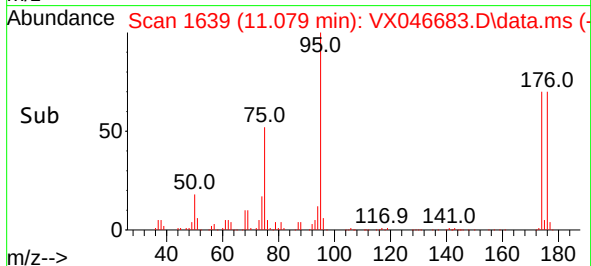
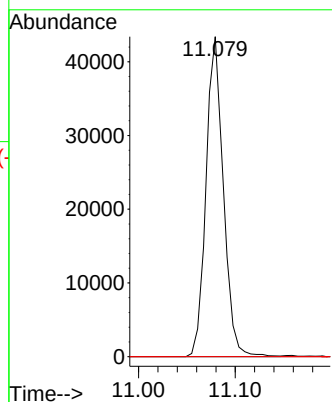
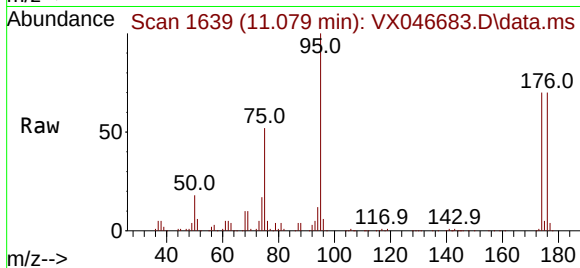




#81
trans-1,4-Dichloro-2-butene
Concen: 75.470 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBL01

Tgt Ion: 75 Resp: 54214
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.215 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046683.D
Acq: 13 Jun 2025 12:58

Tgt Ion:180 Resp: 491
Ion Ratio Lower Upper
180 100
182 111.6 47.9 143.8
145 26.1 17.1 51.2

