

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047111.D
 Acq On : 24 Jul 2025 12:03
 Operator : JC/MD
 Sample : Q2682-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:21:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	438898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	812279	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	775011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	390837	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	311905	57.049	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.100%
35) Dibromofluoromethane	5.397	113	257221	51.288	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	8.653	98	922306	56.786	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	113.580%#
62) 4-Bromofluorobenzene	11.079	95	385676	55.102	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.200%

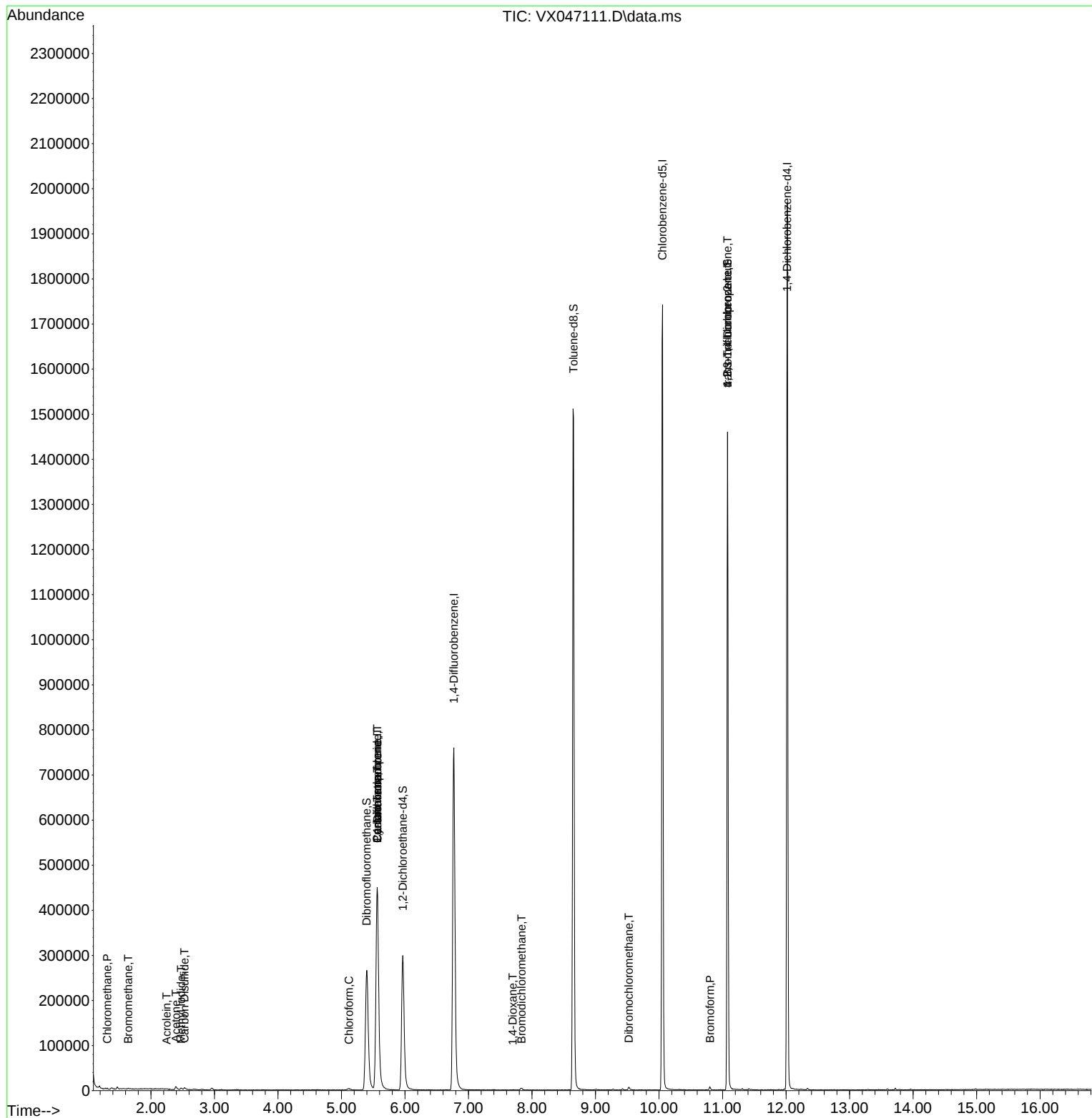
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	1285	0.223	ug/l	94
5) Bromomethane	1.642	94	813	0.241	ug/l	97
10) Methyl Iodide	2.477	142	5288	0.932	ug/l #	88
11) Tert butyl alcohol	2.965	59	1815	Below Cal	#	75
13) Acrolein	2.246	56	753	0.640	ug/l	94
16) Acetone	2.392	43	9911	4.525	ug/l	93
17) Carbon Disulfide	2.526	76	4195	0.263	ug/l	100
30) Chloroform	5.117	83	3726	0.343	ug/l	95
31) Cyclohexane	5.562	56	9923	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	37680	4.408	ug/l #	47
38) Carbon Tetrachloride	5.562	117	47288	5.183	ug/l #	15
47) Bromodichloromethane	7.836	83	3253	0.352	ug/l #	88
49) 1,4-Dioxane	7.696	88	168	2.208	ug/l #	51
60) Dibromochloromethane	9.525	129	3453	0.516	ug/l	97
71) Bromoform	10.805	173	2564	0.552	ug/l #	99
76) 1,2,3-Trichloropropane	11.079	75	200833	27.762	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	200833	71.525	ug/l #	8

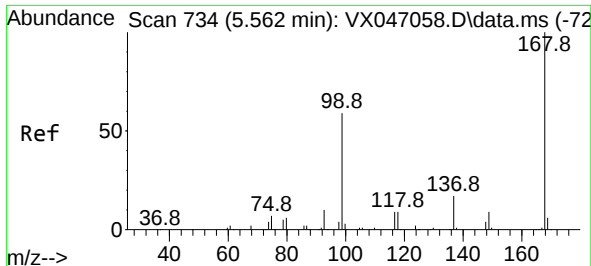
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
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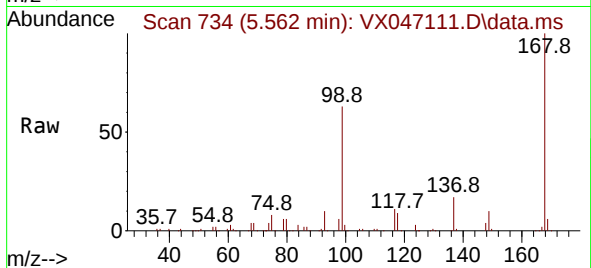
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



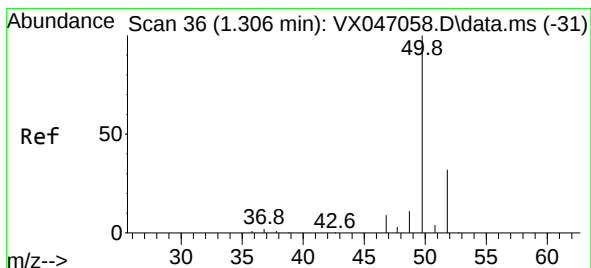
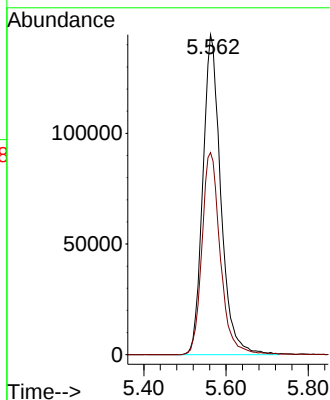
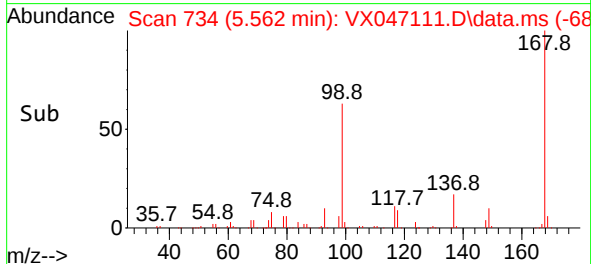


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Instrument :
MSVOA_X
ClientSampleId :

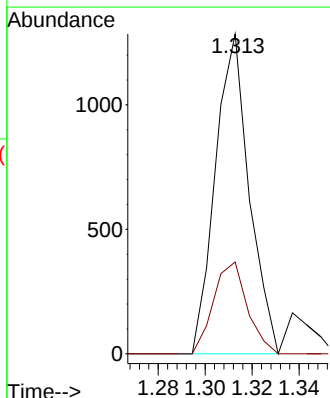
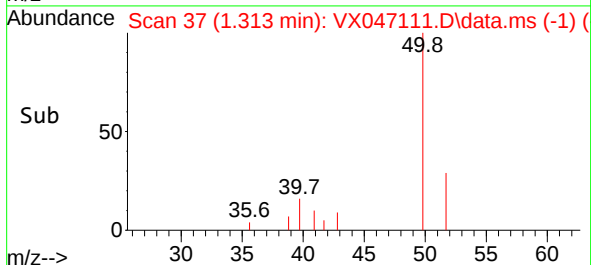
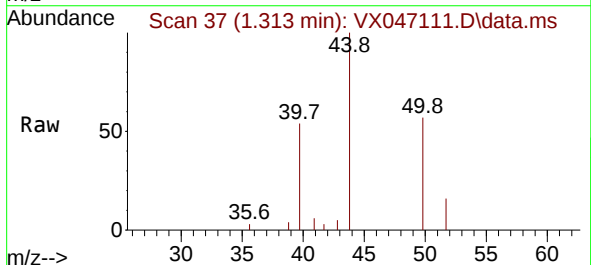


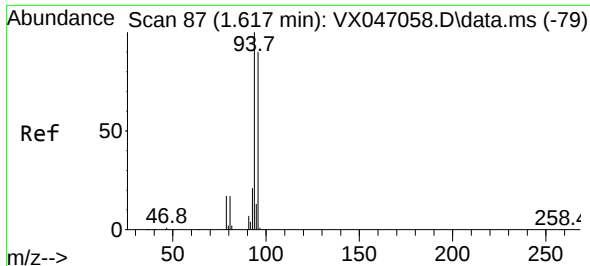
Tgt Ion:168 Resp: 438898
Ion Ratio Lower Upper
168 100
99 63.1 48.0 72.0



#3
Chloromethane
Concen: 0.223 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

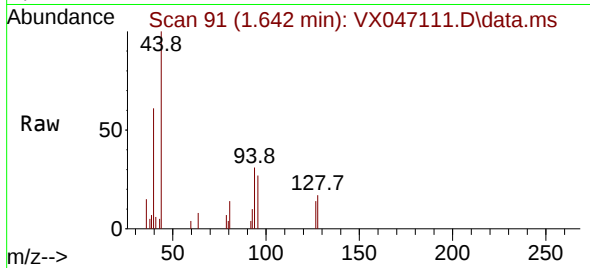
Tgt Ion: 50 Resp: 1285
Ion Ratio Lower Upper
50 100
52 28.7 25.4 38.2



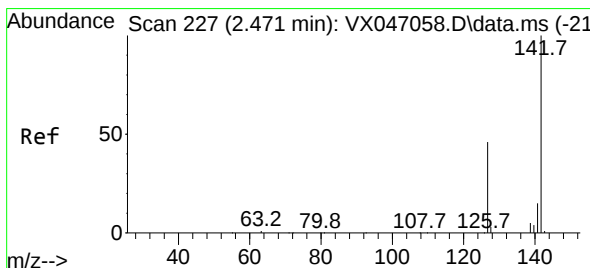
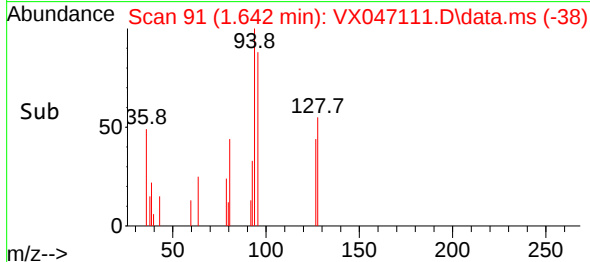
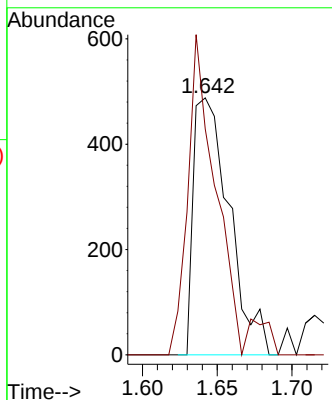


#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Instrument :
MSVOA_X
ClientSampleId :

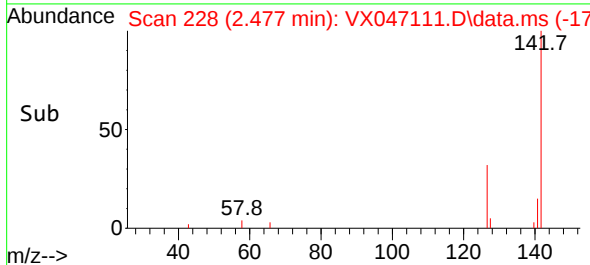
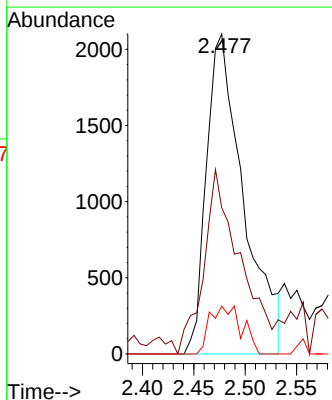
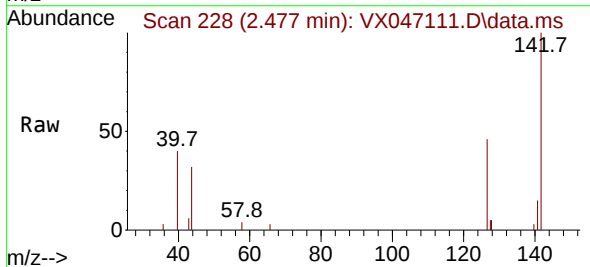


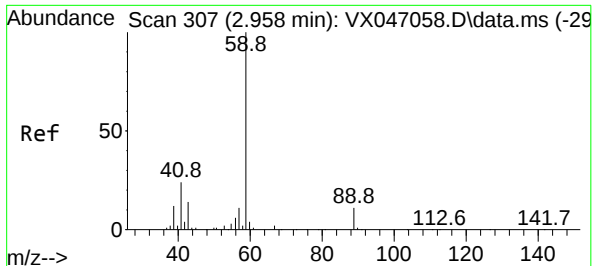
Tgt Ion: 94 Resp: 813
Ion Ratio Lower Upper
94 100
96 87.9 72.3 108.5



#10
Methyl Iodide
Concen: 0.932 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Tgt Ion:142 Resp: 5288
Ion Ratio Lower Upper
142 100
127 55.8 36.6 54.8#
141 12.9 10.9 16.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 307

Delta R.T. 0.007 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

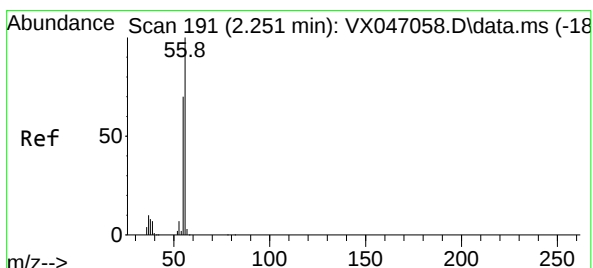
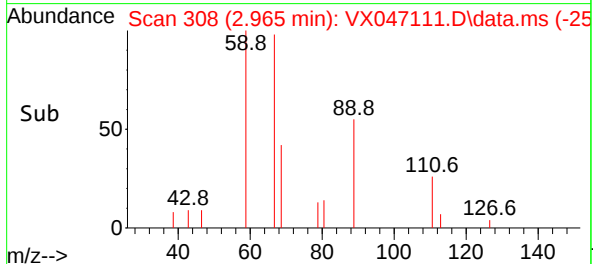
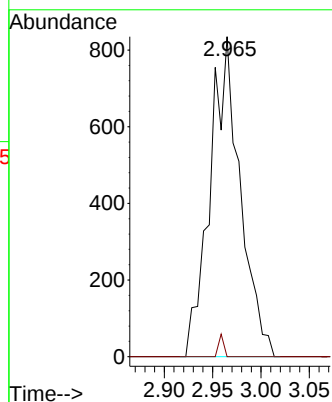
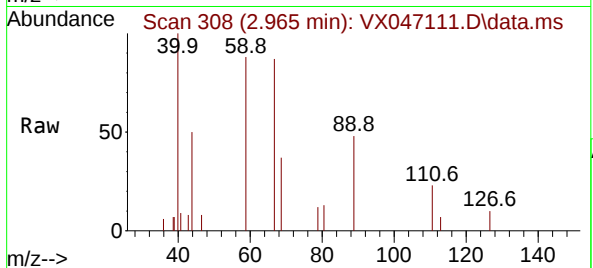
ClientSampleId :

Tgt Ion: 59 Resp: 1815

Ion Ratio Lower Upper

59 100

57 1.2 8.5 12.7#



#13

Acrolein

Concen: 0.640 ug/l

RT: 2.246 min Scan# 190

Delta R.T. -0.006 min

Lab File: VX047111.D

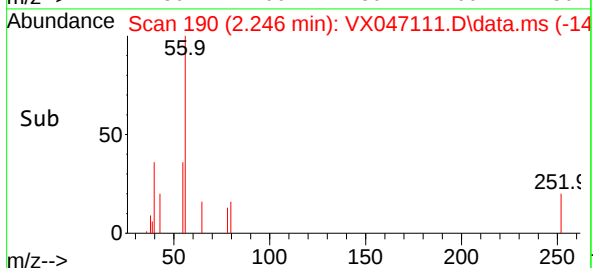
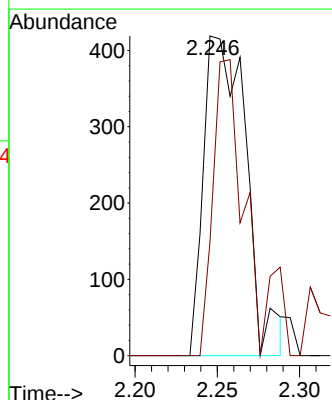
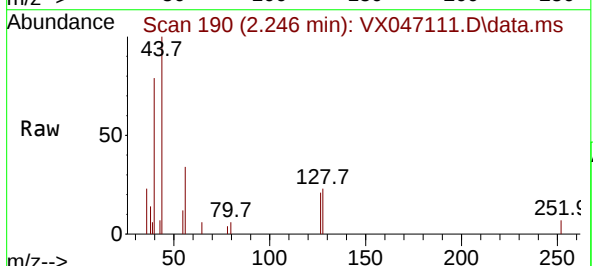
Acq: 24 Jul 2025 12:03

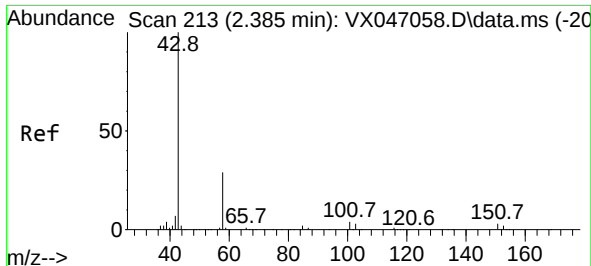
Tgt Ion: 56 Resp: 753

Ion Ratio Lower Upper

56 100

55 74.4 55.7 83.5

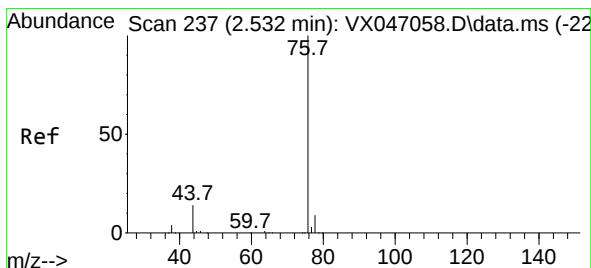
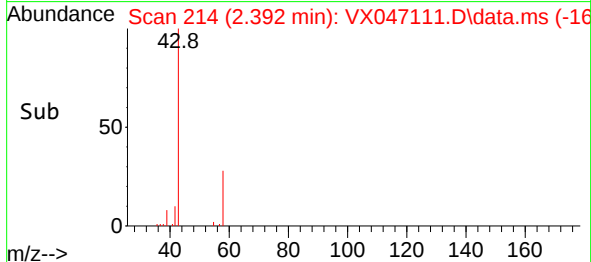
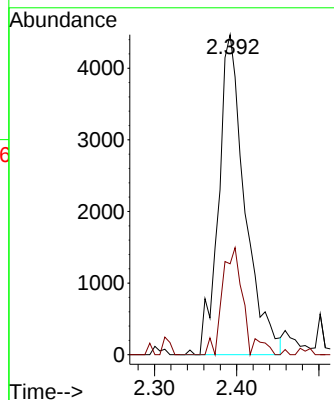
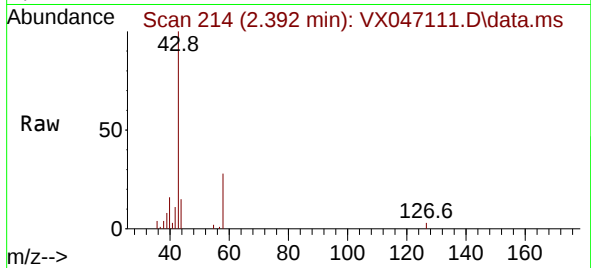




#16
Acetone
Concen: 4.525 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

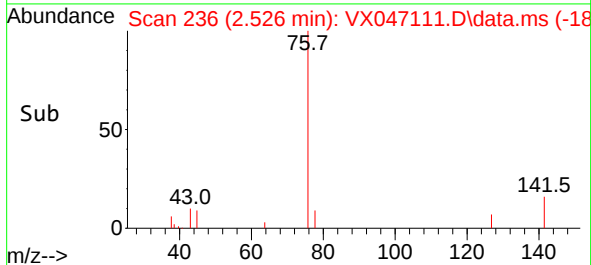
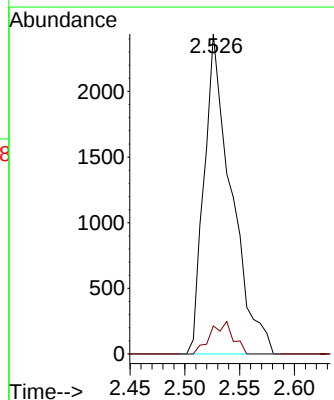
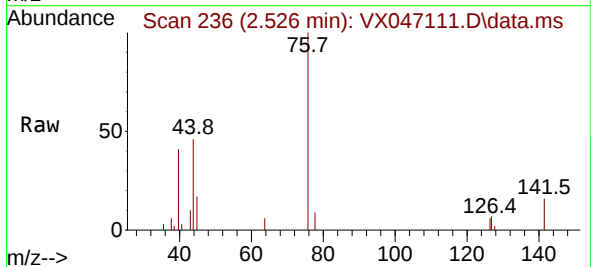
Instrument :
MSVOA_X
ClientSampleId :

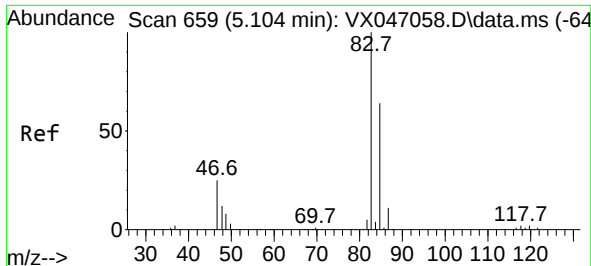
Tgt Ion: 43 Resp: 9911
Ion Ratio Lower Upper
43 100
58 26.0 24.0 36.0



#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Tgt Ion: 76 Resp: 4195
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4





#30

Chloroform

Concen: 0.343 ug/l

RT: 5.117 min Scan# 61

Delta R.T. 0.013 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

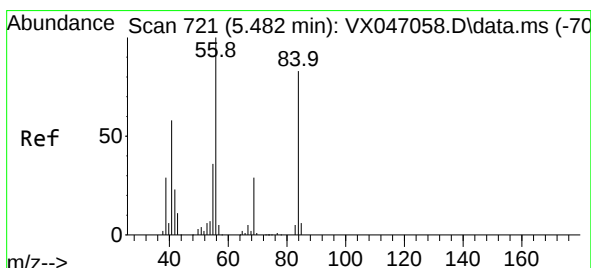
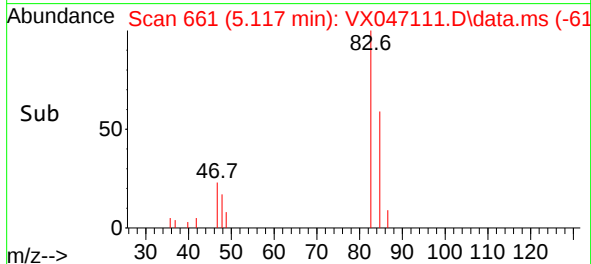
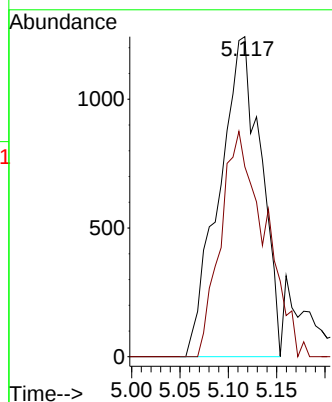
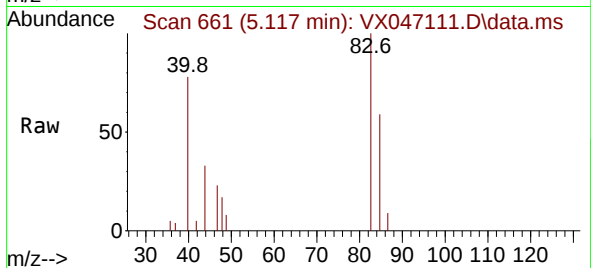
ClientSampleId :

Tgt Ion: 83 Resp: 3726

Ion Ratio Lower Upper

83 100

85 59.4 50.9 76.3



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.080 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

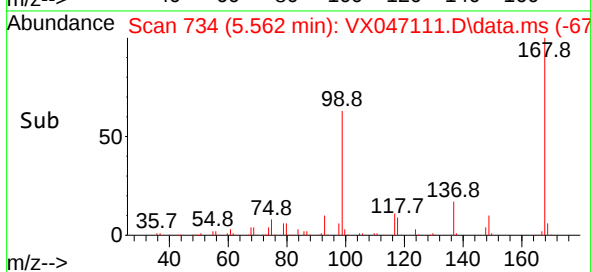
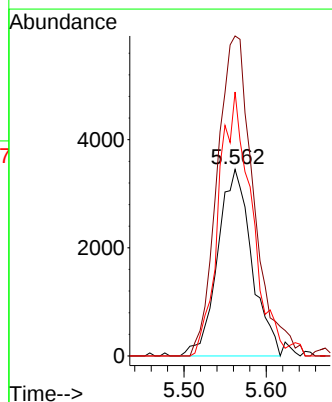
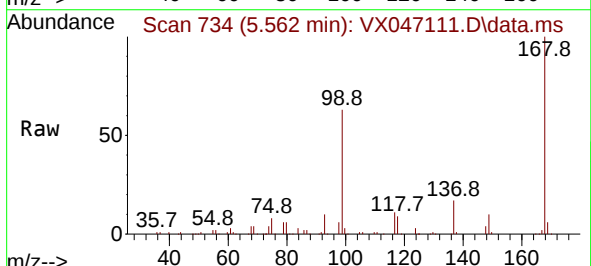
Tgt Ion: 56 Resp: 9923

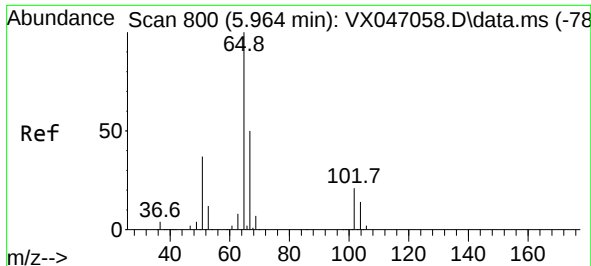
Ion Ratio Lower Upper

56 100

69 167.6 23.3 34.9#

84 138.3 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 57.049 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

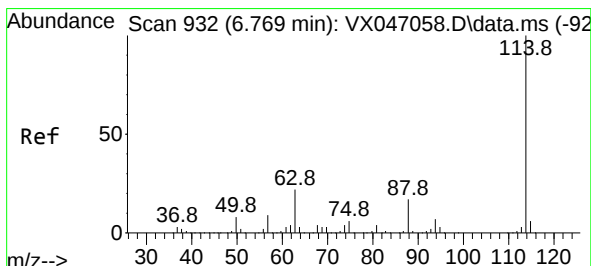
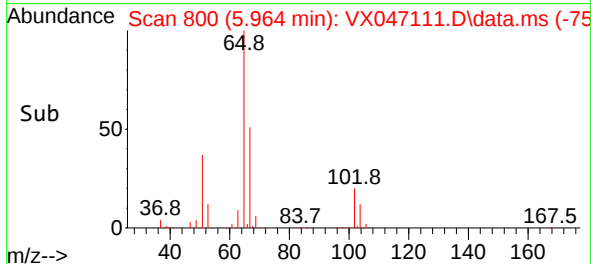
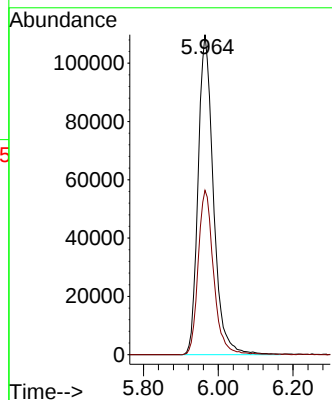
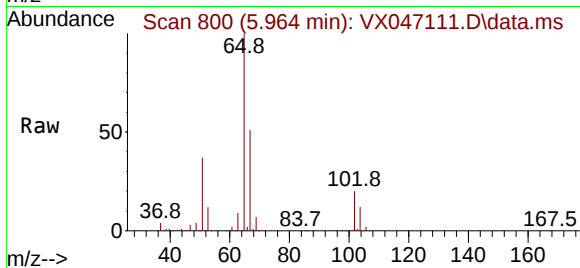
ClientSampleId :

Tgt Ion: 65 Resp: 311905

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

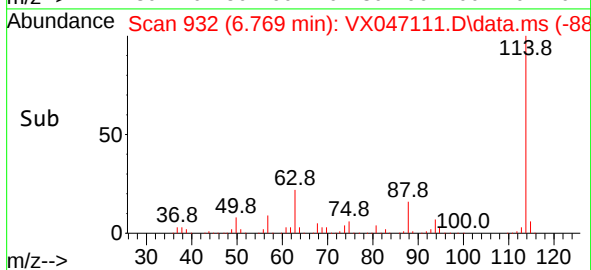
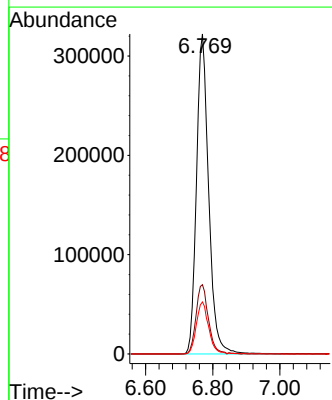
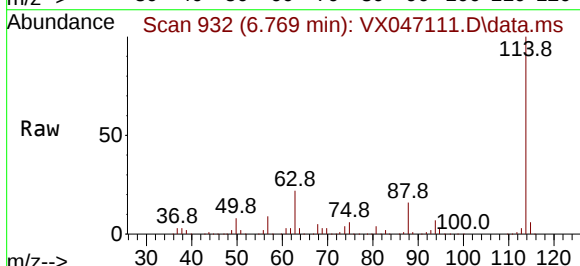
Tgt Ion: 114 Resp: 812279

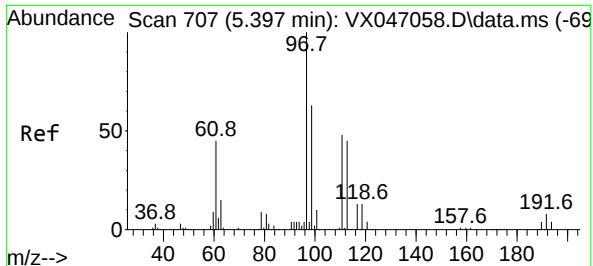
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.288 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

ClientSampleId :

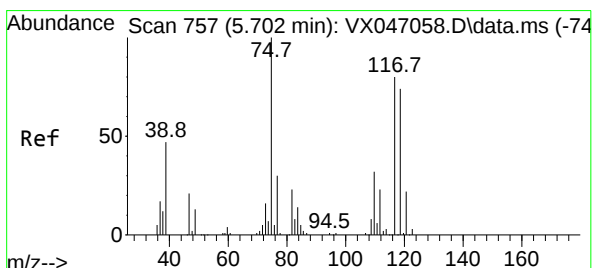
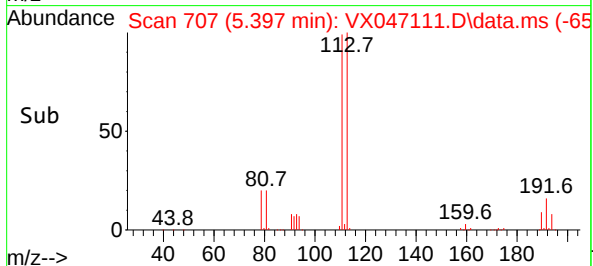
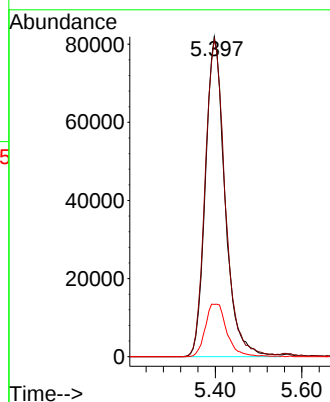
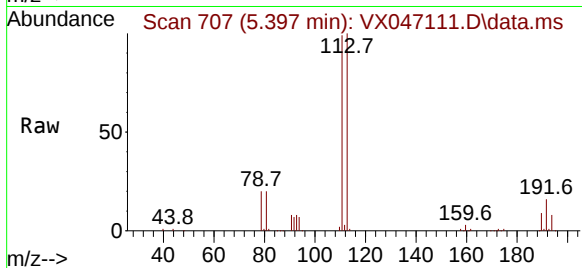
Tgt Ion:113 Resp: 257221

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.408 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

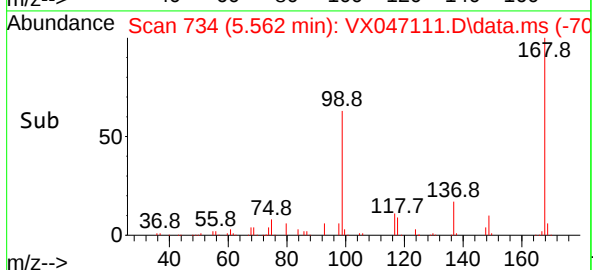
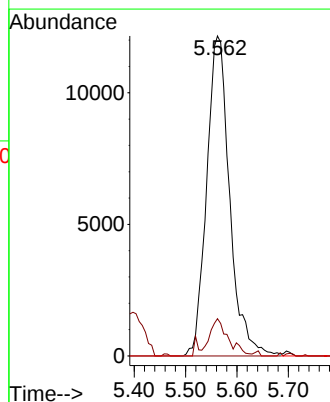
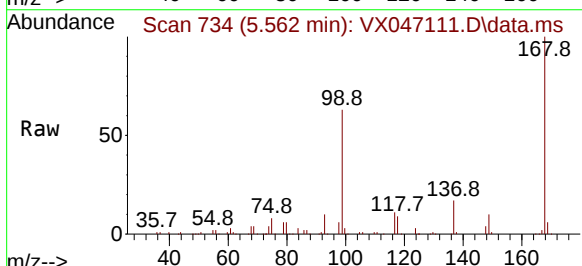
Tgt Ion: 75 Resp: 37680

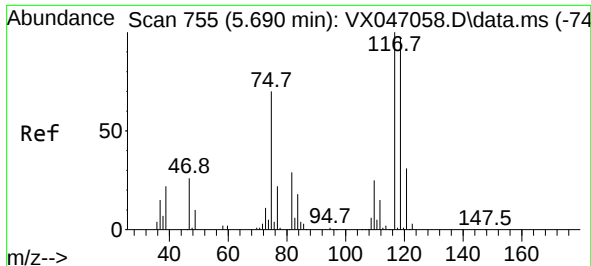
Ion Ratio Lower Upper

75 100

110 6.2 17.2 51.5#

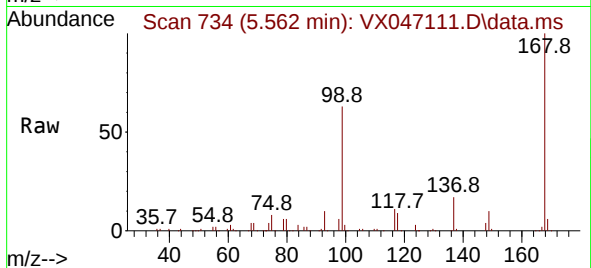
77 0.0 25.1 37.7#



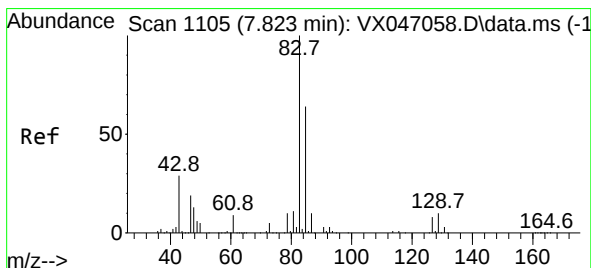
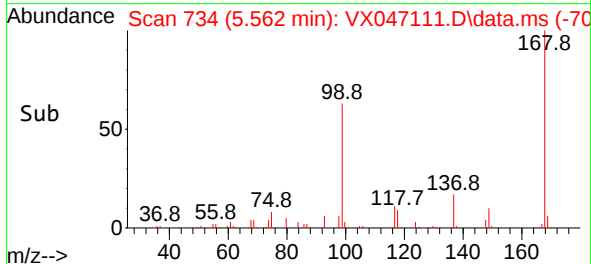
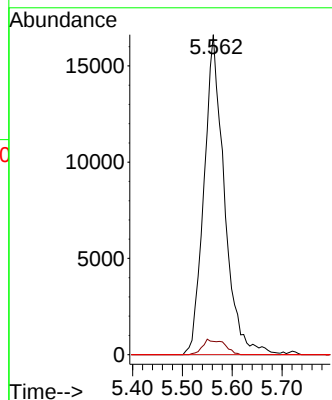


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Instrument :
MSVOA_X
ClientSampleId :

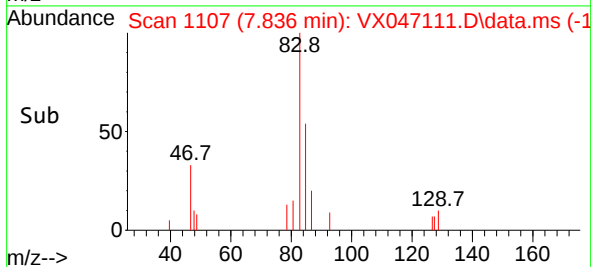
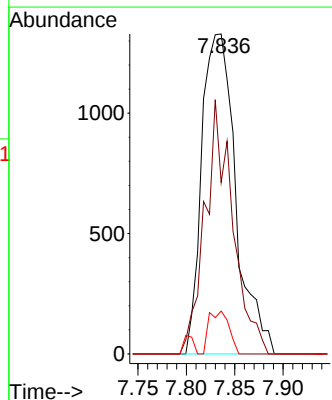
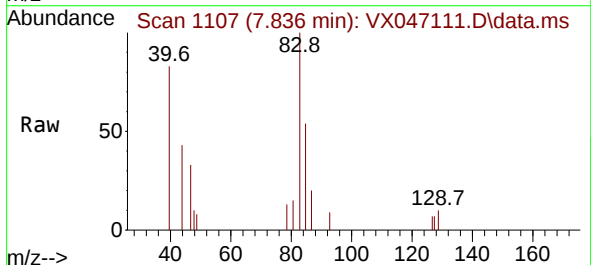


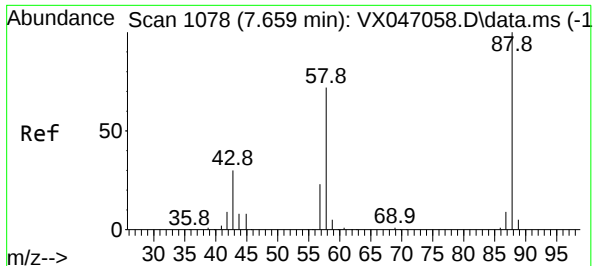
Tgt Ion:117 Resp: 47288
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.4 36.6#



#47
Bromodichloromethane
Concen: 0.352 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.013 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Tgt Ion: 83 Resp: 3253
Ion Ratio Lower Upper
83 100
85 53.6 49.9 74.9
127 13.4 6.6 10.0#





#49

1,4-Dioxane

Concen: 2.208 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX047111.D

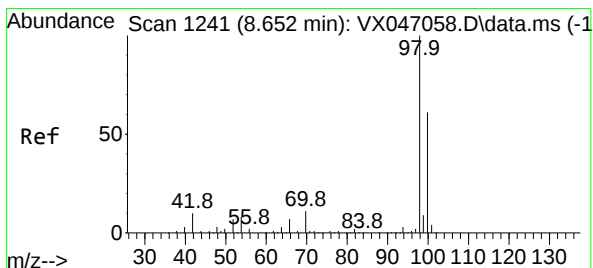
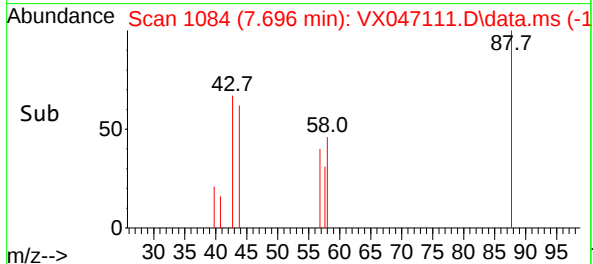
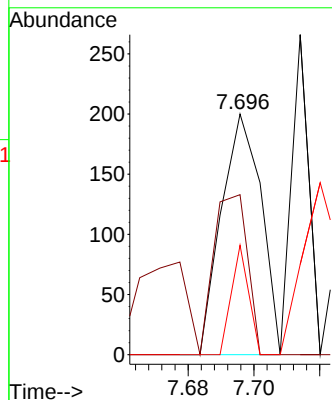
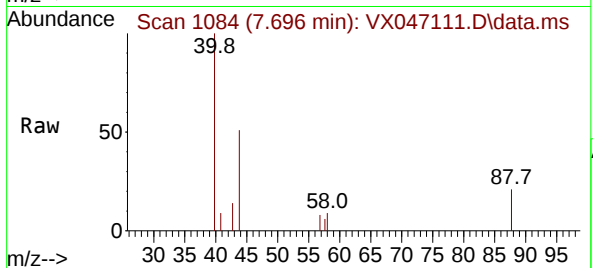
Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	168
Ion	Ratio	Lower	Upper
88	100		
43	56.5	33.6	50.4#
58	19.6	58.8	88.2#



#50

Toluene-d8

Concen: 56.786 ug/l

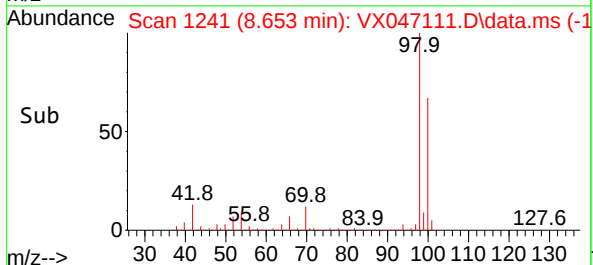
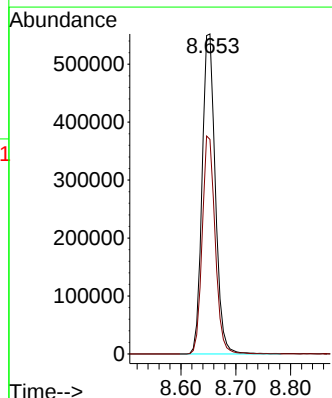
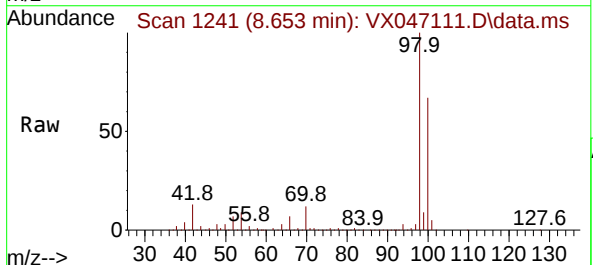
RT: 8.653 min Scan# 1241

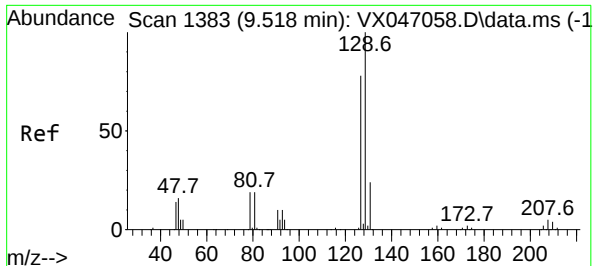
Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Tgt Ion:	98	Resp:	922306
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





#60

Dibromochloromethane

Concen: 0.516 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.007 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

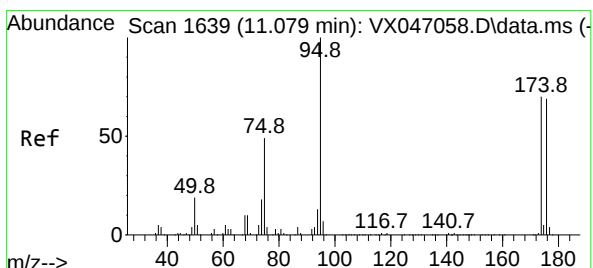
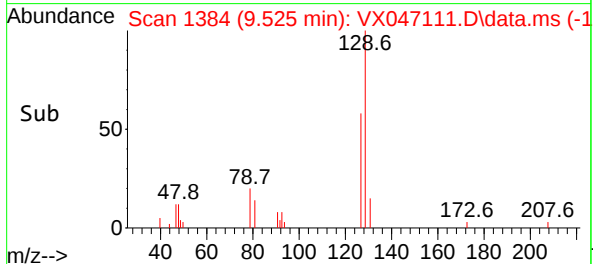
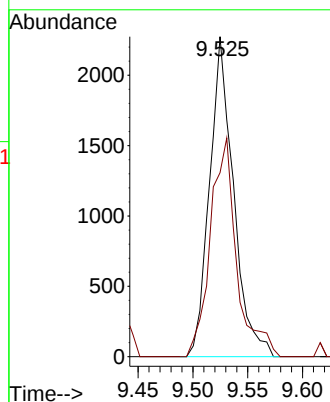
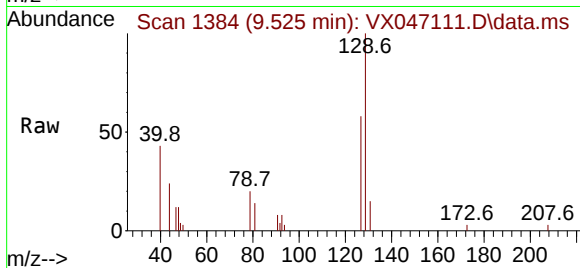
ClientSampleId :

Tgt Ion:129 Resp: 3453

Ion Ratio Lower Upper

129 100

127 74.9 38.6 115.8



#62

4-Bromofluorobenzene

Concen: 55.102 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

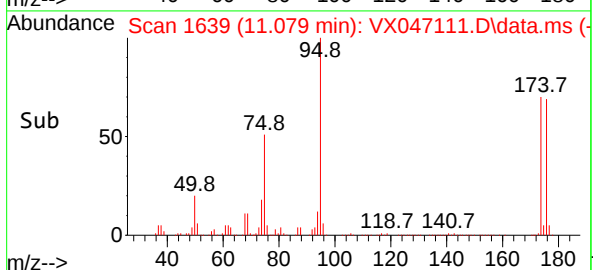
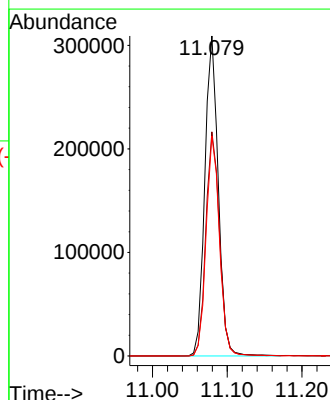
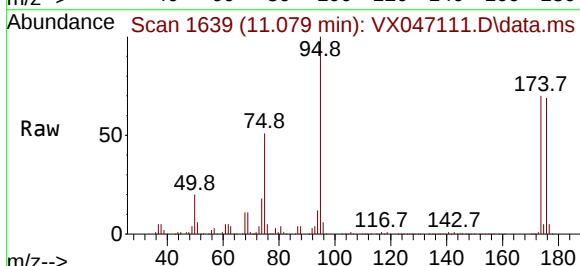
Tgt Ion: 95 Resp: 385676

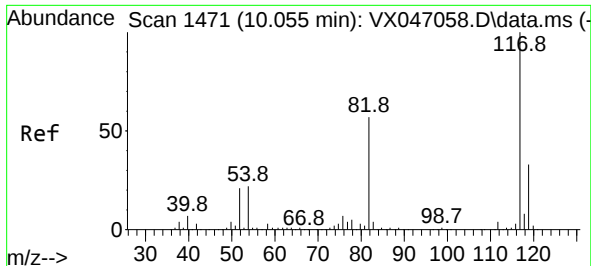
Ion Ratio Lower Upper

95 100

174 71.4 0.0 144.6

176 68.3 0.0 139.6

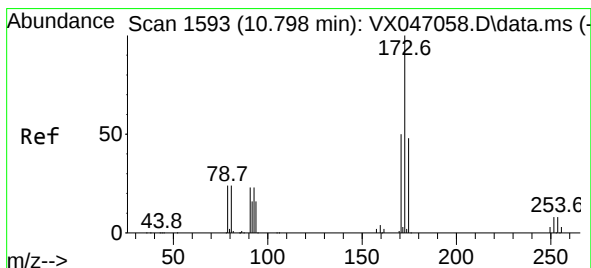
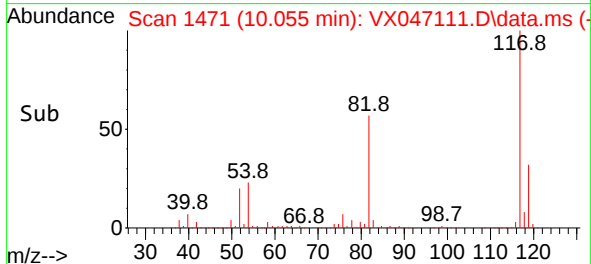
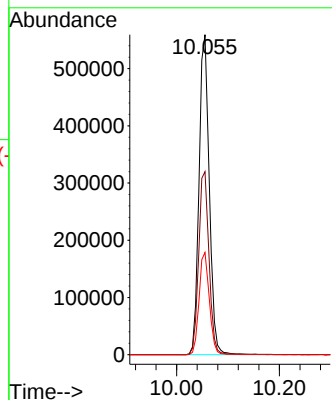
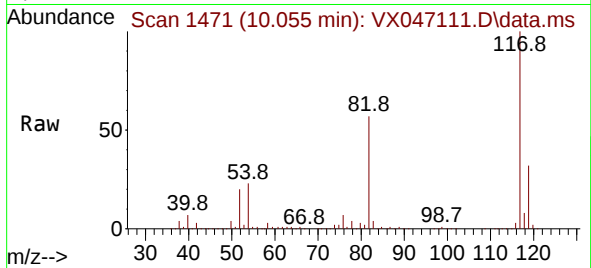




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

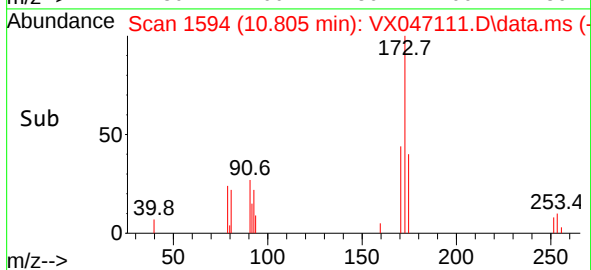
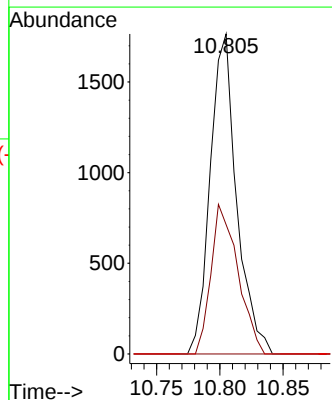
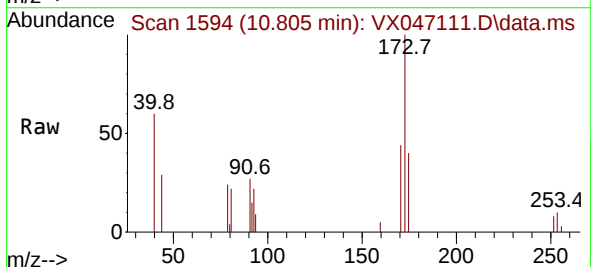
Instrument :
MSVOA_X
ClientSampleId :

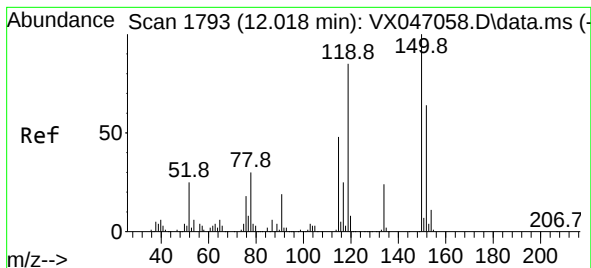
Tgt Ion:117 Resp: 775011
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.552 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.007 min
Lab File: VX047111.D
Acq: 24 Jul 2025 12:03

Tgt Ion:173 Resp: 2564
Ion Ratio Lower Upper
173 100
175 47.6 24.2 72.6
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047111.D

Acq: 24 Jul 2025 12:03

Instrument :

MSVOA_X

ClientSampleId :

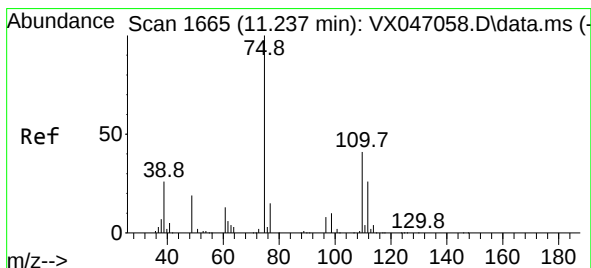
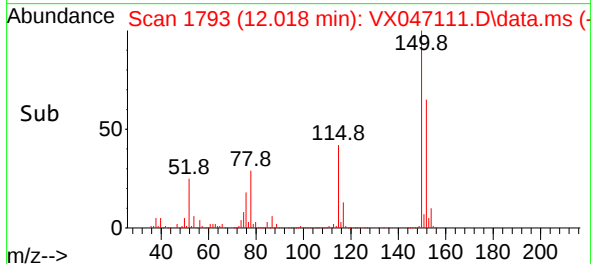
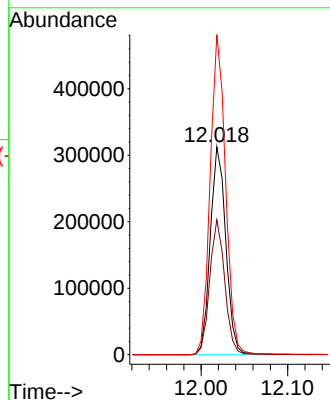
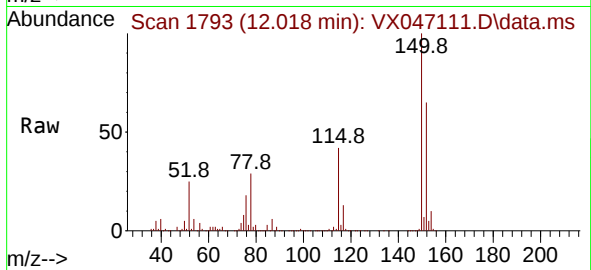
Tgt Ion:152 Resp: 390837

Ion Ratio Lower Upper

152 100

115 62.8 45.6 136.7

150 152.7 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 27.762 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047111.D

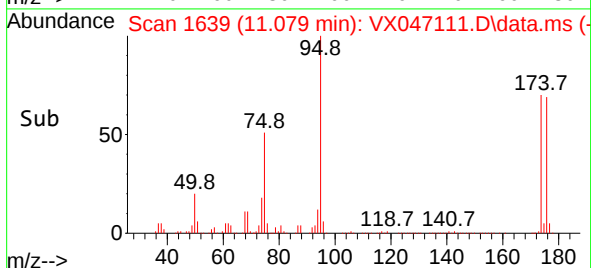
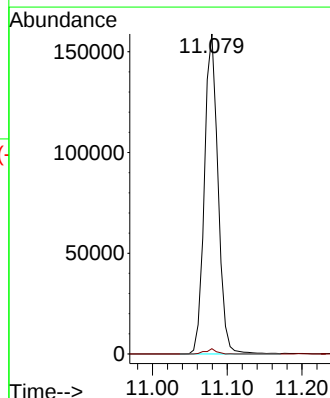
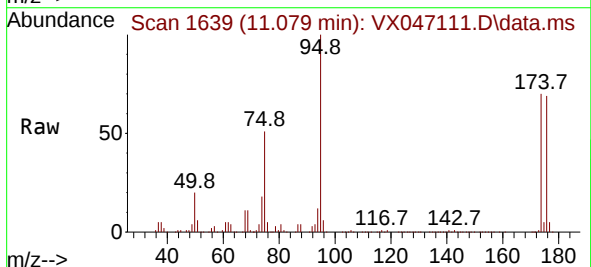
Acq: 24 Jul 2025 12:03

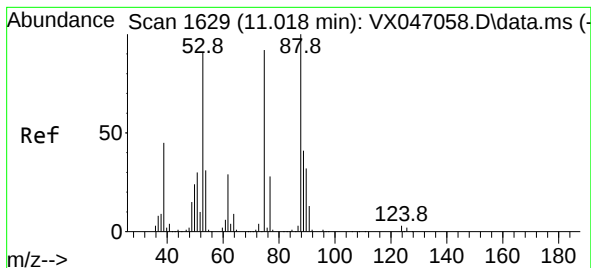
Tgt Ion: 75 Resp: 200833

Ion Ratio Lower Upper

75 100

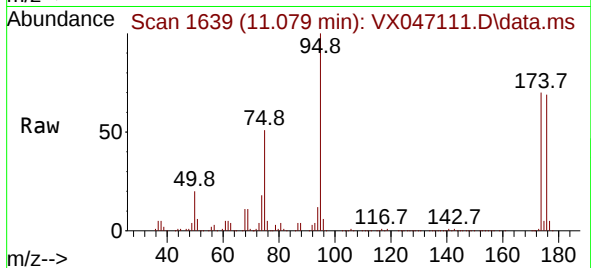
77 1.3 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.525 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047111.D
 Acq: 24 Jul 2025 12:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 200833
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

