

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047287.D
 Acq On : 12 Aug 2025 11:17
 Operator : JC/MD
 Sample : VX0812WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBL02

Quant Time: Aug 13 01:17:04 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)

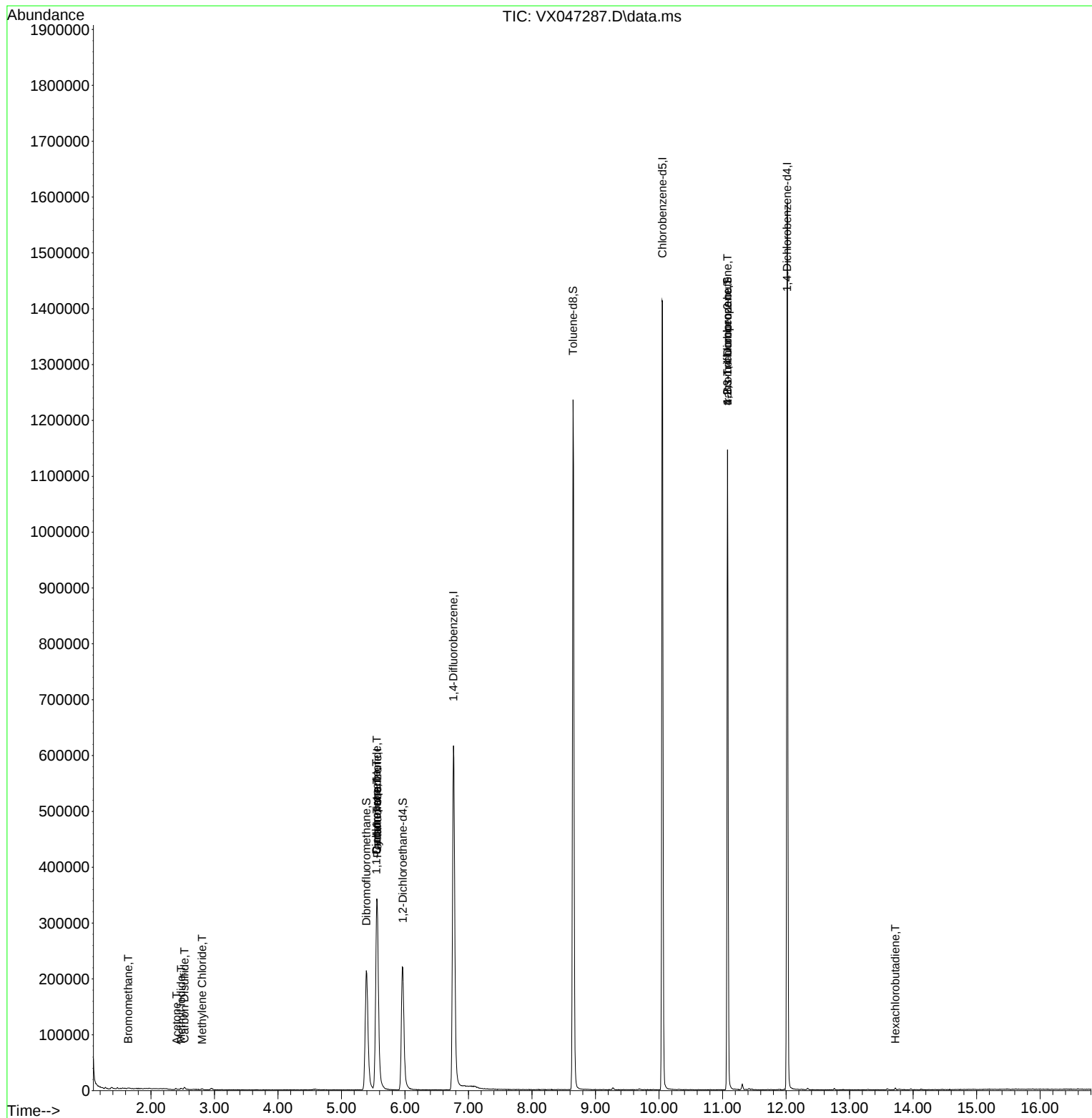
Internal Standards						
1) Pentafluorobenzene	5.562	168	346553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	664166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	641288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	313492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	241016	55.830	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.660%
35) Dibromofluoromethane	5.391	113	202875	49.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.940%
50) Toluene-d8	8.647	98	731358	55.071	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	110.140%
62) 4-Bromofluorobenzene	11.079	95	304518	53.209	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.420%
Target Compounds						
						Qvalue
5) Bromomethane	1.642	94	611	0.230	ug/l	92
10) Methyl Iodide	2.477	142	3216	0.718	ug/l #	71
11) Tert butyl alcohol	2.971	59	787	Below Cal	#	79
16) Acetone	2.404	43	3317	1.918	ug/l	89
17) Carbon Disulfide	2.526	76	3946	0.313	ug/l	96
20) Methylene Chloride	2.806	84	987	0.207	ug/l #	69
31) Cyclohexane	5.556	56	7017	0.869	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	29858	4.271	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36008	4.826	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	158878	27.381	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	158878	70.543	ug/l #	8
94) Hexachlorobutadiene	13.719	225	493	0.204	ug/l	97

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

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Quant Title : SW846 8260
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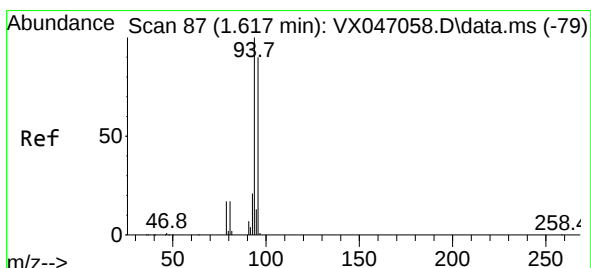
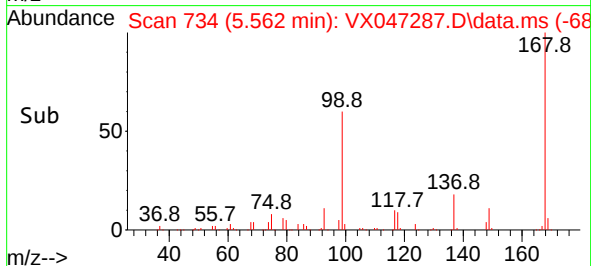
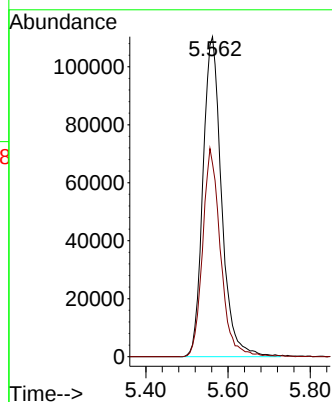
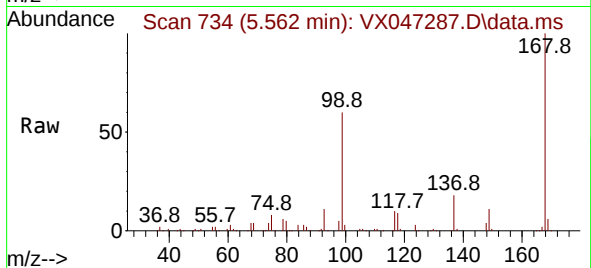




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

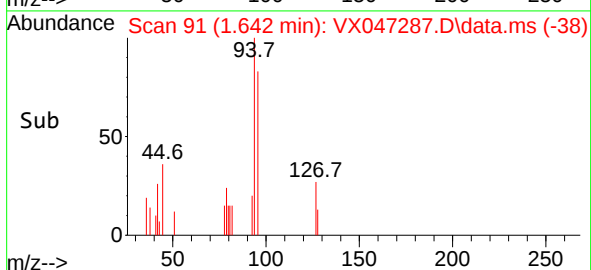
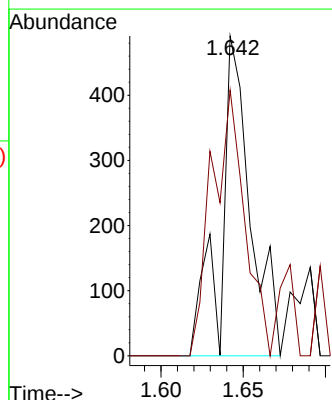
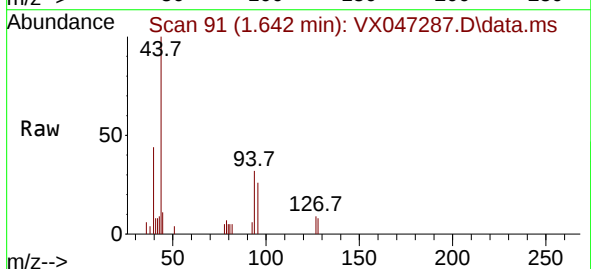
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

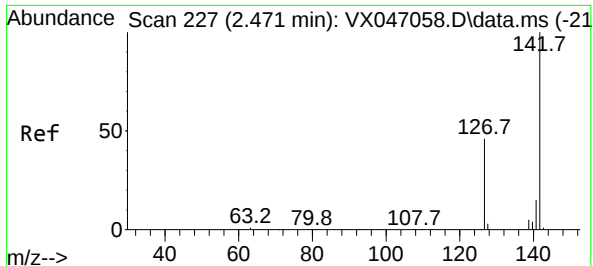
Tgt Ion:168 Resp: 346553
Ion Ratio Lower Upper
168 100
99 60.4 48.0 72.0



#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 94 Resp: 611
Ion Ratio Lower Upper
94 100
96 83.1 72.3 108.5

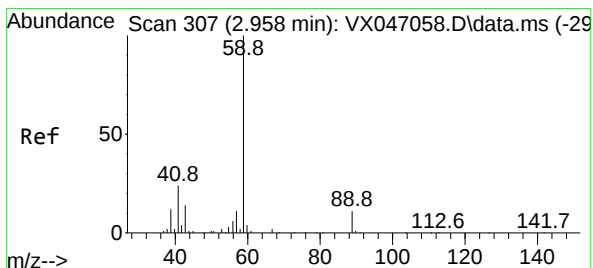
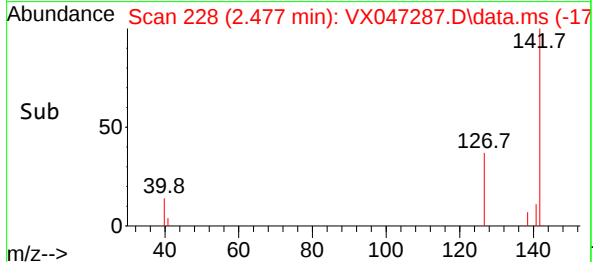
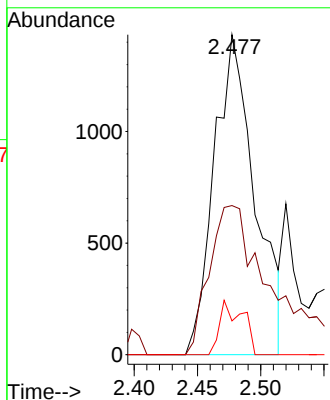
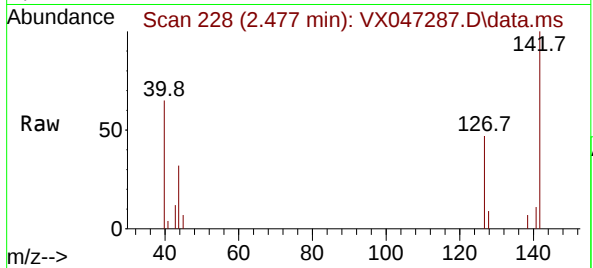




#10
Methyl Iodide
Concen: 0.718 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

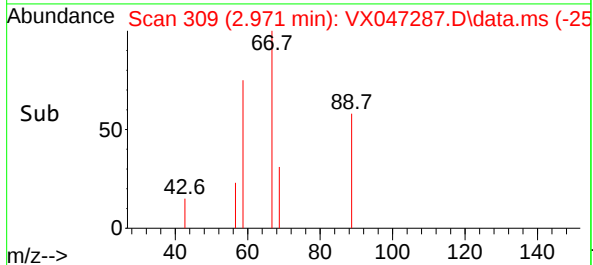
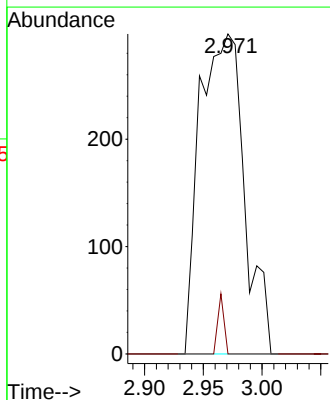
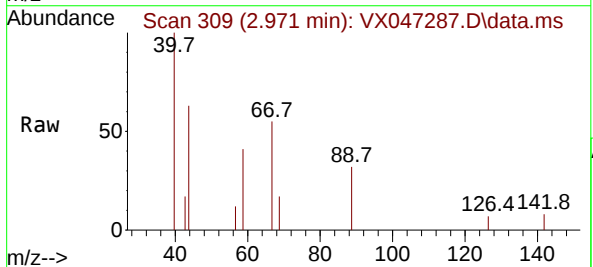
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

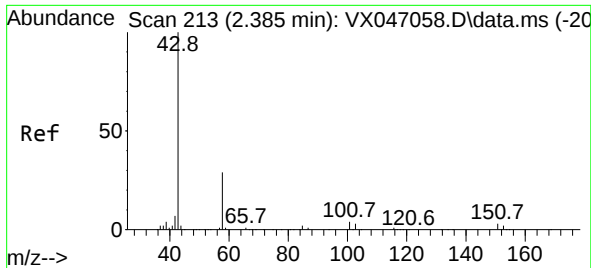
Tgt Ion:142 Resp: 3216
Ion Ratio Lower Upper
142 100
127 68.8 36.6 54.8#
141 9.5 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 59 Resp: 787
Ion Ratio Lower Upper
59 100
57 2.5 8.5 12.7#

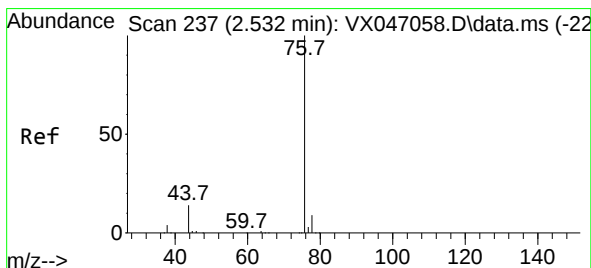
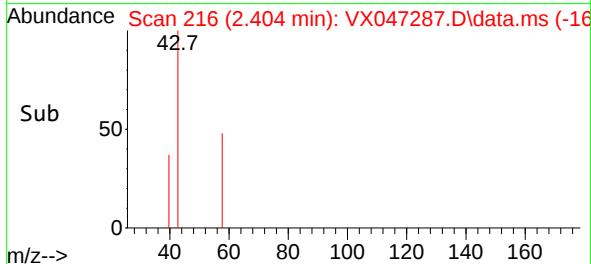
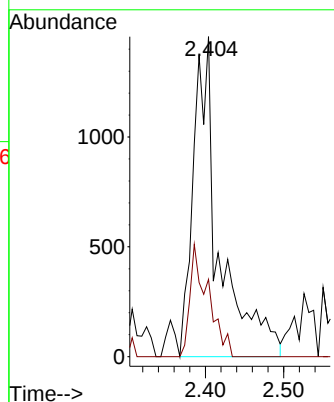
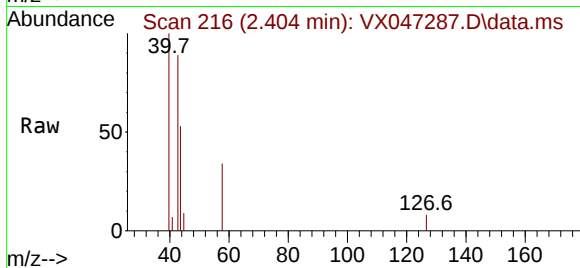




#16
Acetone
Concen: 1.918 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.019 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

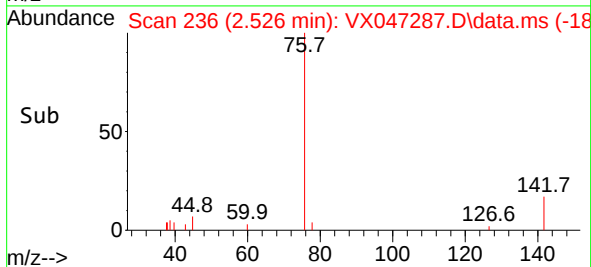
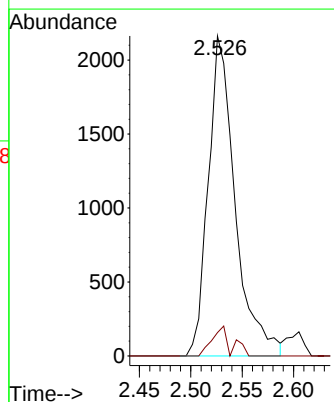
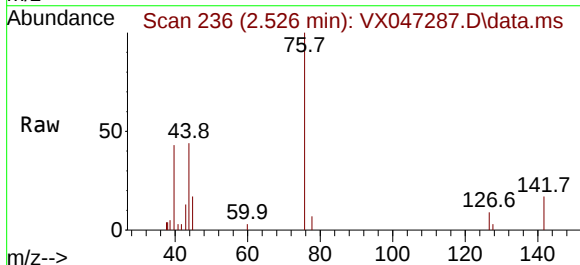
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

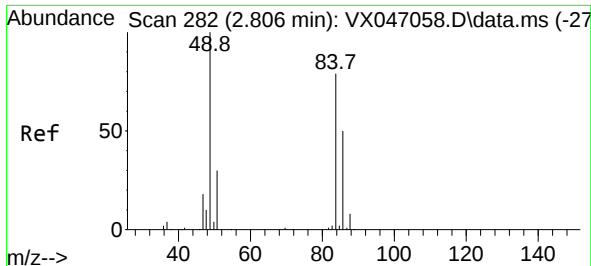
Tgt Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
58 24.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.313 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 76 Resp: 3946
Ion Ratio Lower Upper
76 100
78 7.3 7.0 10.4

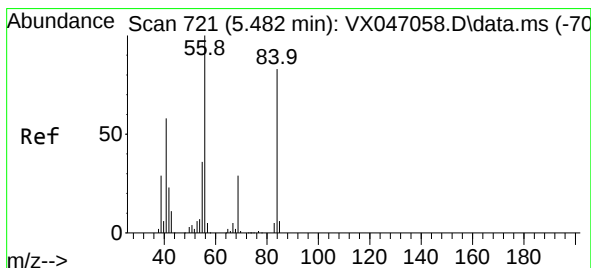
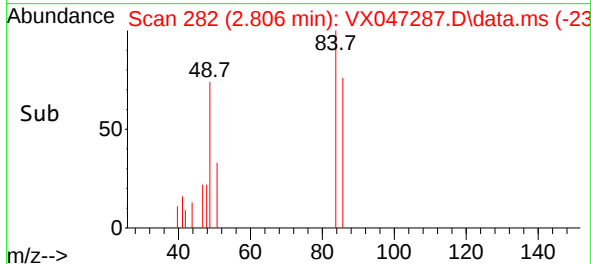
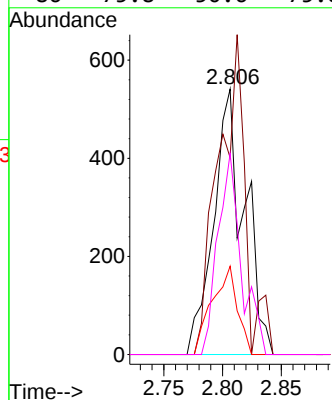
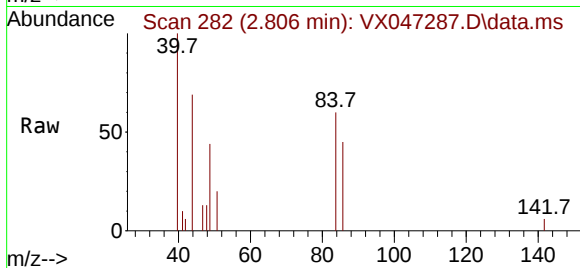




#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

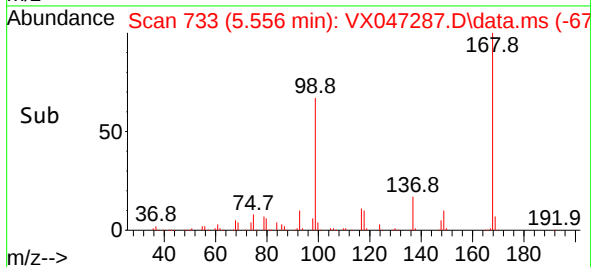
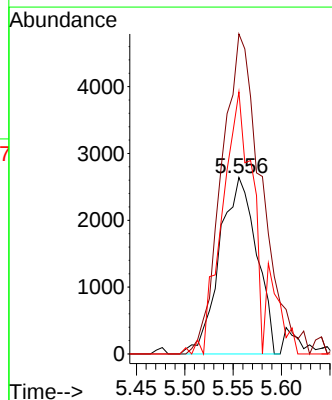
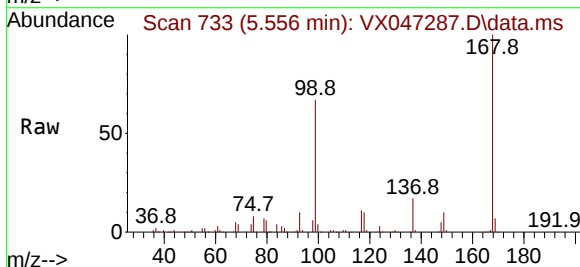
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

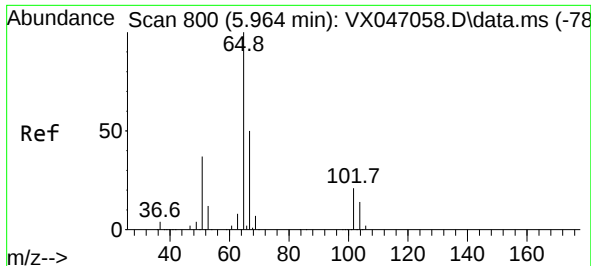
Tgt Ion:	84	Resp:	987
Ion	Ratio	Lower	Upper
84	100		
49	74.1	101.6	152.4#
51	33.3	30.3	45.5
86	75.8	50.6	75.8



#31
Cyclohexane
Concen: 0.869 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.074 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion:	56	Resp:	7017
Ion	Ratio	Lower	Upper
56	100		
69	181.4	23.3	34.9#
84	148.5	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 55.830 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047287.D

Acq: 12 Aug 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

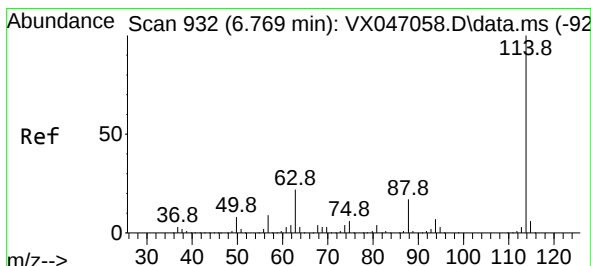
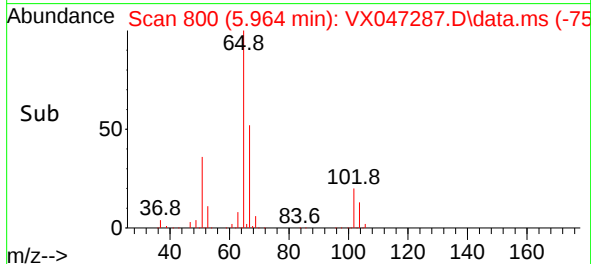
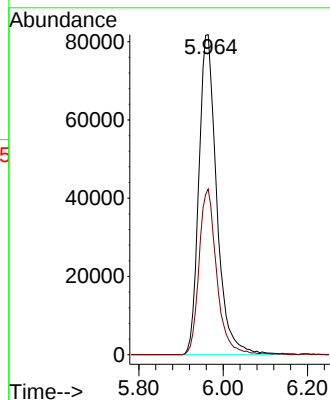
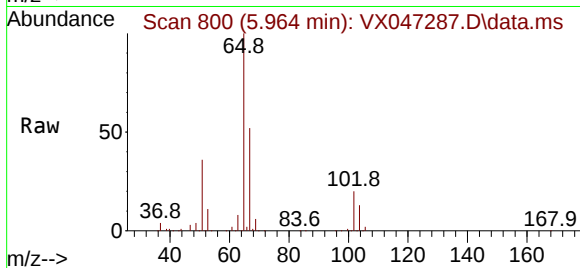
VX0812WBL02

Tgt Ion: 65 Resp: 241016

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047287.D

Acq: 12 Aug 2025 11:17

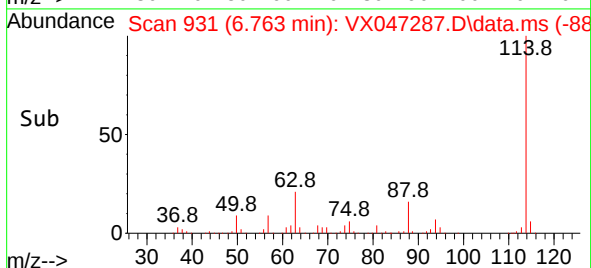
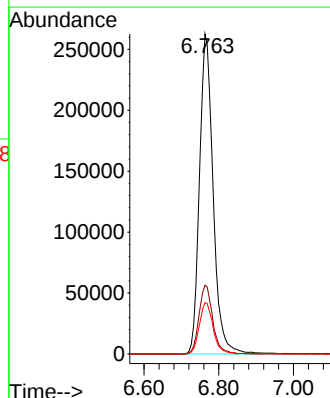
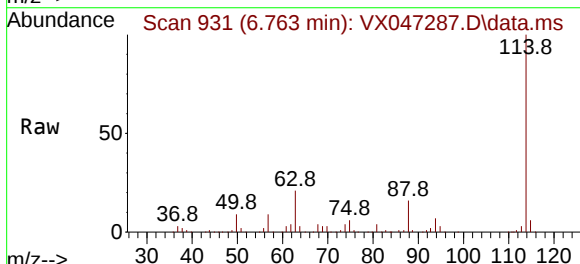
Tgt Ion: 114 Resp: 664166

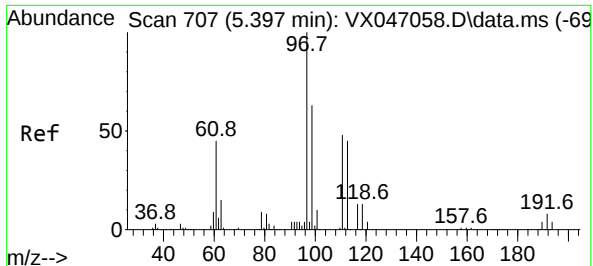
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 16.1 0.0 33.8

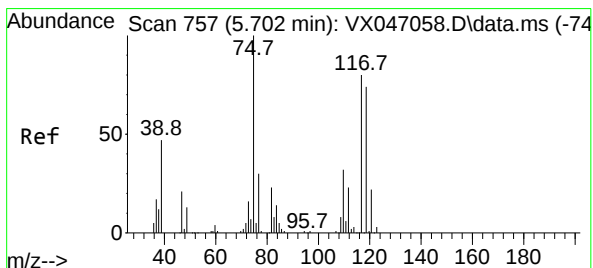
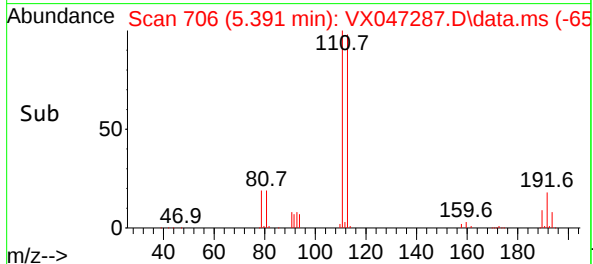
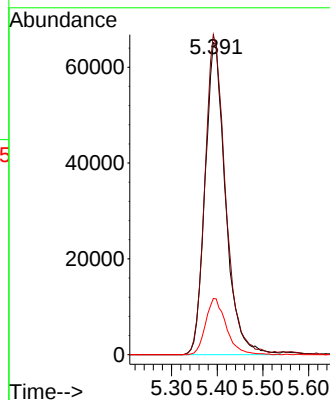
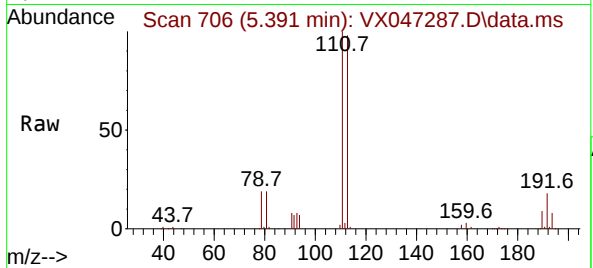




#35
Dibromofluoromethane
Concen: 49.472 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

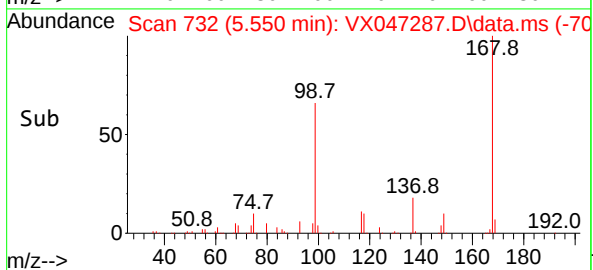
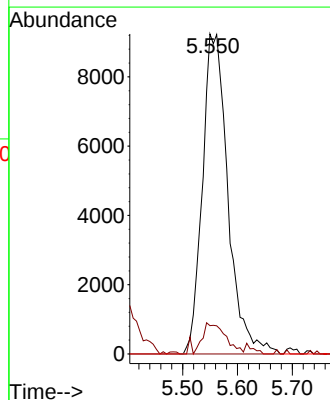
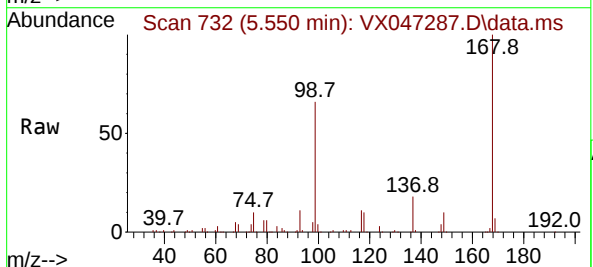
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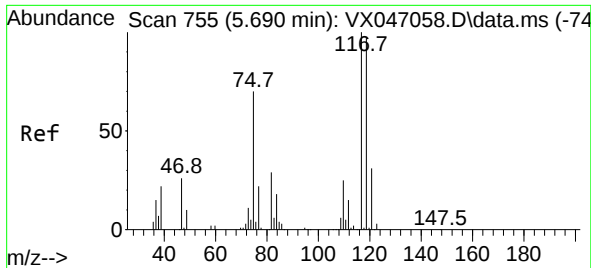
Tgt Ion:113 Resp: 202875
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.1 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.271 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.152 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 75 Resp: 29858
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.5#
77 0.0 25.1 37.7#

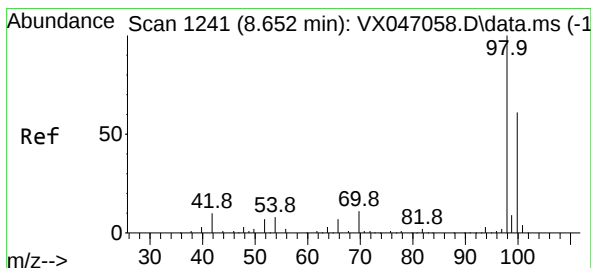
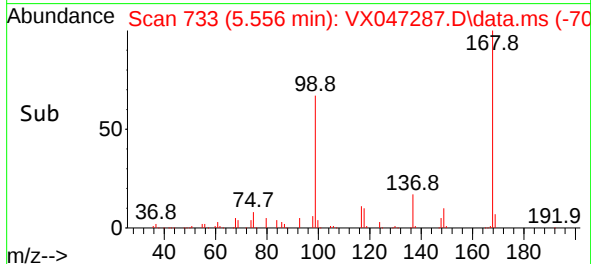
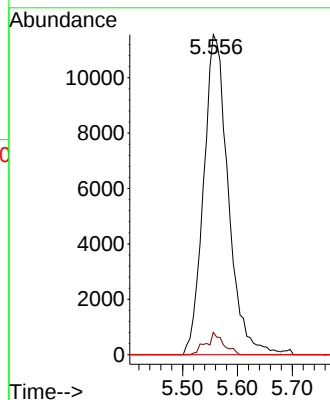
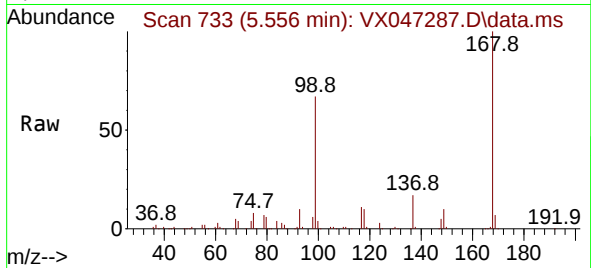




#38
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

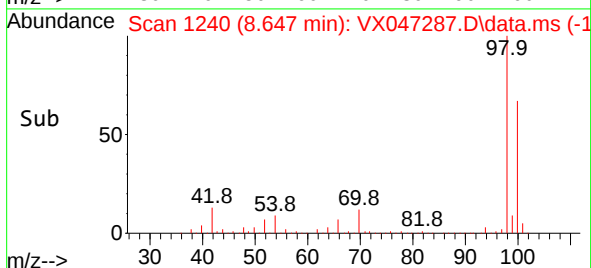
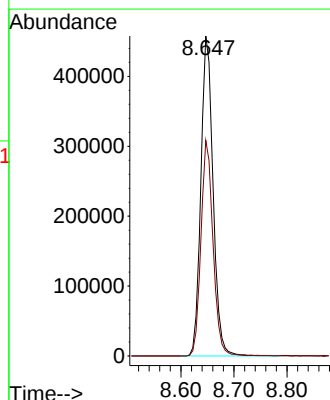
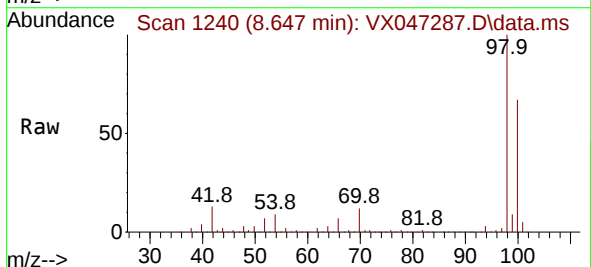
Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

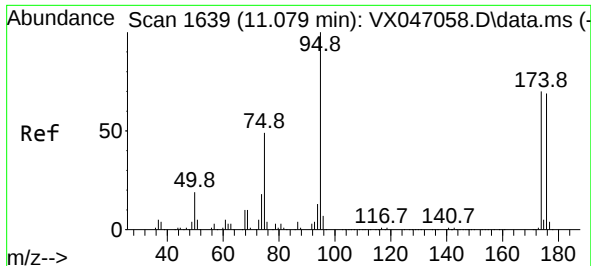
Tgt Ion:117 Resp: 36008
Ion Ratio Lower Upper
117 100
119 7.0 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.071 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 98 Resp: 731358
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 53.209 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047287.D

Acq: 12 Aug 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBL02

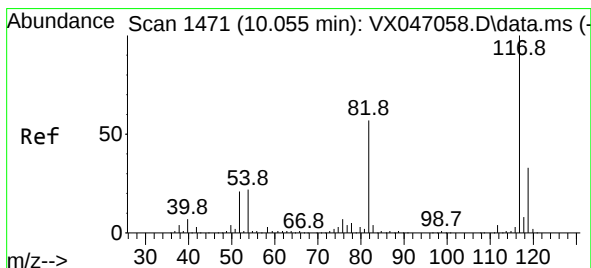
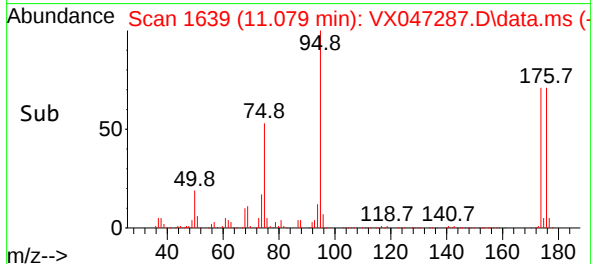
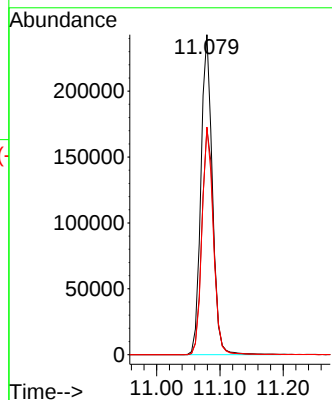
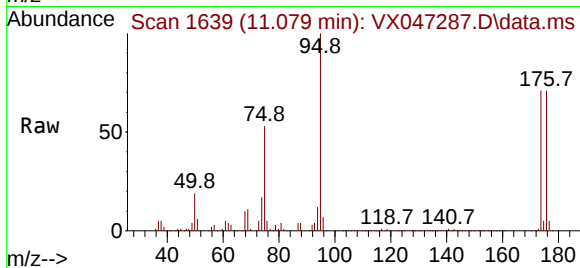
Tgt Ion: 95 Resp: 304518

Ion Ratio Lower Upper

95 100

174 73.2 0.0 144.6

176 70.9 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: VX047287.D

Acq: 12 Aug 2025 11:17

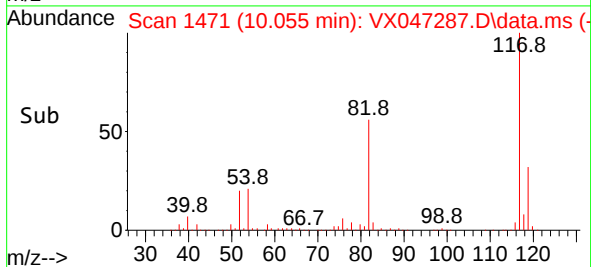
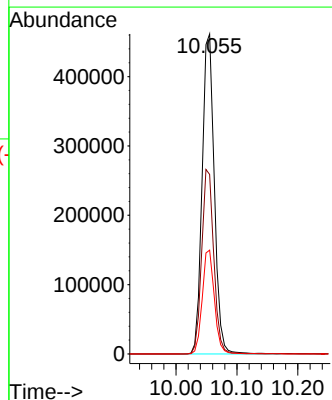
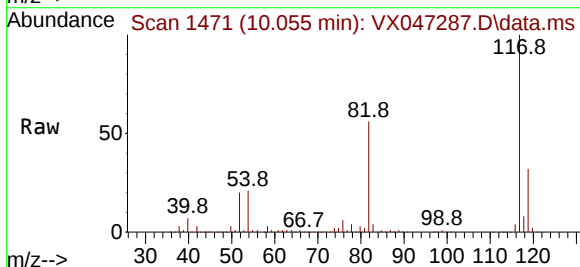
Tgt Ion: 117 Resp: 641288

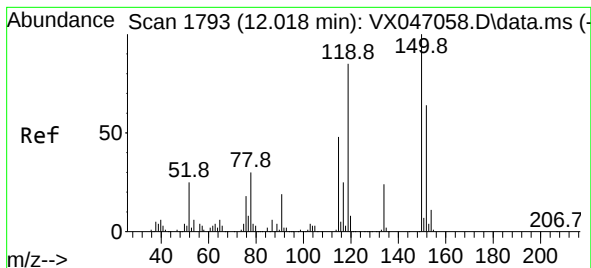
Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.2

119 32.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047287.D

Acq: 12 Aug 2025 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBL02

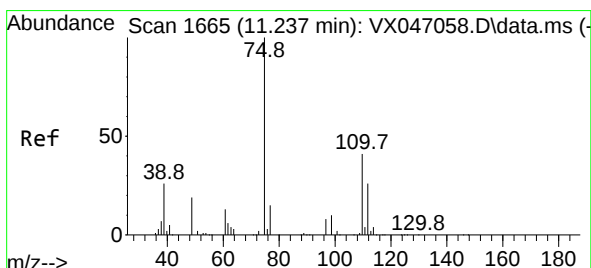
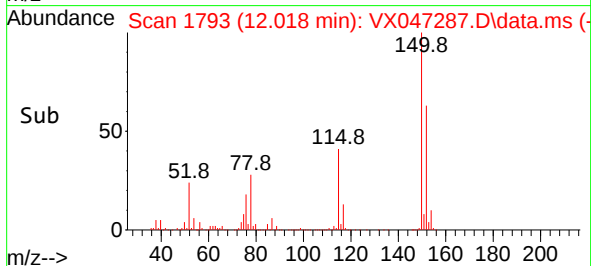
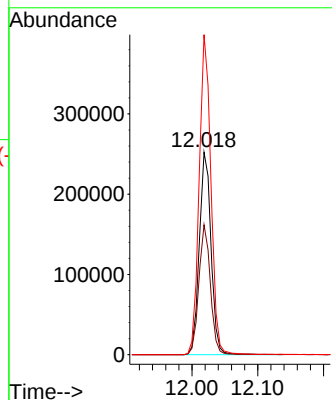
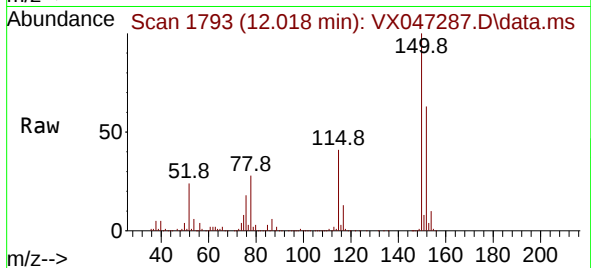
Tgt Ion:152 Resp: 313492

Ion Ratio Lower Upper

152 100

115 63.0 45.6 136.7

150 157.9 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 27.381 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047287.D

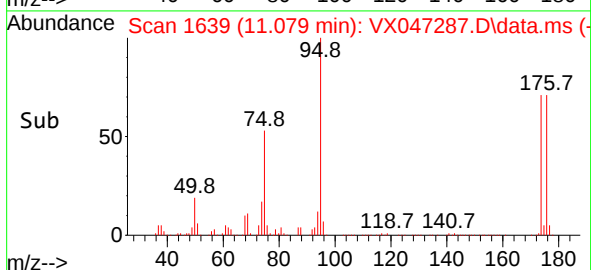
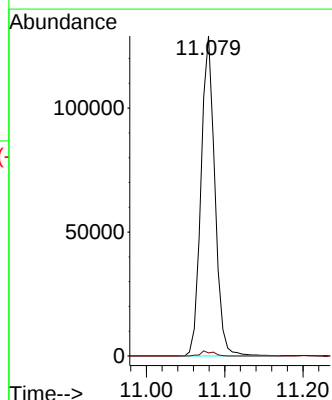
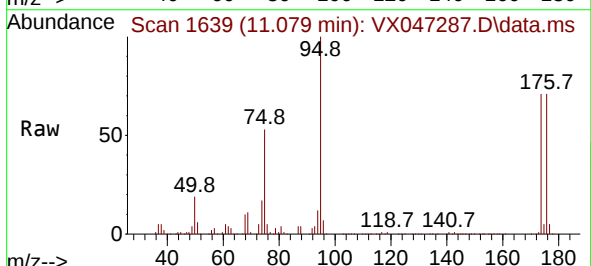
Acq: 12 Aug 2025 11:17

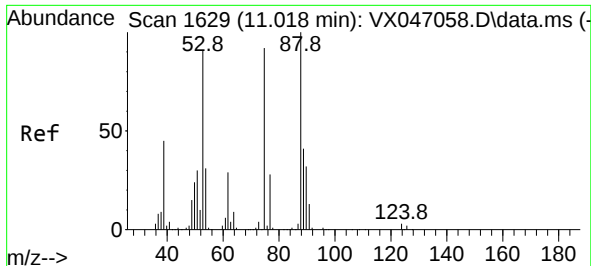
Tgt Ion: 75 Resp: 158878

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#

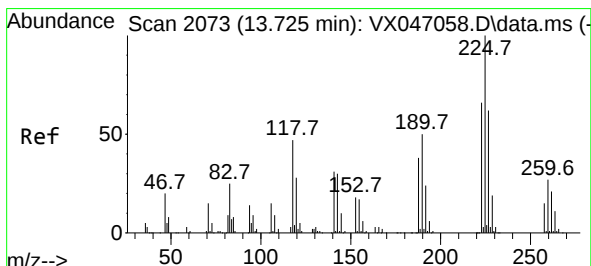
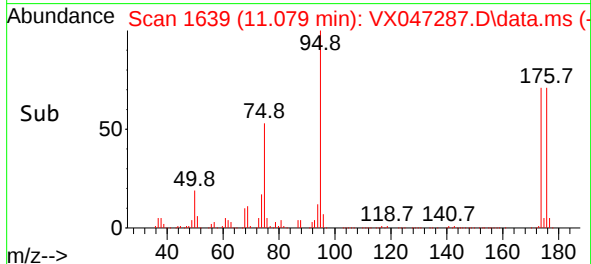
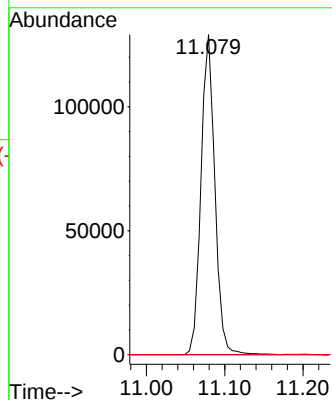
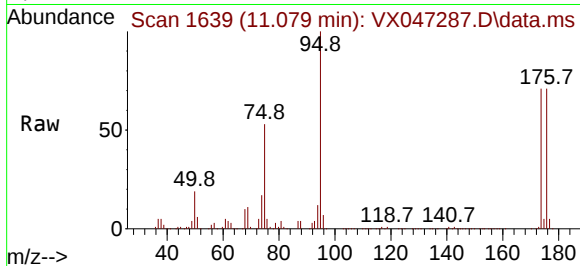




#81
trans-1,4-Dichloro-2-butene
Concen: 70.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion: 75 Resp: 158878
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 225 Resp: 493
Ion Ratio Lower Upper
225 100
223 66.7 31.6 95.0
227 67.5 32.9 98.6

