

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047364.D
 Acq On : 15 Aug 2025 15:53
 Operator : JC/MD
 Sample : Q2880-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

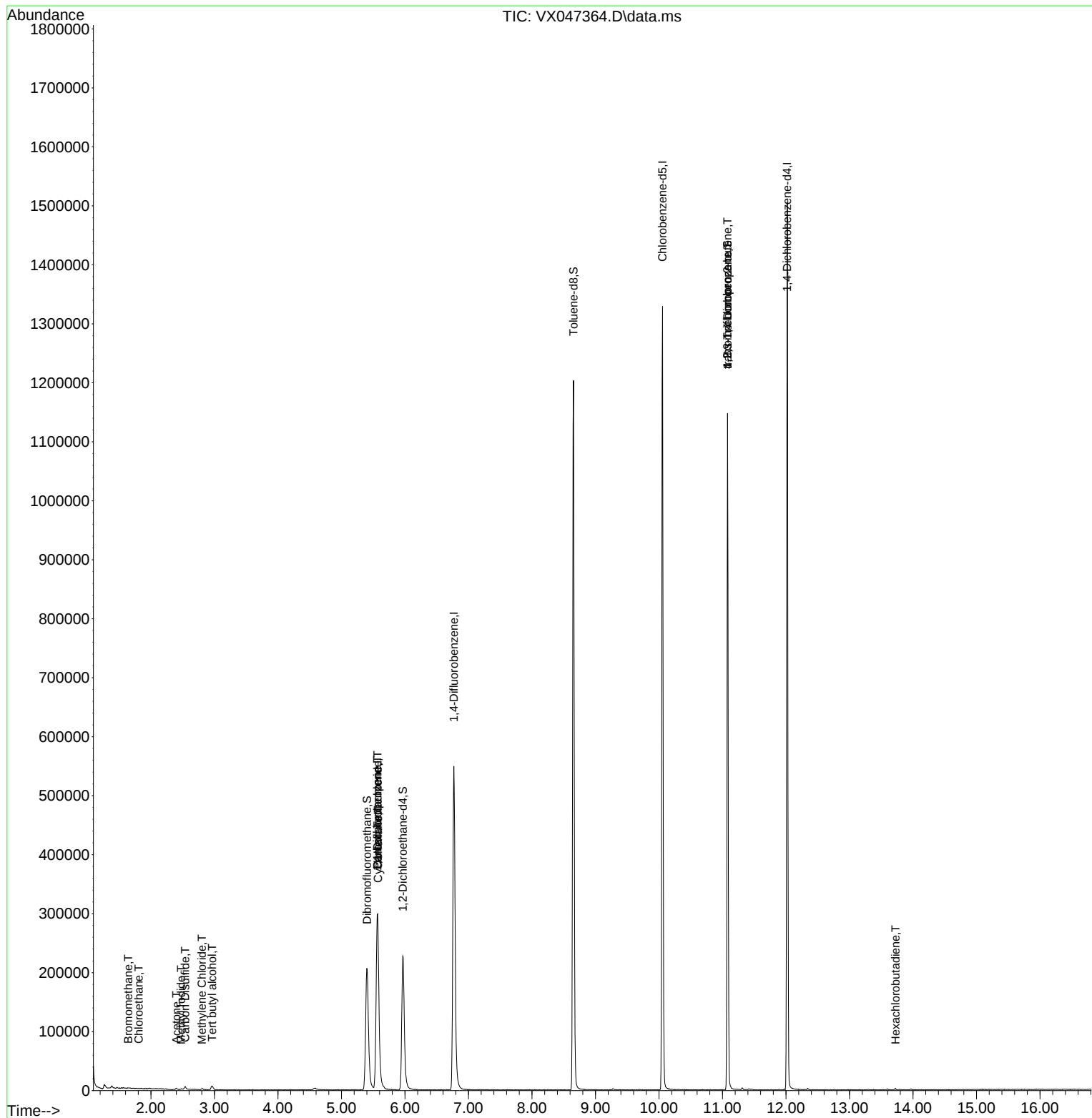
Internal Standards						
1) Pentafluorobenzene	5.568	168	304017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	589868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	577258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	288504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	237321	55.777	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.560%
35) Dibromofluoromethane	5.404	113	198238	51.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.560%
50) Toluene-d8	8.653	98	724721	52.964	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.920%
62) 4-Bromofluorobenzene	11.079	95	298710	59.157	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.320%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	361	0.204	ug/l #	78
6) Chloroethane	1.807	64	694	0.259	ug/l #	44
10) Methyl Iodide	2.477	142	2654	0.412	ug/l #	84
11) Tert butyl alcohol	2.965	59	3332	9.002	ug/l #	85
16) Acetone	2.398	43	3395	2.123	ug/l	95
17) Carbon Disulfide	2.538	76	3327	0.288	ug/l #	75
20) Methylene Chloride	2.800	84	1174	0.277	ug/l #	72
31) Cyclohexane	5.574	56	6791	0.992	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	25286	4.184	ug/l #	50
38) Carbon Tetrachloride	5.568	117	31682	4.797	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	153760	29.058	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	153760	114.306	ug/l #	7
94) Hexachlorobutadiene	13.725	225	495	0.208	ug/l	97

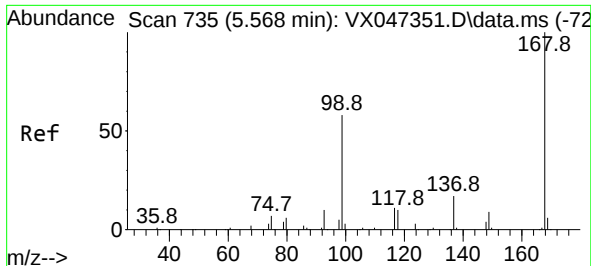
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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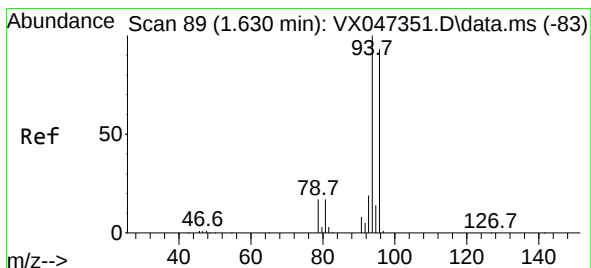
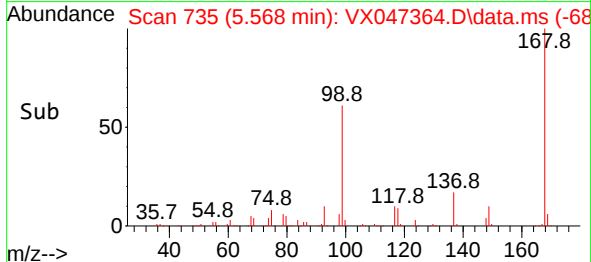
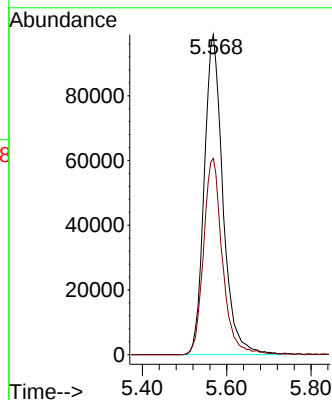
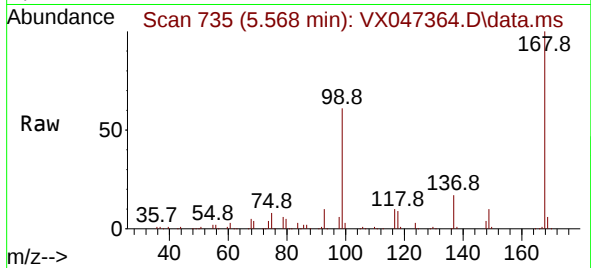




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

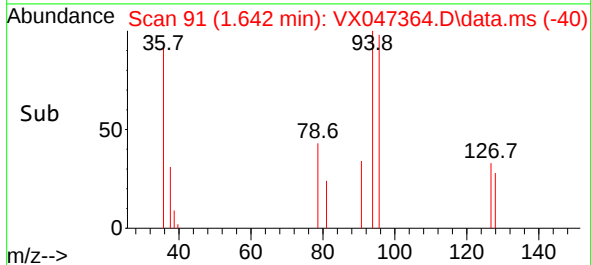
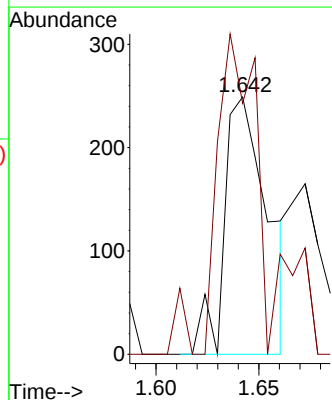
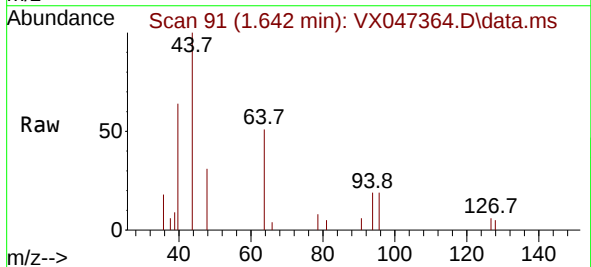
Instrument :
MSVOA_X
ClientSampleId :

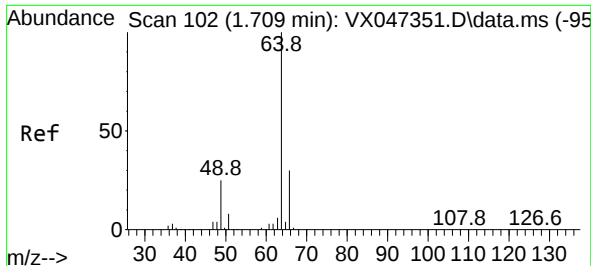
Tgt Ion:168 Resp: 304017
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 71.9 74.7 112.1#

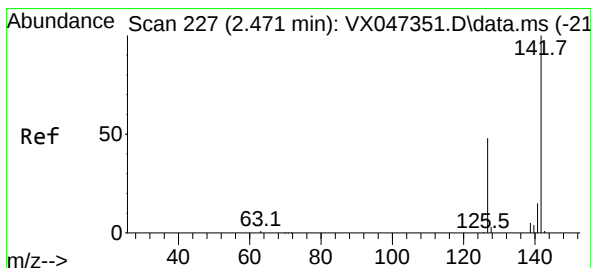
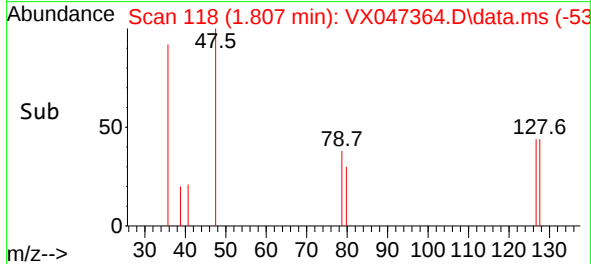
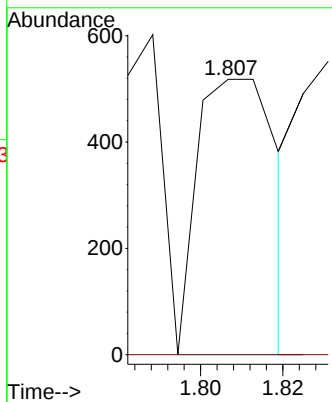
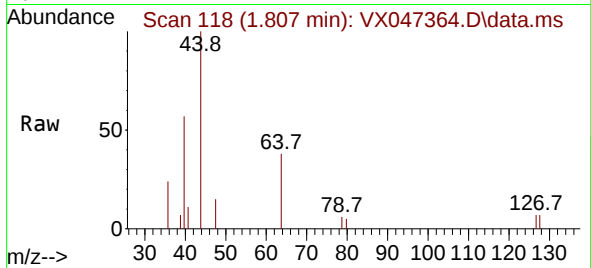




#6
Chloroethane
Concen: 0.259 ug/l
RT: 1.807 min Scan# 11
Delta R.T. 0.098 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

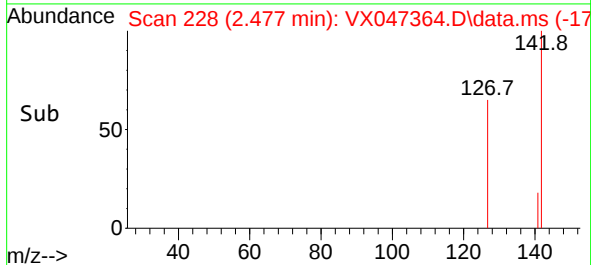
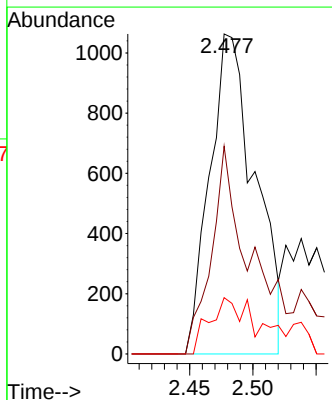
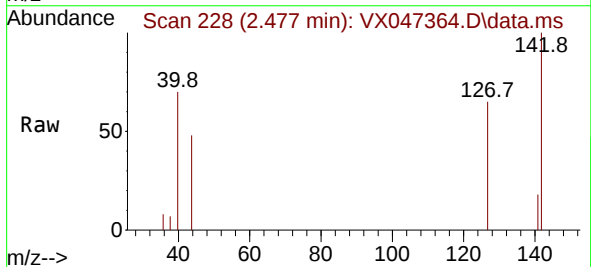
Instrument :
MSVOA_X
ClientSampleId :

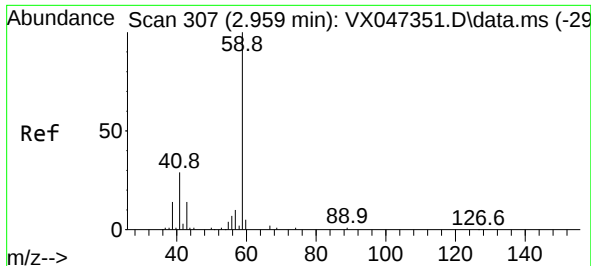
Tgt Ion: 64 Resp: 694
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.412 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

Tgt Ion:142 Resp: 2654
Ion Ratio Lower Upper
142 100
127 57.1 36.1 54.1#
141 16.8 11.1 16.7#





#11

Tert butyl alcohol

Concen: 9.002 ug/l

RT: 2.965 min Scan# 30

Delta R.T. 0.006 min

Lab File: VX047364.D

Acq: 15 Aug 2025 15:53

Instrument :

MSVOA_X

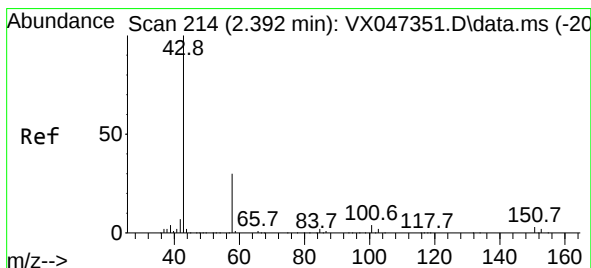
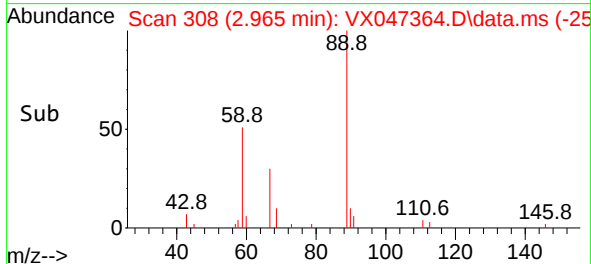
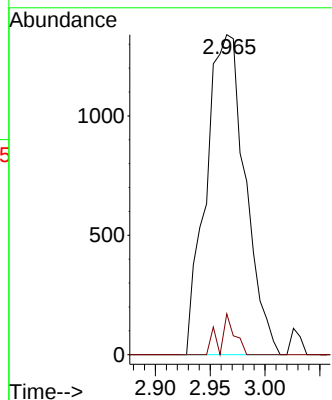
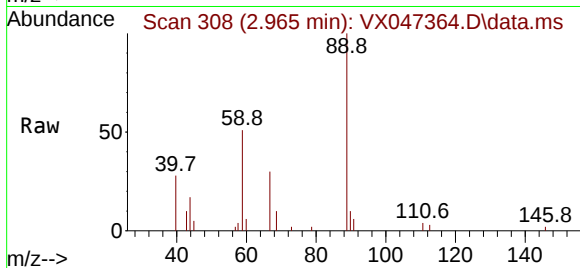
ClientSampleId :

Tgt Ion: 59 Resp: 3332

Ion Ratio Lower Upper

59 100

57 4.8 8.3 12.5#



#16

Acetone

Concen: 2.123 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047364.D

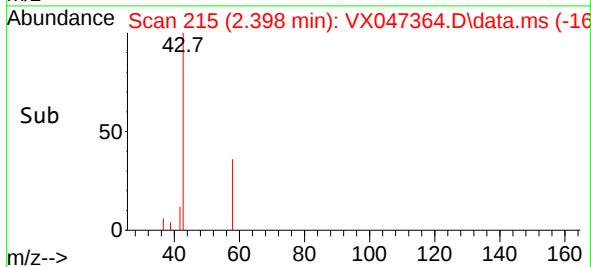
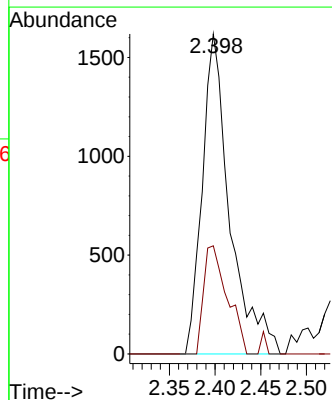
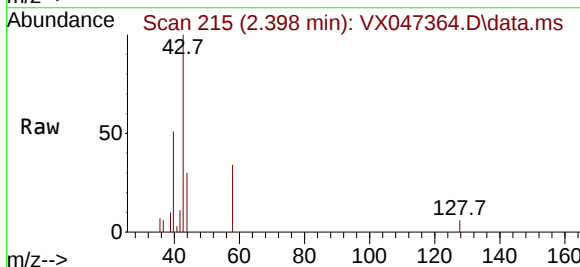
Acq: 15 Aug 2025 15:53

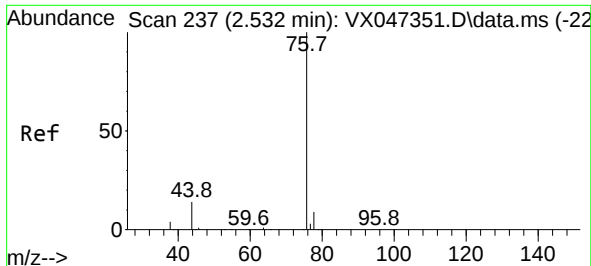
Tgt Ion: 43 Resp: 3395

Ion Ratio Lower Upper

43 100

58 33.8 24.8 37.2

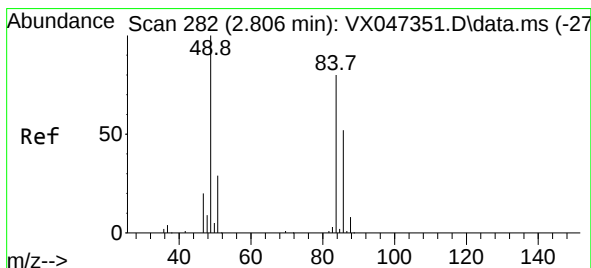
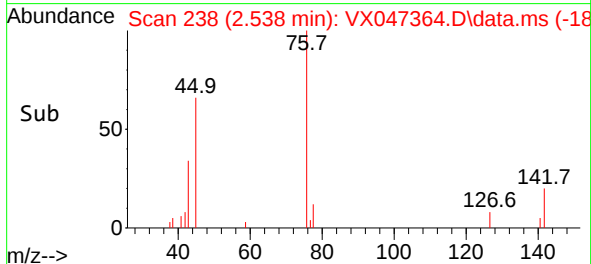
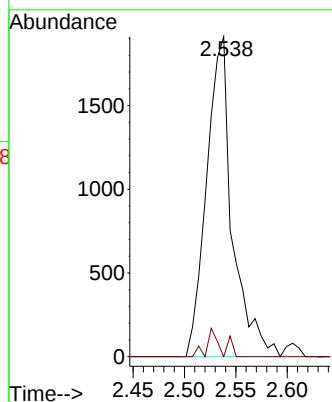
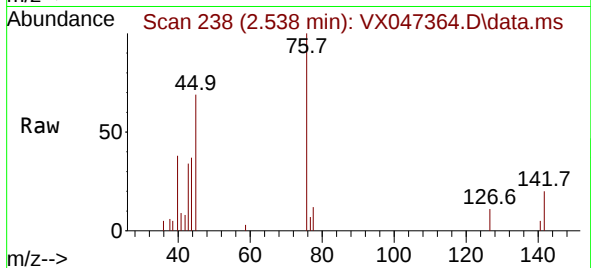




#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

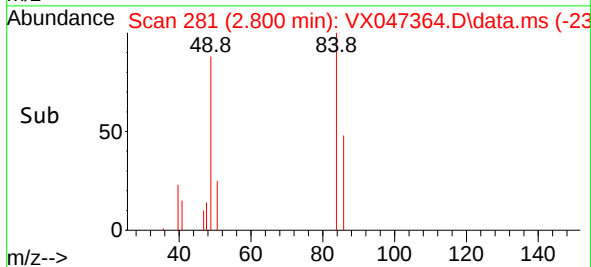
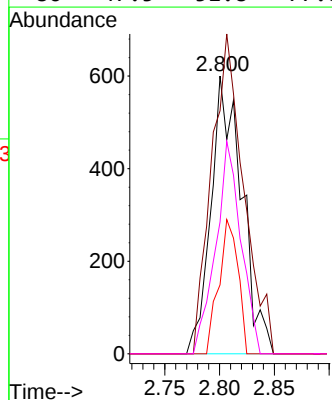
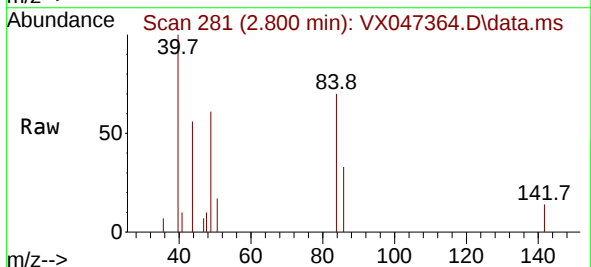
Instrument :
MSVOA_X
ClientSampleId :

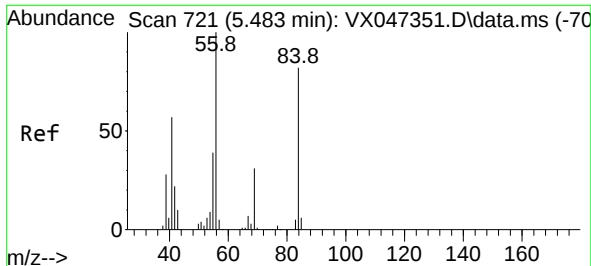
Tgt Ion: 76 Resp: 3327
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

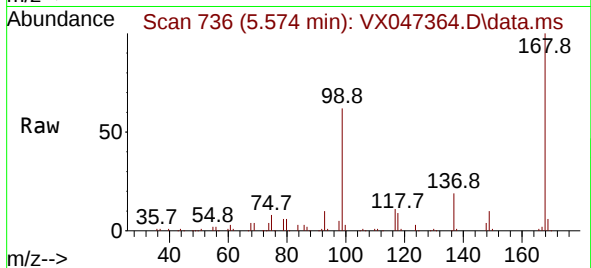
Tgt Ion: 84 Resp: 1174
Ion Ratio Lower Upper
84 100
49 87.5 100.1 150.1#
51 24.8 29.5 44.3#
86 47.5 51.8 77.8#



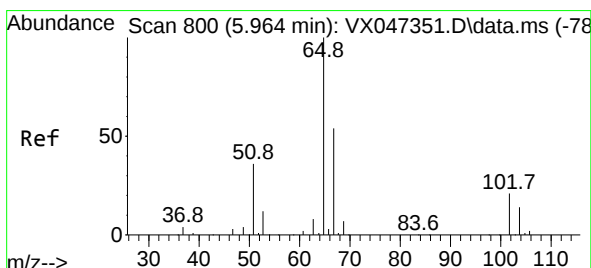
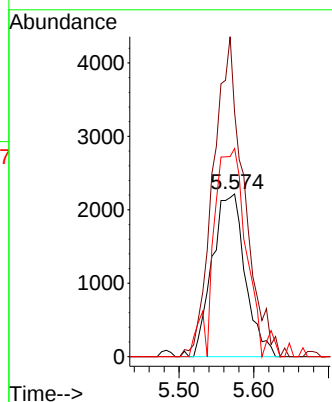
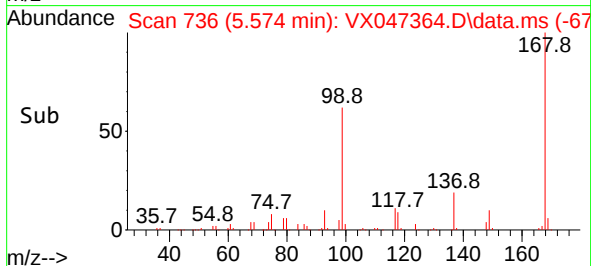


#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.092 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :

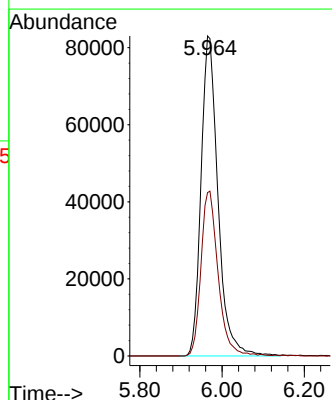
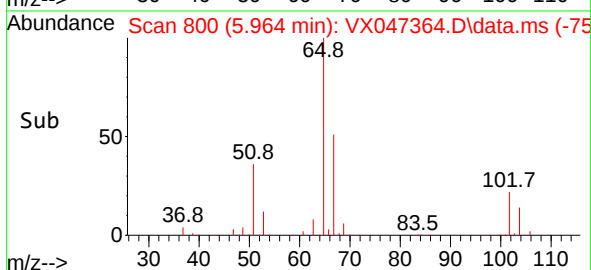
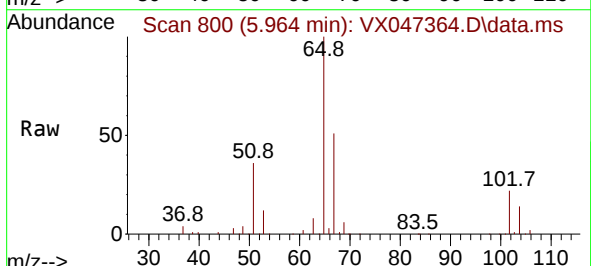


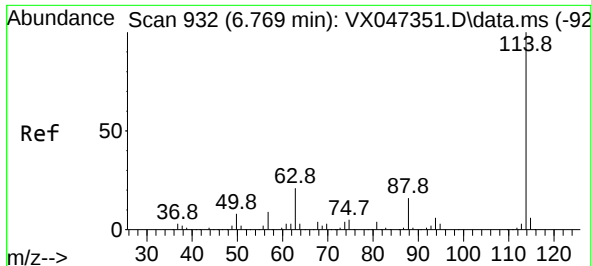
Tgt Ion: 56 Resp: 6791
Ion Ratio Lower Upper
56 100
69 150.1 24.3 36.5#
84 127.9 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 55.777 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

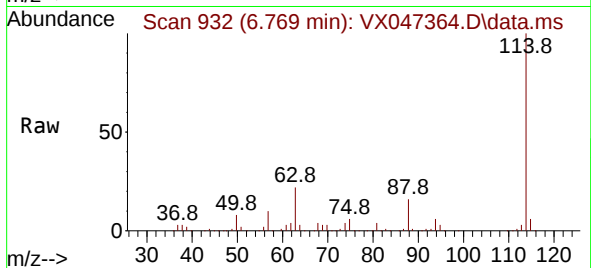
Tgt Ion: 65 Resp: 237321
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0



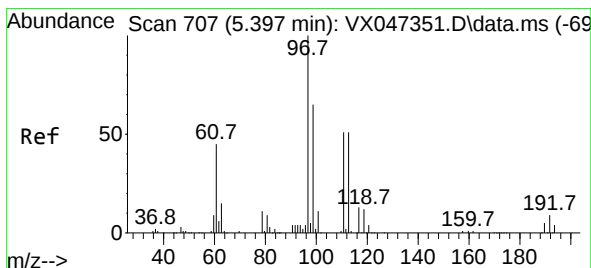
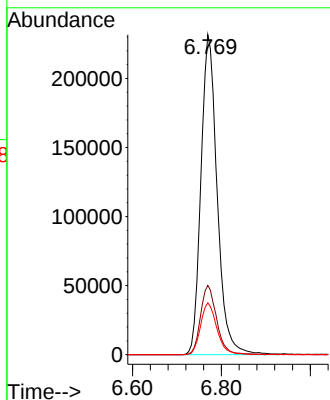
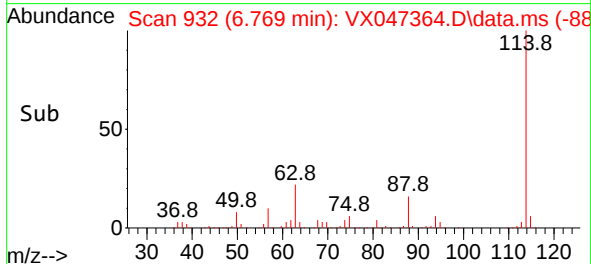


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX047364.D
 Acq: 15 Aug 2025 15:53

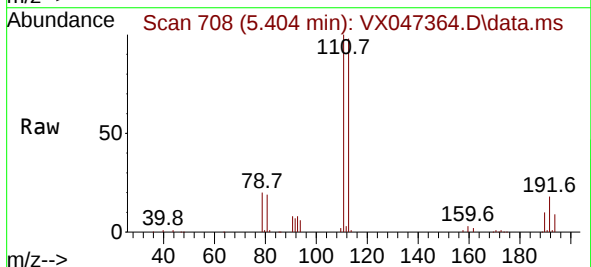
Instrument :
 MSVOA_X
 ClientSampleId :



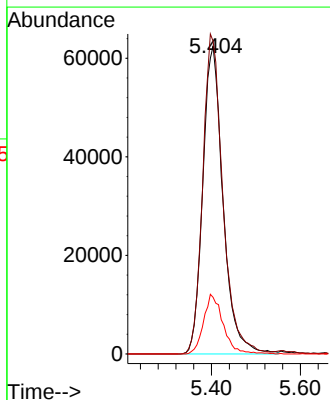
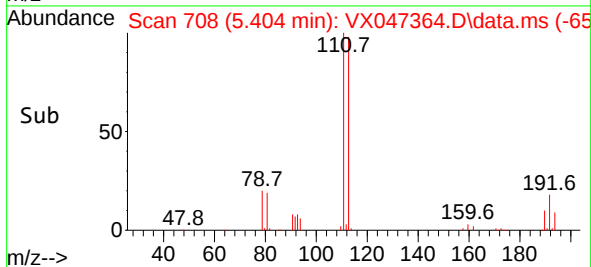
Tgt Ion:114 Resp: 589868
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 16.2 0.0 33.0

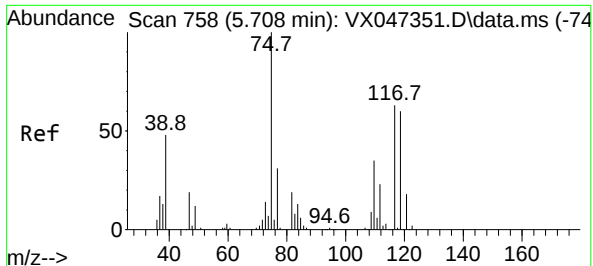


#35
 Dibromofluoromethane
 Concen: 51.782 ug/l
 RT: 5.404 min Scan# 708
 Delta R.T. 0.006 min
 Lab File: VX047364.D
 Acq: 15 Aug 2025 15:53



Tgt Ion:113 Resp: 198238
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 18.7 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.184 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047364.D

Acq: 15 Aug 2025 15:53

Instrument :

MSVOA_X

ClientSampleId :

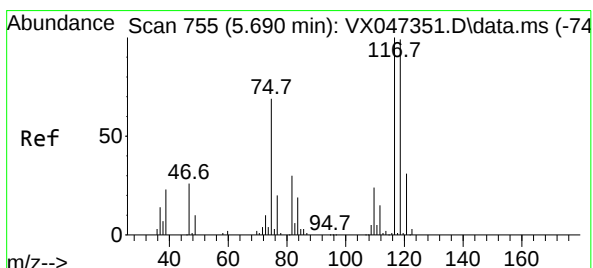
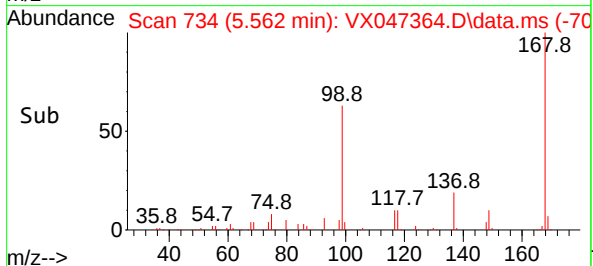
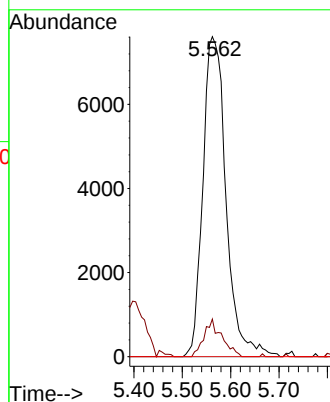
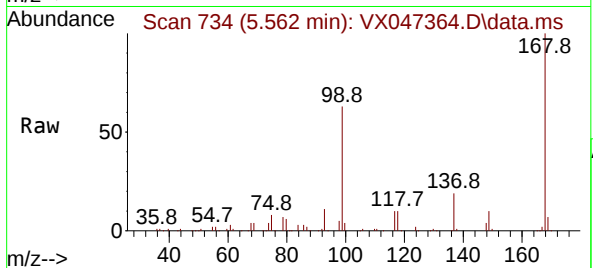
Tgt Ion: 75 Resp: 25286

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.797 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047364.D

Acq: 15 Aug 2025 15:53

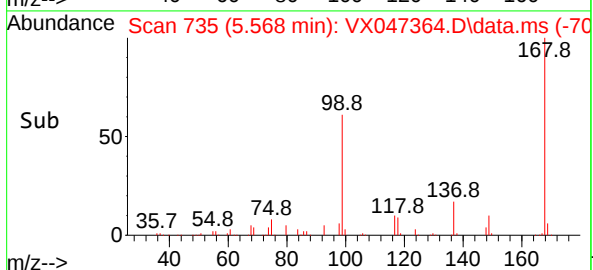
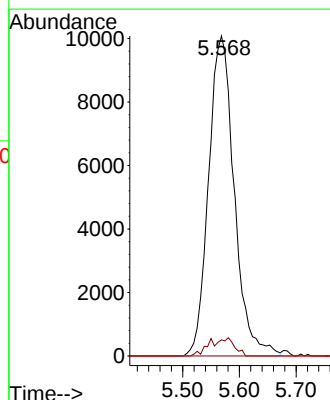
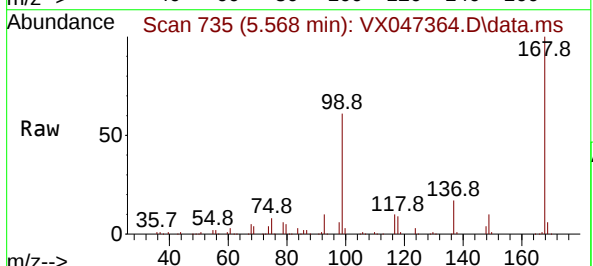
Tgt Ion: 117 Resp: 31682

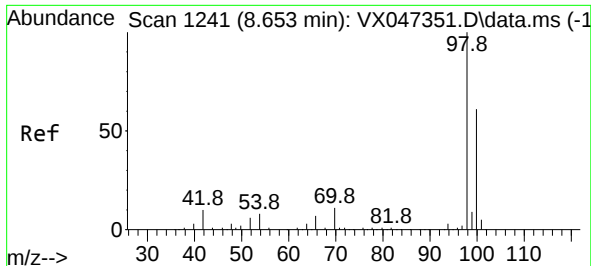
Ion Ratio Lower Upper

117 100

119 5.0 78.5 117.7#

121 0.0 24.7 37.1#

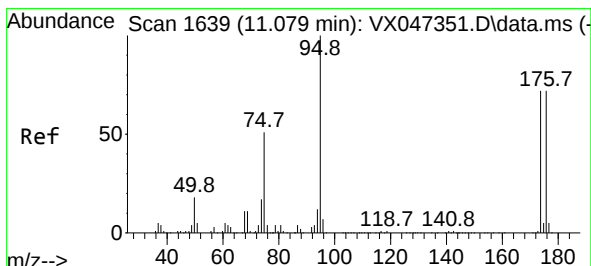
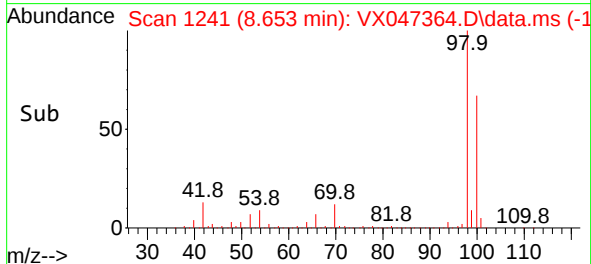
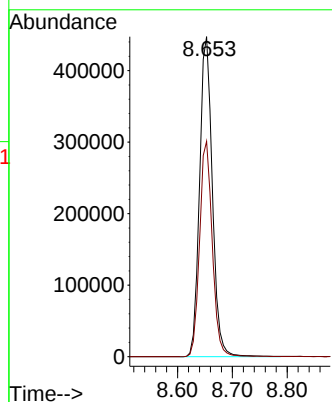
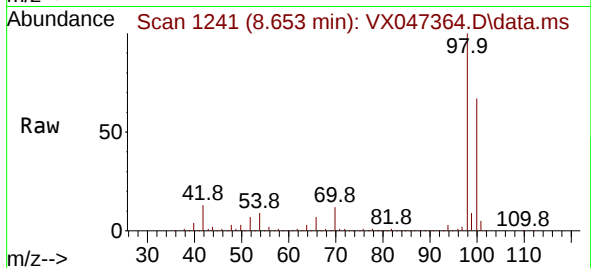




#50
Toluene-d8
Concen: 52.964 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

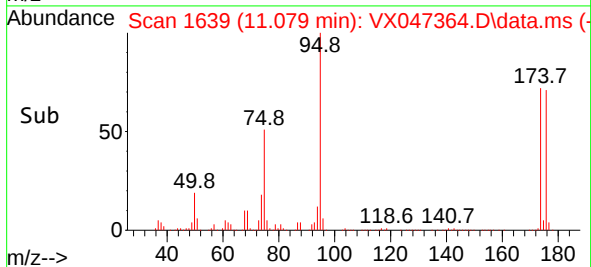
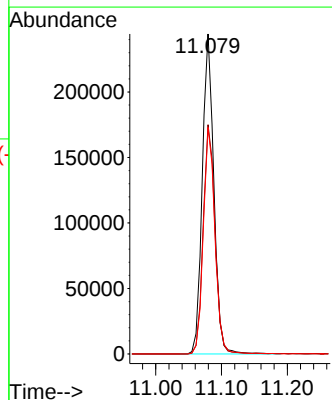
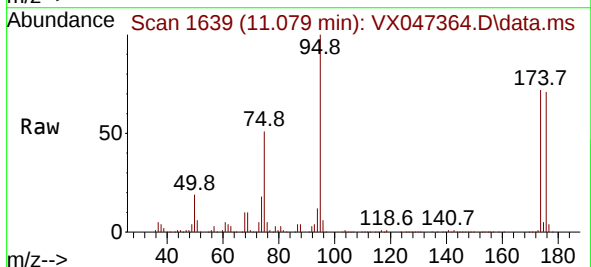
Instrument :
MSVOA_X
ClientSampleId :

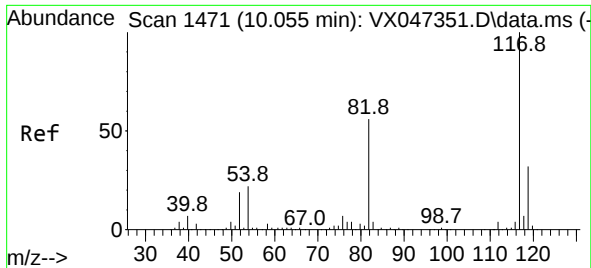
Tgt Ion: 98 Resp: 724721
Ion Ratio Lower Upper
98 100
100 66.9 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 59.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

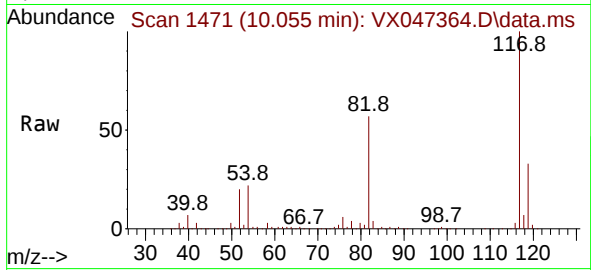
Tgt Ion: 95 Resp: 298710
Ion Ratio Lower Upper
95 100
174 73.5 0.0 148.0
176 71.0 0.0 145.4



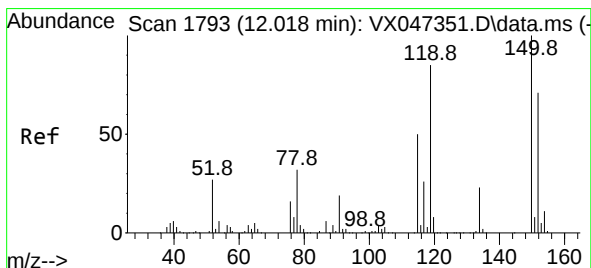
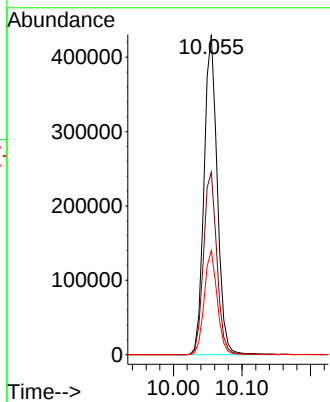
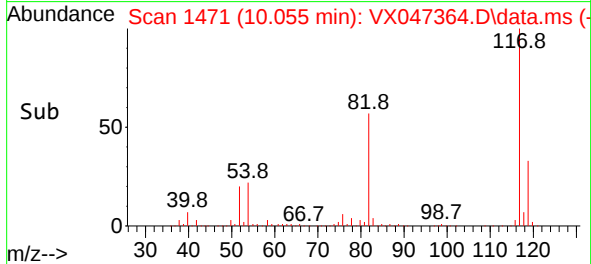


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

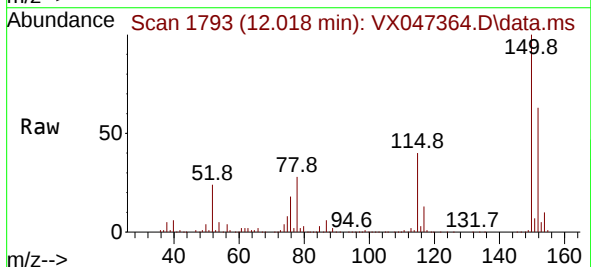
Instrument :
MSVOA_X
ClientSampleId :



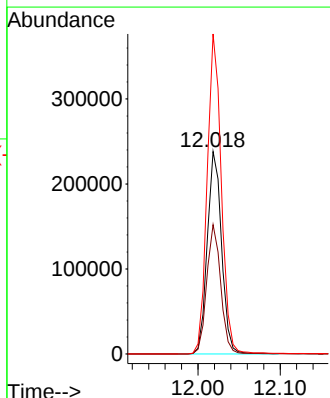
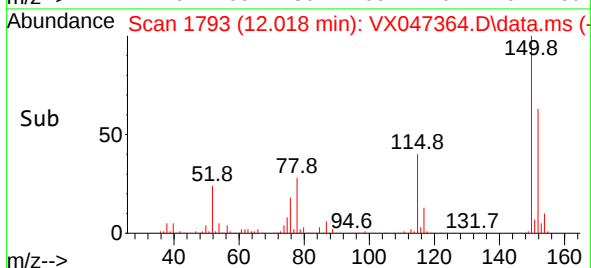
Tgt Ion:117 Resp: 577258
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.6 25.8 38.8

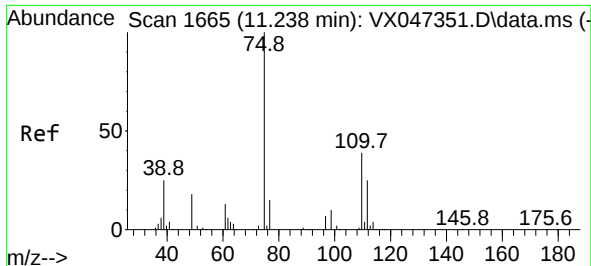


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53



Tgt Ion:152 Resp: 288504
Ion Ratio Lower Upper
152 100
115 62.5 44.6 133.8
150 156.3 0.0 349.8

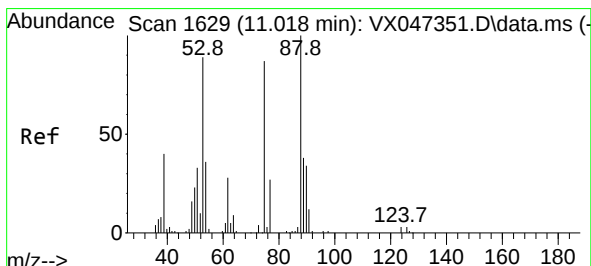
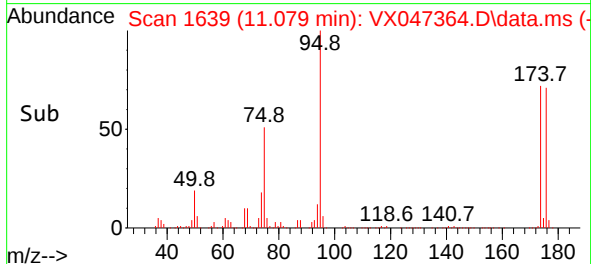
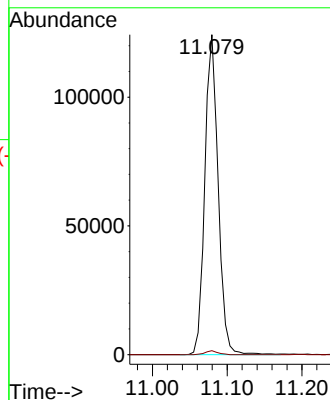
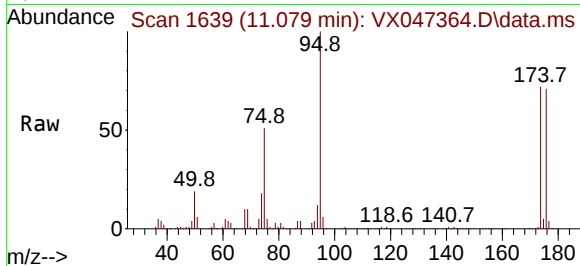




#76
1,2,3-Trichloropropane
Concen: 29.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

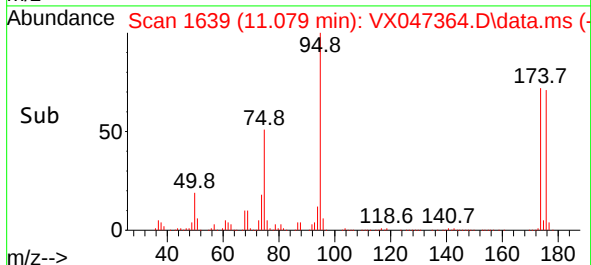
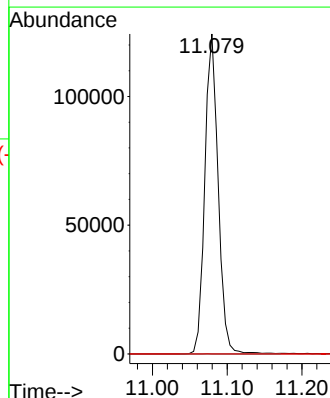
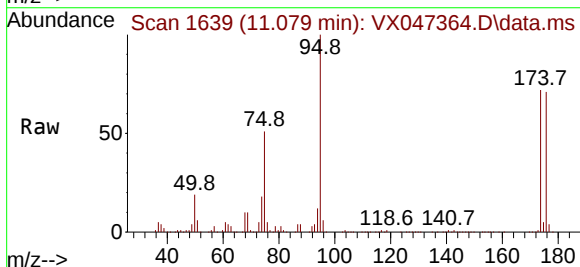
Instrument :
MSVOA_X
ClientSampleId :

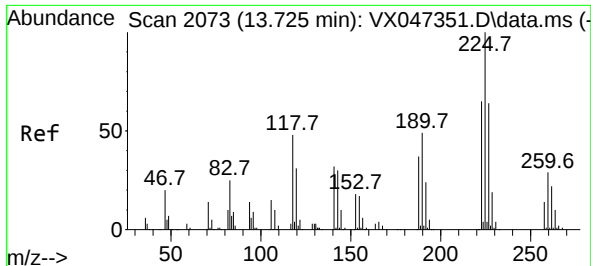
Tgt Ion: 75 Resp: 153760
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047364.D
Acq: 15 Aug 2025 15:53

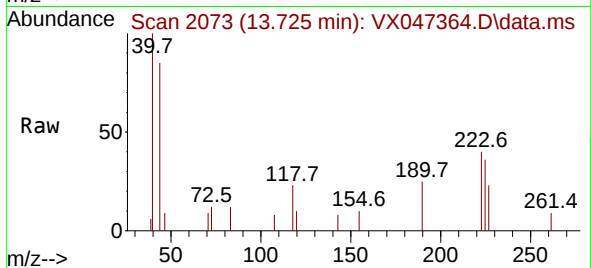
Tgt Ion: 75 Resp: 153760
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.208 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX047364.D
 Acq: 15 Aug 2025 15:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	495
Ion	Ratio	Lower	Upper
225	100		
223	66.7	32.2	96.6
227	65.3	31.6	95.0

