

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047420.D
 Acq On : 19 Aug 2025 18:00
 Operator : JC/MD
 Sample : Q2815-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP

Quant Time: Aug 20 01:30:54 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)

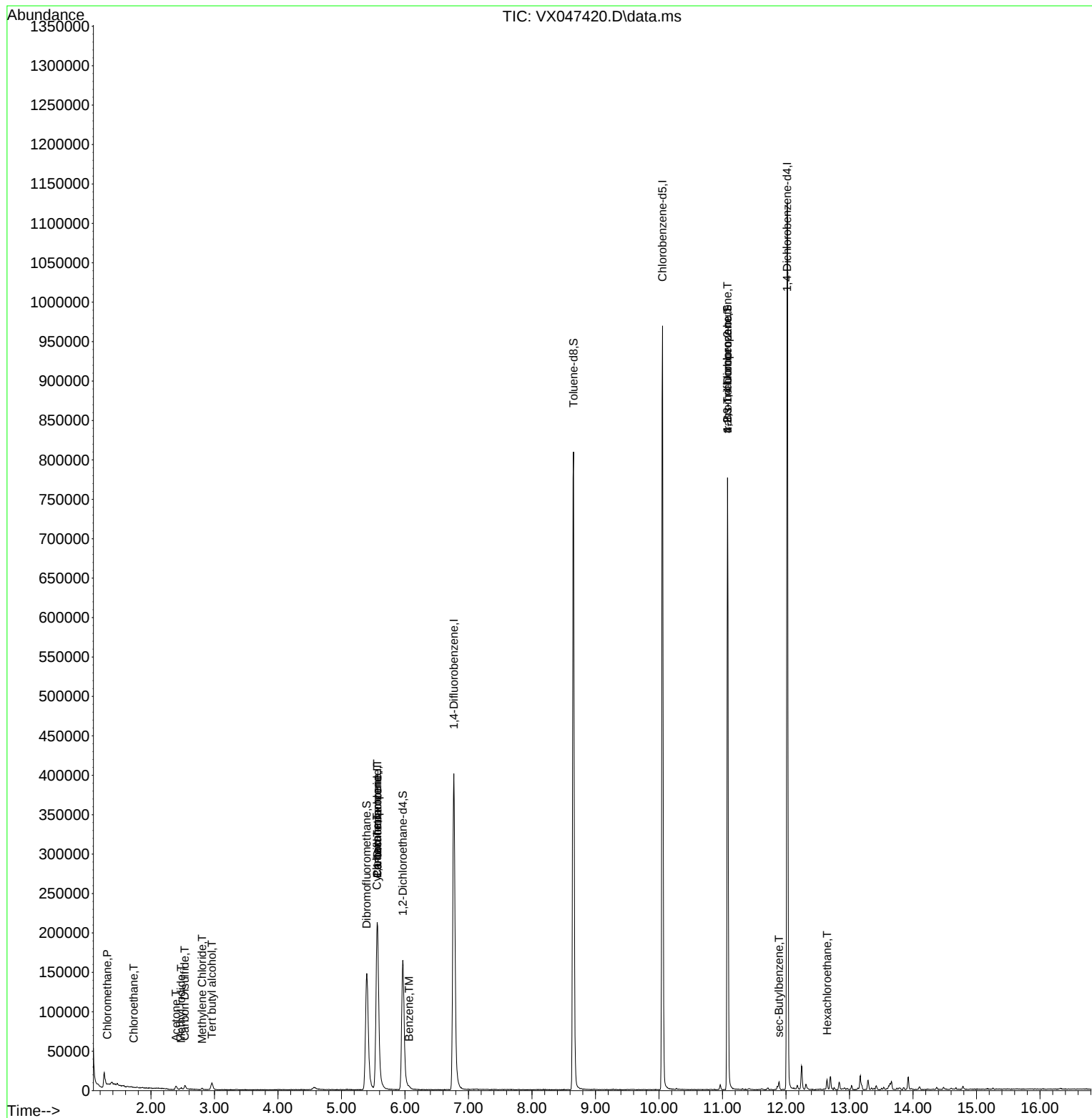
Internal Standards						
1) Pentafluorobenzene	5.562	168	215558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	430064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	432045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172997	57.345	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.680%	
35) Dibromofluoromethane	5.397	113	140913	50.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.653	98	496027	49.720	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	11.079	95	209487	56.903	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	509	0.206	ug/l #	41
6) Chloroethane	1.727	64	564	0.297	ug/l #	44
10) Methyl Iodide	2.477	142	2810	0.616	ug/l	98
11) Tert butyl alcohol	2.959	59	4833	18.415	ug/l #	73
16) Acetone	2.392	43	6491	5.724	ug/l	97
17) Carbon Disulfide	2.532	76	2840	0.347	ug/l #	75
20) Methylene Chloride	2.806	84	665	0.221	ug/l #	57
31) Cyclohexane	5.556	56	4724	0.973	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	17355	3.939	ug/l #	47
38) Carbon Tetrachloride	5.562	117	22729	4.721	ug/l #	14
40) Benzene	6.062	78	2905	0.220	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	108151	25.767	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	108151	102.252	ug/l #	7
85) sec-Butylbenzene	11.890	105	5086	0.279	ug/l #	76
90) Hexachloroethane	12.646	117	4365	1.614	ug/l #	15

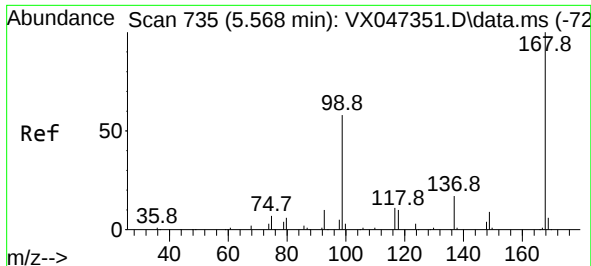
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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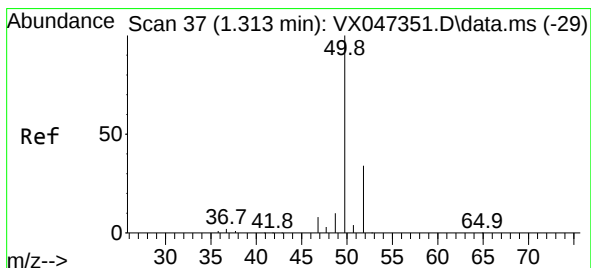
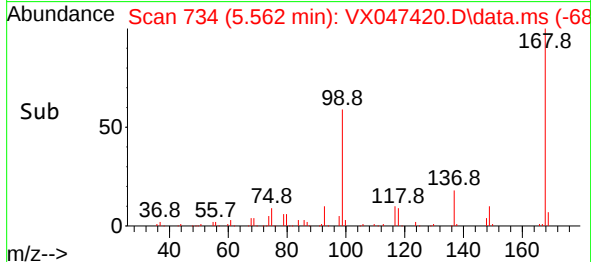
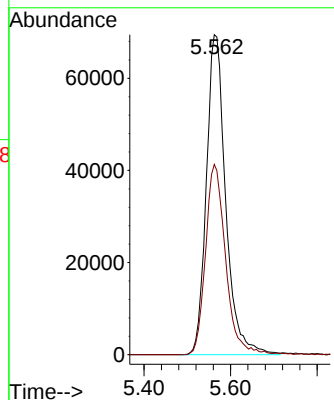
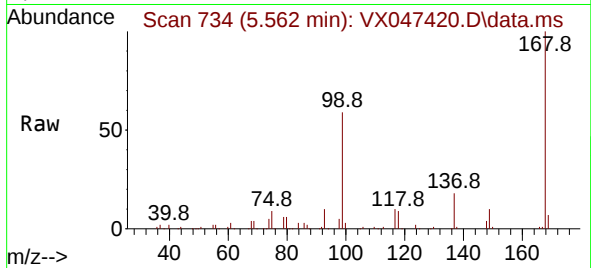




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

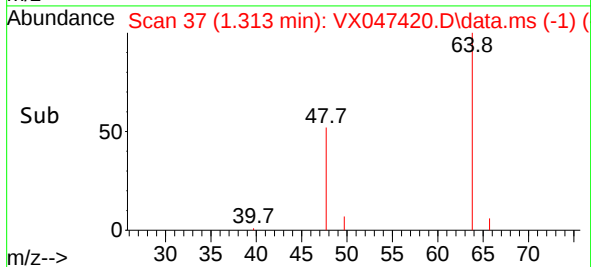
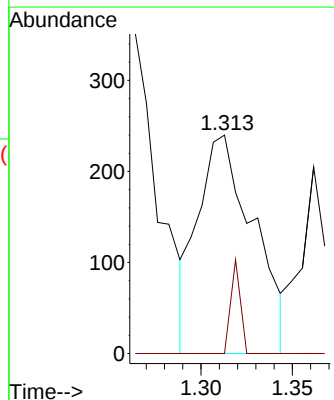
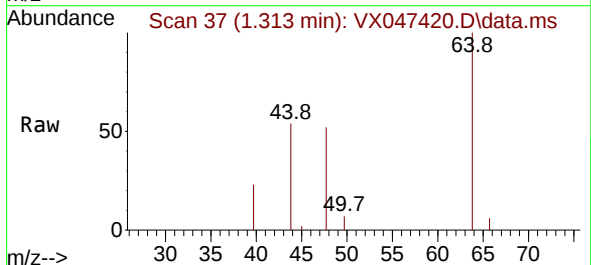
Instrument :
MSVOA_X
ClientSampleId :
DUP

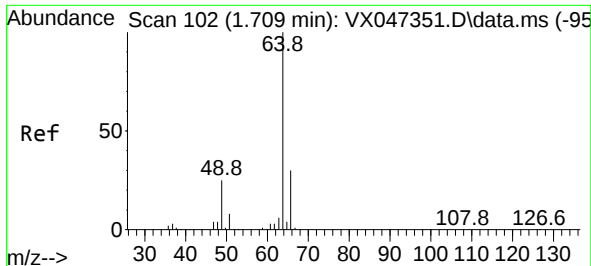
Tgt Ion:168 Resp: 215558
Ion Ratio Lower Upper
168 100
99 59.4 47.9 71.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

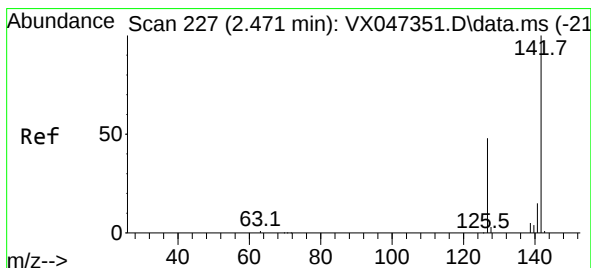
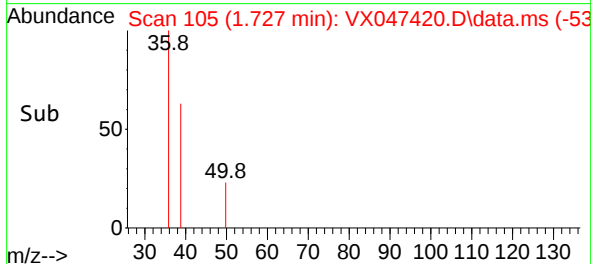
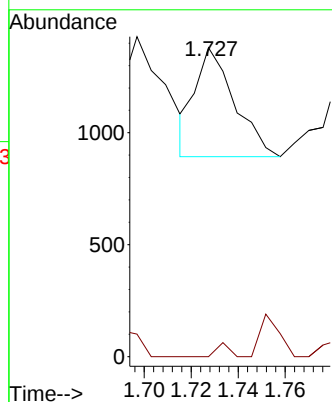
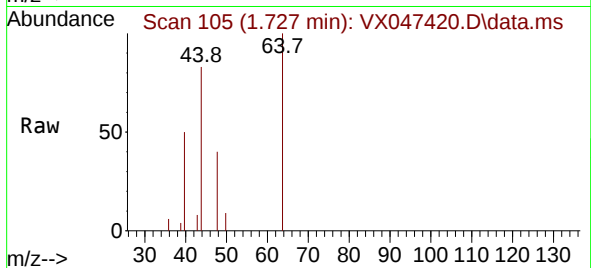




#6
Chloroethane
Concen: 0.297 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.018 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

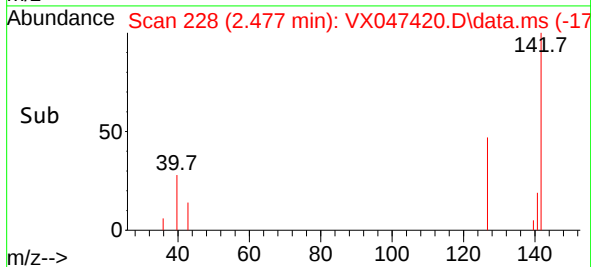
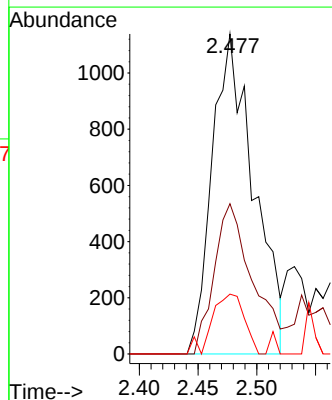
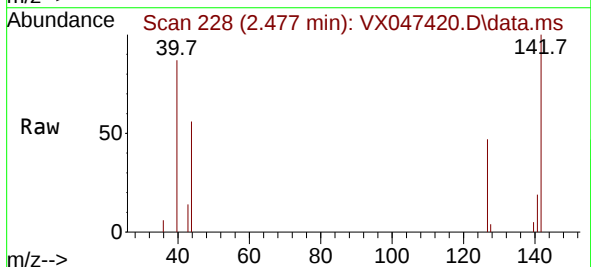
Instrument :
MSVOA_X
ClientSampleId :
DUP

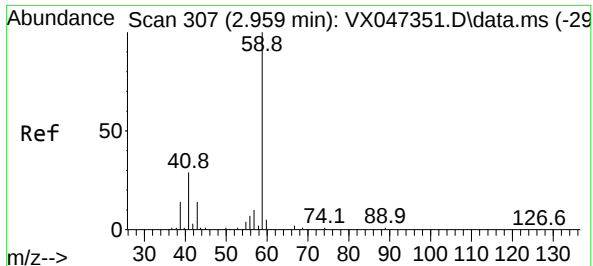
Tgt Ion: 64 Resp: 564
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.616 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

Tgt Ion:142 Resp: 2810
Ion Ratio Lower Upper
142 100
127 43.3 36.1 54.1
141 14.5 11.1 16.7





#11

Tert butyl alcohol

Concen: 18.415 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

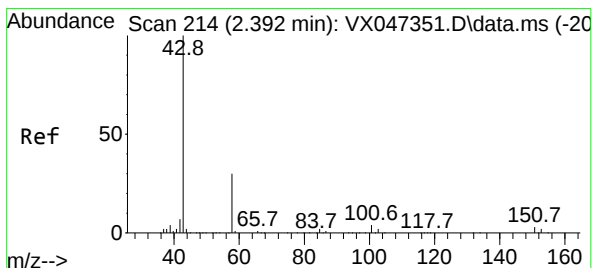
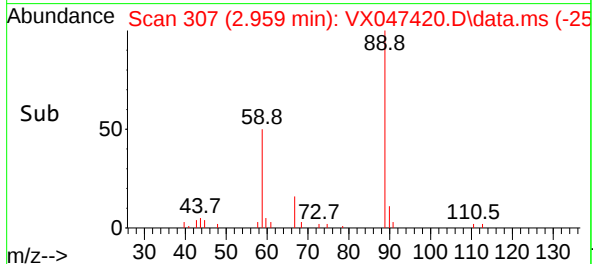
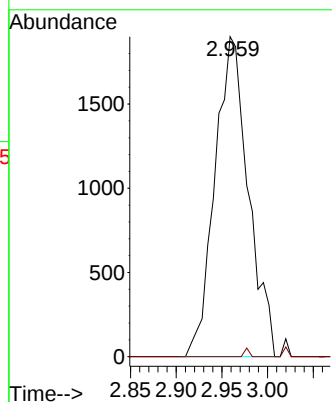
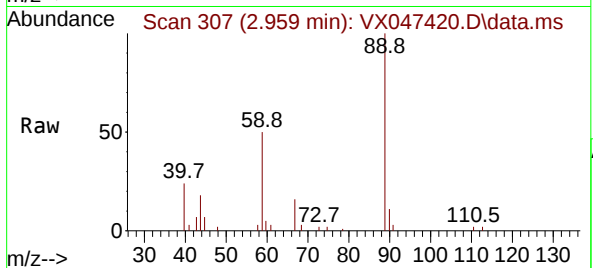
DUP

Tgt Ion: 59 Resp: 4833

Ion Ratio Lower Upper

59 100

57 0.4 8.3 12.5#



#16

Acetone

Concen: 5.724 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047420.D

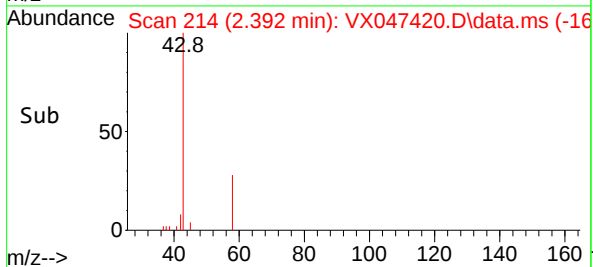
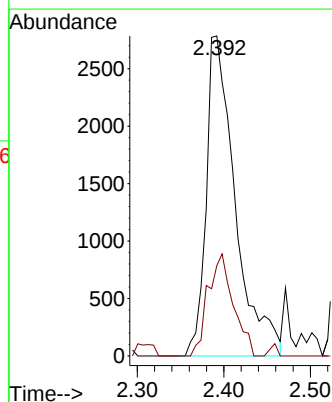
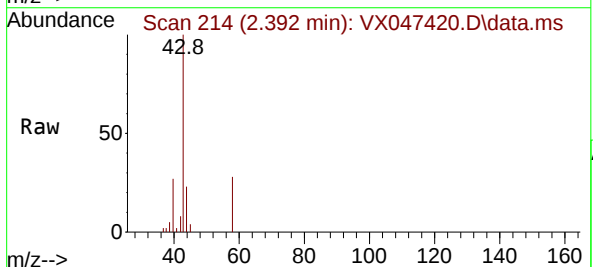
Acq: 19 Aug 2025 18:00

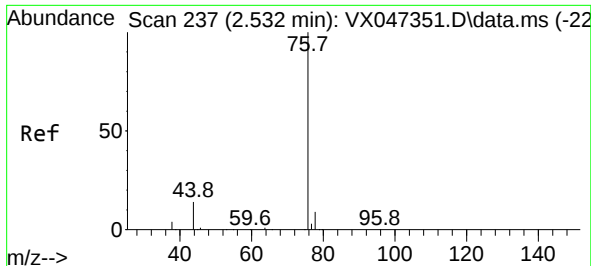
Tgt Ion: 43 Resp: 6491

Ion Ratio Lower Upper

43 100

58 29.6 24.8 37.2





#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

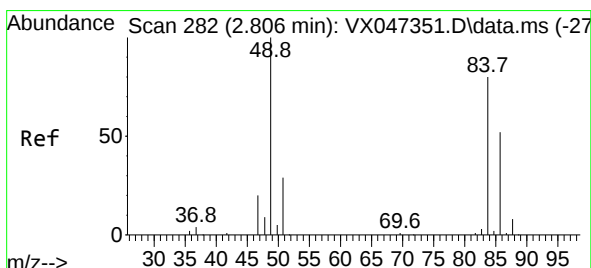
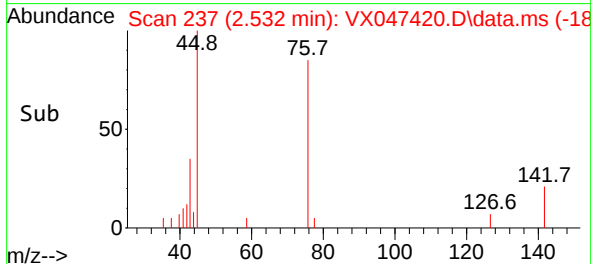
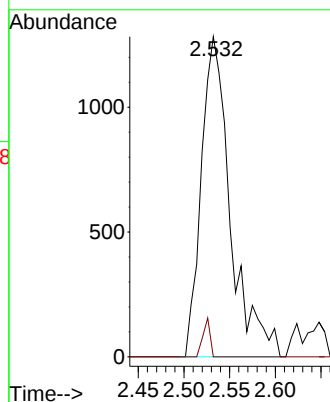
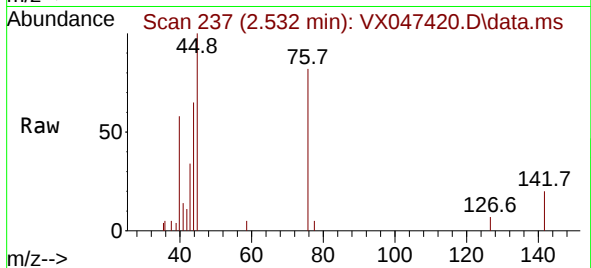
DUP

Tgt Ion: 76 Resp: 2840

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.221 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

Tgt Ion: 84 Resp: 665

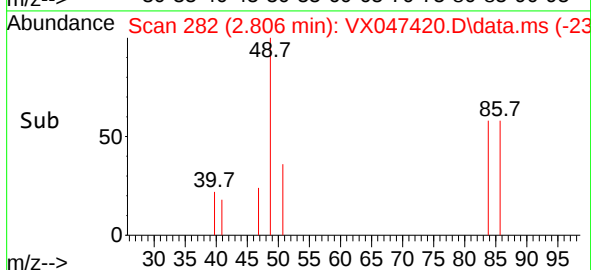
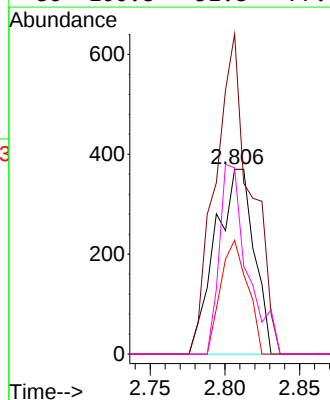
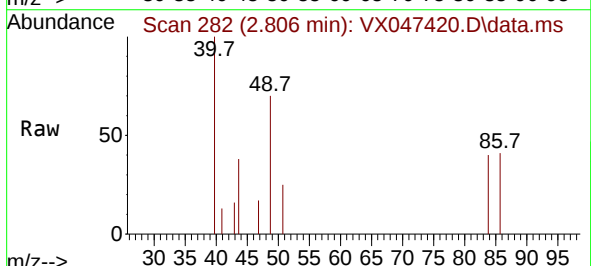
Ion Ratio Lower Upper

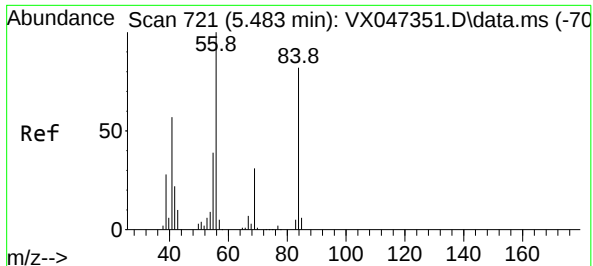
84 100

49 173.2 100.1 150.1#

51 61.6 29.5 44.3#

86 100.8 51.8 77.8#

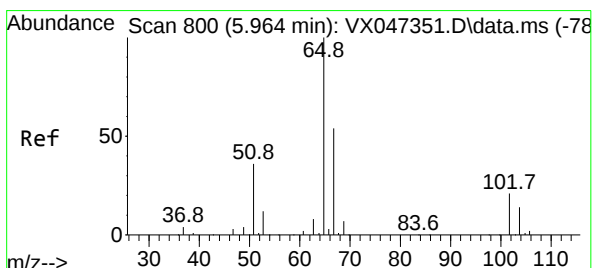
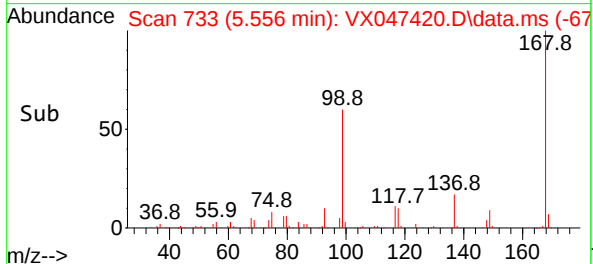
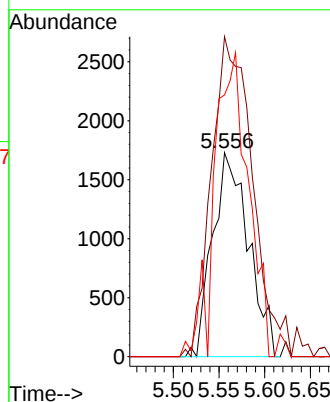
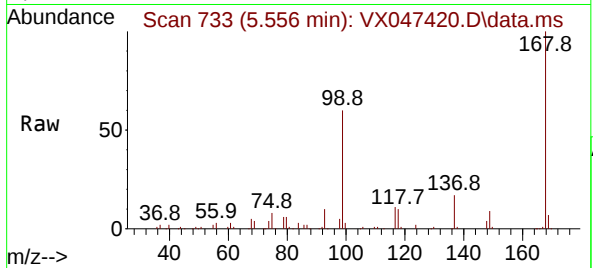




#31
Cyclohexane
Concen: 0.973 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

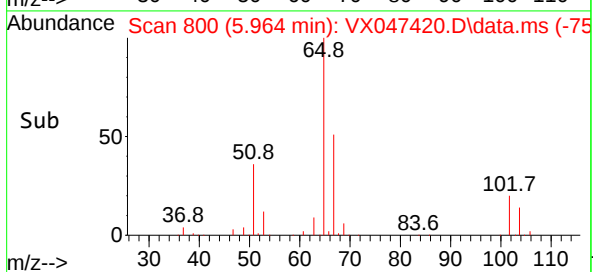
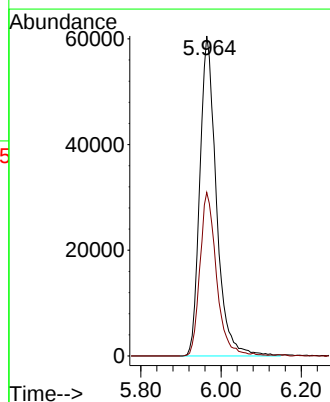
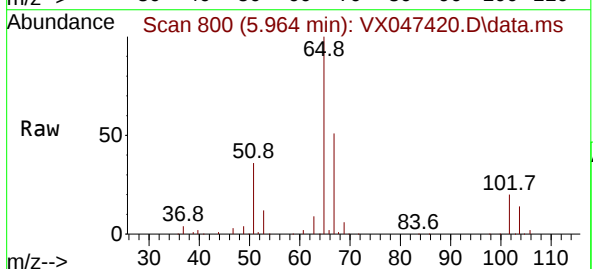
Instrument :
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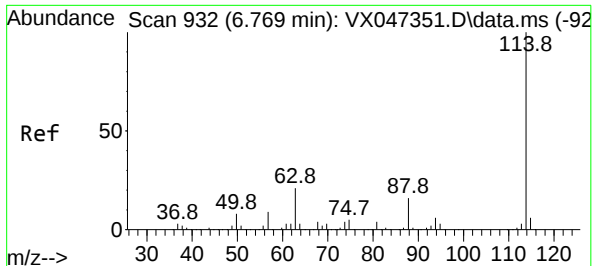
Tgt Ion: 56 Resp: 4724
Ion Ratio Lower Upper
56 100
69 156.8 24.3 36.5#
84 128.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.345 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

Tgt Ion: 65 Resp: 172997
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.0

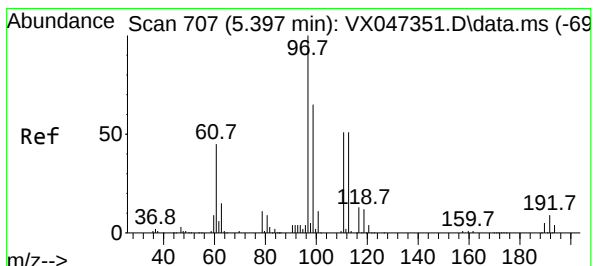
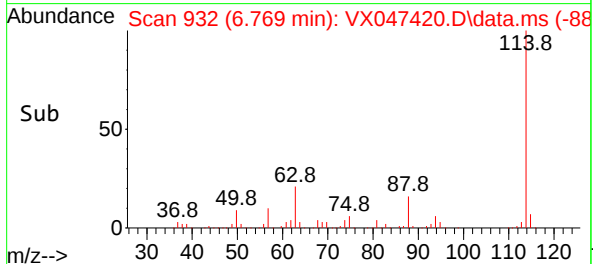
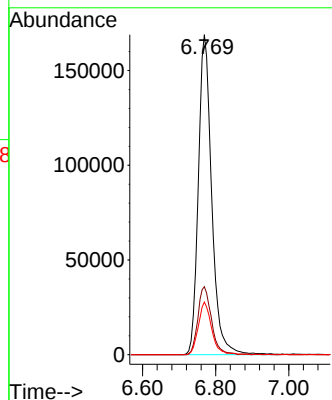
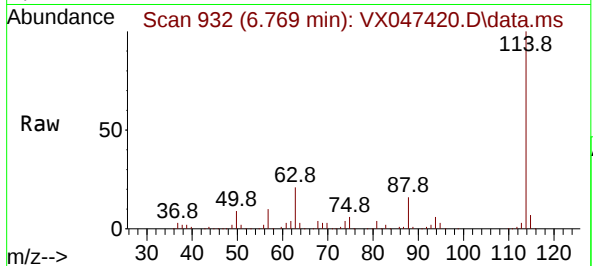




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

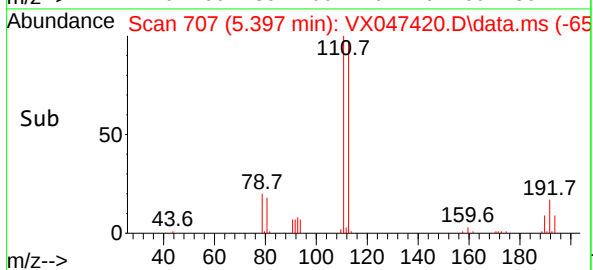
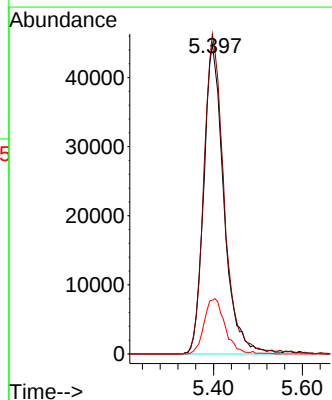
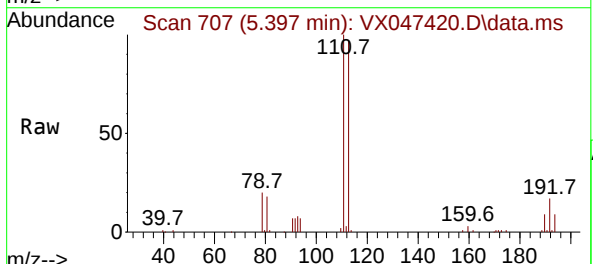
Instrument :
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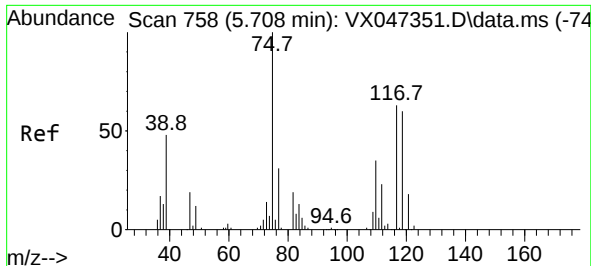
Tgt Ion:114 Resp: 430064
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 16.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.486 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

Tgt Ion:113 Resp: 140913
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.2
192 18.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.939 ug/l

RT: 5.562 min Scan# 714

Delta R.T. -0.146 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

DUP

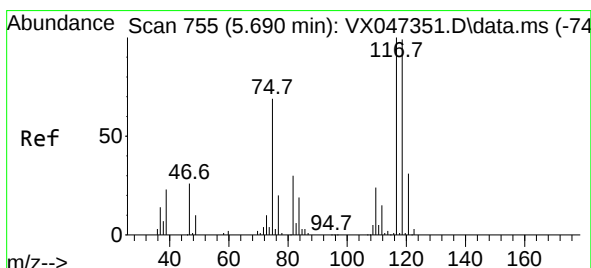
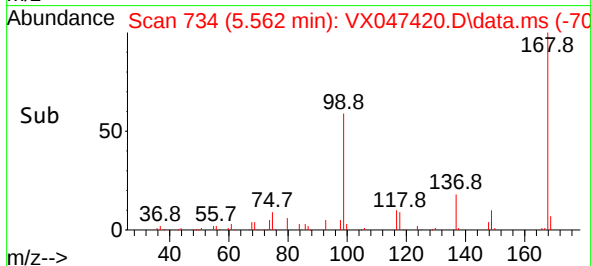
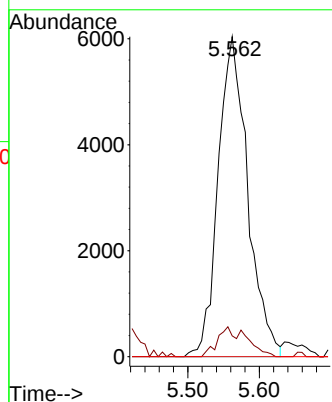
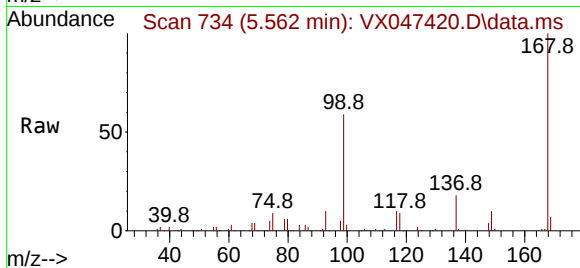
Tgt Ion: 75 Resp: 17355

Ion Ratio Lower Upper

75 100

110 5.5 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.721 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

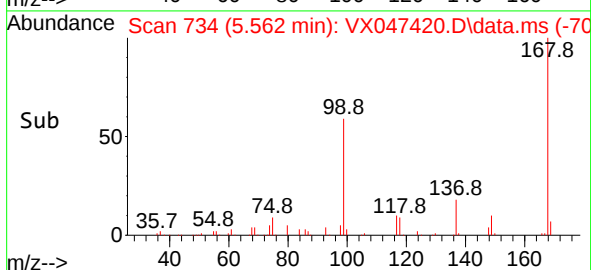
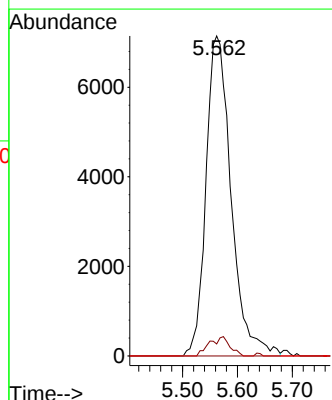
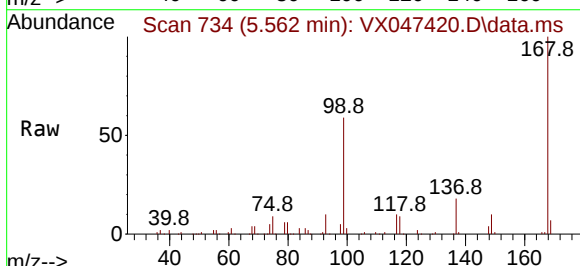
Tgt Ion: 117 Resp: 22729

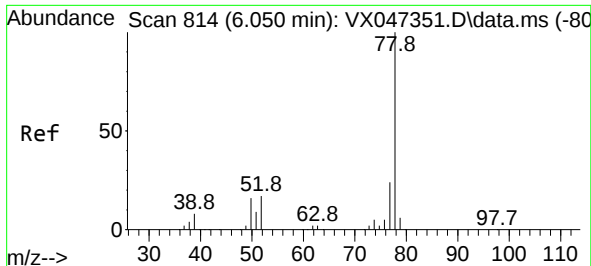
Ion Ratio Lower Upper

117 100

119 3.8 78.5 117.7#

121 0.0 24.7 37.1#

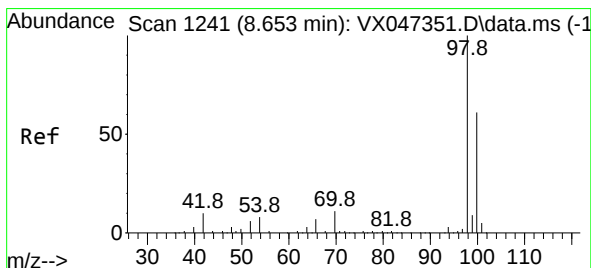
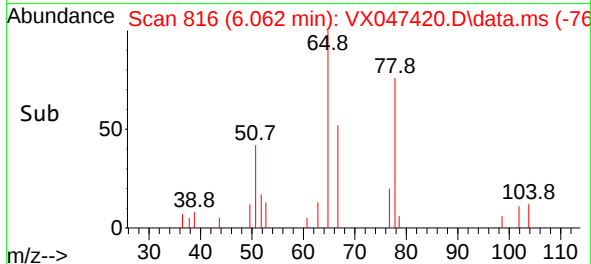
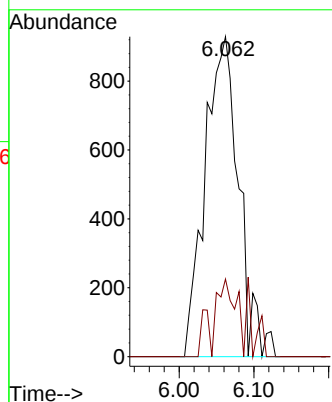
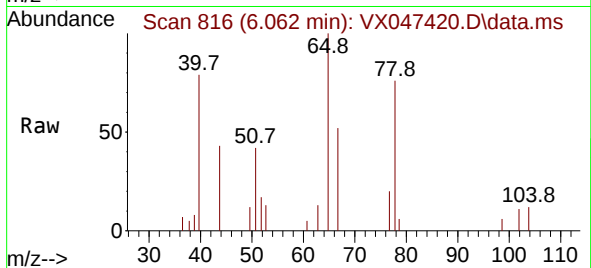




#40
Benzene
Concen: 0.220 ug/l
RT: 6.062 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

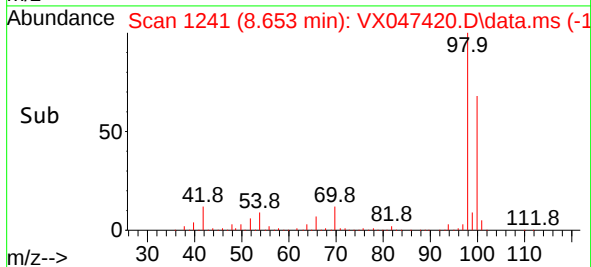
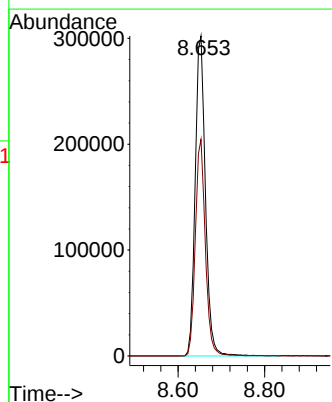
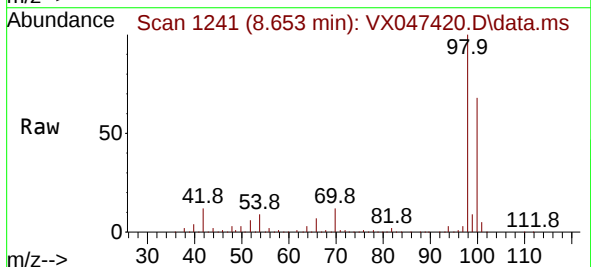
Instrument :
MSVOA_X
ClientSampleId :
DUP

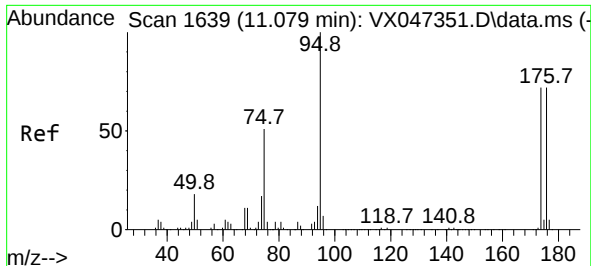
Tgt Ion: 78 Resp: 2905
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4



#50
Toluene-d8
Concen: 49.720 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

Tgt Ion: 98 Resp: 496027
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9





#62

4-Bromofluorobenzene

Concen: 56.903 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047420.D

Acq: 19 Aug 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

DUP

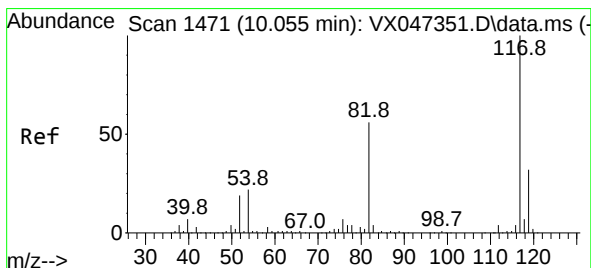
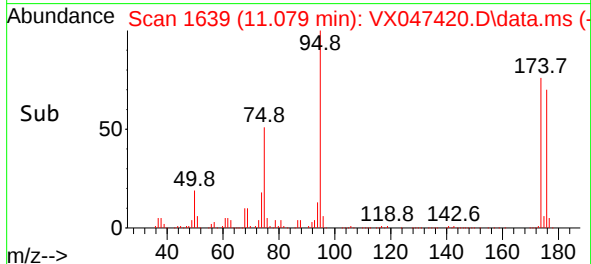
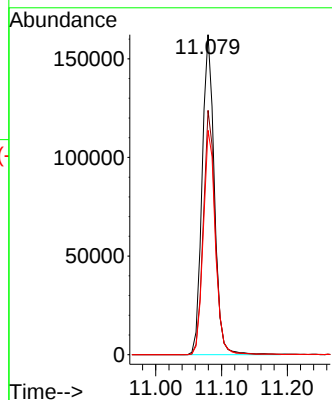
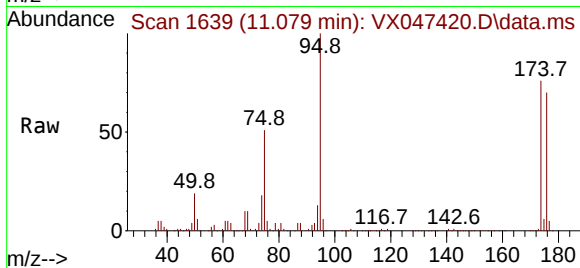
Tgt Ion: 95 Resp: 209487

Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.0

176 69.6 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: VX047420.D

Acq: 19 Aug 2025 18:00

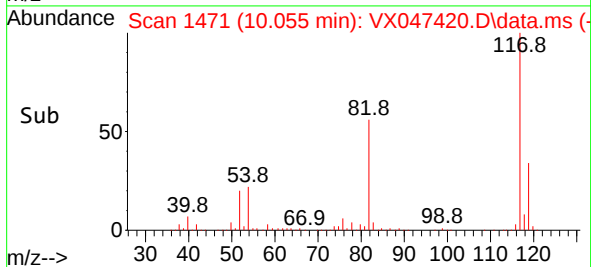
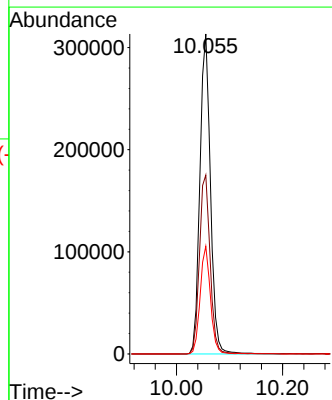
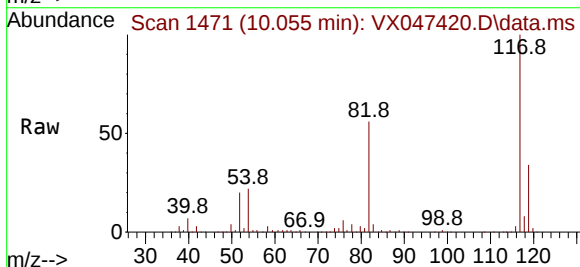
Tgt Ion: 117 Resp: 432045

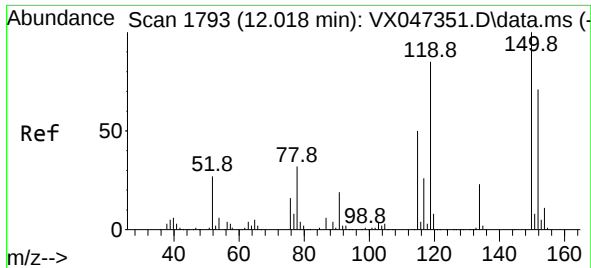
Ion Ratio Lower Upper

117 100

82 55.9 45.0 67.4

119 33.7 25.8 38.8

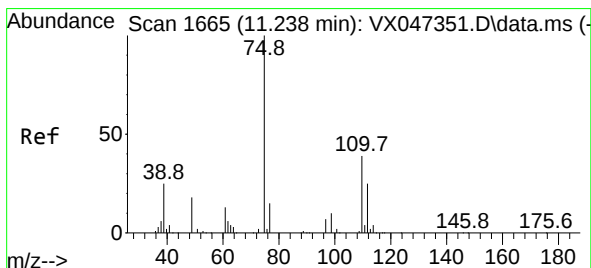
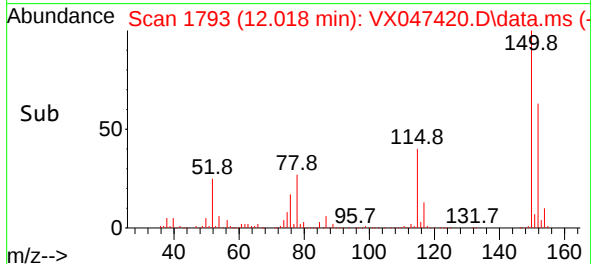
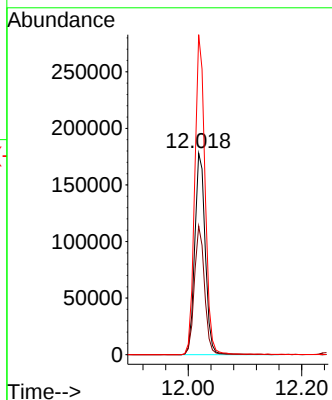
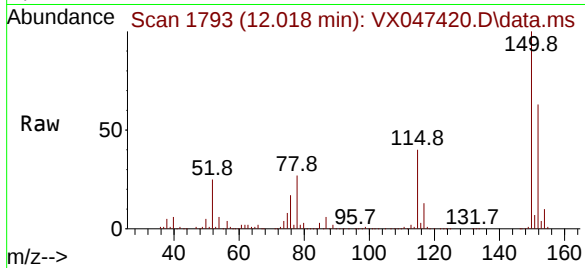




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047420.D
 Acq: 19 Aug 2025 18:00

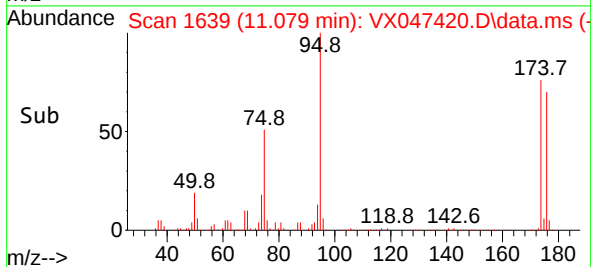
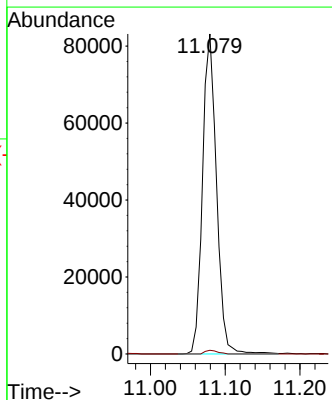
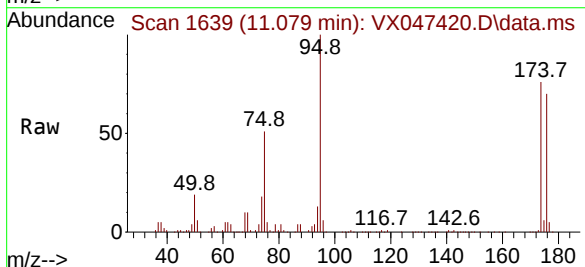
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP

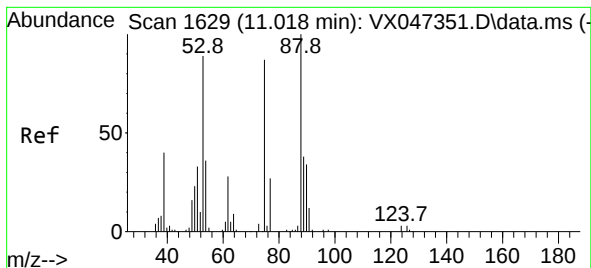
Tgt Ion:152 Resp: 228843
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.6 133.8
 150 156.0 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 25.767 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047420.D
 Acq: 19 Aug 2025 18:00

Tgt Ion: 75 Resp: 108151
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

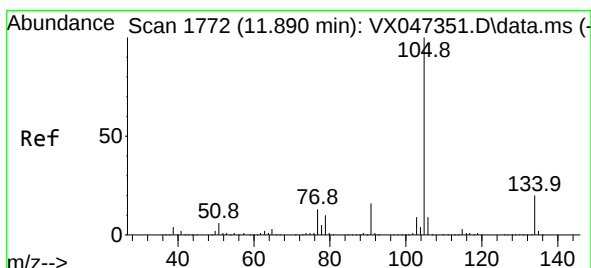
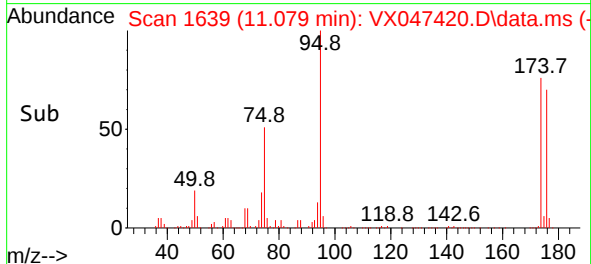
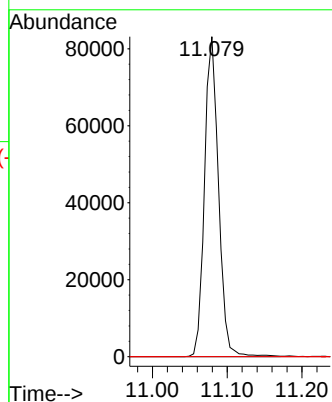
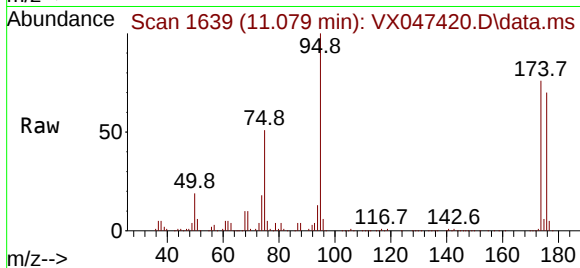




#81
trans-1,4-Dichloro-2-butene
Concen: 102.252 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

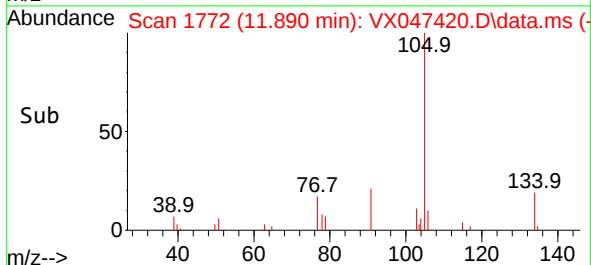
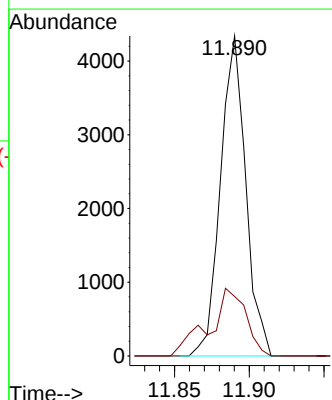
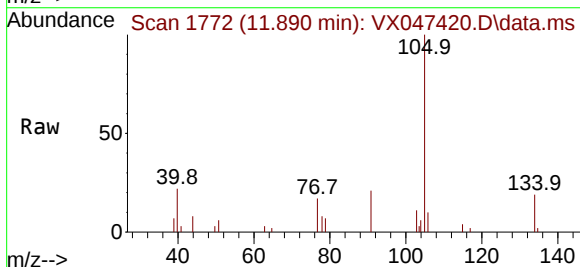
Instrument :
MSVOA_X
ClientSampleId :
DUP

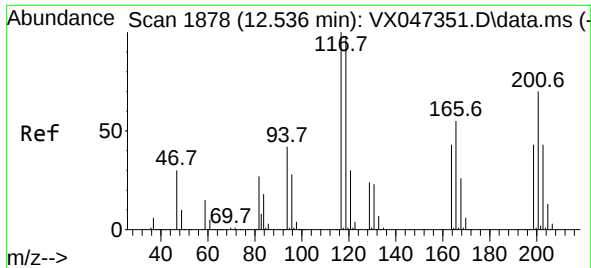
Tgt Ion: 75 Resp: 108151
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#85
sec-Butylbenzene
Concen: 0.279 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047420.D
Acq: 19 Aug 2025 18:00

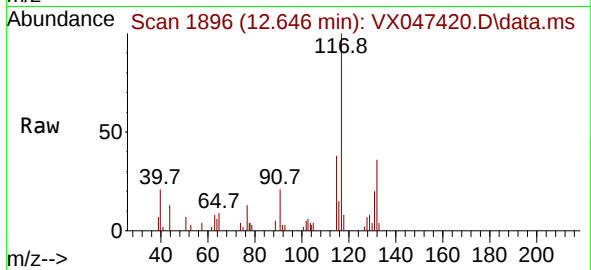
Tgt Ion: 105 Resp: 5086
Ion Ratio Lower Upper
105 100
134 30.6 9.8 29.5#





#90
 Hexachloroethane
 Concen: 1.614 ug/l
 RT: 12.646 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VX047420.D
 Acq: 19 Aug 2025 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP



Tgt Ion:117 Resp: 4365
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.1 105.3#

