

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047435.D
 Acq On : 20 Aug 2025 12:32
 Operator : JC/MD
 Sample : Q2878-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

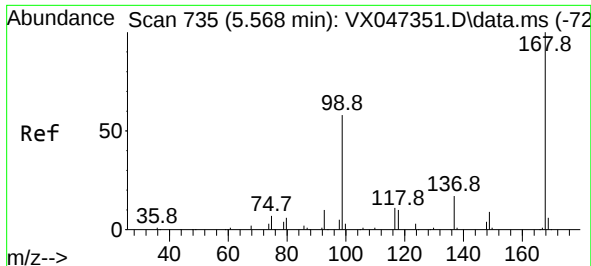
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325

Quant Time: Aug 21 01:29:58 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	5.574	168	282898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	573773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	278490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	226612	57.236	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.480%	
35) Dibromofluoromethane	5.403	113	189624	50.922	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.840%	
50) Toluene-d8	8.653	98	679382	51.043	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	11.079	95	274073	55.801	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.600%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	1750	0.430	ug/l #	84
5) Bromomethane	1.642	94	359	0.218	ug/l #	80
6) Chloroethane	1.709	64	772	0.310	ug/l #	70
10) Methyl Iodide	2.489	142	2435	0.407	ug/l #	92
11) Tert butyl alcohol	2.971	59	212	0.616	ug/l #	72
16) Acetone	2.392	43	1527	1.026	ug/l #	63
27) cis-1,2-Dichloroethene	4.507	96	26338	5.982	ug/l	93
31) Cyclohexane	5.568	56	4875	0.765	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	23461	3.991	ug/l #	50
38) Carbon Tetrachloride	5.562	117	30167	4.696	ug/l #	16
44) Trichloroethene	7.147	130	7623	1.692	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	142494	27.897	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	142494	110.054	ug/l #	7

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



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.574 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX047435.D

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Instrument :

MSVOA_X

ClientSampleId :

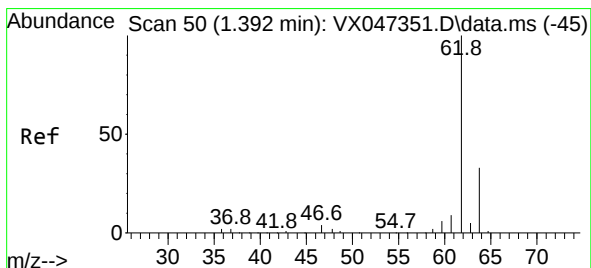
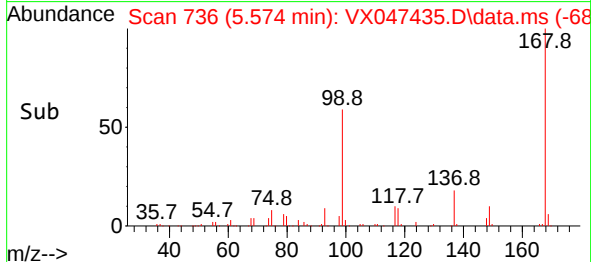
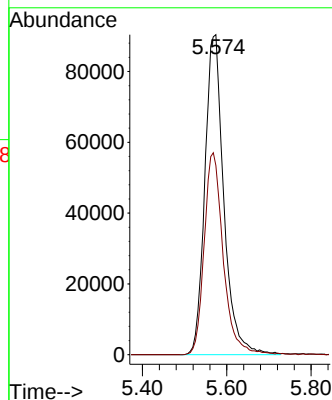
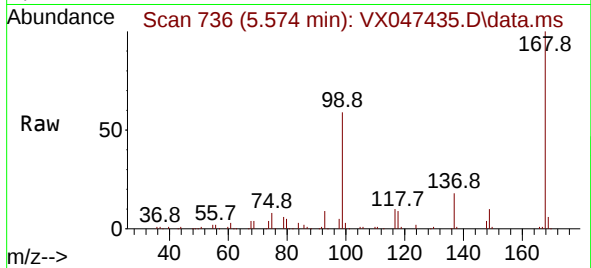
MW-18B-57.5-081325

Tgt Ion:168 Resp: 282898

Ion Ratio Lower Upper

168 100

99 59.1 47.9 71.9



#4

Vinyl Chloride

Concen: 0.430 ug/l

RT: 1.392 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX047435.D

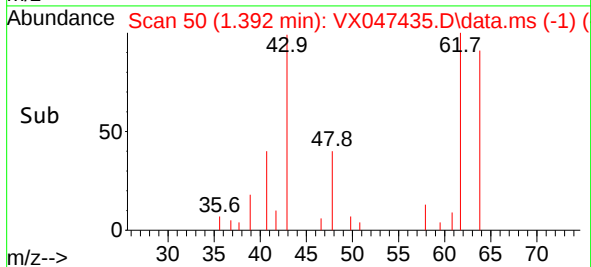
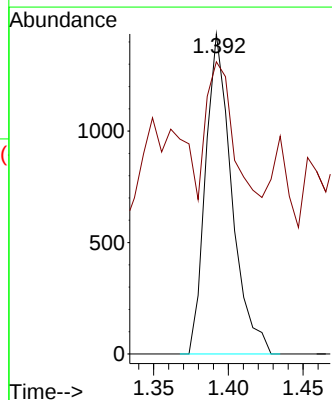
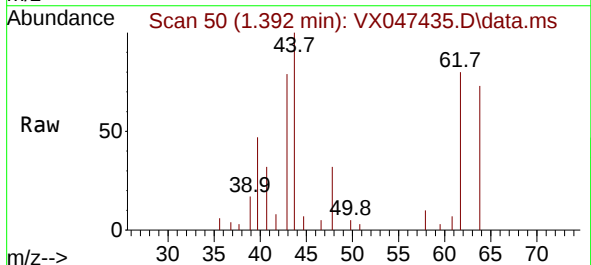
Acq: 20 Aug 2025 12:32

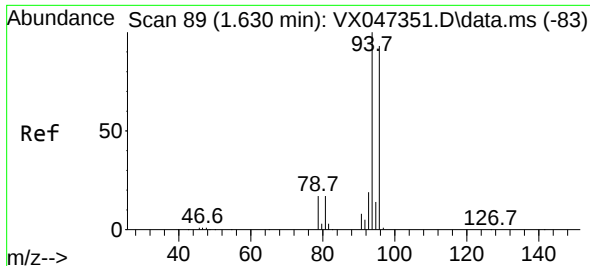
Tgt Ion: 62 Resp: 1750

Ion Ratio Lower Upper

62 100

64 24.2 26.5 39.7#

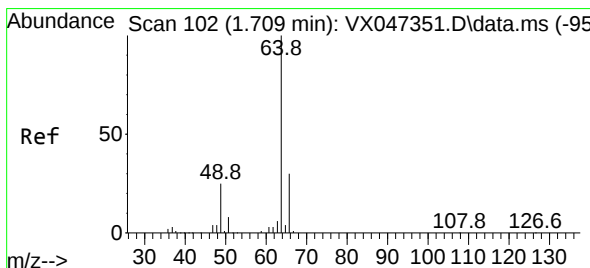
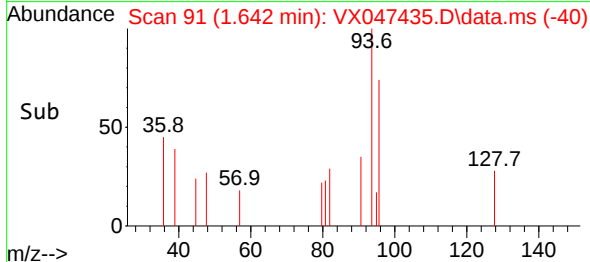
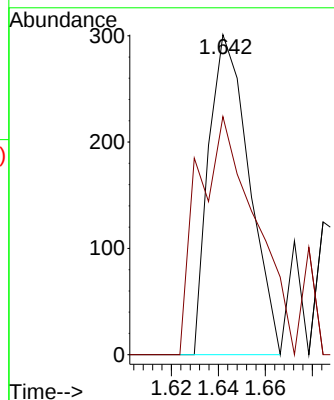
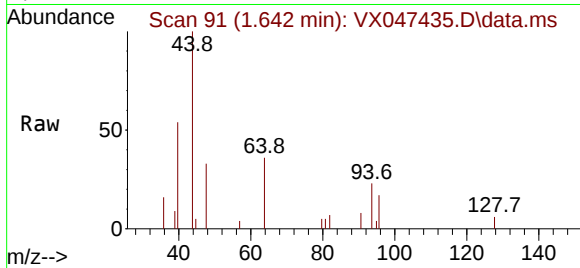




#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

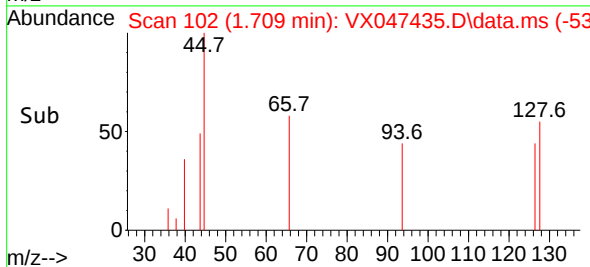
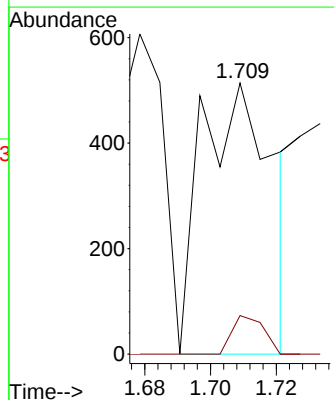
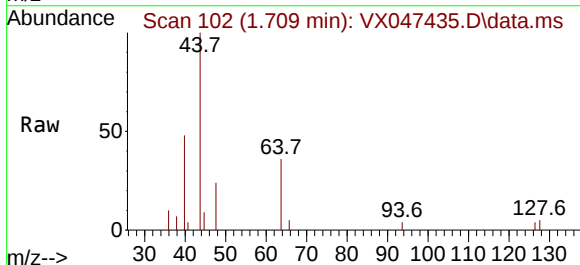
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

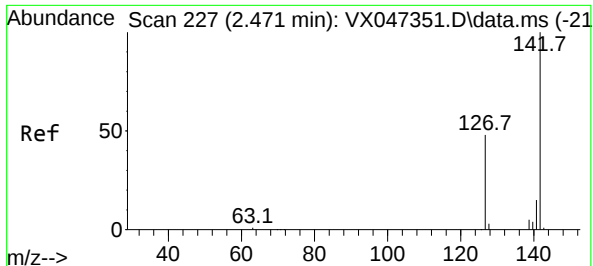
Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 74.4 74.7 112.1#



#6
Chloroethane
Concen: 0.310 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

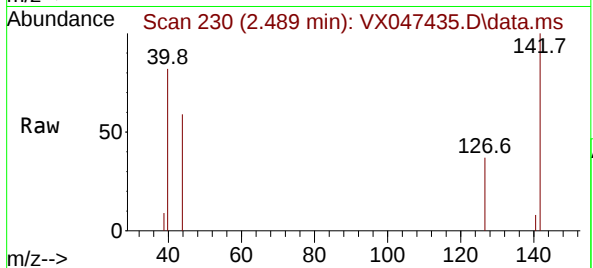
Tgt Ion: 64 Resp: 772
Ion Ratio Lower Upper
64 100
66 14.2 24.4 36.6#



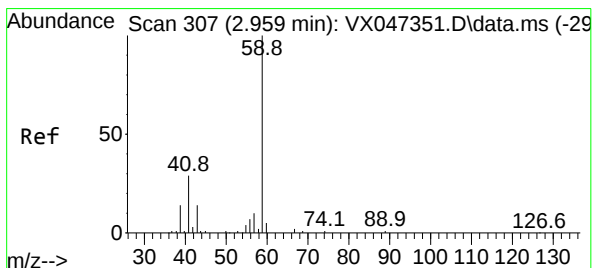
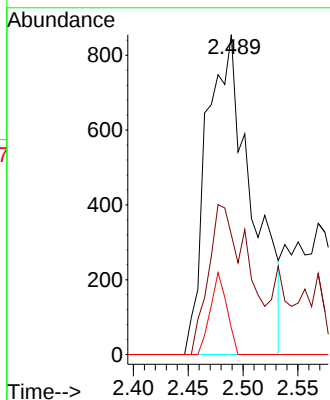
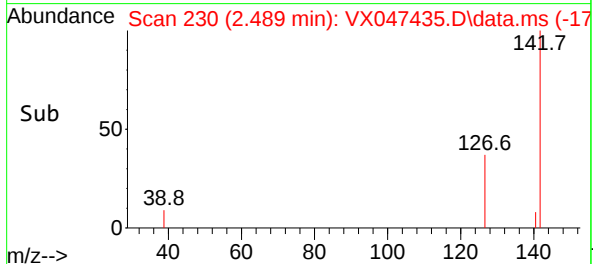


#10
Methyl Iodide
Concen: 0.407 ug/l
RT: 2.489 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

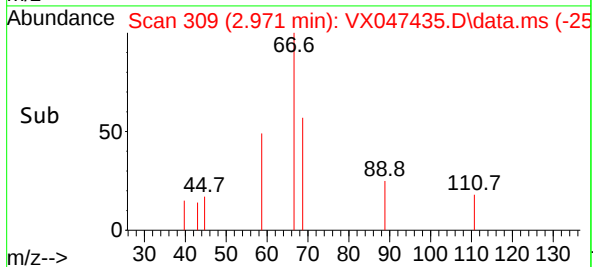
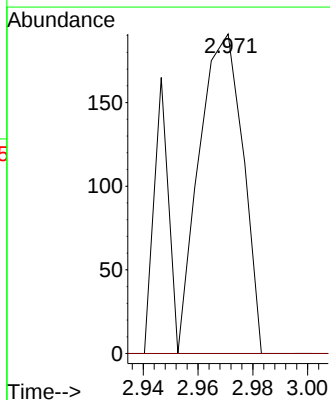
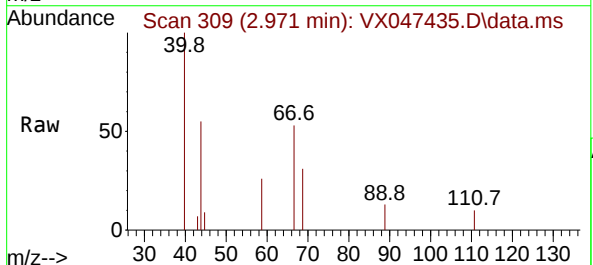


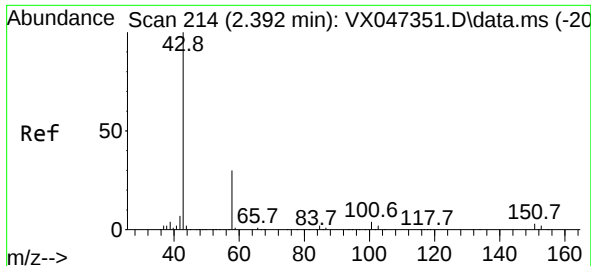
Tgt Ion:142 Resp: 2435
Ion Ratio Lower Upper
142 100
127 40.4 36.1 54.1
141 9.4 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.616 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.012 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

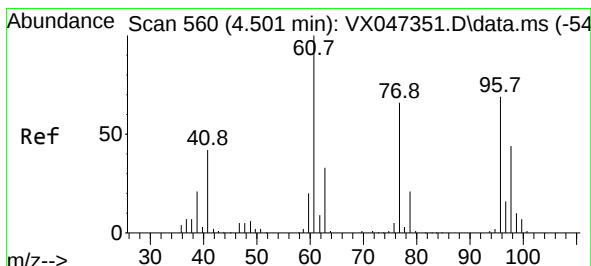
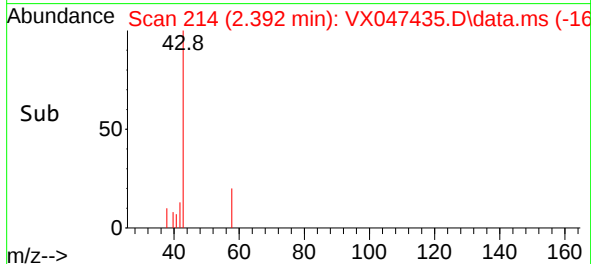
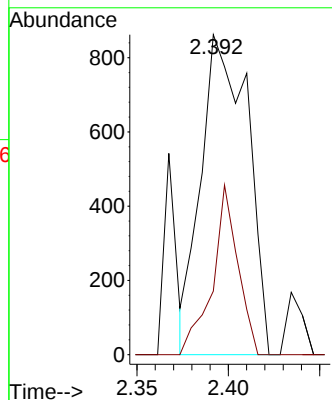
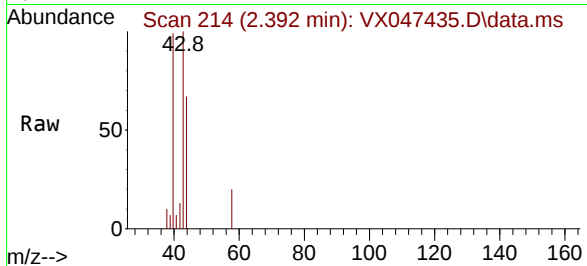




#16
Acetone
Concen: 1.026 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

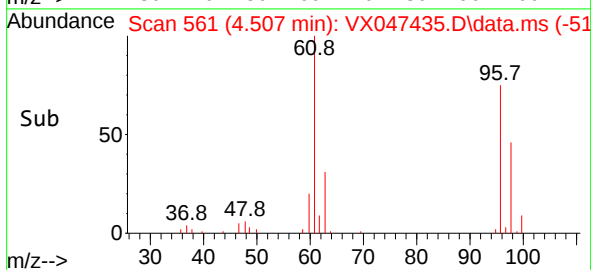
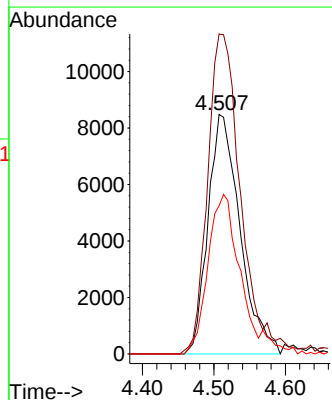
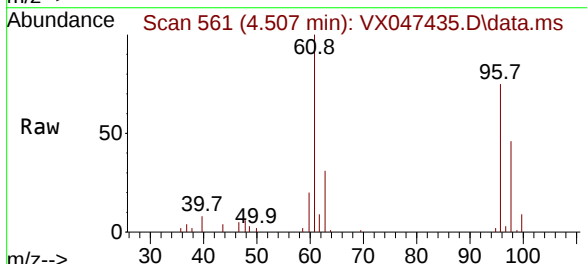
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

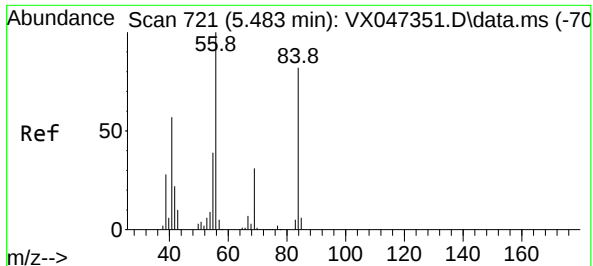
Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
58 51.2 24.8 37.2#



#27
cis-1,2-Dichloroethene
Concen: 5.982 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

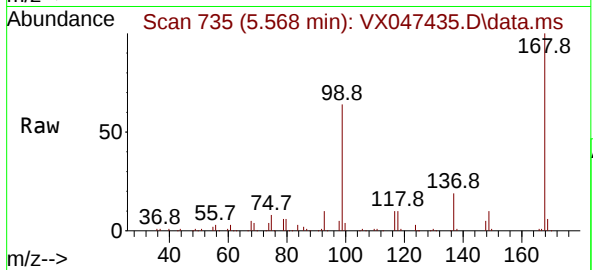
Tgt Ion: 96 Resp: 26338
Ion Ratio Lower Upper
96 100
61 137.5 0.0 296.6
98 68.6 0.0 130.4



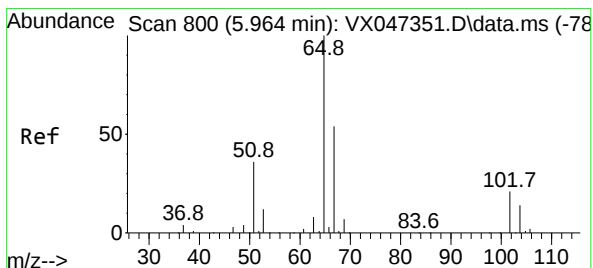
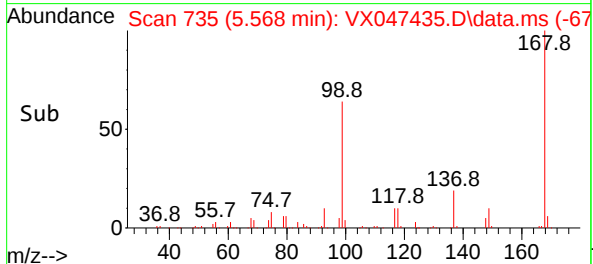
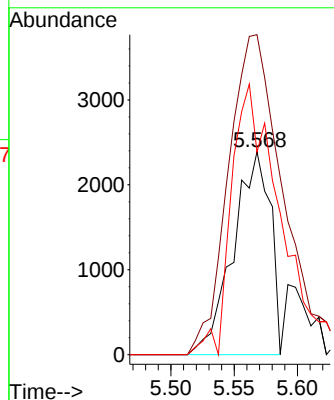


#31
Cyclohexane
Concen: 0.765 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

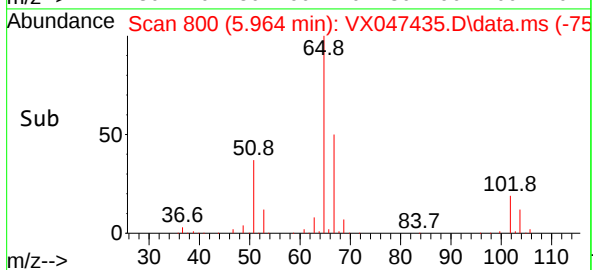
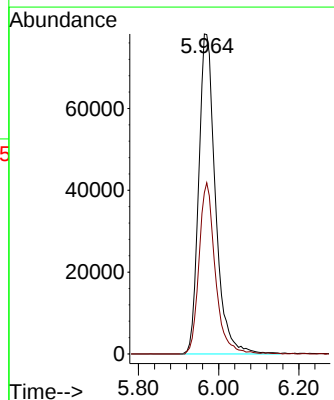
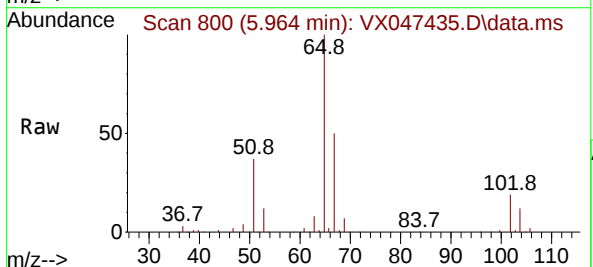


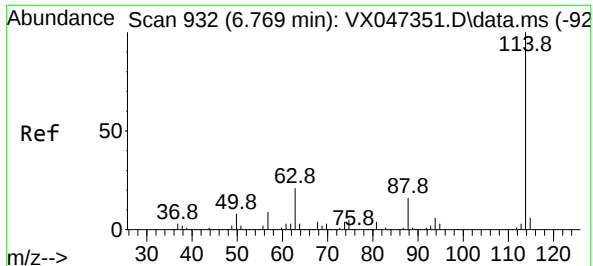
Tgt Ion: 56 Resp: 4875
Ion Ratio Lower Upper
56 100
69 160.3 24.3 36.5#
84 99.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.236 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Tgt Ion: 65 Resp: 226612
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.0

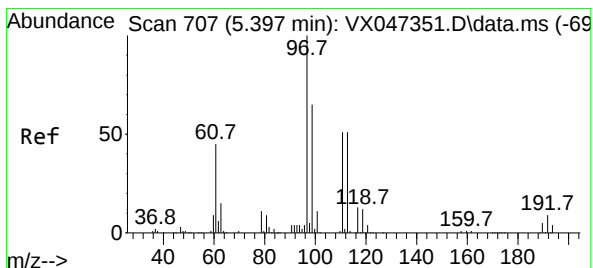
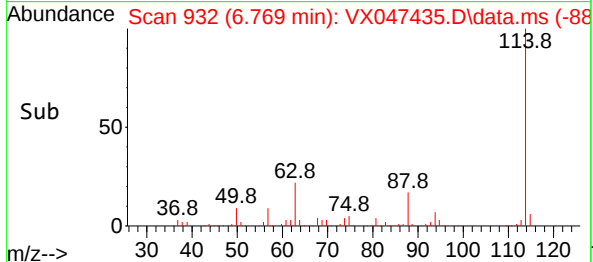
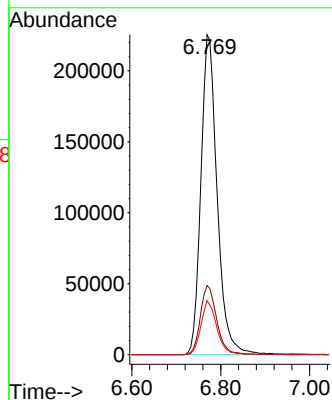
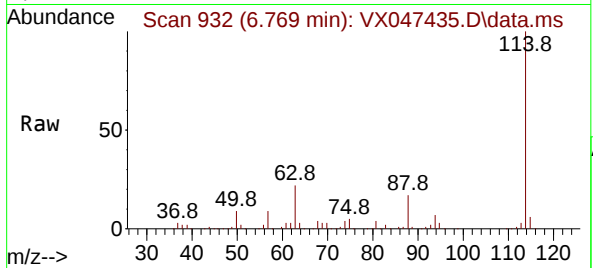




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

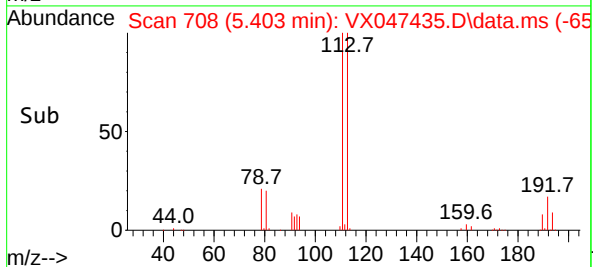
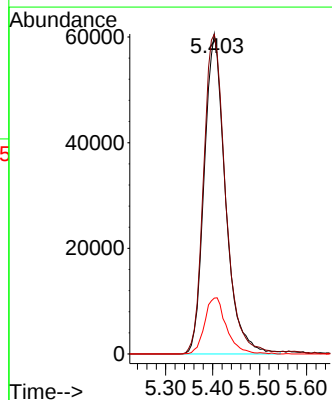
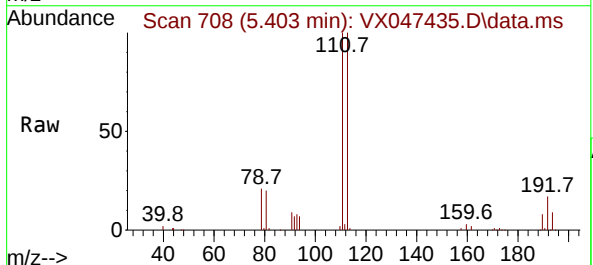
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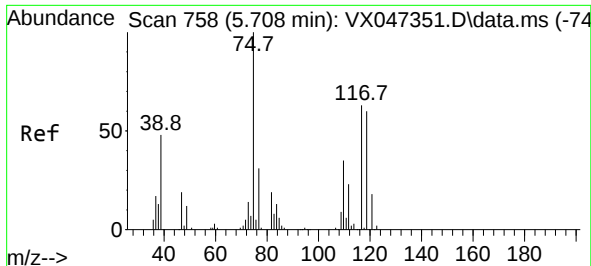
Tgt Ion:114 Resp: 573773
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.922 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Tgt Ion:113 Resp: 189624
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.2
192 18.1 14.1 21.1

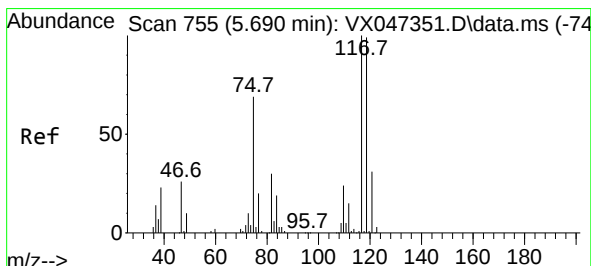
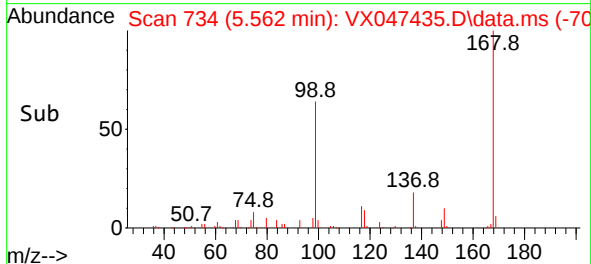
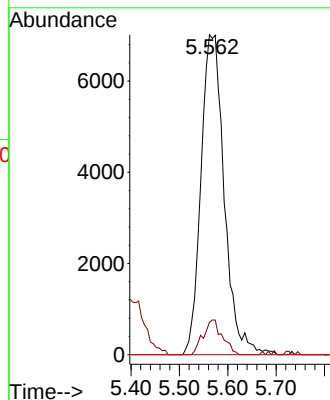
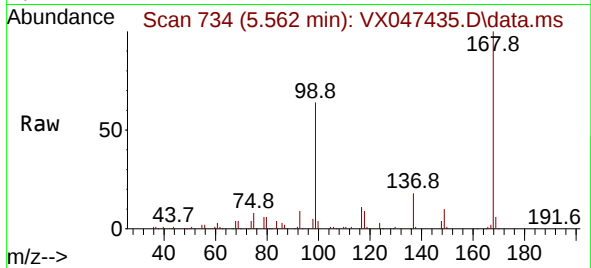




#36
1,1-Dichloropropene
Concen: 3.991 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

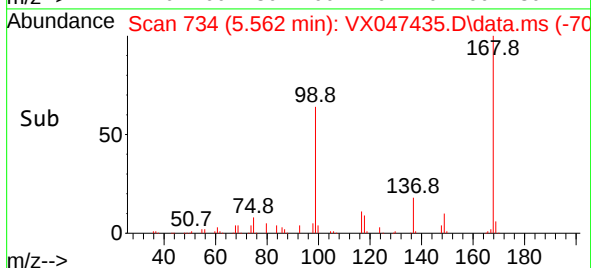
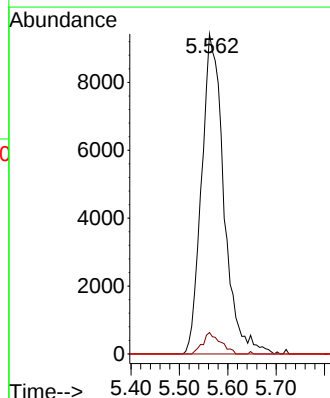
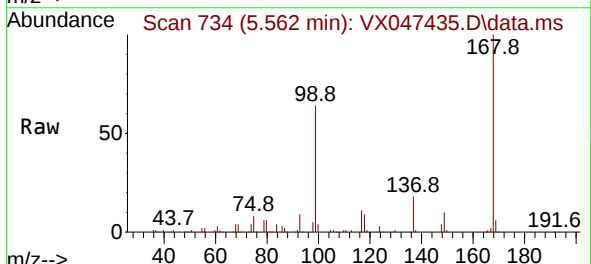
Instrument :
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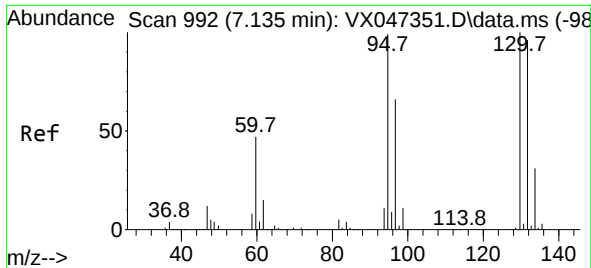
Tgt Ion: 75 Resp: 23461
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.696 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Tgt Ion: 117 Resp: 30167
Ion Ratio Lower Upper
117 100
119 6.7 78.5 117.7#
121 0.0 24.7 37.1#

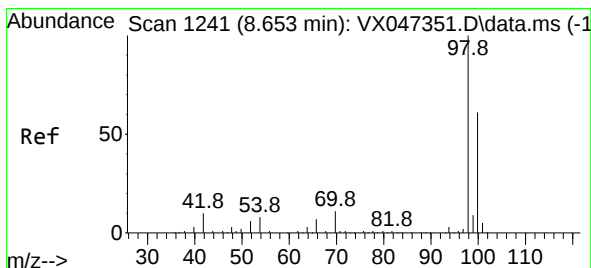
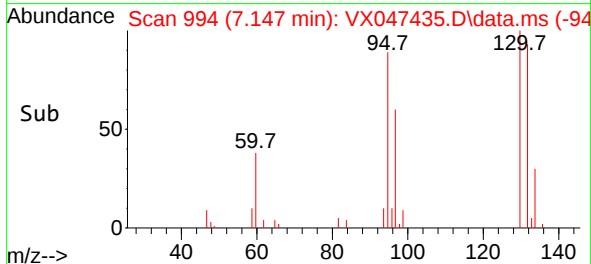
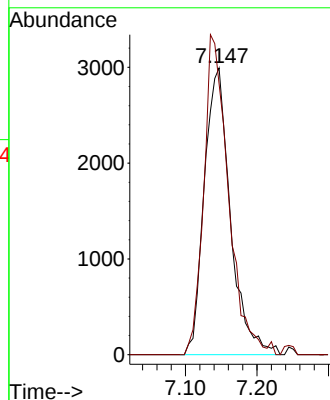
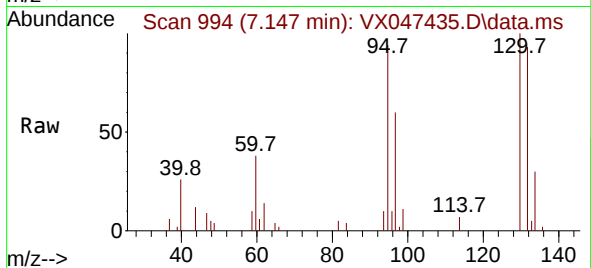




#44
 Trichloroethene
 Concen: 1.692 ug/l
 RT: 7.147 min Scan# 994
 Delta R.T. 0.012 min
 Lab File: VX047435.D
 Acq: 20 Aug 2025 12:32

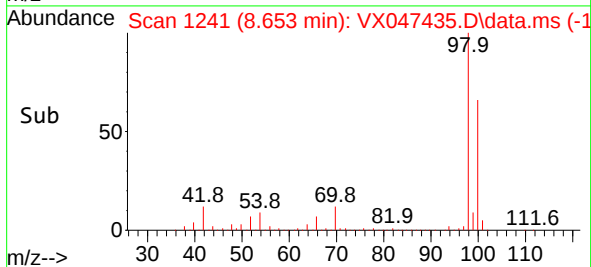
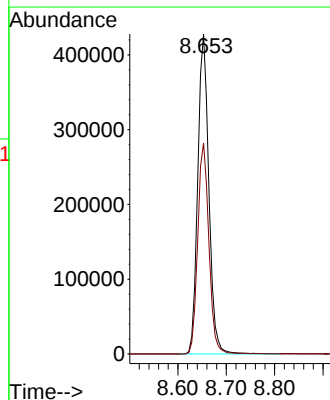
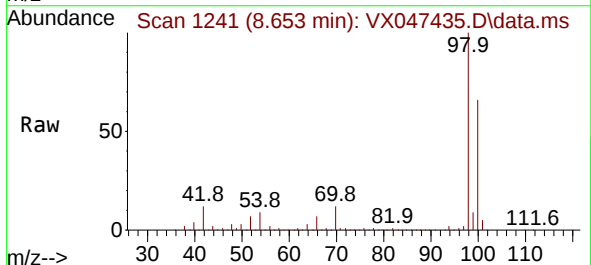
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325

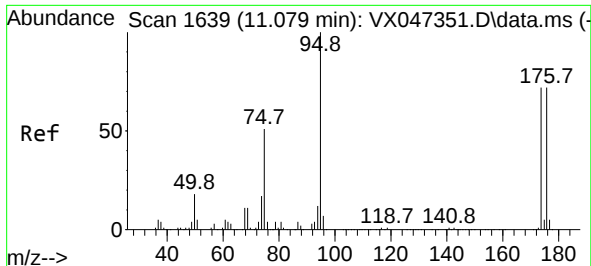
Tgt Ion:130 Resp: 7623
 Ion Ratio Lower Upper
 130 100
 95 94.5 0.0 198.6



#50
 Toluene-d8
 Concen: 51.043 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX047435.D
 Acq: 20 Aug 2025 12:32

Tgt Ion: 98 Resp: 679382
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.9 80.9

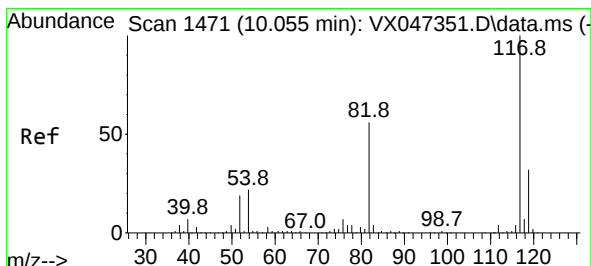
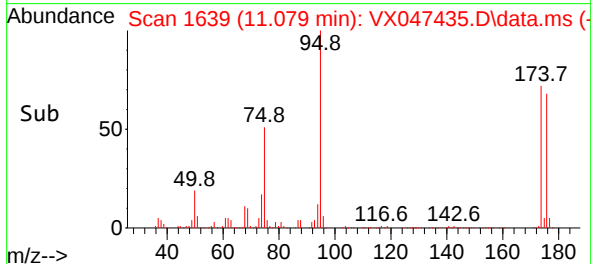
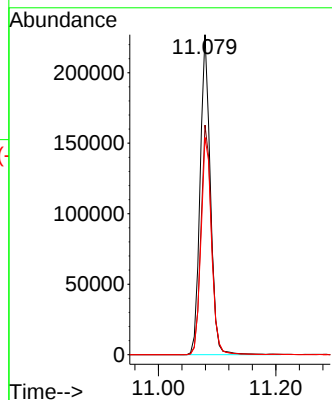
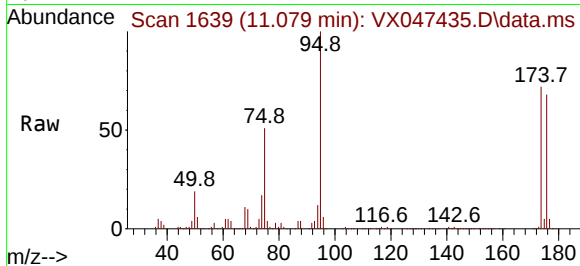




#62
4-Bromofluorobenzene
Concen: 55.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

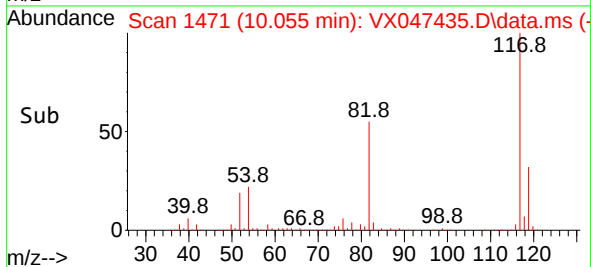
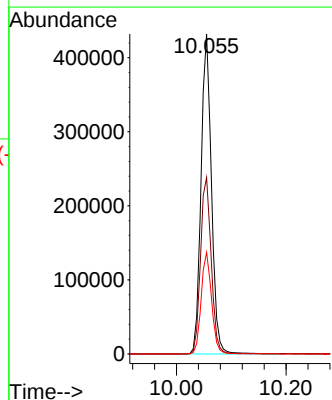
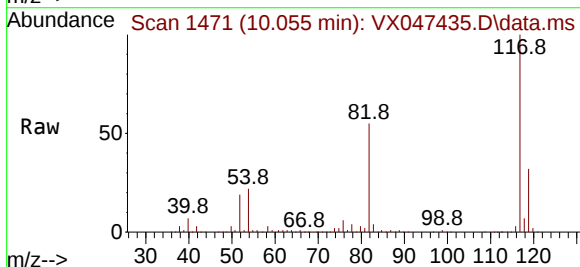
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

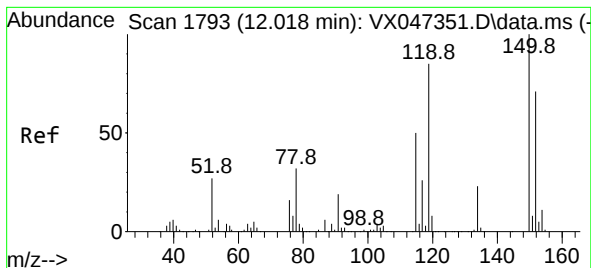
Tgt Ion: 95 Resp: 274073
Ion Ratio Lower Upper
95 100
174 74.3 0.0 148.0
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047435.D
Acq: 20 Aug 2025 12:32

Tgt Ion: 117 Resp: 570050
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 31.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047435.D

Acq: 20 Aug 2025 12:32

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

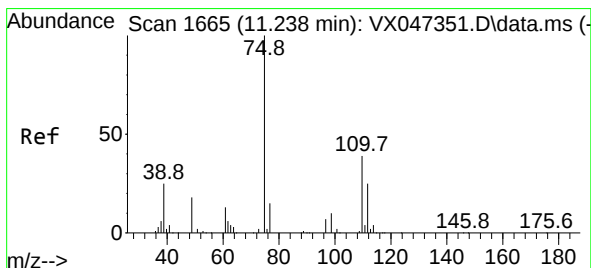
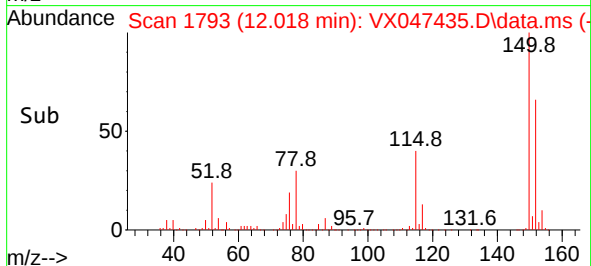
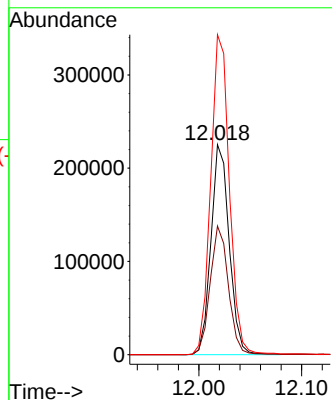
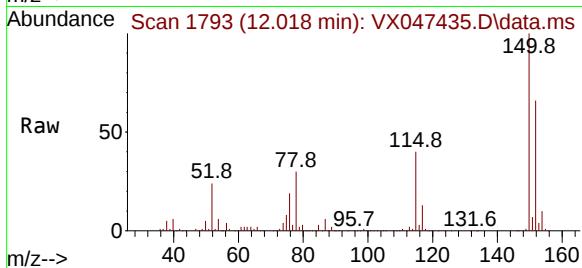
Tgt Ion:152 Resp: 278490

Ion Ratio Lower Upper

152 100

115 61.4 44.6 133.8

150 156.6 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.897 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047435.D

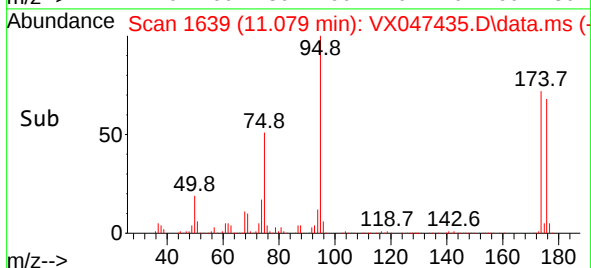
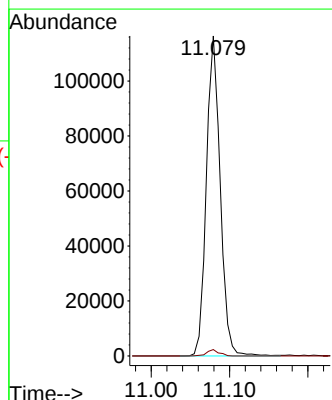
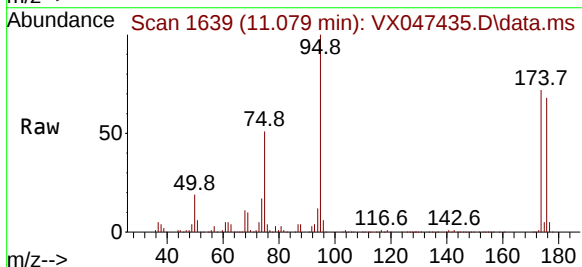
Acq: 20 Aug 2025 12:32

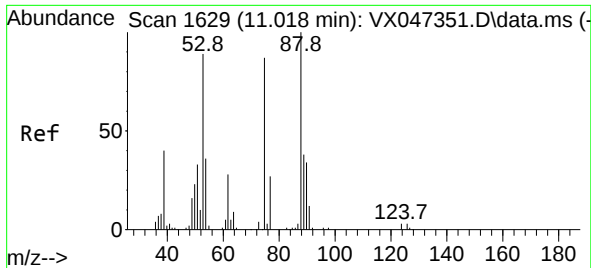
Tgt Ion: 75 Resp: 142494

Ion Ratio Lower Upper

75 100

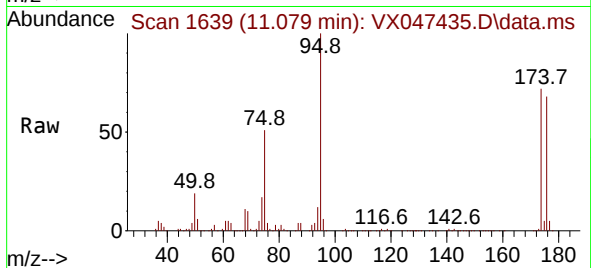
77 1.8 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.054 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047435.D
 Acq: 20 Aug 2025 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325



Tgt Ion: 75 Resp: 142494
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.2 127.8#
 89 0.0 36.7 55.1#

