

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047452.D
 Acq On : 20 Aug 2025 18:40
 Operator : JC/MD
 Sample : Q2878-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 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)

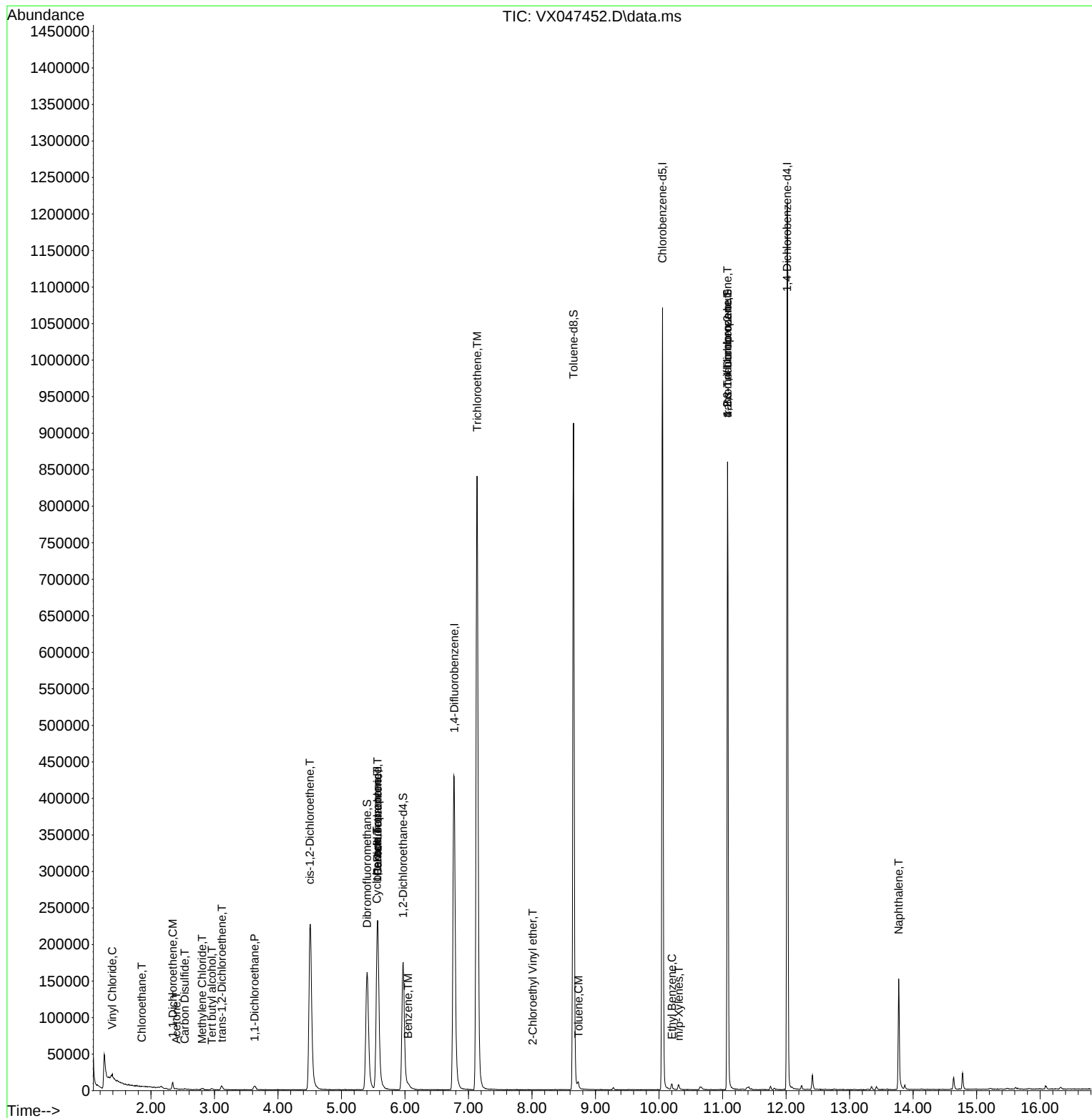
Internal Standards						
1) Pentafluorobenzene	5.568	168	233413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	475099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	184033	56.336	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.680%			
35) Dibromofluoromethane	5.403	113	155611	50.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.940%			
50) Toluene-d8	8.653	98	544870	49.439	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.880%			
62) 4-Bromofluorobenzene	11.079	95	231003	56.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.600%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	1834	0.546	ug/l #	23
6) Chloroethane	1.855	64	506	0.246	ug/l #	44
11) Tert butyl alcohol	2.958	59	230	0.809	ug/l #	72
12) 1,1-Dichloroethene	2.343	96	3613	1.229	ug/l #	90
16) Acetone	2.398	43	1834	1.494	ug/l	92
17) Carbon Disulfide	2.532	76	1846	0.208	ug/l #	66
20) Methylene Chloride	2.806	84	922	0.284	ug/l	89
21) trans-1,2-Dichloroethene	3.117	96	2574	0.825	ug/l	96
24) 1,1-Dichloroethane	3.629	63	7002	1.228	ug/l #	93
27) cis-1,2-Dichloroethene	4.501	96	163315	44.953	ug/l	89
31) Cyclohexane	5.556	56	2158	0.410	ug/l #	3
36) 1,1-Dichloropropene	5.562	75	19215	3.948	ug/l #	52
38) Carbon Tetrachloride	5.568	117	24818	4.666	ug/l #	15
40) Benzene	6.049	78	5461	0.375	ug/l #	1
44) Trichloroethene	7.135	130	343338	92.036	ug/l	96
52) Toluene	8.732	92	3358	0.373	ug/l	84
58) 2-Chloroethyl Vinyl ether	8.012	63	18	8.363	ug/l #	46
67) Ethyl Benzene	10.201	91	5646	0.297	ug/l #	85
68) m/p-Xylenes	10.311	106	2227	0.314	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	119521	26.855	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	119521	106.237	ug/l #	7
95) Naphthalene	13.774	128	103253	6.410	ug/l	99

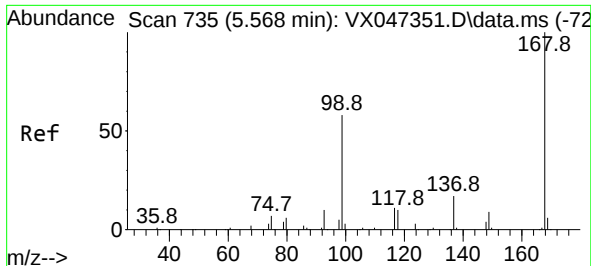
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047452.D
Acq On : 20 Aug 2025 18:40
Operator : JC/MD
Sample : Q2878-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 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

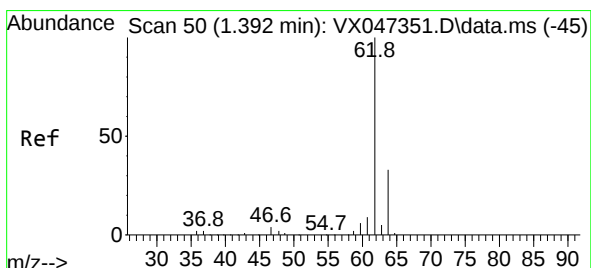
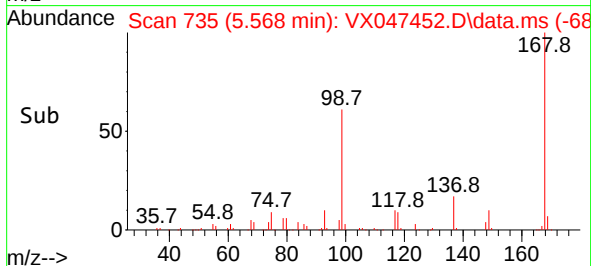
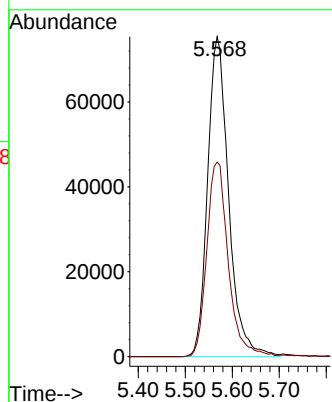
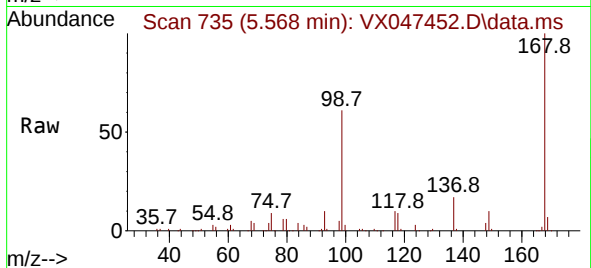




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

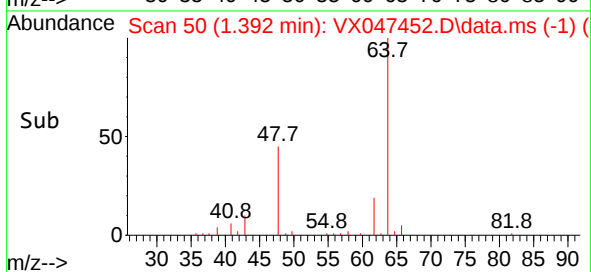
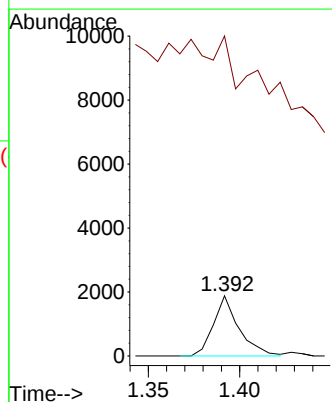
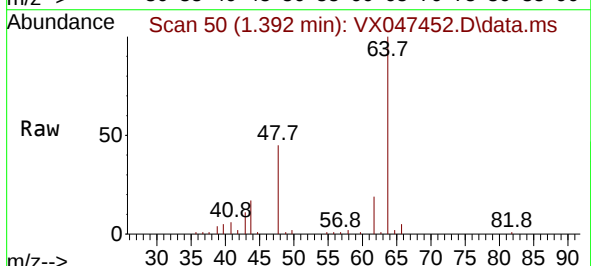
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

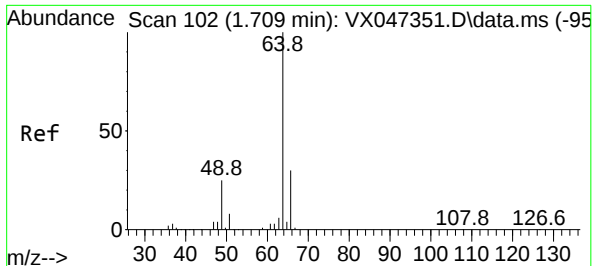
Tgt Ion:168 Resp: 233413
Ion Ratio Lower Upper
168 100
99 60.8 47.9 71.9



#4
Vinyl Chloride
Concen: 0.546 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 62 Resp: 1834
Ion Ratio Lower Upper
62 100
64 76.9 26.5 39.7#

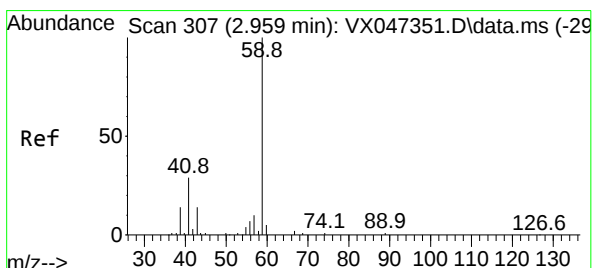
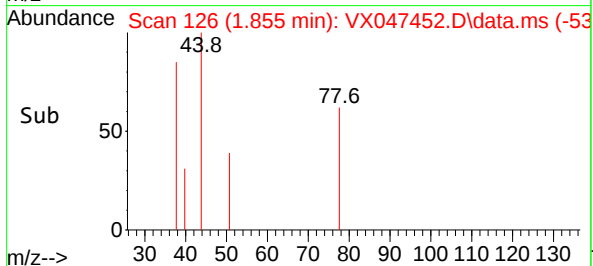
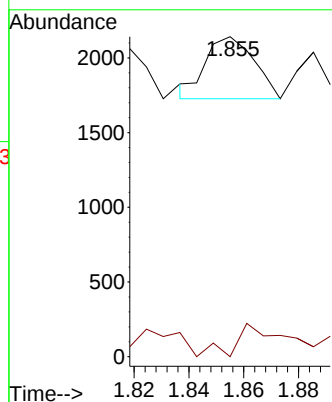
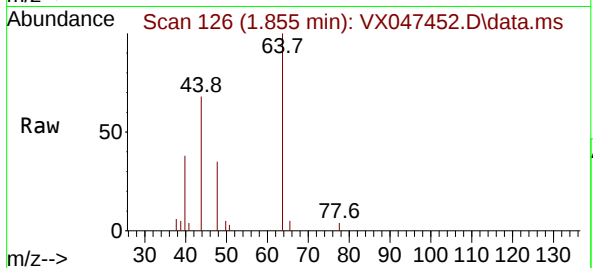




#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.855 min Scan# 11
Delta R.T. 0.146 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

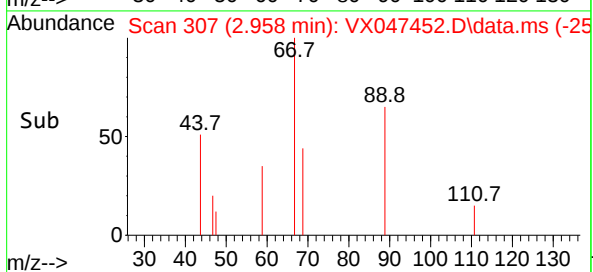
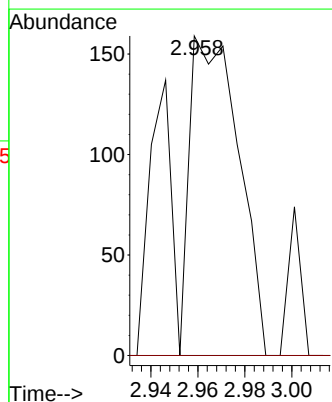
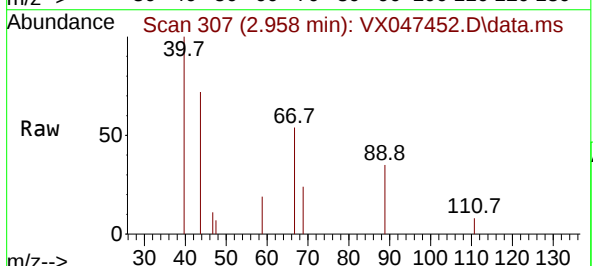
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

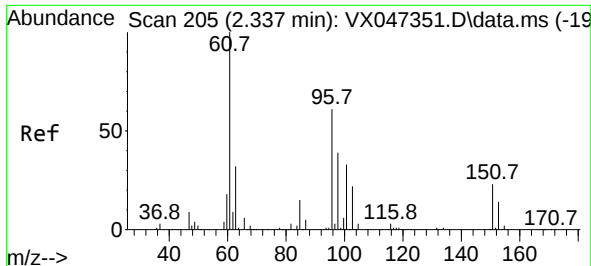
Tgt Ion: 64 Resp: 506
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#11
Tert butyl alcohol
Concen: 0.809 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 1.229 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

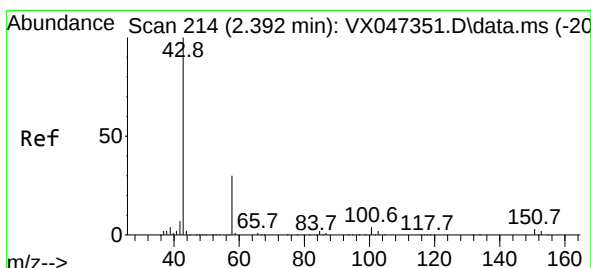
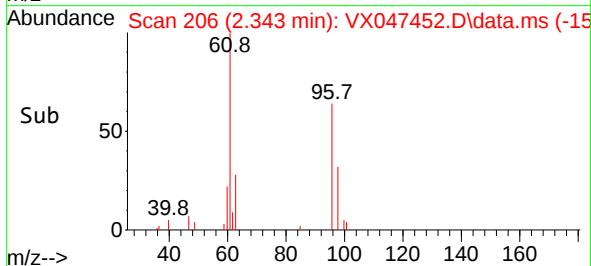
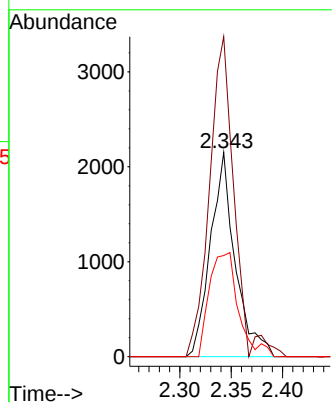
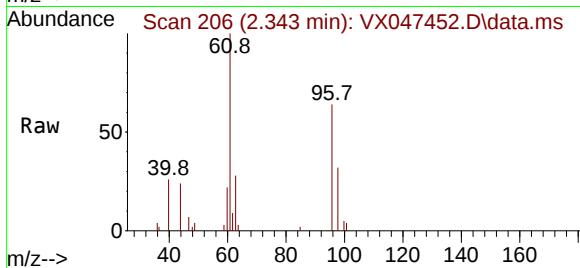
Tgt Ion: 96 Resp: 3613

Ion Ratio Lower Upper

96 100

61 156.6 132.2 198.2

98 49.5 51.2 76.8#



#16

Acetone

Concen: 1.494 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX047452.D

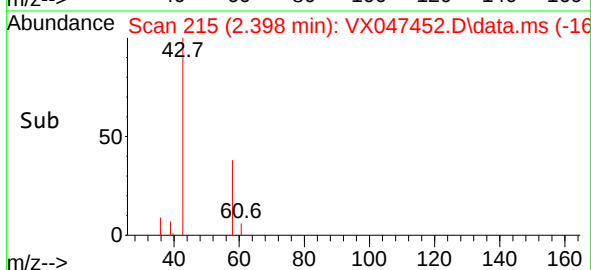
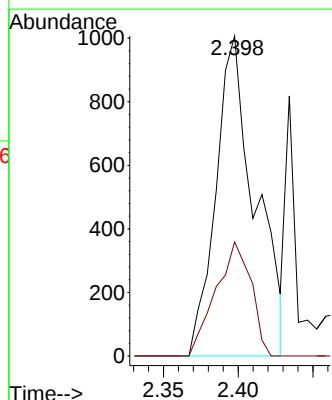
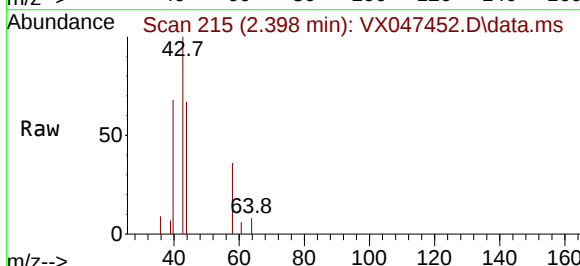
Acq: 20 Aug 2025 18:40

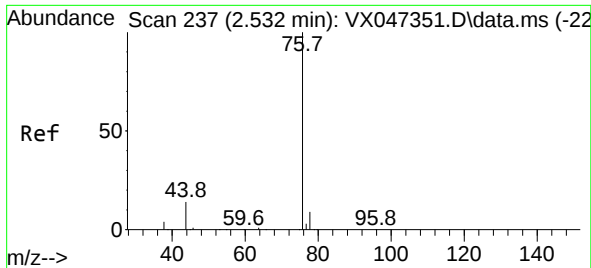
Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

43 100

58 35.7 24.8 37.2





#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

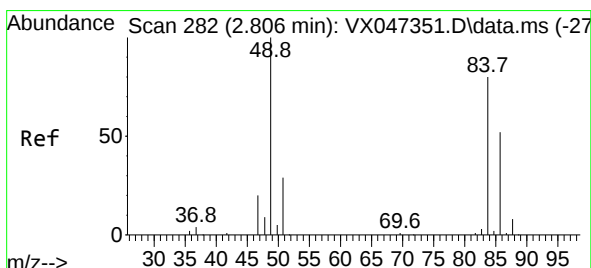
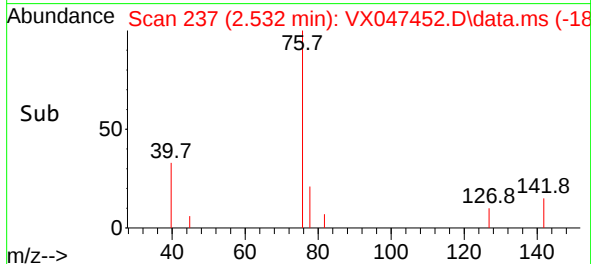
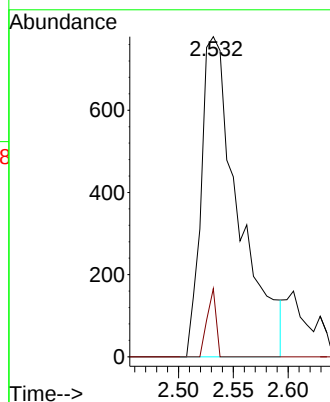
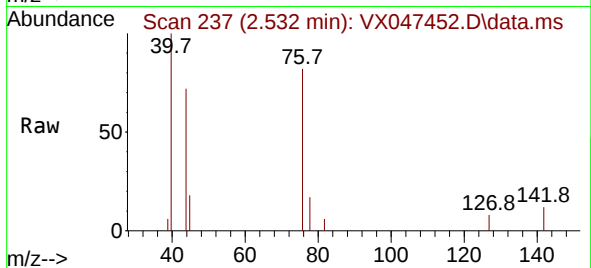
MW-11A-37.5-081425

Tgt Ion: 76 Resp: 1846

Ion Ratio Lower Upper

76 100

78 21.3 7.2 10.8#



#20

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.806 min Scan# 282

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Tgt Ion: 84 Resp: 922

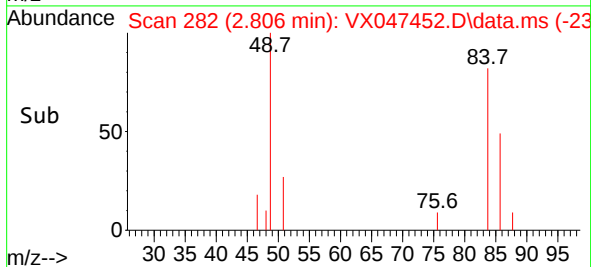
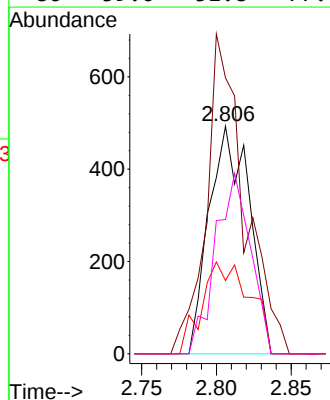
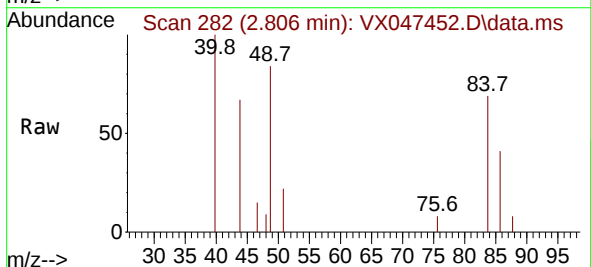
Ion Ratio Lower Upper

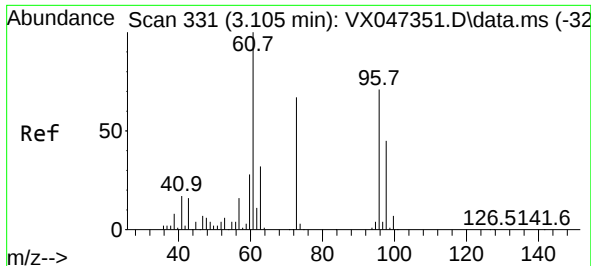
84 100

49 110.3 100.1 150.1

51 32.3 29.5 44.3

86 59.0 51.8 77.8

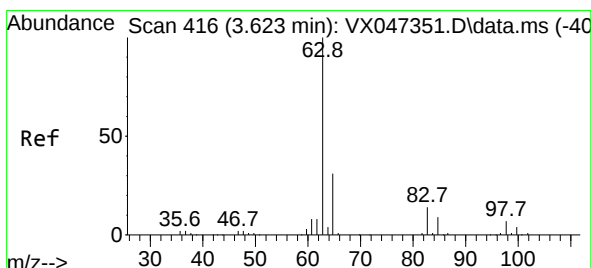
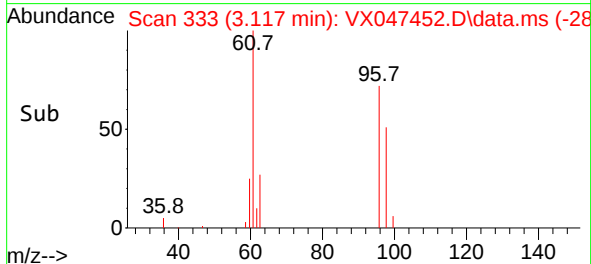
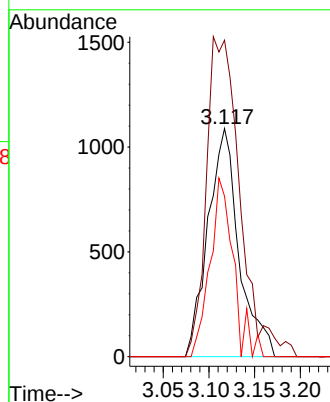
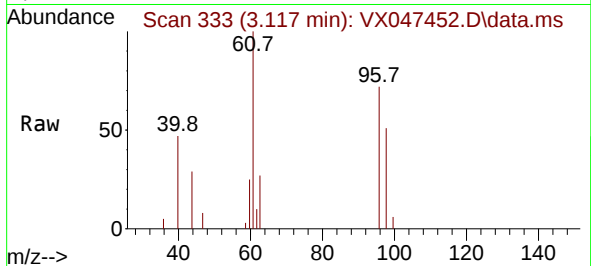




#21
trans-1,2-Dichloroethene
Concen: 0.825 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

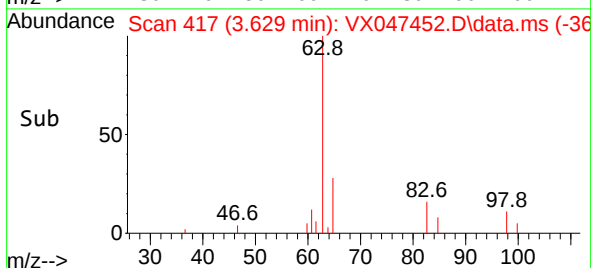
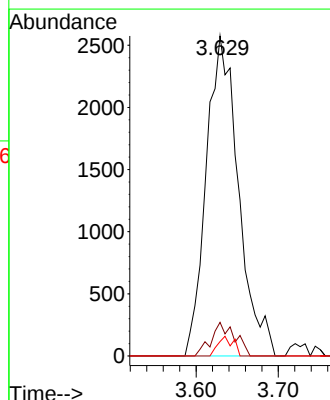
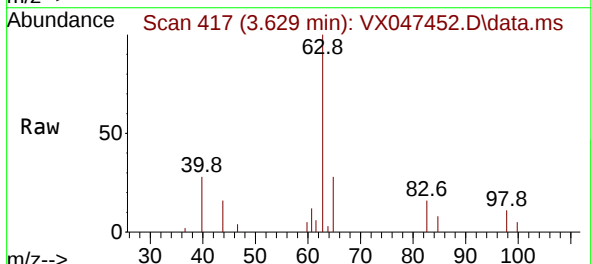
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

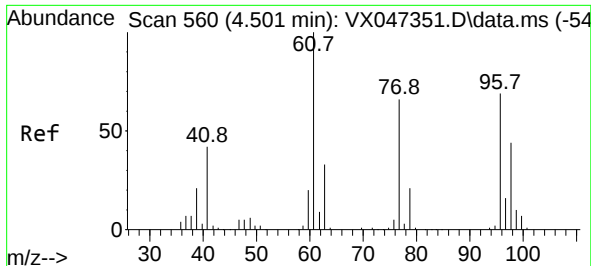
Tgt Ion: 96 Resp: 2574
Ion Ratio Lower Upper
96 100
61 138.7 112.6 169.0
98 70.3 50.9 76.3



#24
1,1-Dichloroethane
Concen: 1.228 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 63 Resp: 7002
Ion Ratio Lower Upper
63 100
98 10.5 3.3 9.9#
100 4.5 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 44.953 ug/l

RT: 4.501 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

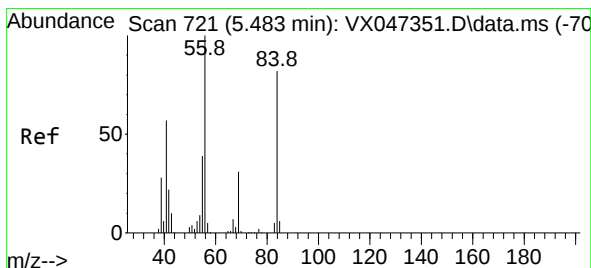
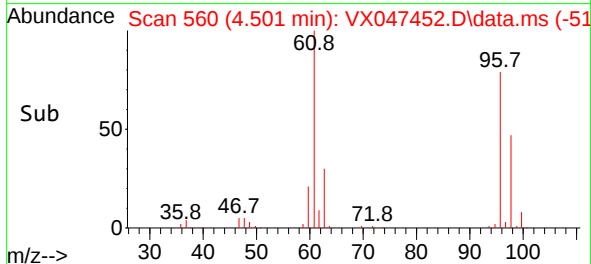
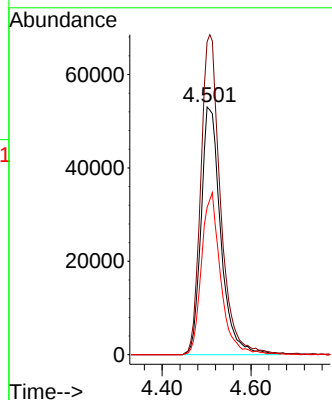
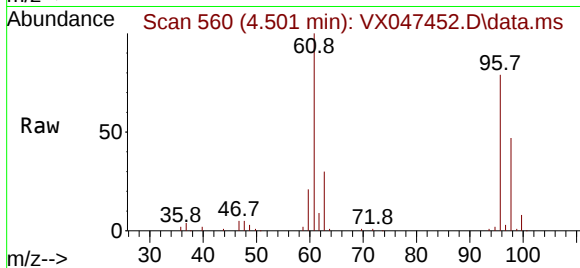
Tgt Ion: 96 Resp: 163315

Ion Ratio Lower Upper

96 100

61 129.4 0.0 296.6

98 63.6 0.0 130.4



#31

Cyclohexane

Concen: 0.410 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

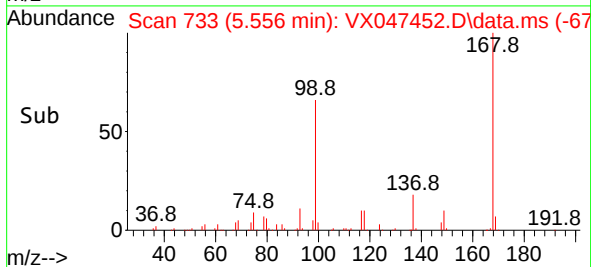
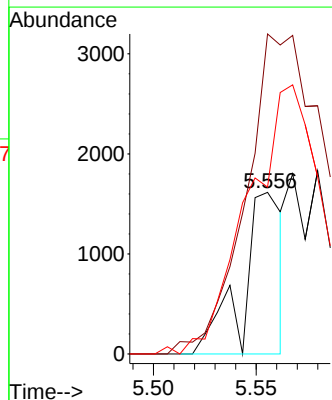
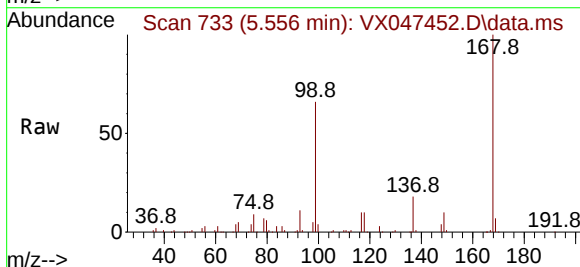
Tgt Ion: 56 Resp: 2158

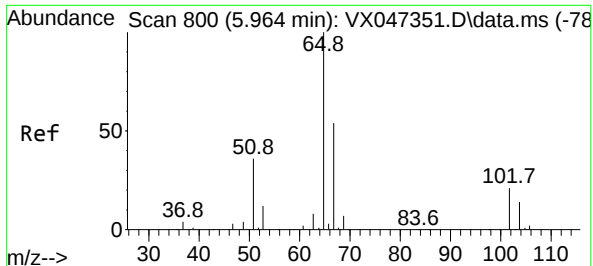
Ion Ratio Lower Upper

56 100

69 190.5 24.3 36.5#

84 103.3 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 56.336 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

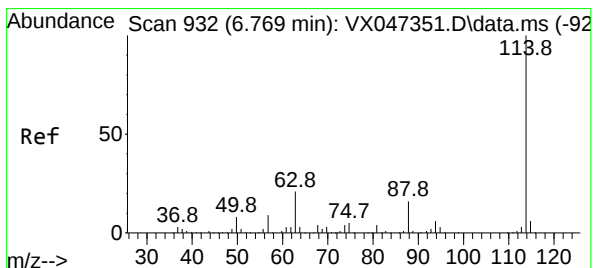
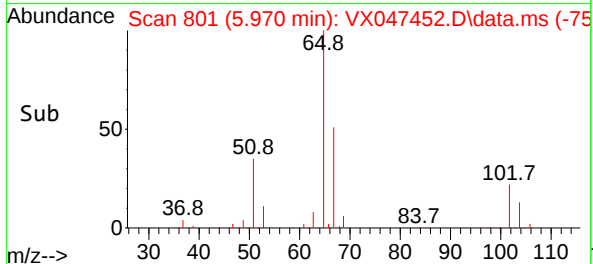
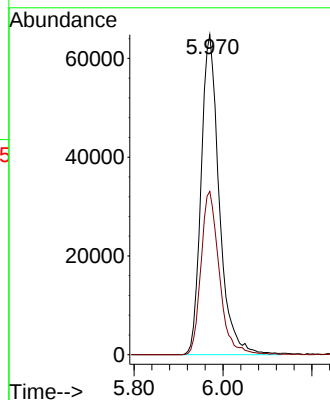
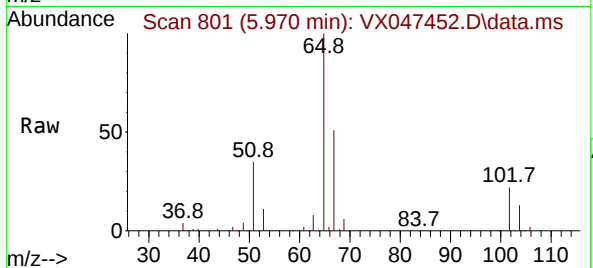
MW-11A-37.5-081425

Tgt Ion: 65 Resp: 184033

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

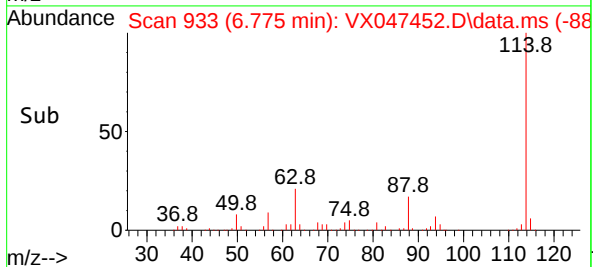
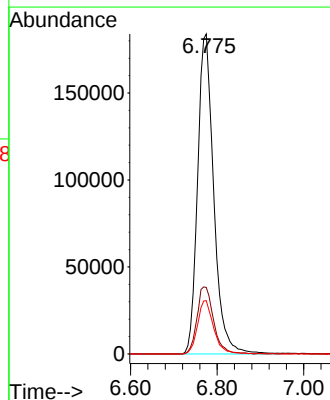
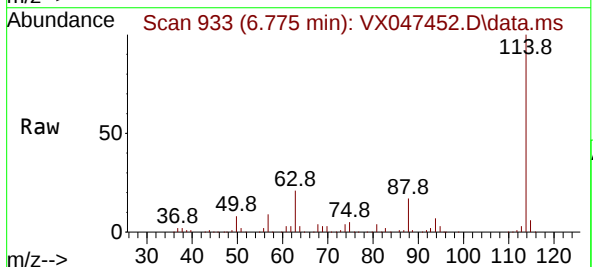
Tgt Ion: 114 Resp: 475099

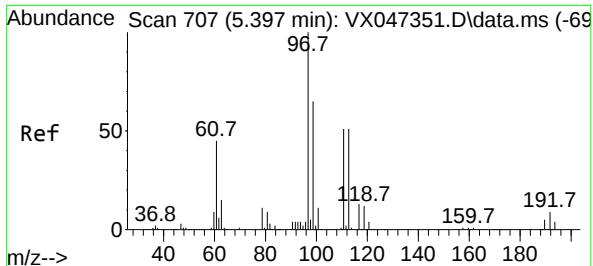
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.7 0.0 33.0

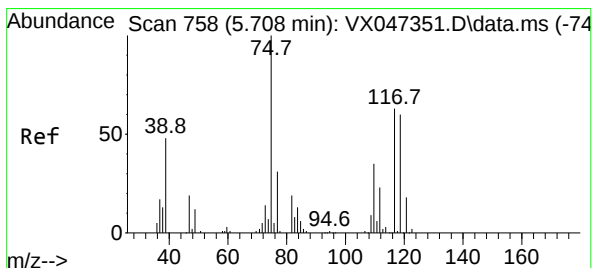
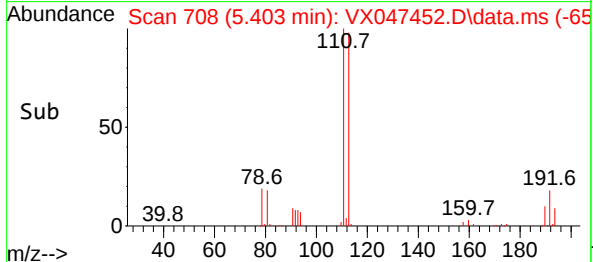
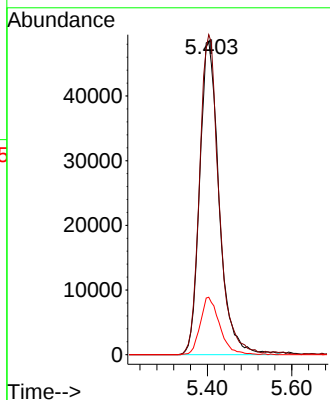
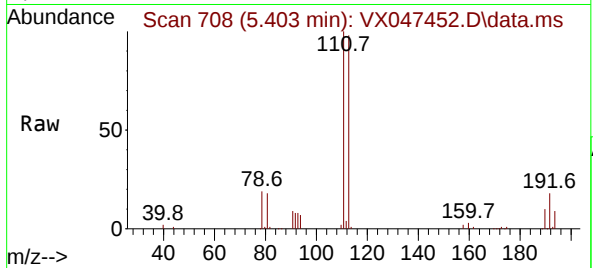




#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

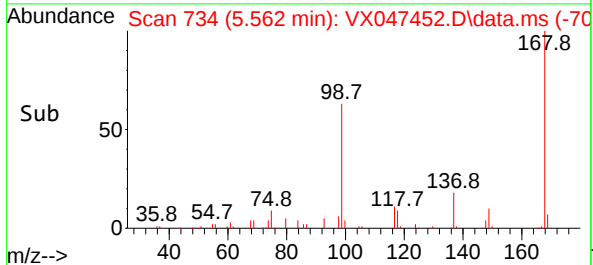
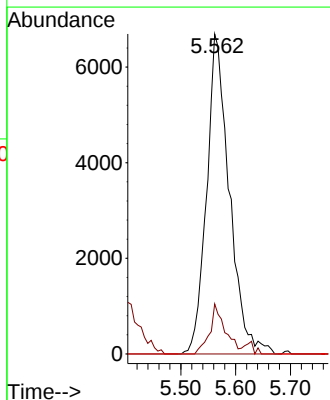
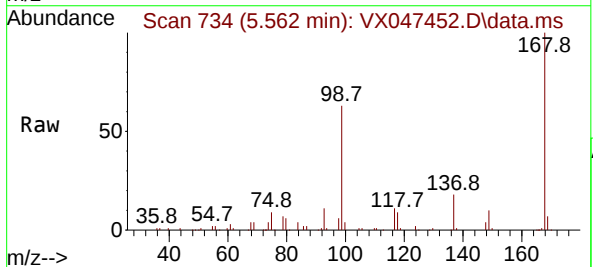
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

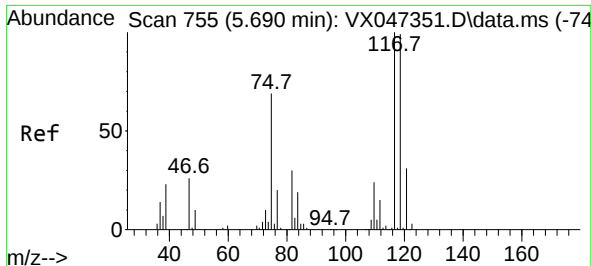
Tgt Ion:113 Resp: 155611
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.2
192 18.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.948 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.147 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

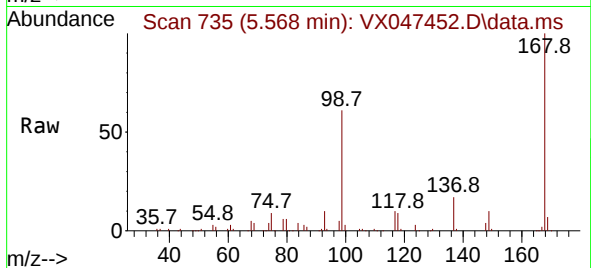
Tgt Ion: 75 Resp: 19215
Ion Ratio Lower Upper
75 100
110 10.8 17.4 52.2#
77 0.0 24.4 36.6#



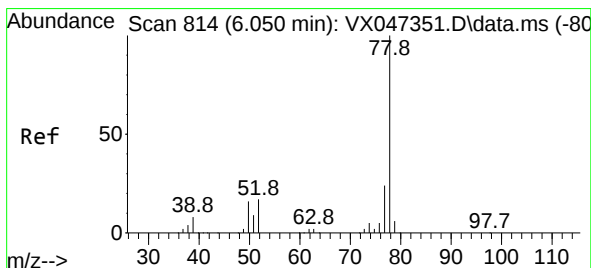
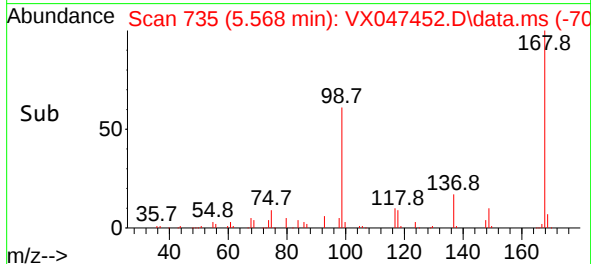
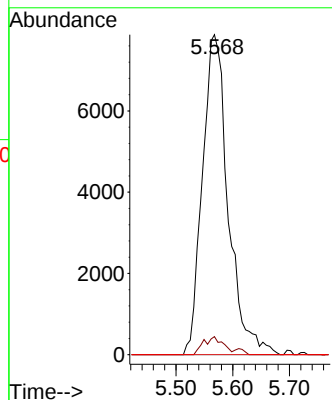


#38
Carbon Tetrachloride
Concen: 4.666 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

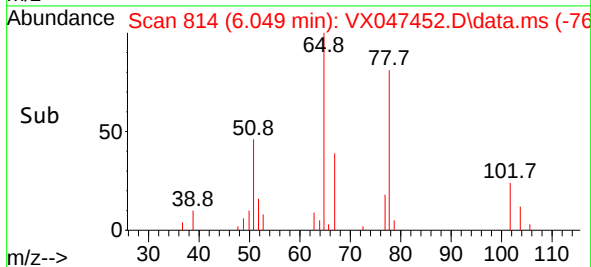
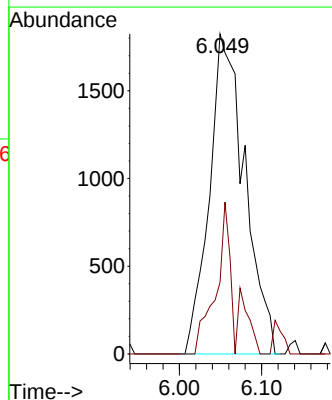
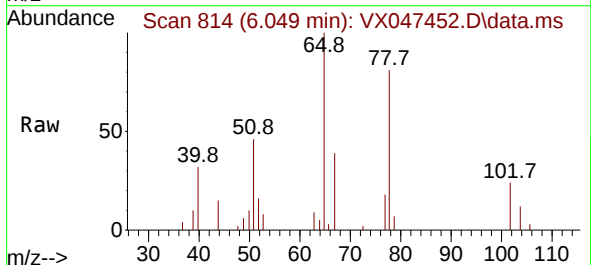


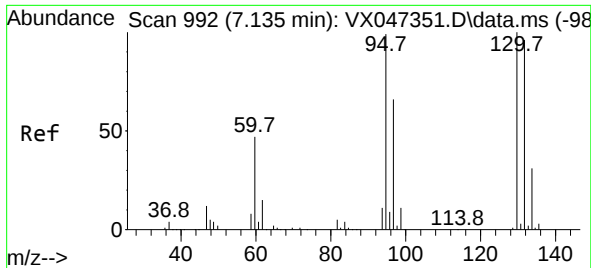
Tgt Ion:117 Resp: 24818
Ion Ratio Lower Upper
117 100
119 5.6 78.5 117.7#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 0.375 ug/l
RT: 6.049 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 78 Resp: 5461
Ion Ratio Lower Upper
78 100
77 112.1 19.0 28.4#

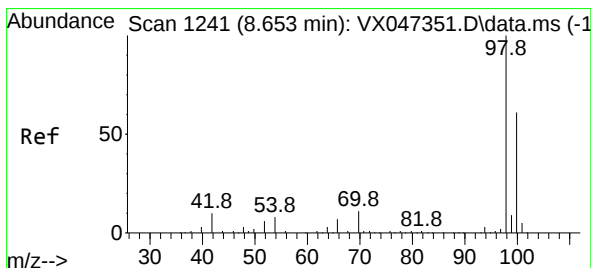
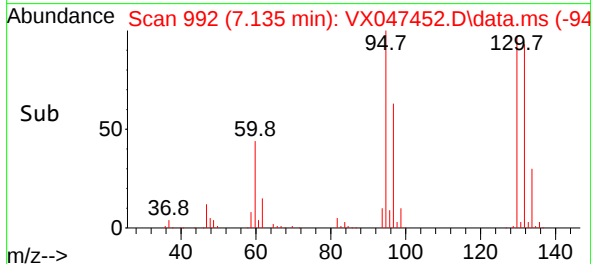
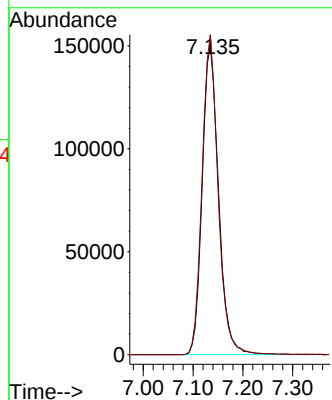
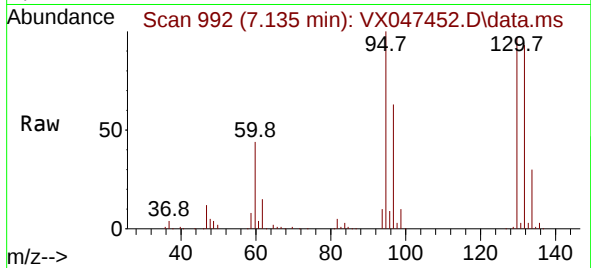




#44
Trichloroethene
Concen: 92.036 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

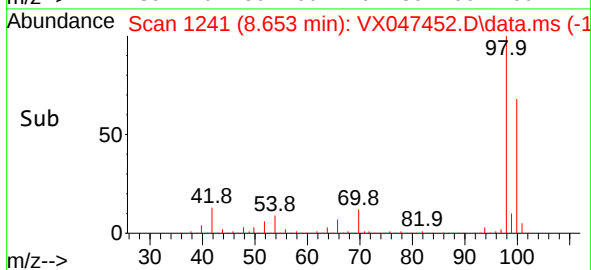
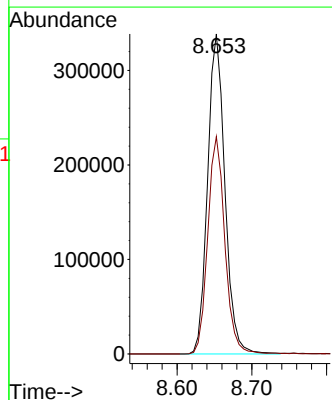
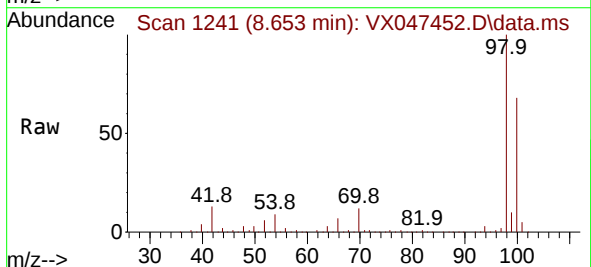
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

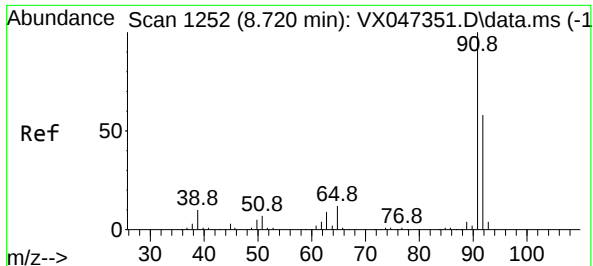
Tgt Ion:130 Resp: 343338
Ion Ratio Lower Upper
130 100
95 103.4 0.0 198.6



#50
Toluene-d8
Concen: 49.439 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 98 Resp: 544870
Ion Ratio Lower Upper
98 100
100 67.2 53.9 80.9

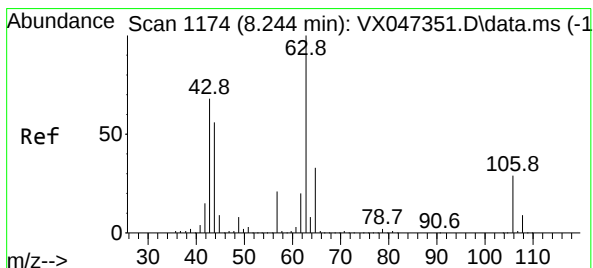
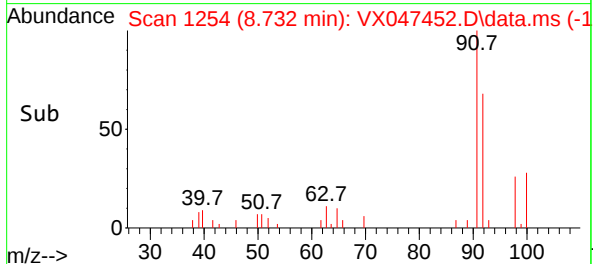
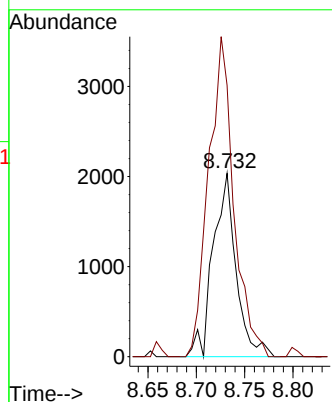
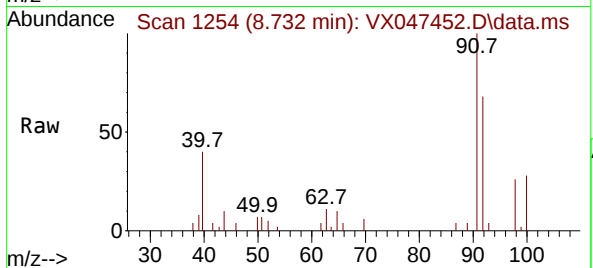




#52
Toluene
Concen: 0.373 ug/l
RT: 8.732 min Scan# 1136
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

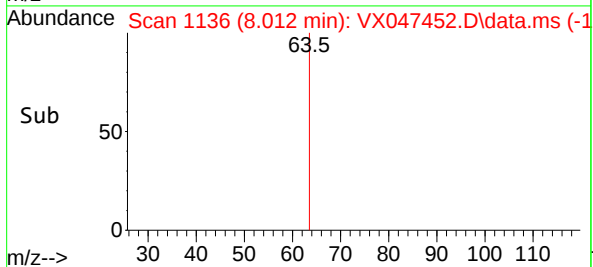
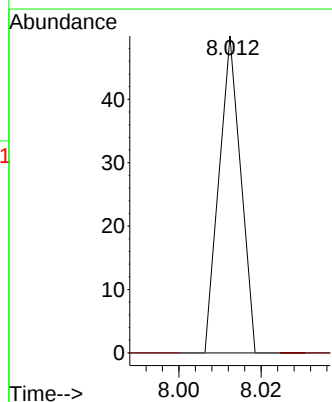
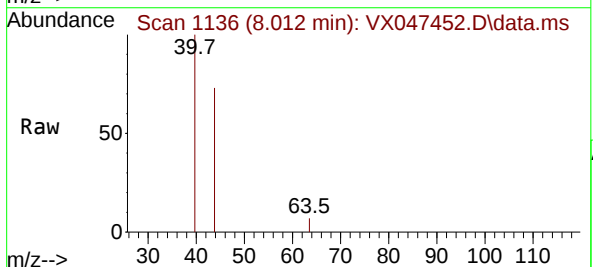
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

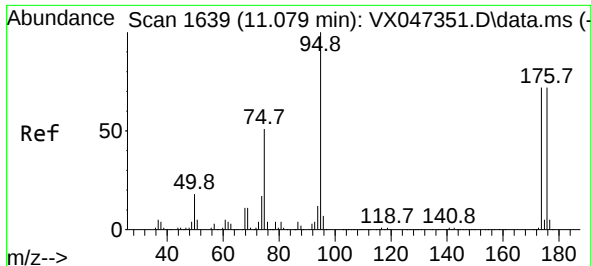
Tgt Ion: 92 Resp: 3358
Ion Ratio Lower Upper
92 100
91 191.8 136.3 204.5



#58
2-Chloroethyl Vinyl ether
Concen: 8.363 ug/l
RT: 8.012 min Scan# 1136
Delta R.T. -0.232 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 56.800 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

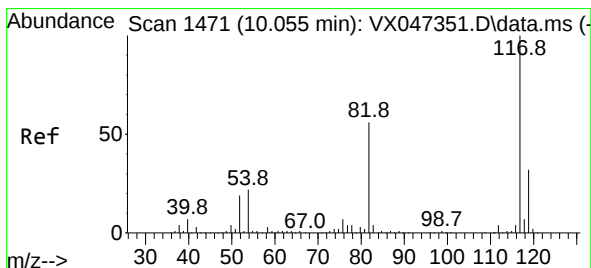
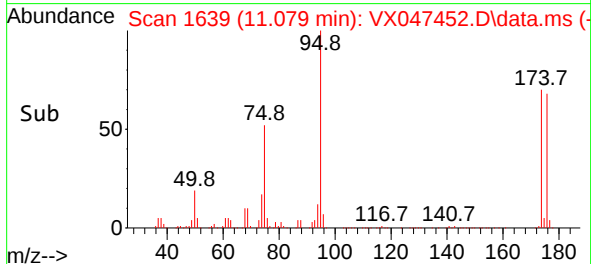
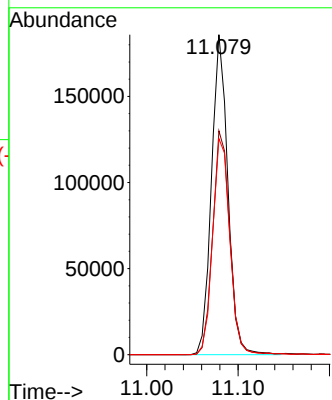
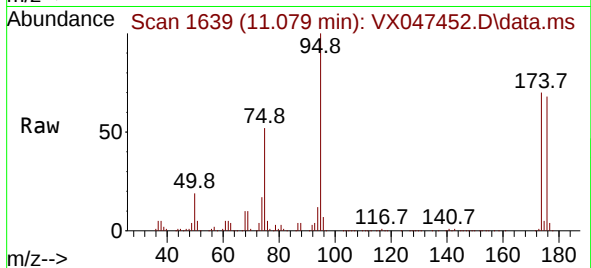
Tgt Ion: 95 Resp: 231003

Ion Ratio Lower Upper

95 100

174 72.7 0.0 148.0

176 71.1 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: VX047452.D

Acq: 20 Aug 2025 18:40

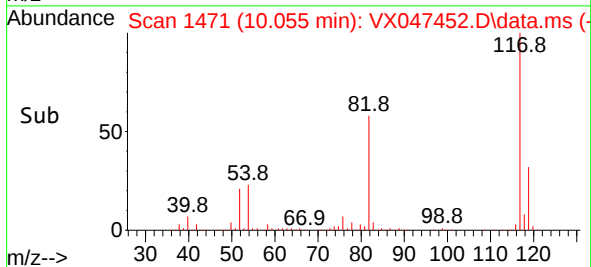
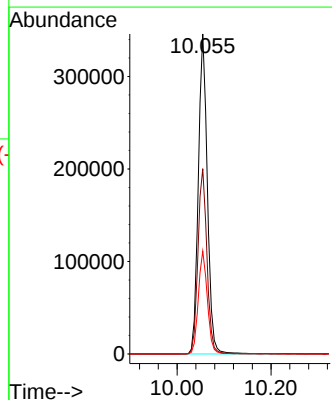
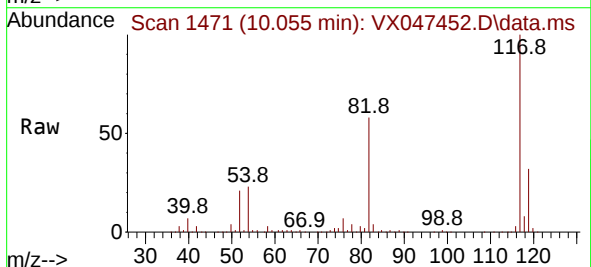
Tgt Ion: 117 Resp: 465473

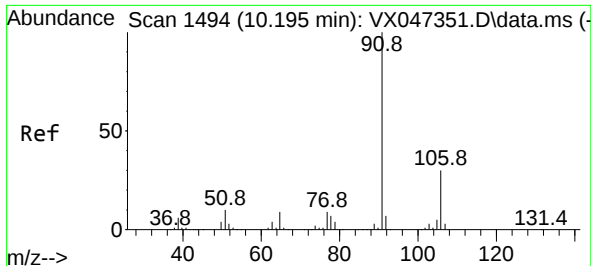
Ion Ratio Lower Upper

117 100

82 57.9 45.0 67.4

119 32.1 25.8 38.8





#67

Ethyl Benzene

Concen: 0.297 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

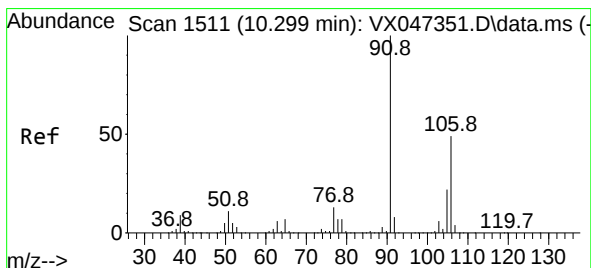
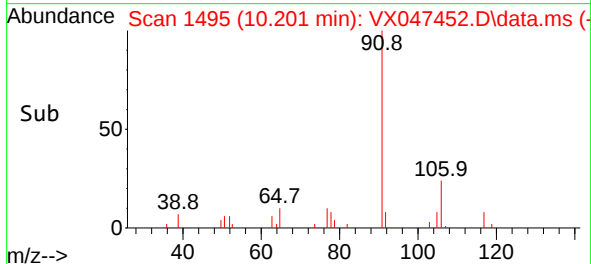
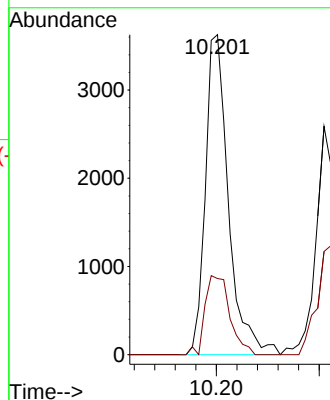
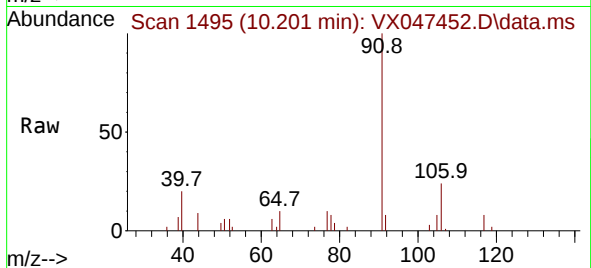
MW-11A-37.5-081425

Tgt Ion: 91 Resp: 5646

Ion Ratio Lower Upper

91 100

106 22.1 24.4 36.6#



#68

m/p-Xylenes

Concen: 0.314 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX047452.D

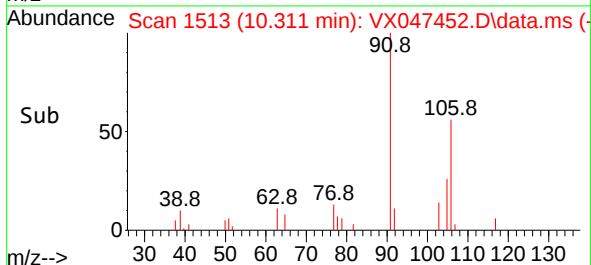
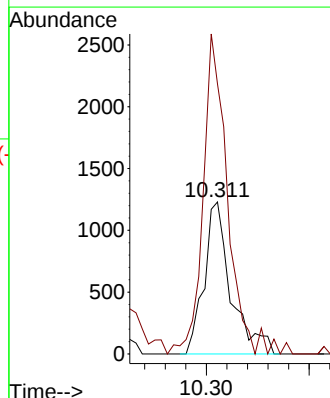
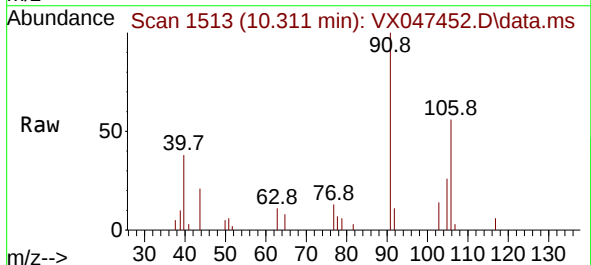
Acq: 20 Aug 2025 18:40

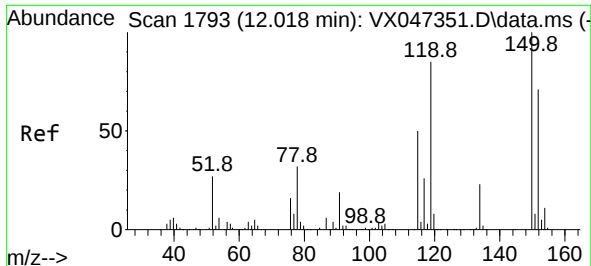
Tgt Ion: 106 Resp: 2227

Ion Ratio Lower Upper

106 100

91 185.1 164.7 247.1

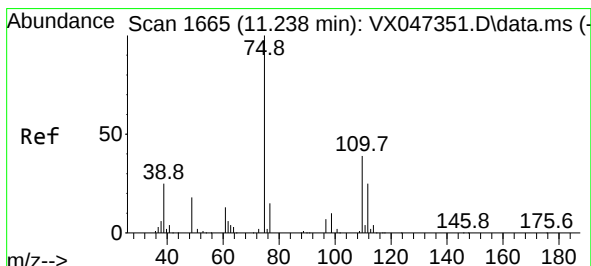
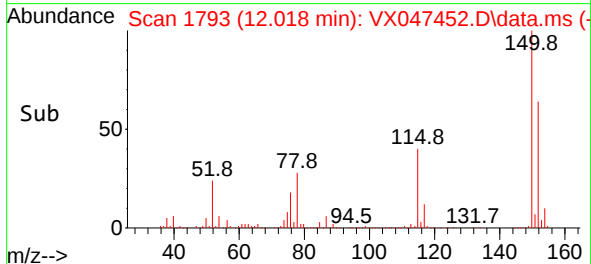
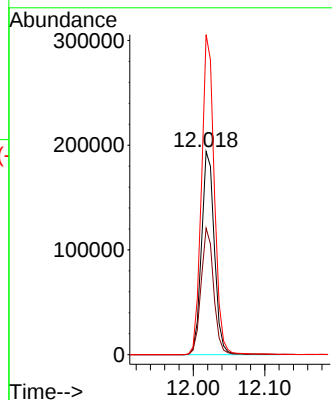
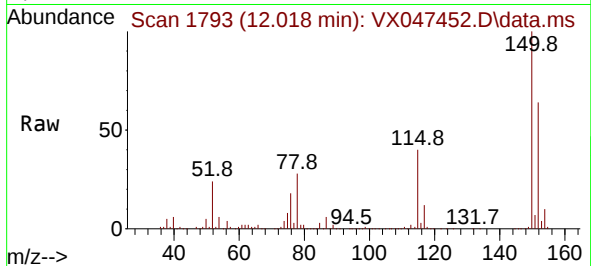




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047452.D
 Acq: 20 Aug 2025 18:40

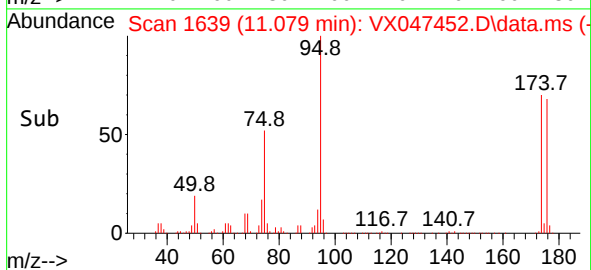
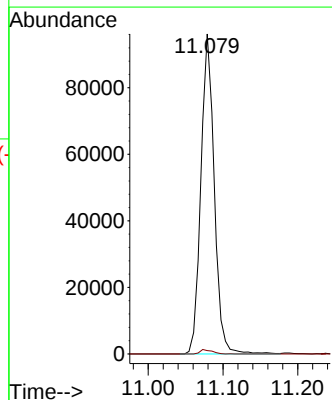
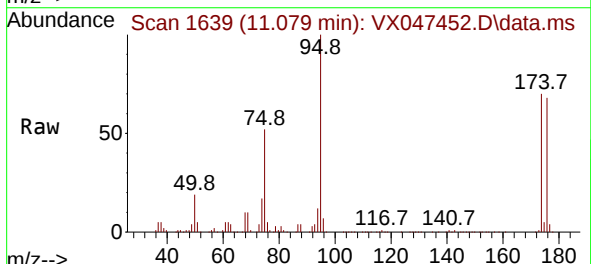
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-37.5-081425

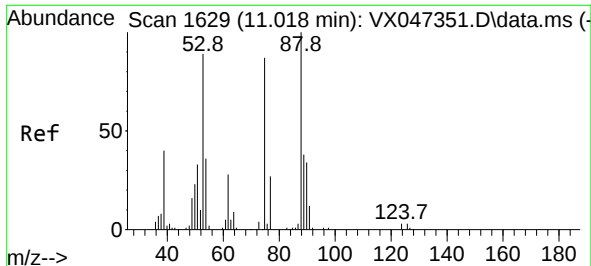
Tgt Ion:152 Resp: 242657
 Ion Ratio Lower Upper
 152 100
 115 60.9 44.6 133.8
 150 157.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 26.855 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047452.D
 Acq: 20 Aug 2025 18:40

Tgt Ion: 75 Resp: 119521
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

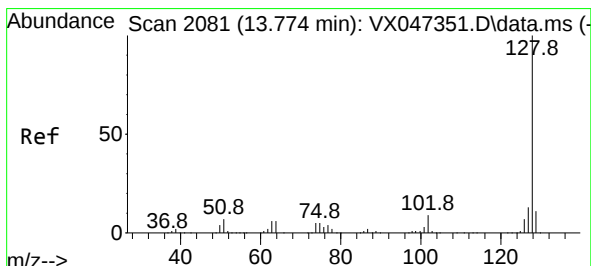
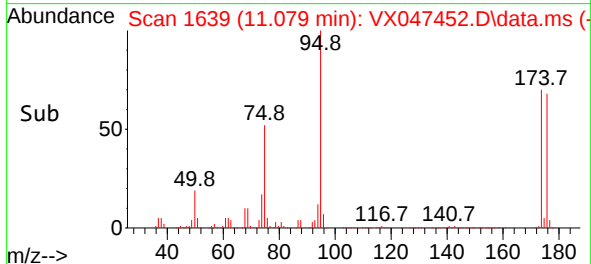
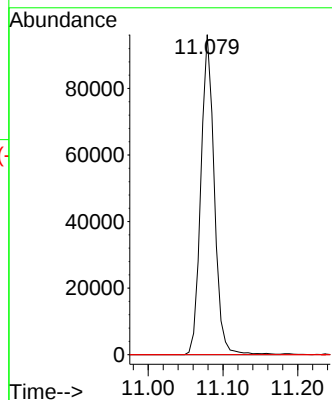
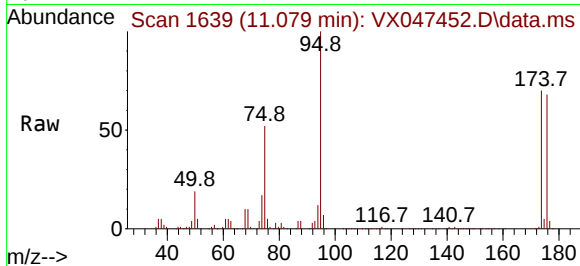




#81
trans-1,4-Dichloro-2-butene
Concen: 106.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion: 75 Resp: 119521
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 6.410 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion:128 Resp: 103253
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.2 8.7 13.1

