

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047436.D
 Acq On : 20 Aug 2025 12:54
 Operator : JC/MD
 Sample : Q2878-05 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 21 01:30:22 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)

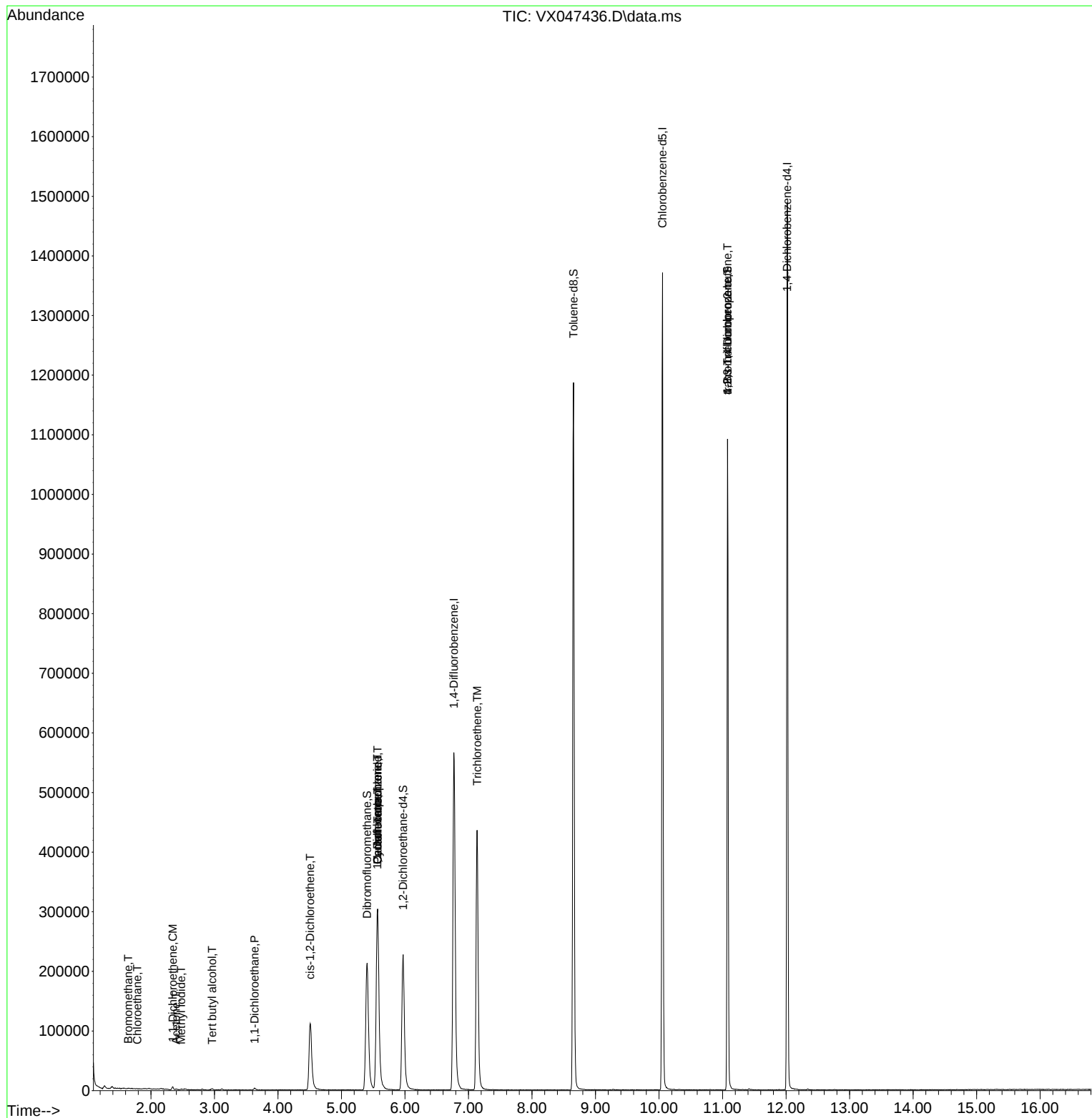
Internal Standards						
1) Pentafluorobenzene	5.568	168	305155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	611965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	593419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	294837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	234923	55.008	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.020%	
35) Dibromofluoromethane	5.403	113	202200	50.910	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.820%	
50) Toluene-d8	8.653	98	710130	50.023	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	11.079	95	287519	54.885	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.760%	
Target Compounds						Qvalue
5) Bromomethane	1.642	94	414	0.233	ug/l	81
6) Chloroethane	1.782	64	893	0.332	ug/l #	44
10) Methyl Iodide	2.477	142	2260	0.350	ug/l #	91
11) Tert butyl alcohol	2.965	59	545	1.467	ug/l #	72
12) 1,1-Dichloroethene	2.343	96	2036	0.530	ug/l #	69
16) Acetone	2.392	43	1806	1.125	ug/l #	32
24) 1,1-Dichloroethane	3.629	63	3766	0.505	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	80065	16.857	ug/l	89
31) Cyclohexane	5.568	56	6938	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	25212	4.021	ug/l #	50
38) Carbon Tetrachloride	5.568	117	33741	4.925	ug/l #	15
44) Trichloroethene	7.135	130	179149	37.283	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	149262	27.602	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	149262	108.973	ug/l #	7

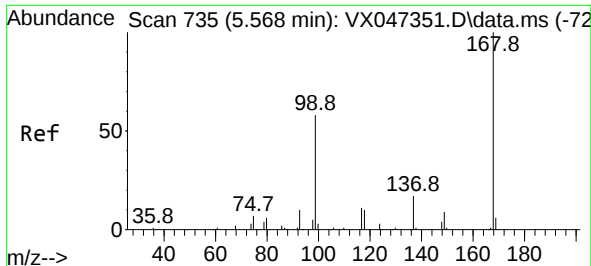
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-11A-37.5-081425

Quant Time: Aug 21 01:30:22 2025
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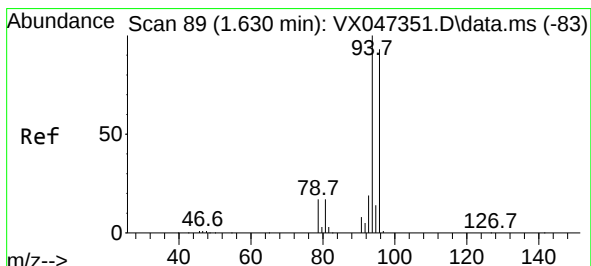
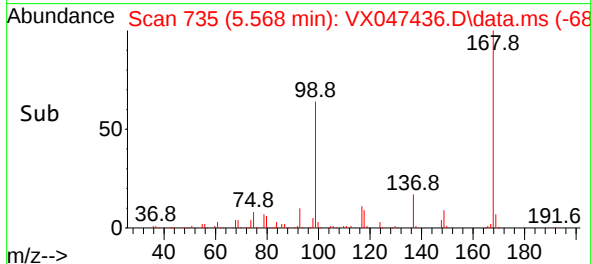
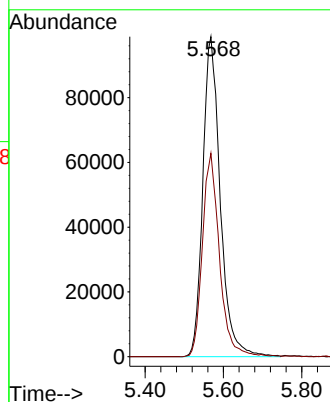
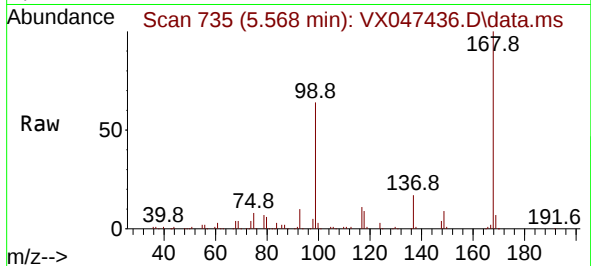




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

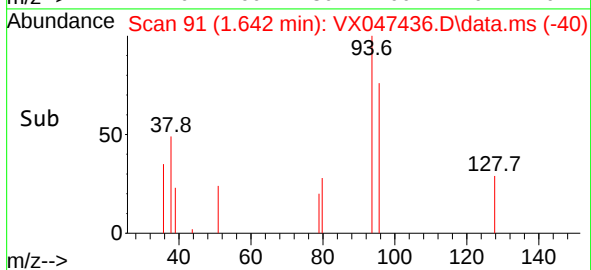
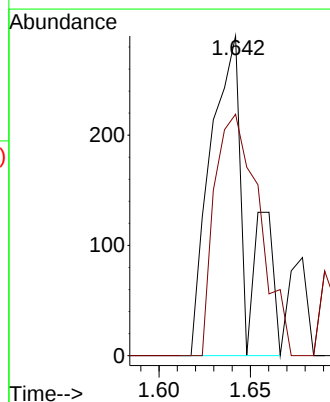
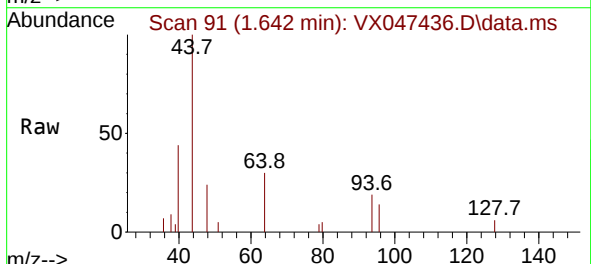
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

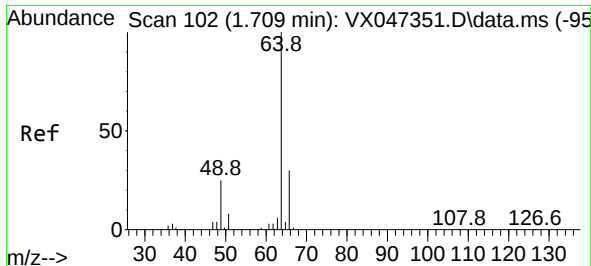
Tgt Ion:168 Resp: 305155
Ion Ratio Lower Upper
168 100
99 63.5 47.9 71.9



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 75.5 74.7 112.1

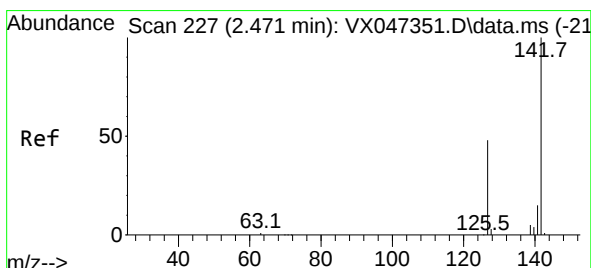
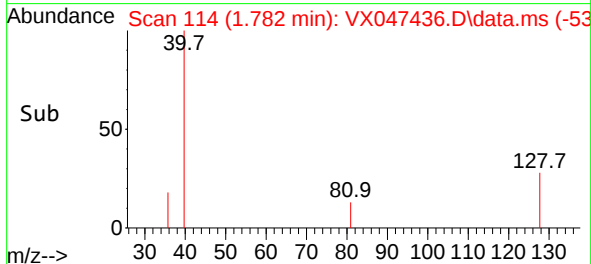
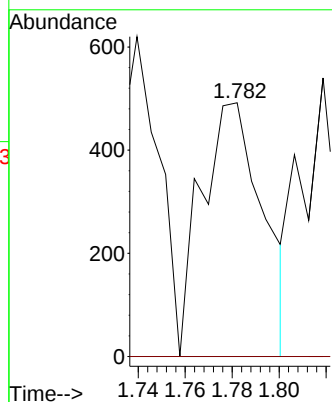
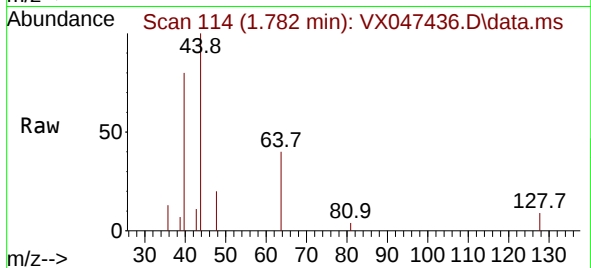




#6
Chloroethane
Concen: 0.332 ug/l
RT: 1.782 min Scan# 114
Delta R.T. 0.073 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

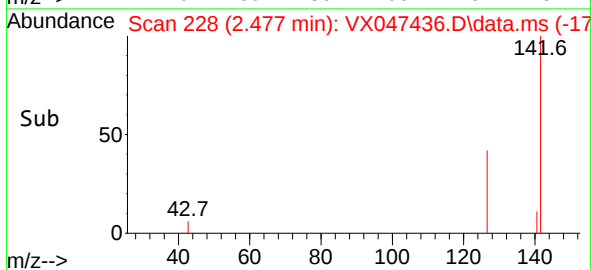
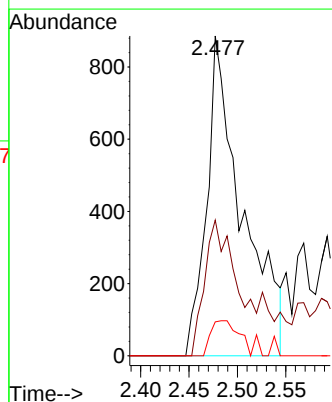
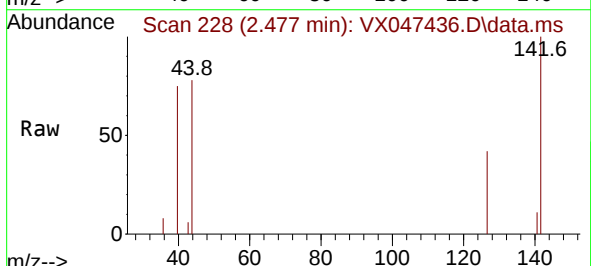
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

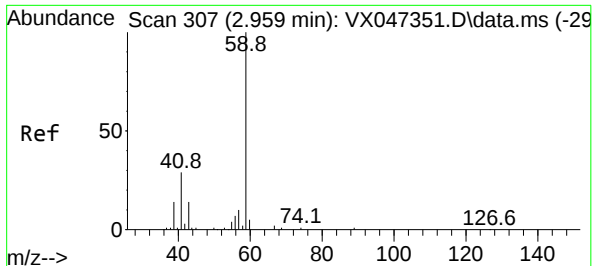
Tgt Ion: 64 Resp: 893
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.350 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion:142 Resp: 2260
Ion Ratio Lower Upper
142 100
127 39.2 36.1 54.1
141 9.6 11.1 16.7#

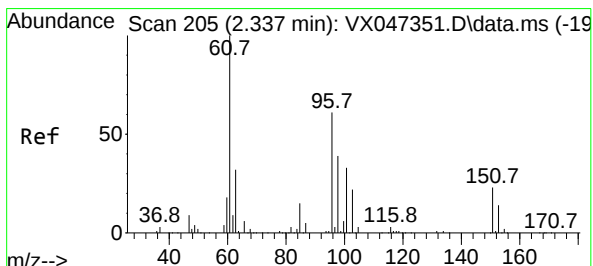
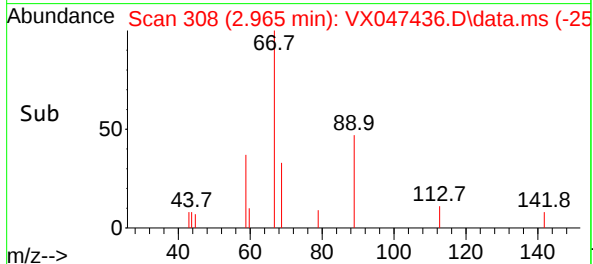
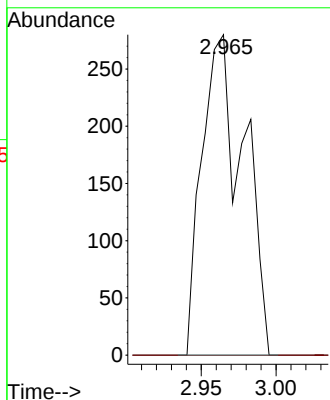
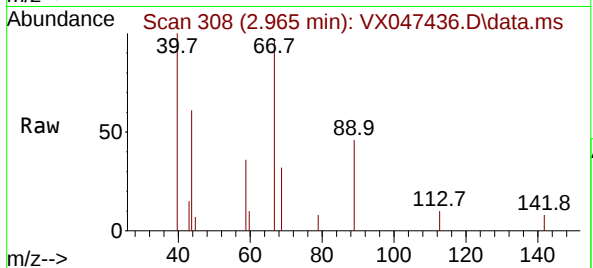




#11
Tert butyl alcohol
Concen: 1.467 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

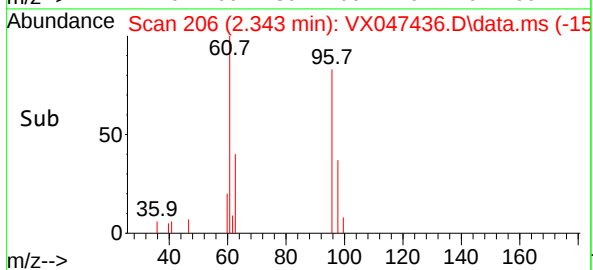
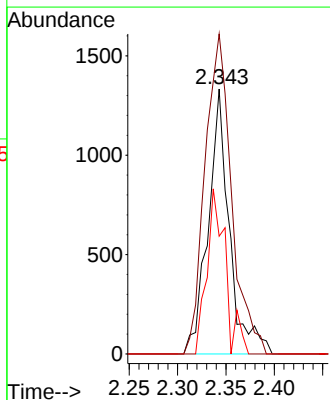
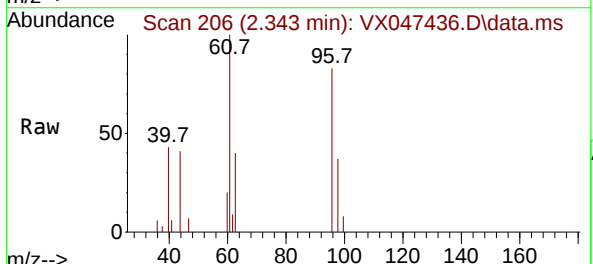
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

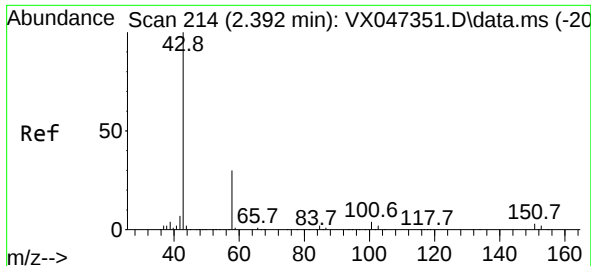
Tgt Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.530 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 96 Resp: 2036
Ion Ratio Lower Upper
96 100
61 120.8 132.2 198.2#
98 44.5 51.2 76.8#

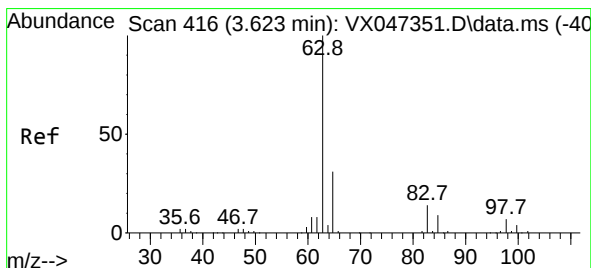
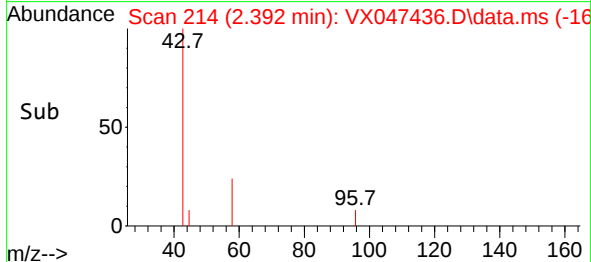
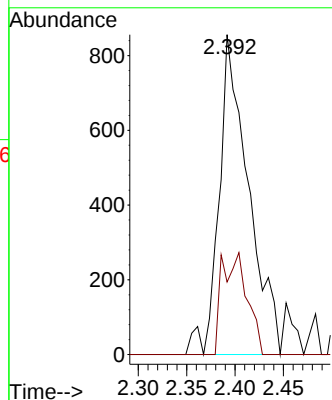
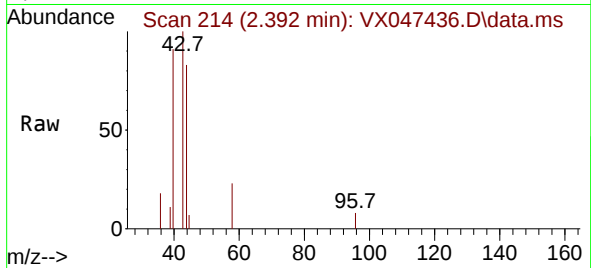




#16
Acetone
Concen: 1.125 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

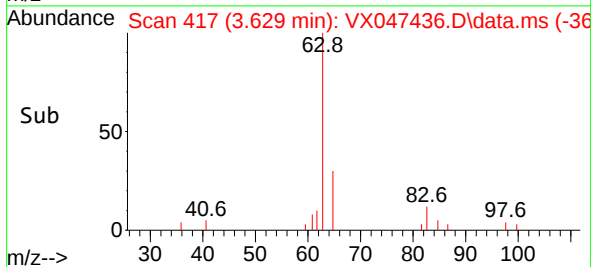
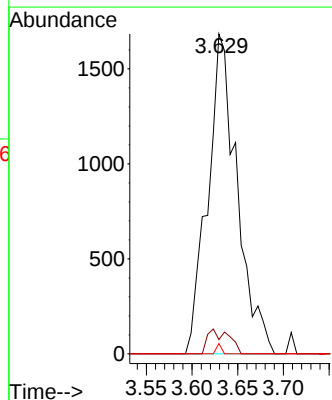
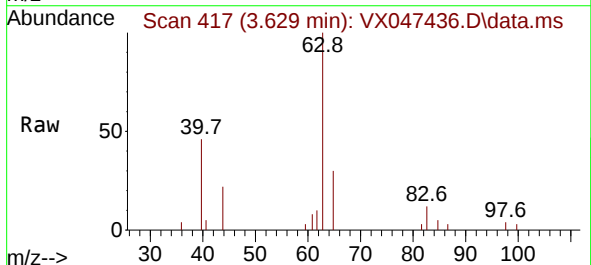
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

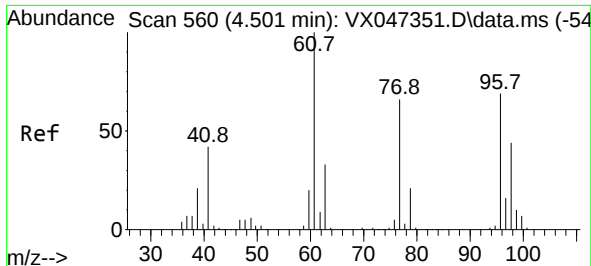
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 68.6 24.8 37.2#



#24
1,1-Dichloroethane
Concen: 0.505 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 63 Resp: 3766
Ion Ratio Lower Upper
63 100
98 4.5 3.3 9.9
100 3.2 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 16.857 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047436.D

Acq: 20 Aug 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

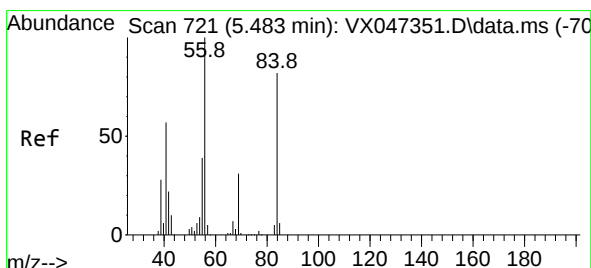
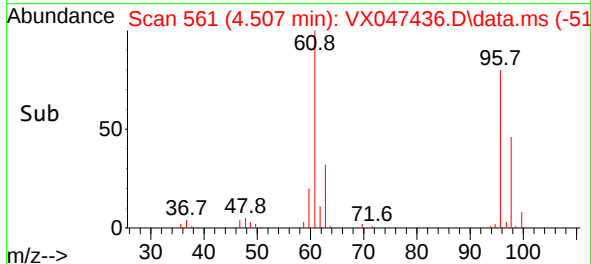
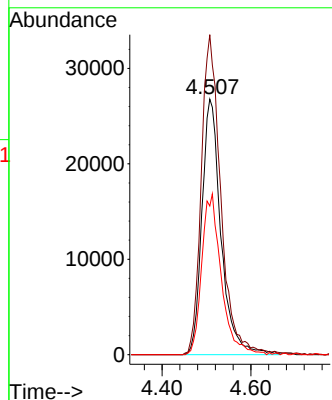
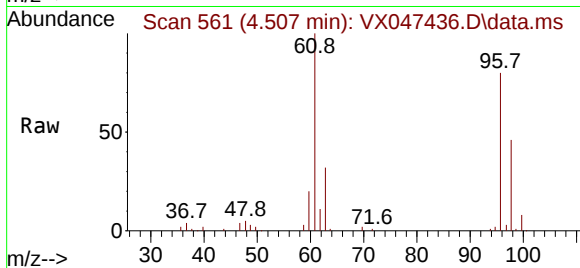
Tgt Ion: 96 Resp: 80065

Ion Ratio Lower Upper

96 100

61 129.1 0.0 296.6

98 64.2 0.0 130.4



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX047436.D

Acq: 20 Aug 2025 12:54

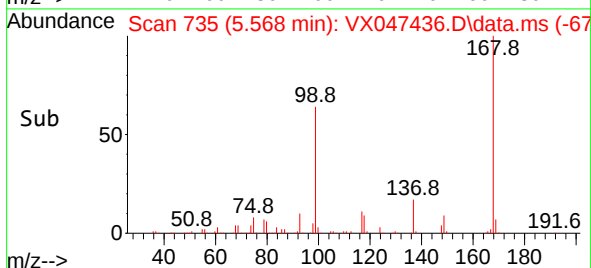
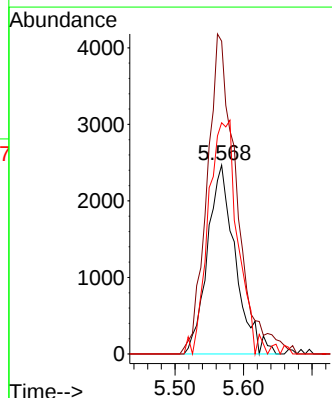
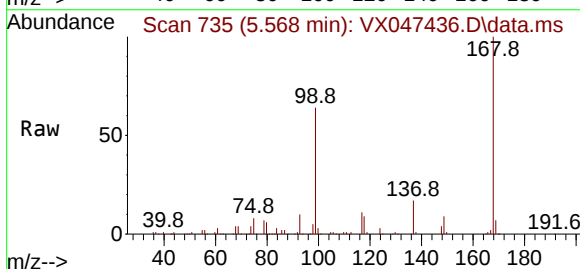
Tgt Ion: 56 Resp: 6938

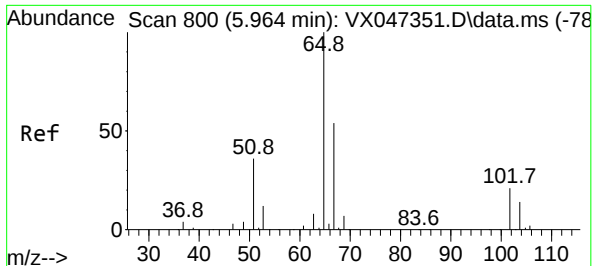
Ion Ratio Lower Upper

56 100

69 165.6 24.3 36.5#

84 122.4 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 55.008 ug/l

RT: 5.970 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047436.D

Acq: 20 Aug 2025 12:54

Instrument :

MSVOA_X

ClientSampleId :

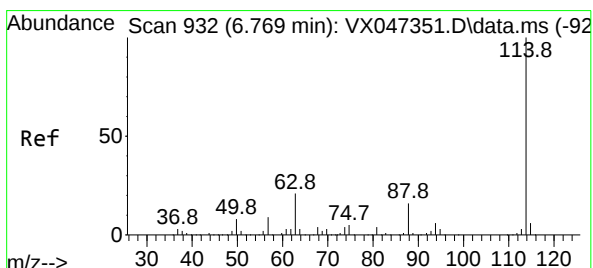
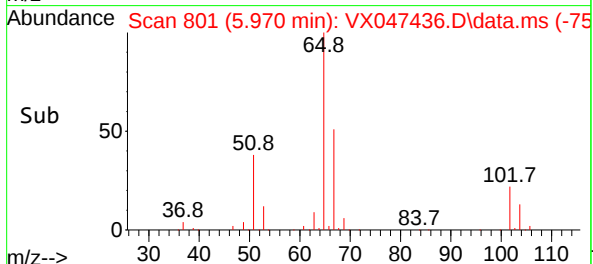
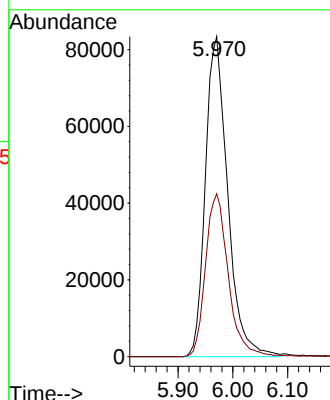
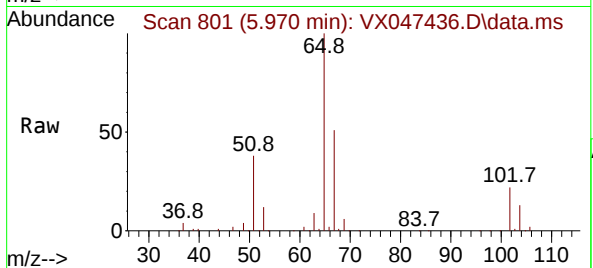
MW-11A-37.5-081425

Tgt Ion: 65 Resp: 234923

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047436.D

Acq: 20 Aug 2025 12:54

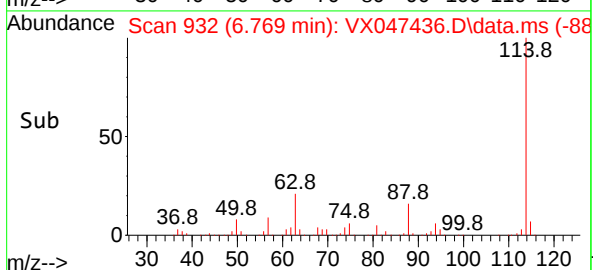
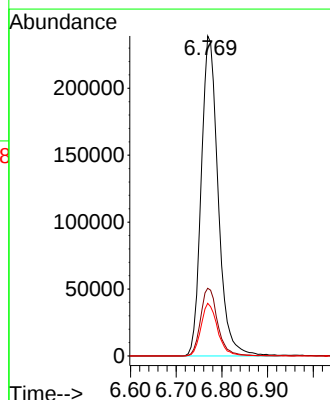
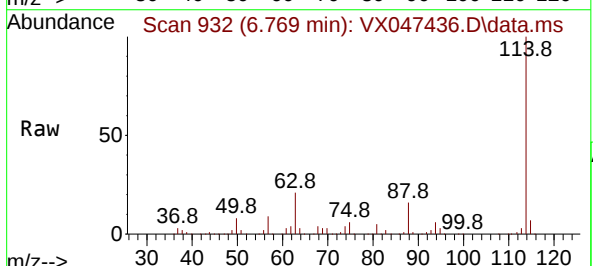
Tgt Ion: 114 Resp: 611965

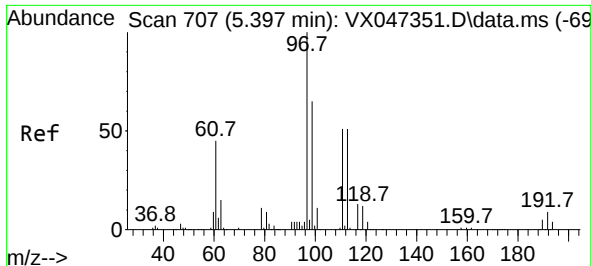
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.5 0.0 33.0

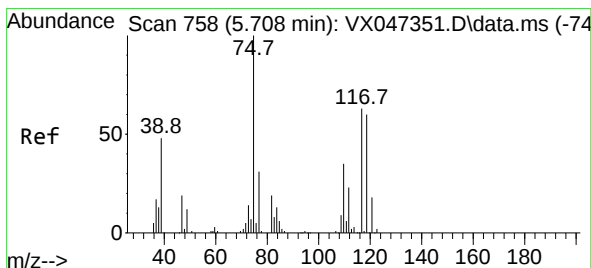
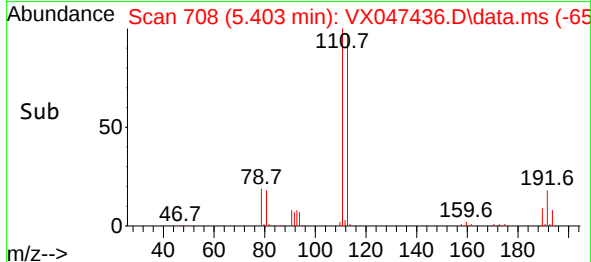
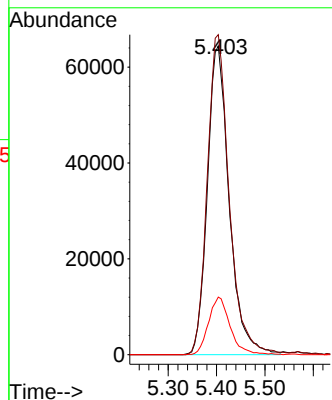
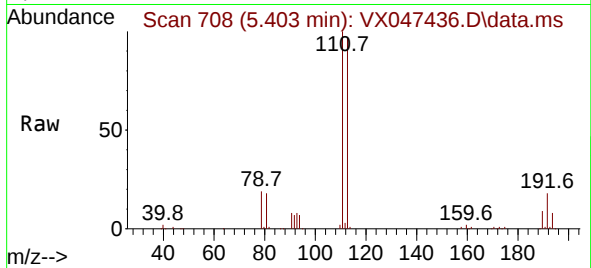




#35
Dibromofluoromethane
Concen: 50.910 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

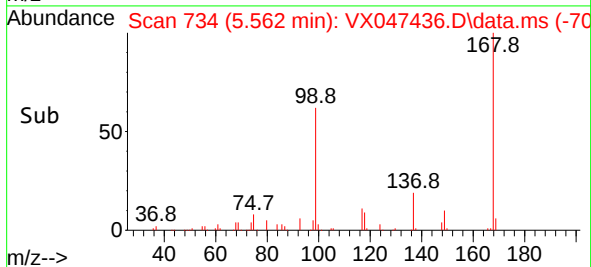
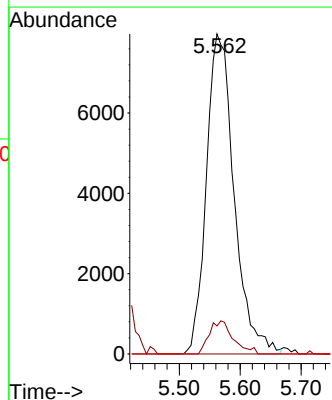
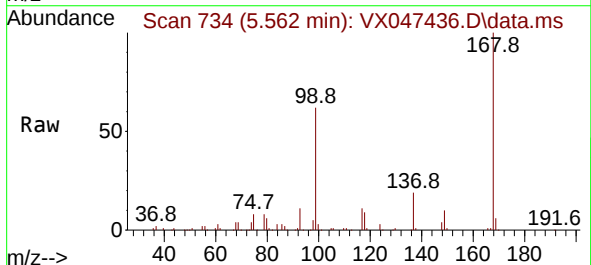
Instrument :
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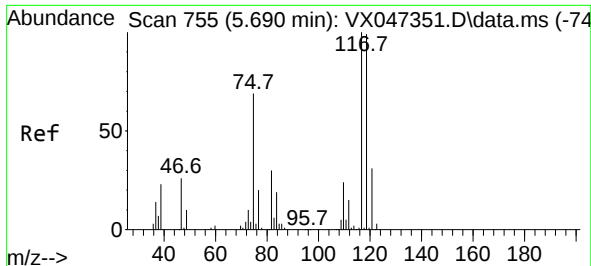
Tgt Ion:113 Resp: 202200
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.2
192 18.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.021 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 75 Resp: 25212
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.2#
77 0.0 24.4 36.6#

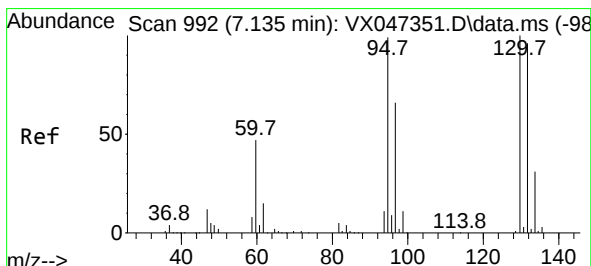
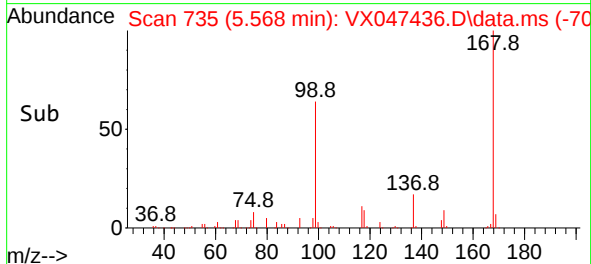
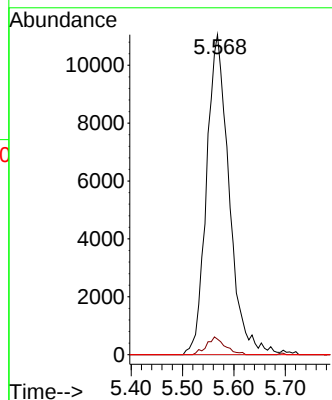
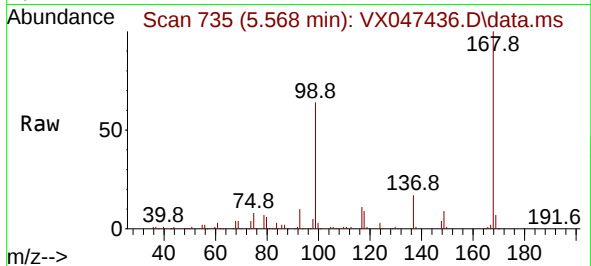




#38
Carbon Tetrachloride
Concen: 4.925 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

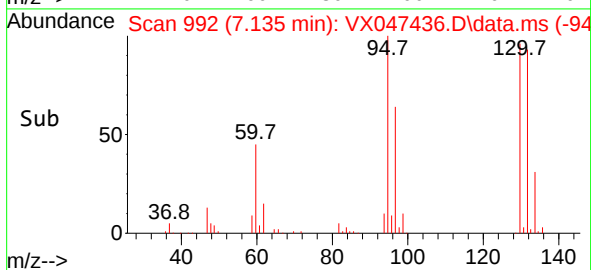
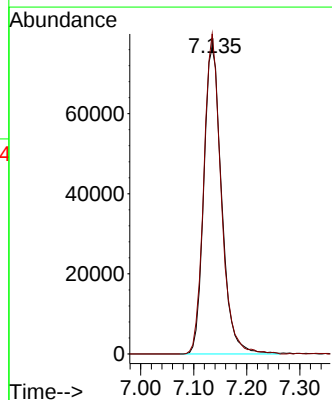
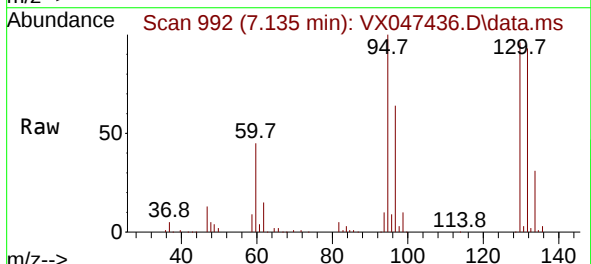
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

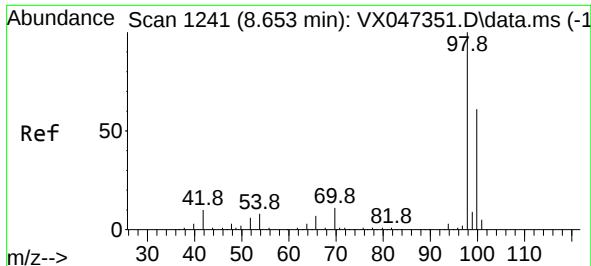
Tgt Ion:117 Resp: 33741
Ion Ratio Lower Upper
117 100
119 4.8 78.5 117.7#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 37.283 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion:130 Resp: 179149
Ion Ratio Lower Upper
130 100
95 104.5 0.0 198.6

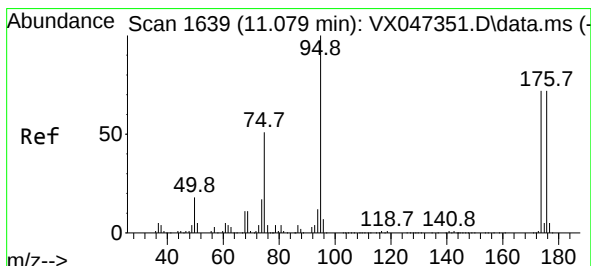
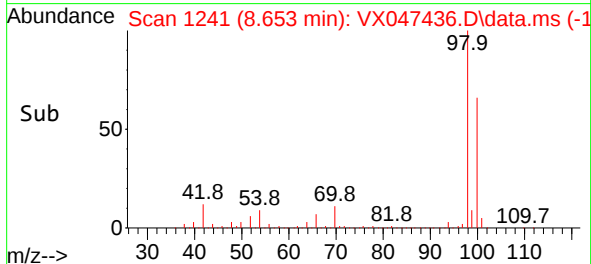
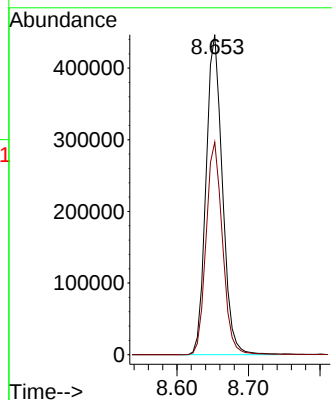
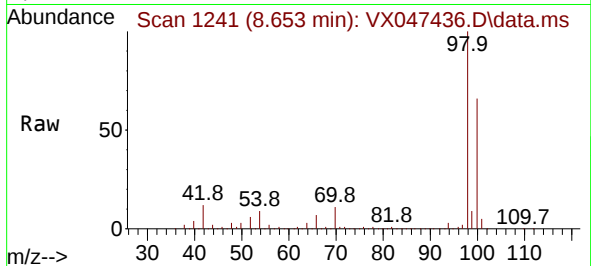




#50
Toluene-d8
Concen: 50.023 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

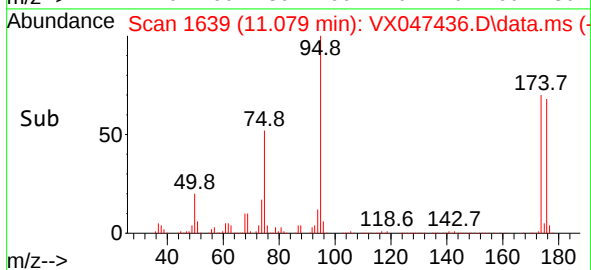
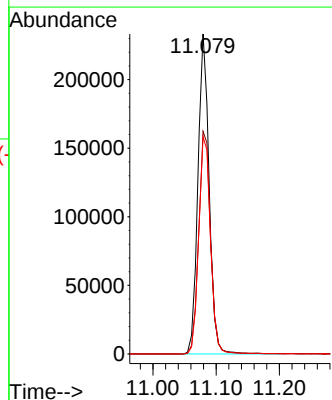
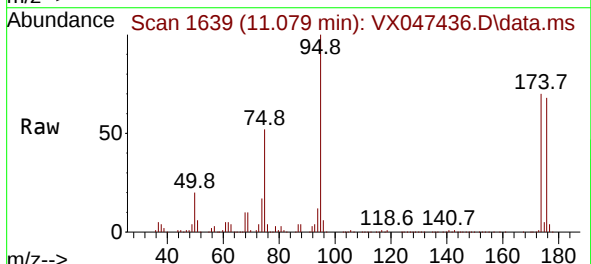
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

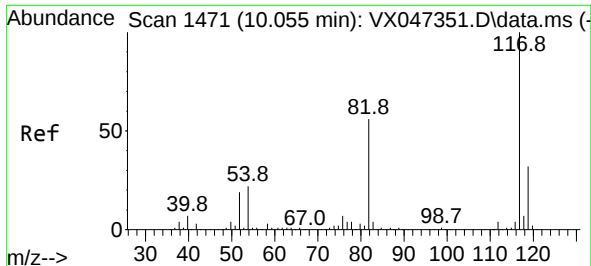
Tgt Ion: 98 Resp: 710130
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 54.885 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 95 Resp: 287519
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.0
176 71.8 0.0 145.4

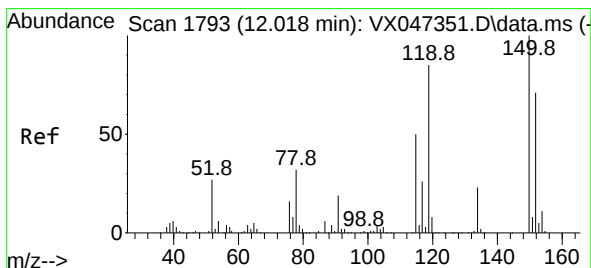
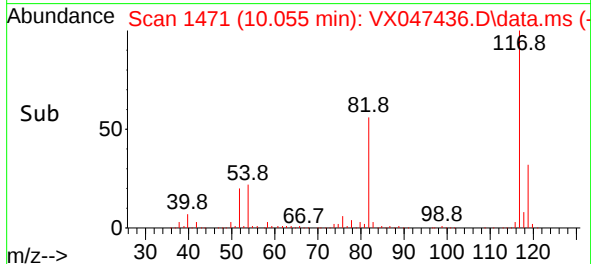
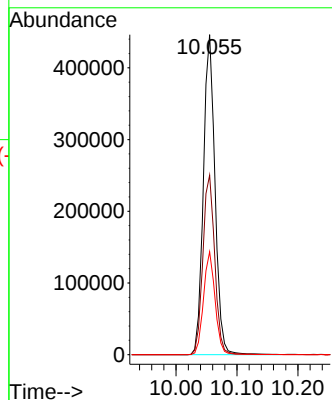
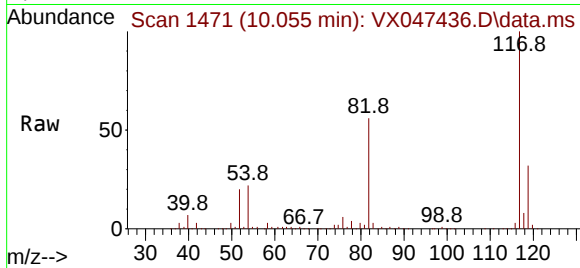




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

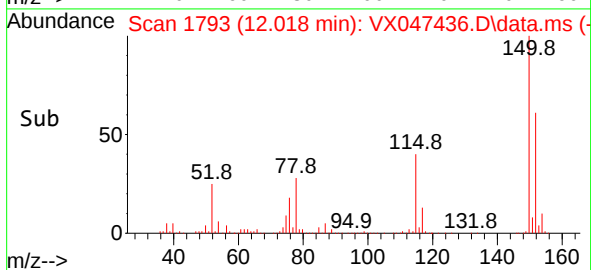
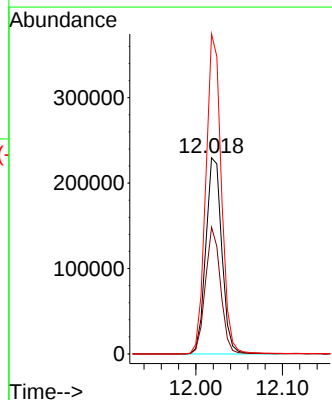
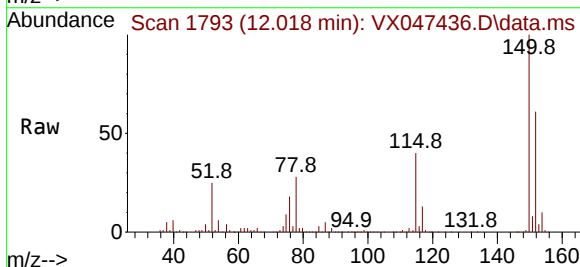
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

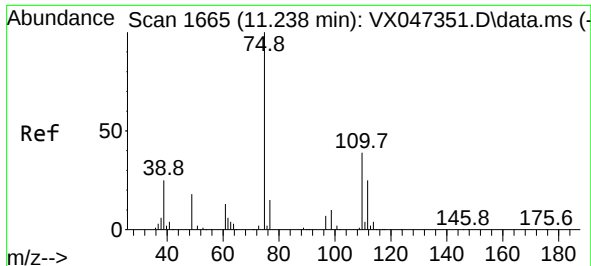
Tgt Ion:117 Resp: 593419
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion:152 Resp: 294837
Ion Ratio Lower Upper
152 100
115 61.5 44.6 133.8
150 158.6 0.0 349.8

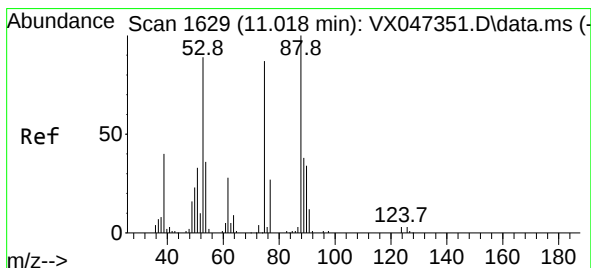
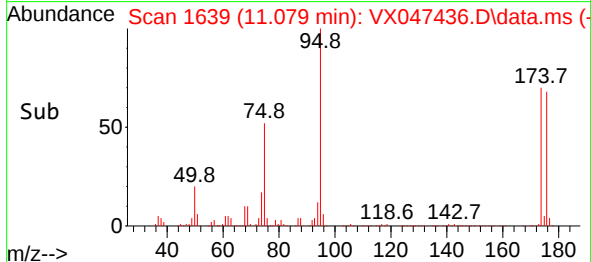
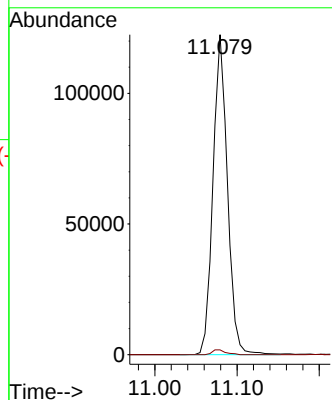
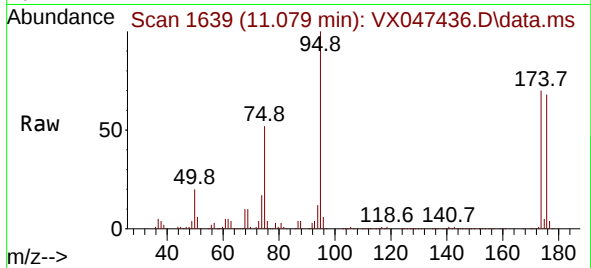




#76
1,2,3-Trichloropropane
Concen: 27.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

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

Tgt Ion: 75 Resp: 149262
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047436.D
Acq: 20 Aug 2025 12:54

Tgt Ion: 75 Resp: 149262
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

