

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047442.D
 Acq On : 20 Aug 2025 15:04
 Operator : JC/MD
 Sample : Q2900-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-081825

Quant Time: Aug 21 01:32:43 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)

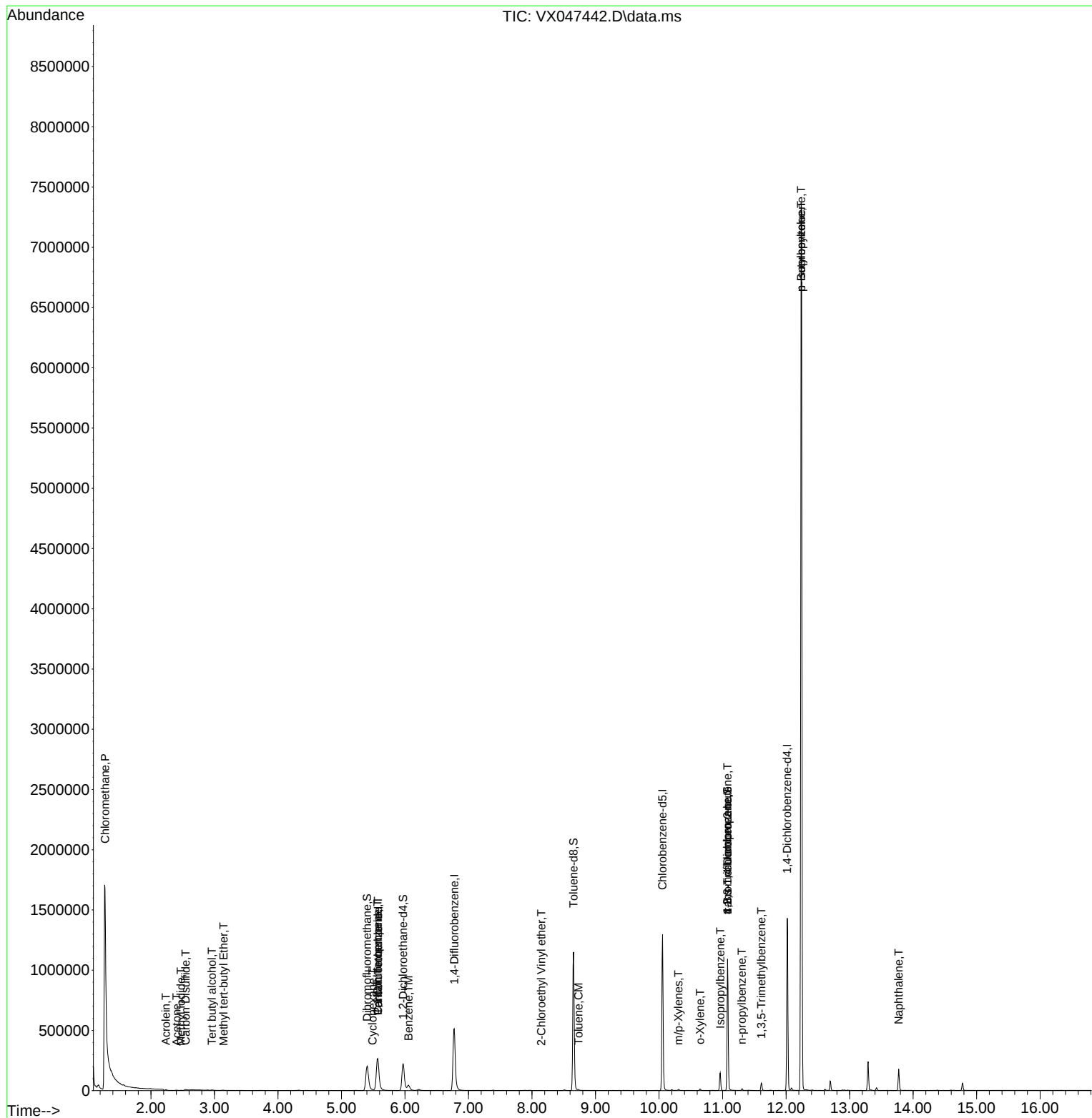
Internal Standards						
1) Pentafluorobenzene	5.574	168	269768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	559138	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	289774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	238136	63.074	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 126.140%#		
35) Dibromofluoromethane	5.404	113	194846	53.693	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.380%		
50) Toluene-d8	8.653	98	687671	53.018	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.040%		
62) 4-Bromofluorobenzene	11.079	95	284499	59.439	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 118.880%		
Target Compounds						
						Qvalue
3) Chloromethane	1.276	50	61948	20.024	ug/l #	42
10) Methyl Iodide	2.471	142	1282	0.225	ug/l #	88
11) Tert butyl alcohol	2.959	59	2363	7.194	ug/l #	72
13) Acrolein	2.233	56	299	0.431	ug/l #	1
16) Acetone	2.404	43	3958	2.789	ug/l #	44
17) Carbon Disulfide	2.544	76	16805	1.640	ug/l	96
19) Methyl tert-butyl Ether	3.142	73	2187	0.212	ug/l #	70
31) Cyclohexane	5.489	56	2567	0.422	ug/l #	76
36) 1,1-Dichloropropene	5.568	75	22681	3.959	ug/l #	51
38) Carbon Tetrachloride	5.574	117	28524	4.557	ug/l #	14
40) Benzene	6.056	78	52895	3.085	ug/l	94
52) Toluene	8.732	92	2302	0.217	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.147	63	19	8.362	ug/l #	46
68) m/p-Xylenes	10.305	106	2342	0.274	ug/l	88
69) o-Xylene	10.646	106	2990	0.363	ug/l	95
73) Isopropylbenzene	10.964	105	75289	3.320	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	149050	28.044	ug/l #	39
78) n-propylbenzene	11.305	91	9242	0.341	ug/l	97
80) 1,3,5-Trimethylbenzene	11.610	105	31288	1.677	ug/l	74
81) trans-1,4-Dichloro-2-b...	11.079	75	149050	110.594	ug/l #	7
86) p-Isopropyltoluene	12.238	119	161926	8.294	ug/l #	1
89) n-Butylbenzene	12.238	91	515364	28.381	ug/l #	42
95) Naphthalene	13.774	128	108126	5.621	ug/l	99

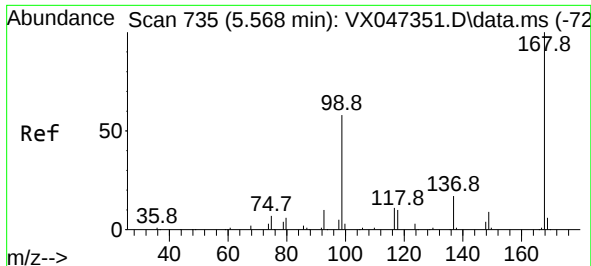
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047442.D
Acq On : 20 Aug 2025 15:04
Operator : JC/MD
Sample : Q2900-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

Quant Time: Aug 21 01:32:43 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

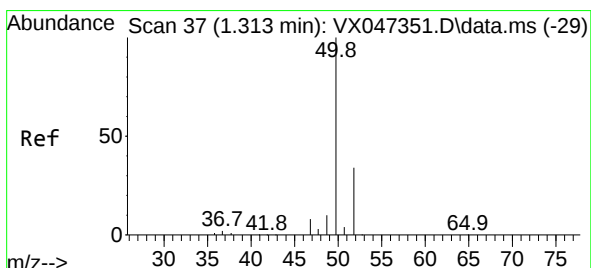
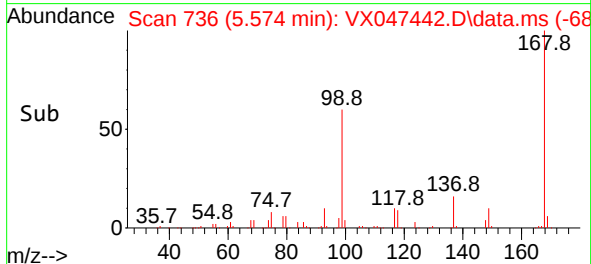
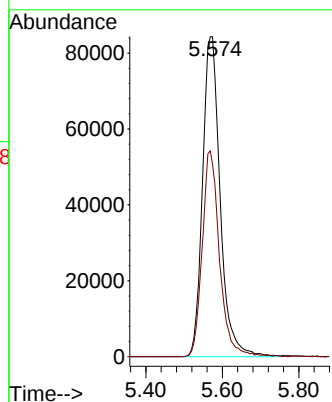
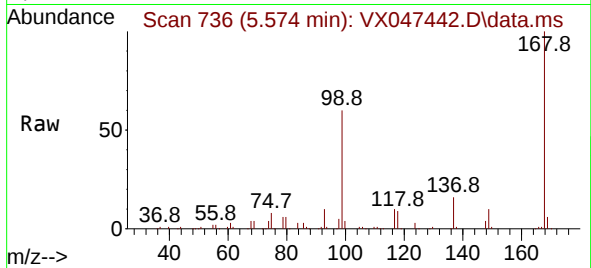




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

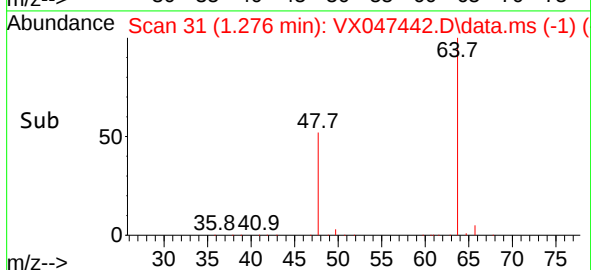
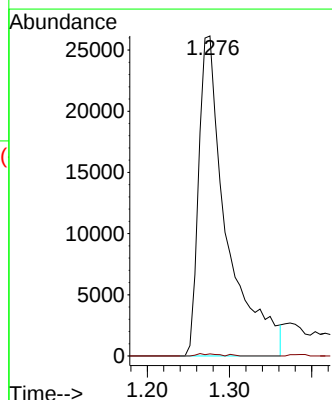
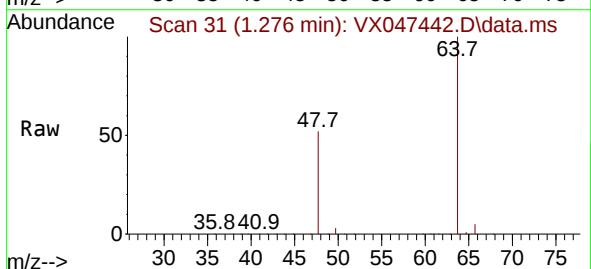
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

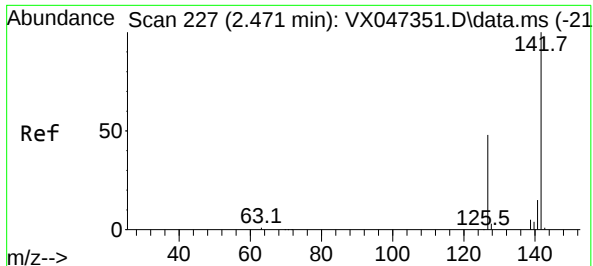
Tgt Ion:168 Resp: 269768
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#3
Chloromethane
Concen: 20.024 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 50 Resp: 61948
Ion Ratio Lower Upper
50 100
52 0.6 27.0 40.4#

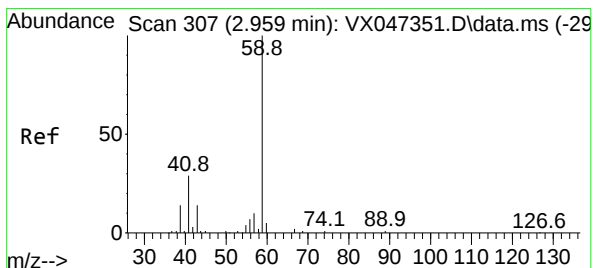
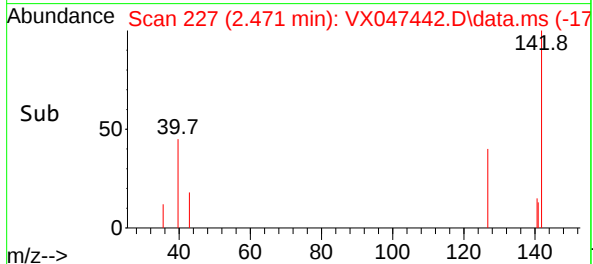
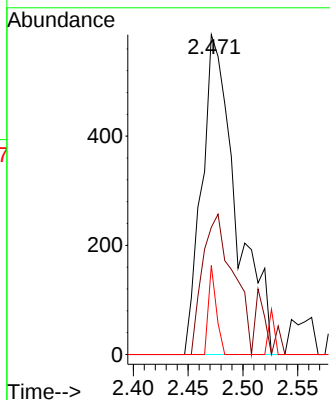
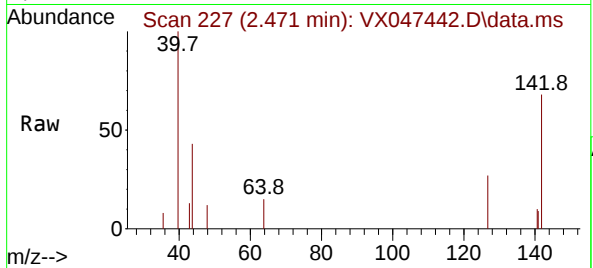




#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

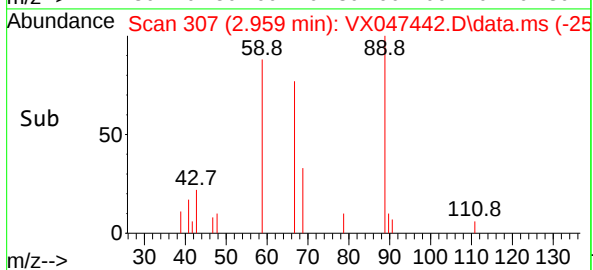
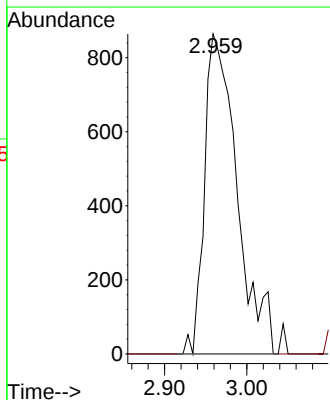
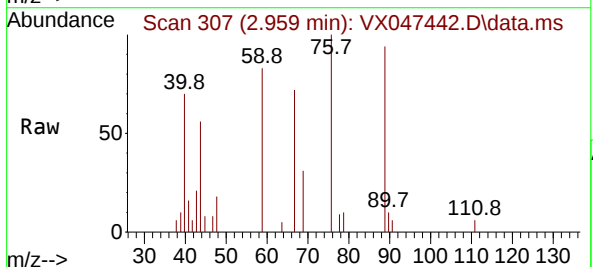
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

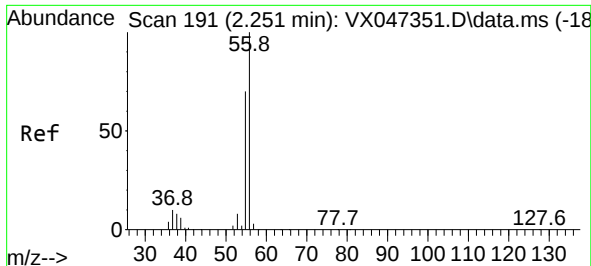
Tgt Ion:142 Resp: 1282
Ion Ratio Lower Upper
142 100
127 39.0 36.1 54.1
141 6.2 11.1 16.7#



#11
Tert butyl alcohol
Concen: 7.194 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 59 Resp: 2363
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

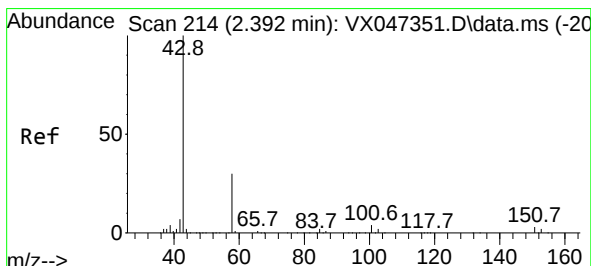
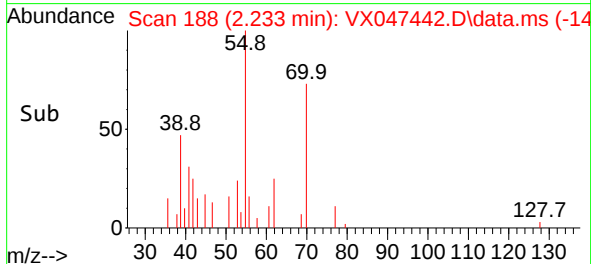
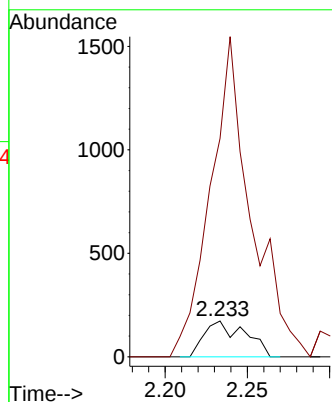
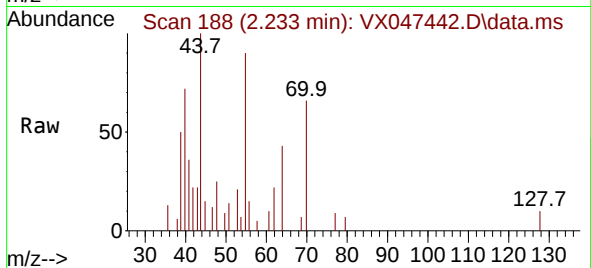




#13
Acrolein
Concen: 0.431 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

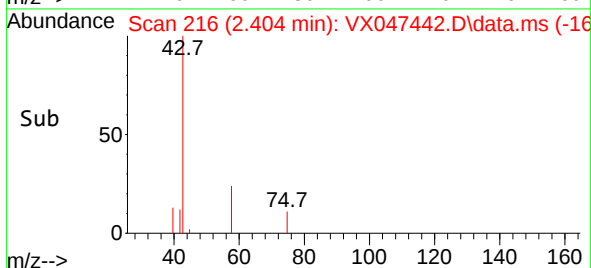
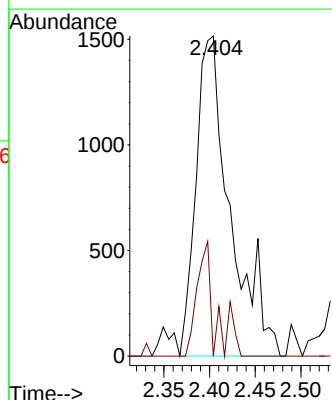
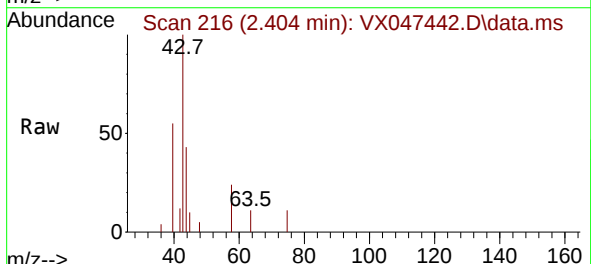
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

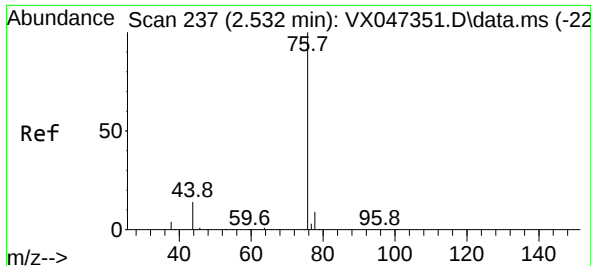
Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 888.6 55.5 83.3#



#16
Acetone
Concen: 2.789 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 43 Resp: 3958
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

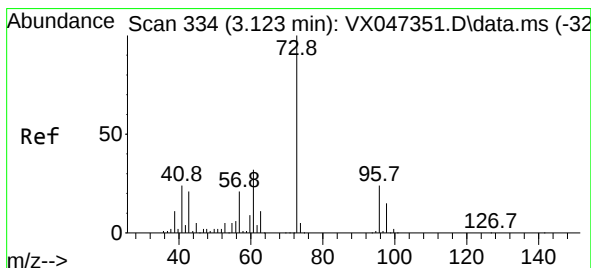
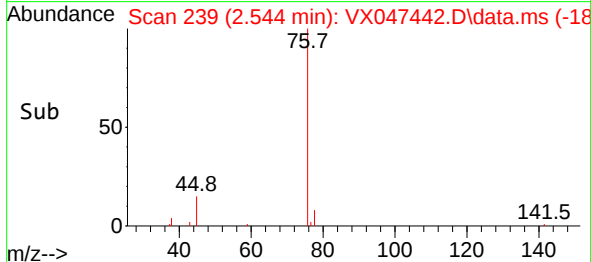
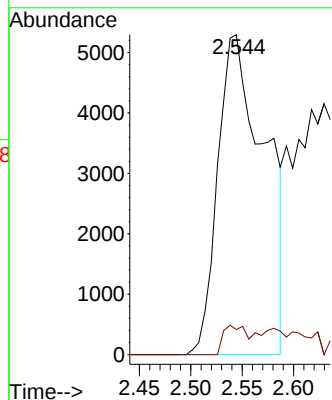
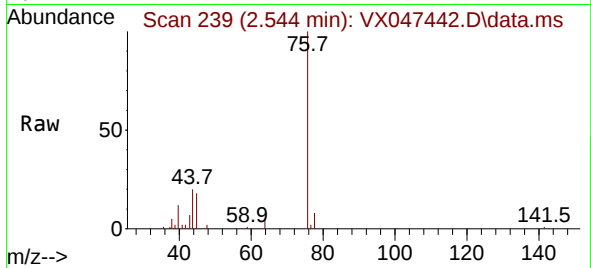




#17
Carbon Disulfide
Concen: 1.640 ug/l
RT: 2.544 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

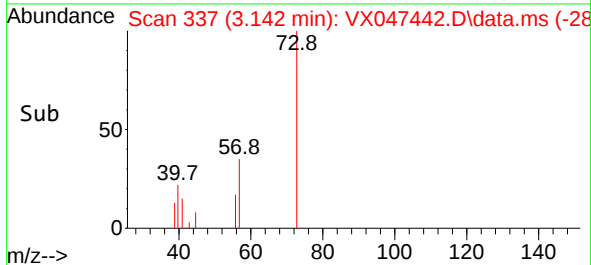
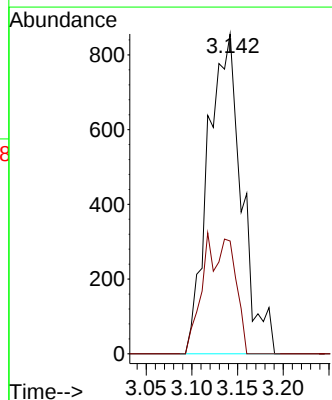
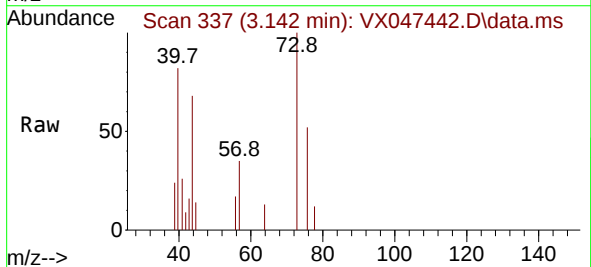
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

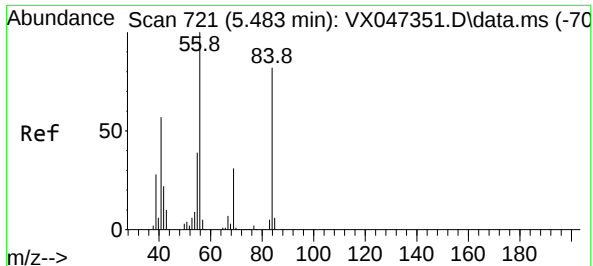
Tgt Ion: 76 Resp: 16805
Ion Ratio Lower Upper
76 100
78 7.7 7.2 10.8



#19
Methyl tert-butyl Ether
Concen: 0.212 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.018 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 73 Resp: 2187
Ion Ratio Lower Upper
73 100
57 35.3 17.0 25.6#

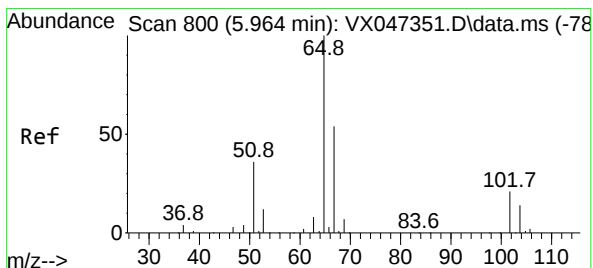
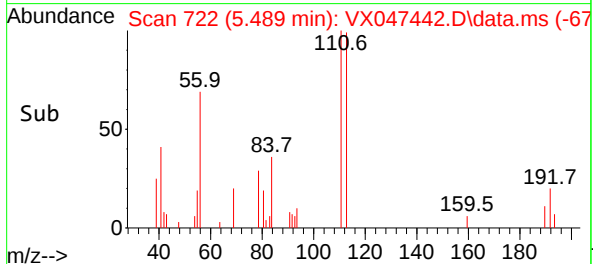
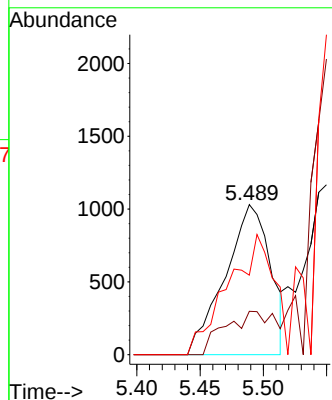
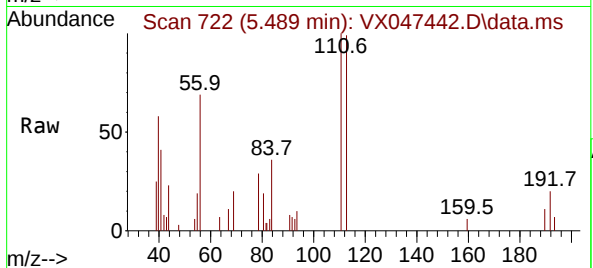




#31
Cyclohexane
Concen: 0.422 ug/l
RT: 5.489 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

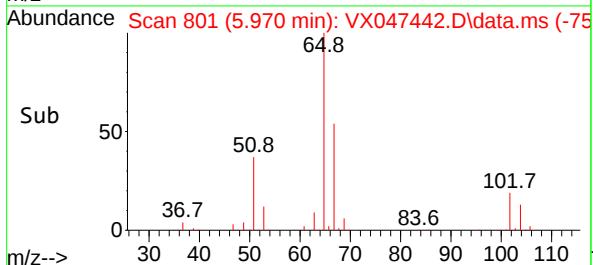
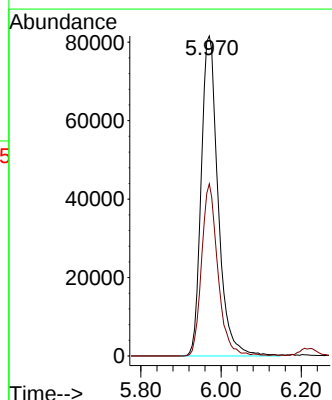
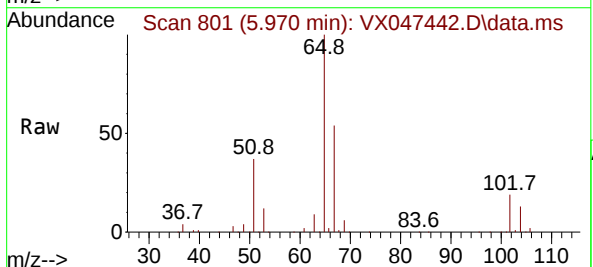
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

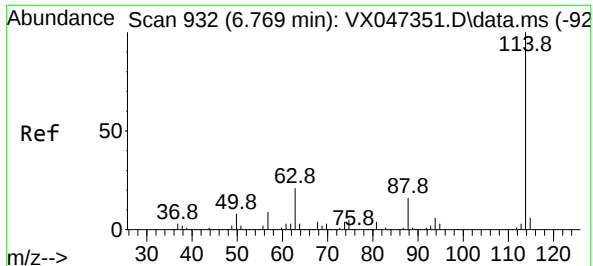
Tgt Ion: 56 Resp: 2567
Ion Ratio Lower Upper
56 100
69 28.9 24.3 36.5
84 53.0 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 63.074 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 65 Resp: 238136
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0

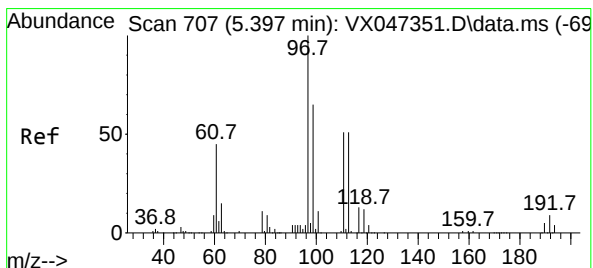
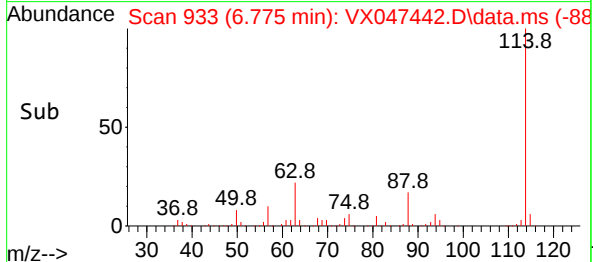
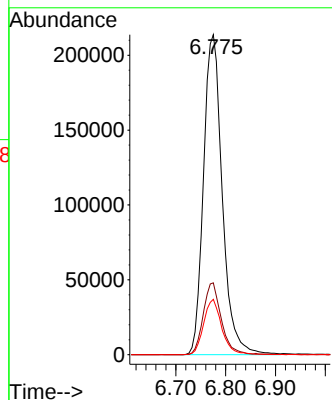
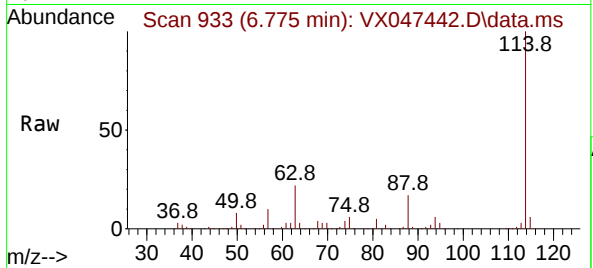




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

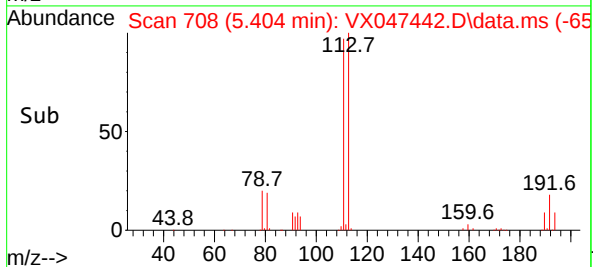
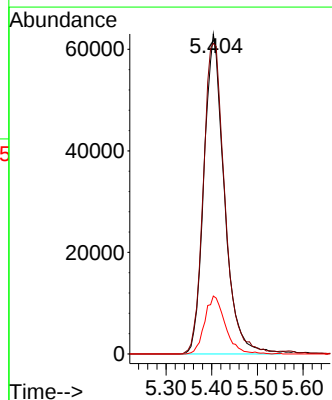
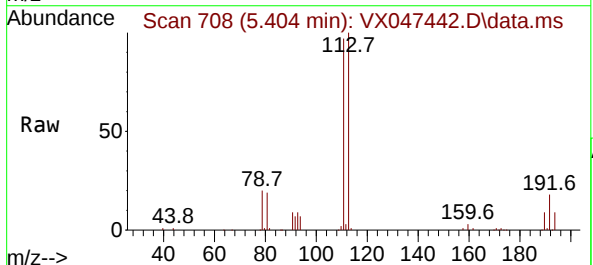
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

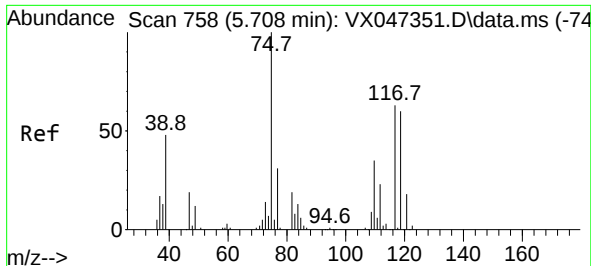
Tgt Ion:114 Resp: 559138
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.4
88 17.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 53.693 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:113 Resp: 194846
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.2
192 18.3 14.1 21.1

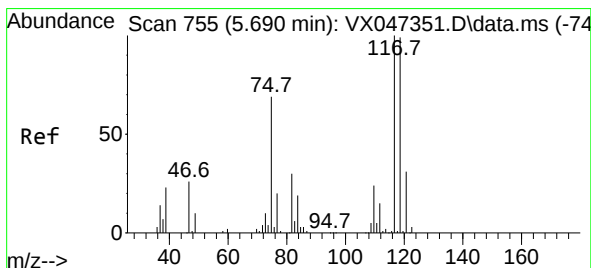
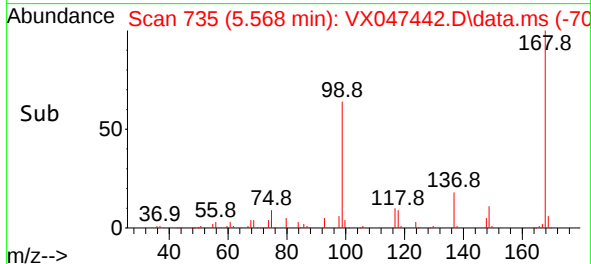
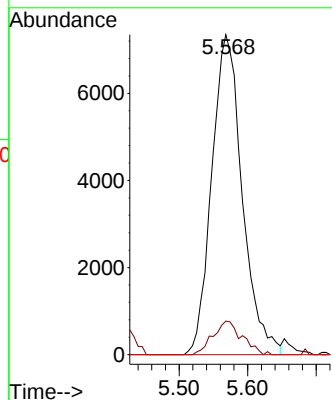
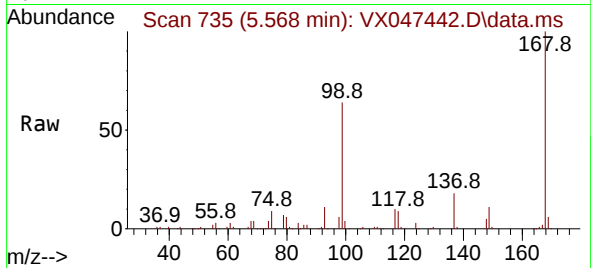




#36
1,1-Dichloropropene
Concen: 3.959 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

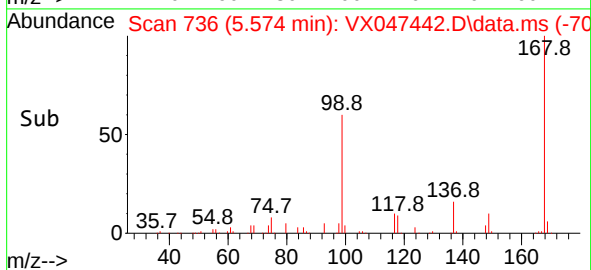
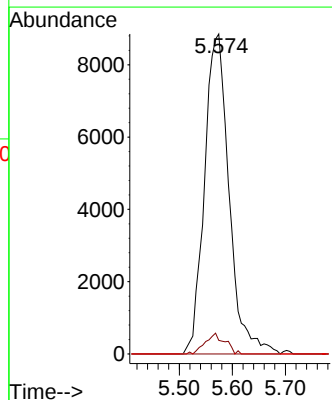
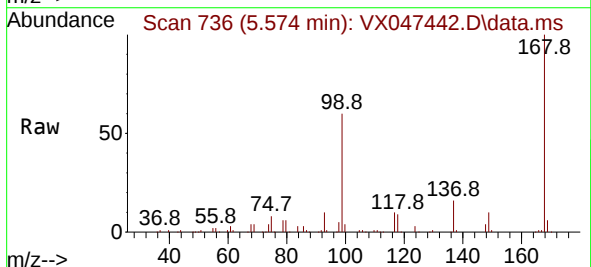
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

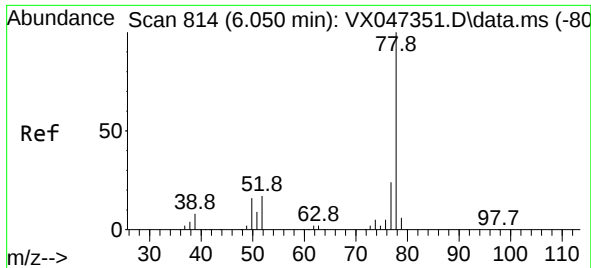
Tgt Ion: 75 Resp: 22681
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.557 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.116 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 117 Resp: 28524
Ion Ratio Lower Upper
117 100
119 4.2 78.5 117.7#
121 0.0 24.7 37.1#

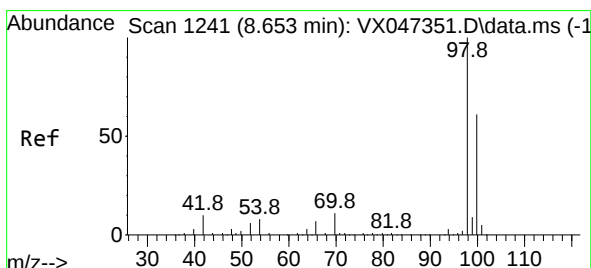
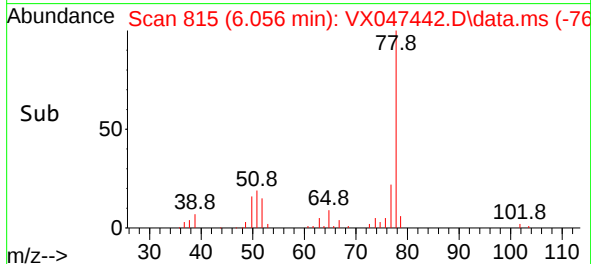
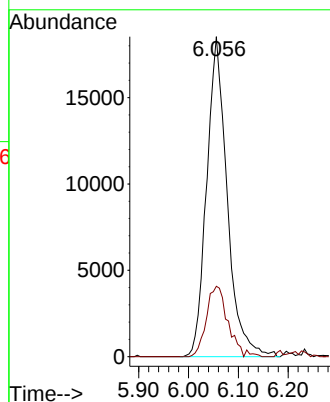
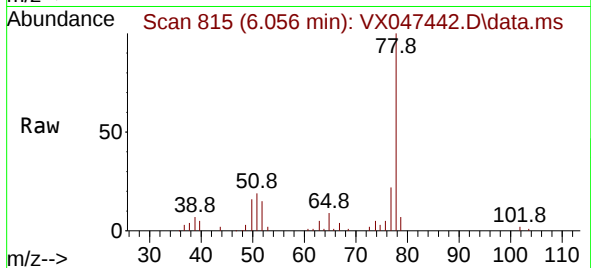




#40
Benzene
Concen: 3.085 ug/l
RT: 6.056 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

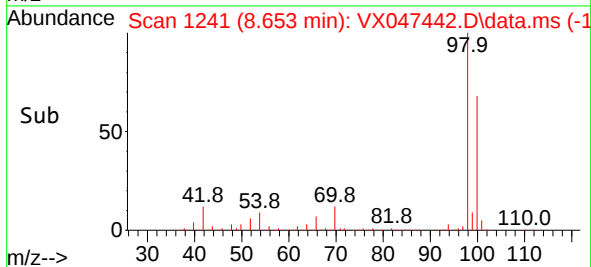
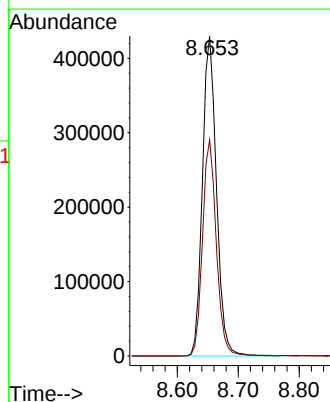
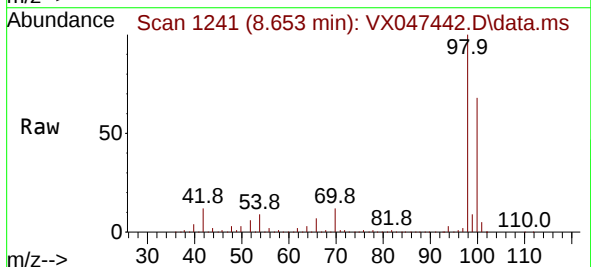
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

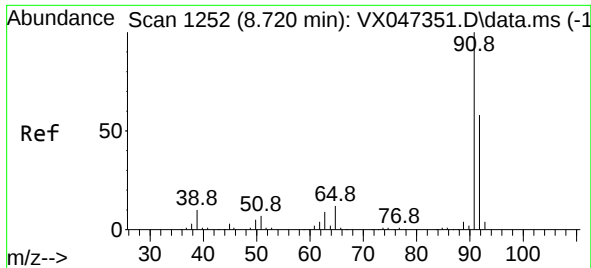
Tgt Ion: 78 Resp: 52895
Ion Ratio Lower Upper
78 100
77 20.7 19.0 28.4



#50
Toluene-d8
Concen: 53.018 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 98 Resp: 687671
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9

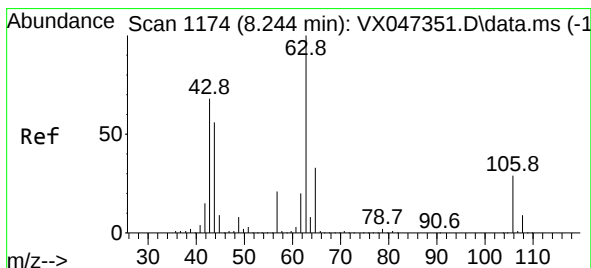
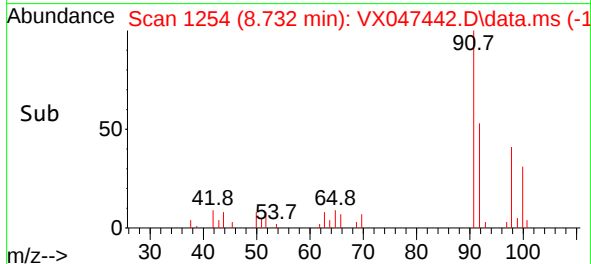
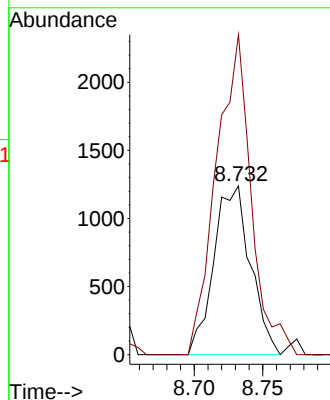
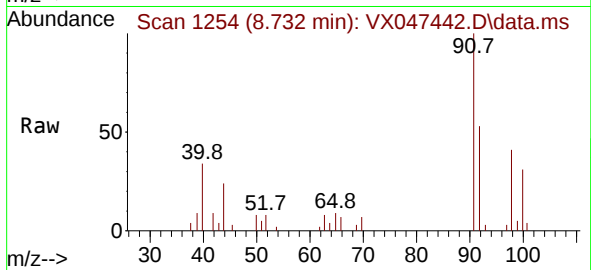




#52
Toluene
Concen: 0.217 ug/l
RT: 8.732 min Scan# 1158
Delta R.T. 0.012 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

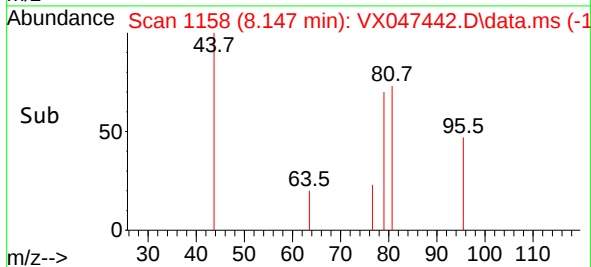
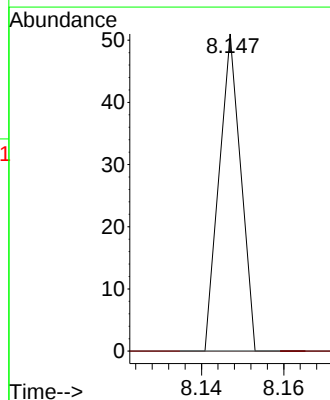
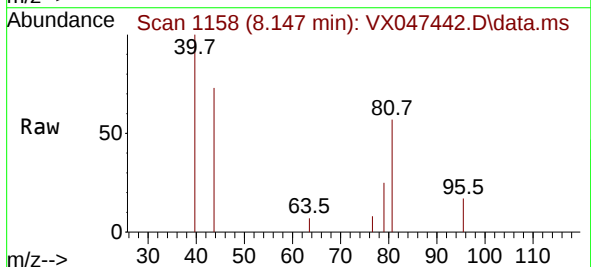
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

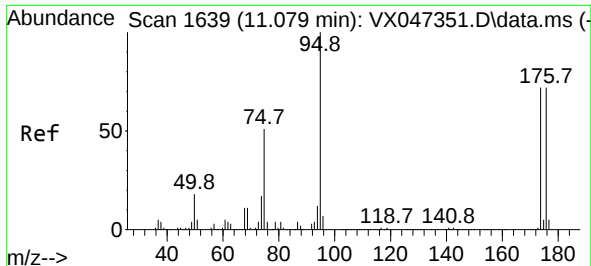
Tgt Ion: 92 Resp: 2302
Ion Ratio Lower Upper
92 100
91 180.6 136.3 204.5



#58
2-Chloroethyl Vinyl ether
Concen: 8.362 ug/l
RT: 8.147 min Scan# 1158
Delta R.T. -0.097 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#





#62

4-Bromofluorobenzene

Concen: 59.439 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047442.D

Acq: 20 Aug 2025 15:04

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-081825

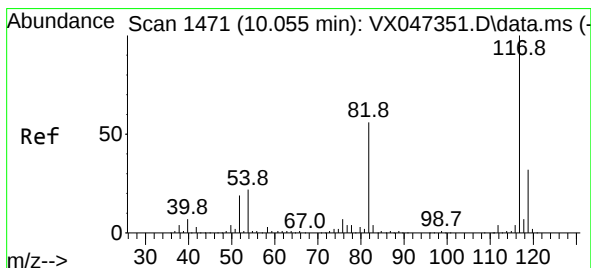
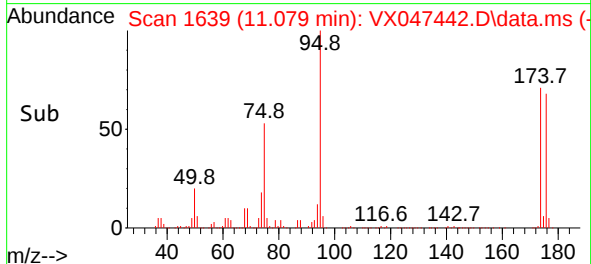
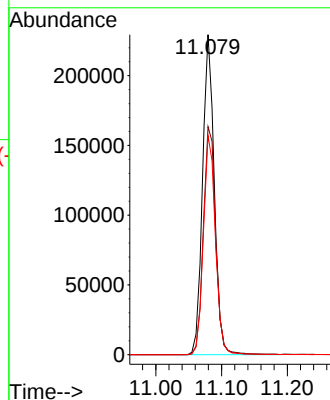
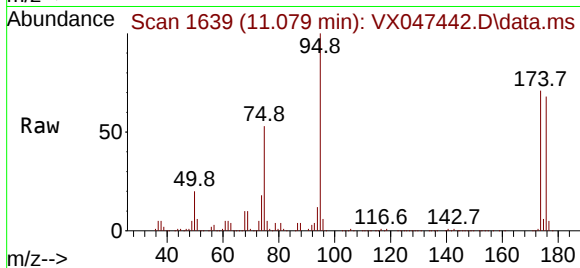
Tgt Ion: 95 Resp: 284499

Ion Ratio Lower Upper

95 100

174 74.6 0.0 148.0

176 70.5 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: VX047442.D

Acq: 20 Aug 2025 15:04

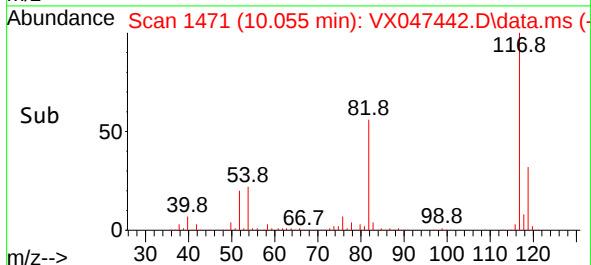
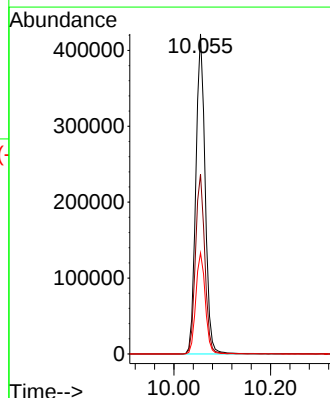
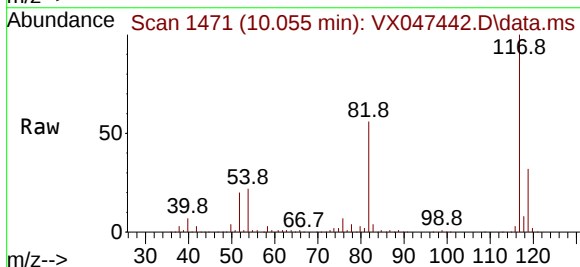
Tgt Ion: 117 Resp: 560769

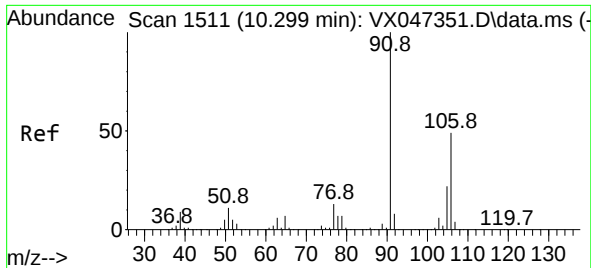
Ion Ratio Lower Upper

117 100

82 56.2 45.0 67.4

119 31.5 25.8 38.8

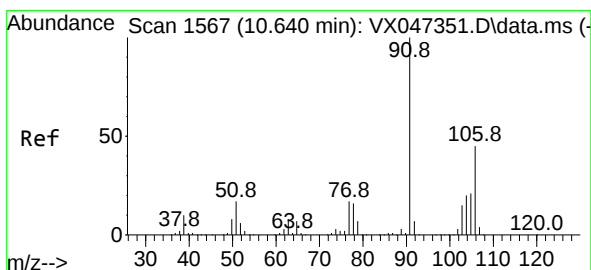
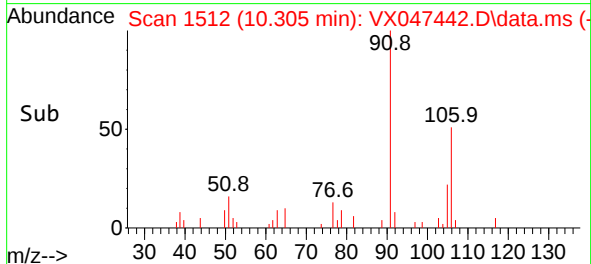
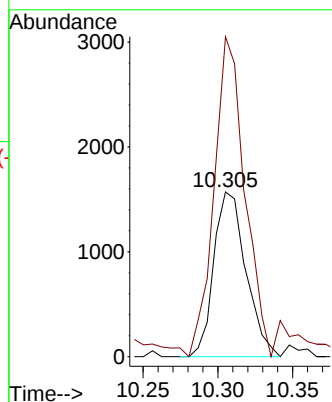
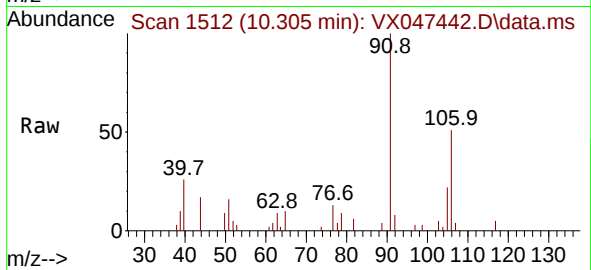




#68
m/p-Xylenes
Concen: 0.274 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

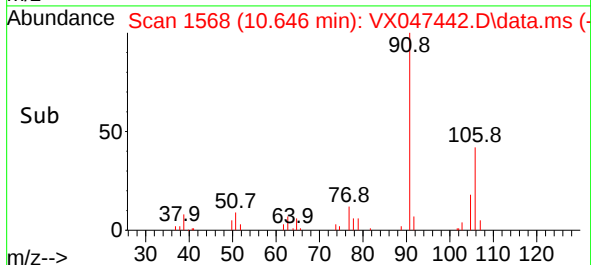
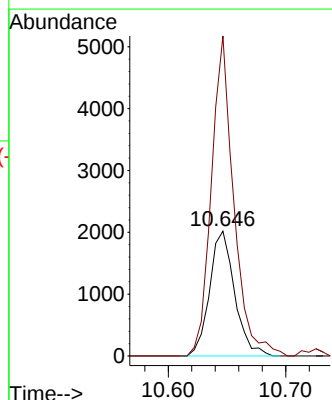
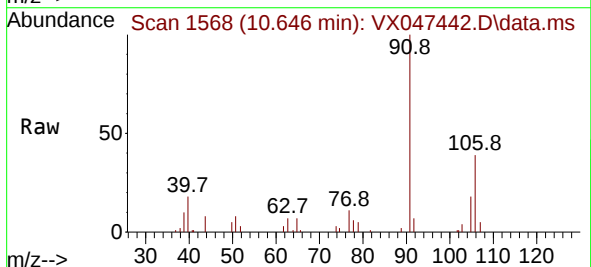
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

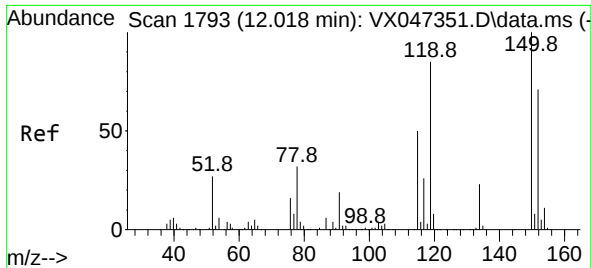
Tgt Ion:106 Resp: 2342
Ion Ratio Lower Upper
106 100
91 187.0 164.7 247.1



#69
o-Xylene
Concen: 0.363 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:106 Resp: 2990
Ion Ratio Lower Upper
106 100
91 229.4 110.6 331.8

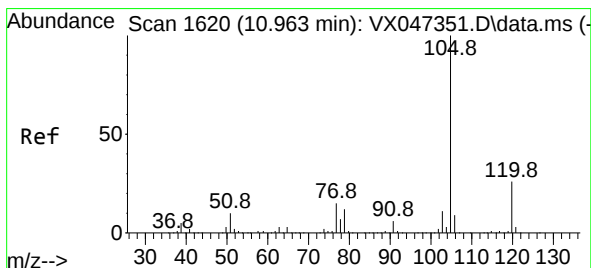
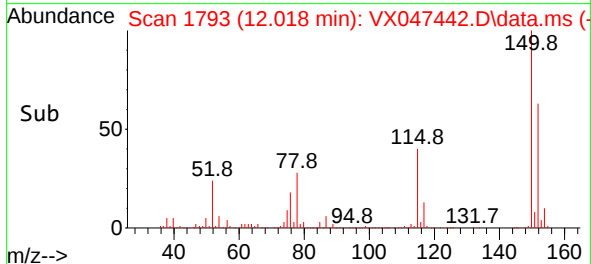
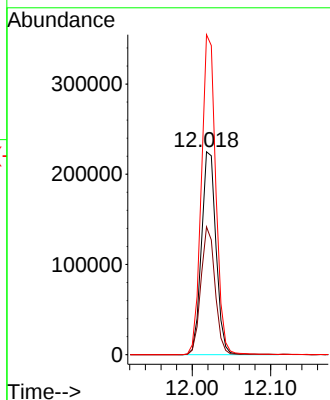
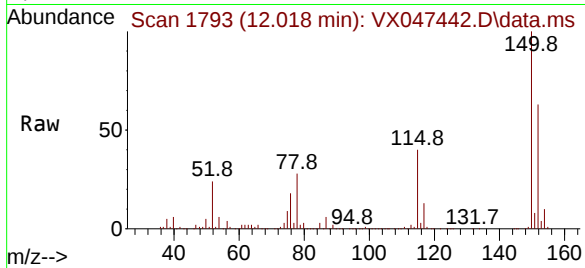




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

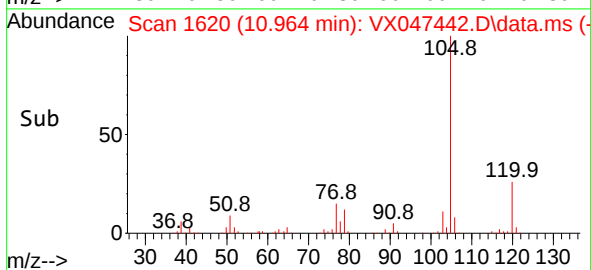
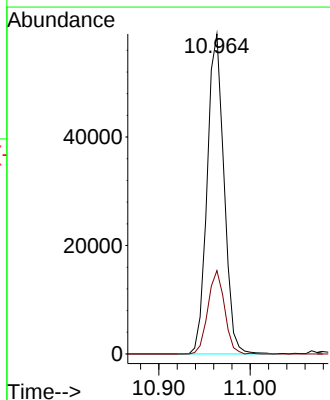
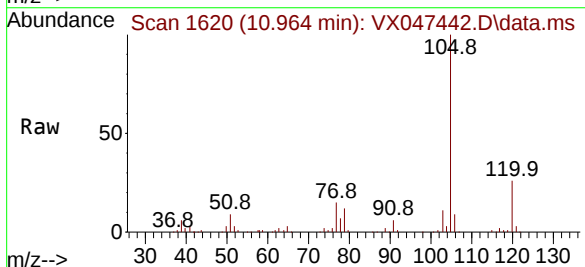
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

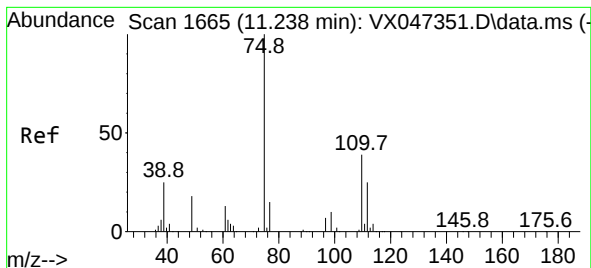
Tgt Ion:152 Resp: 289774
Ion Ratio Lower Upper
152 100
115 61.3 44.6 133.8
150 156.1 0.0 349.8



#73
Isopropylbenzene
Concen: 3.320 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion:105 Resp: 75289
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 28.044 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX047442.D

Acq: 20 Aug 2025 15:04

Instrument :

MSVOA_X

ClientSampleId :

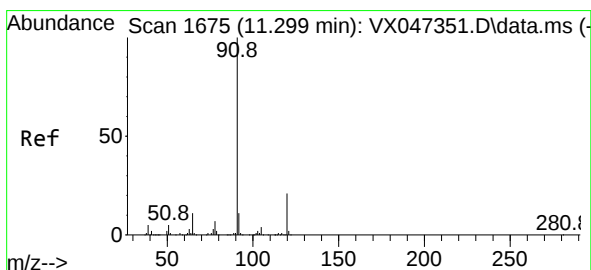
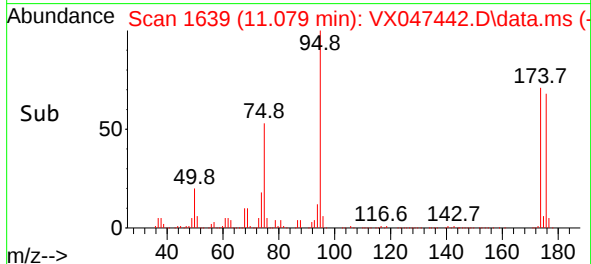
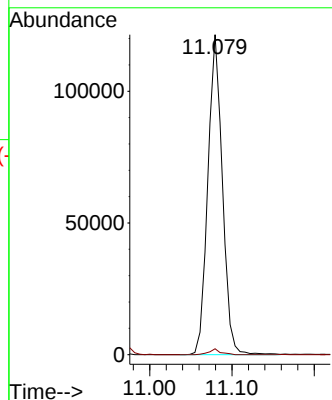
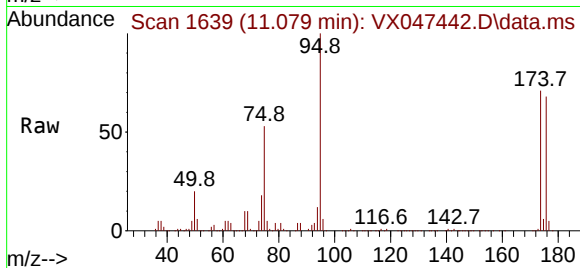
MW-11B-081825

Tgt Ion: 75 Resp: 149050

Ion Ratio Lower Upper

75 100

77 1.5 19.4 58.2#



#78

n-propylbenzene

Concen: 0.341 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX047442.D

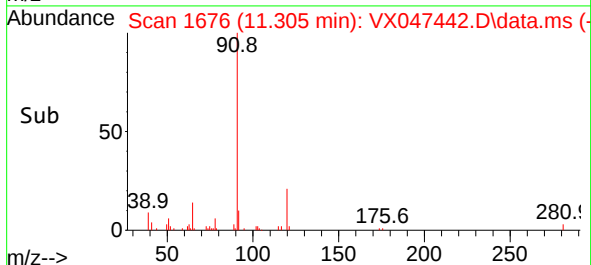
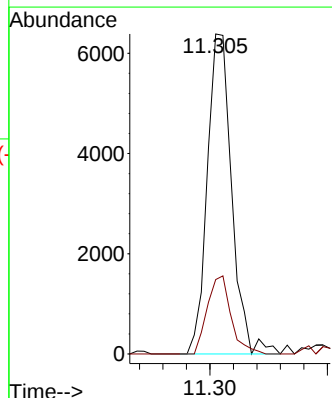
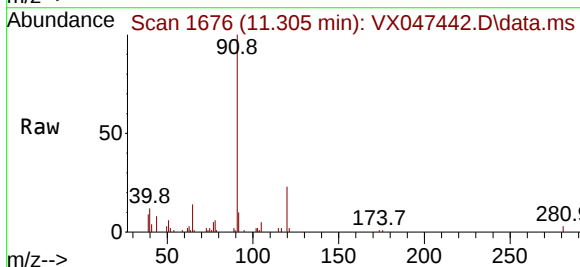
Acq: 20 Aug 2025 15:04

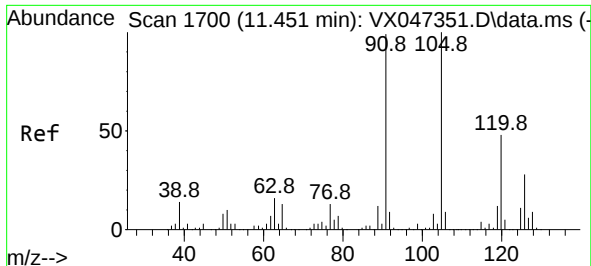
Tgt Ion: 91 Resp: 9242

Ion Ratio Lower Upper

91 100

120 23.6 11.0 33.0

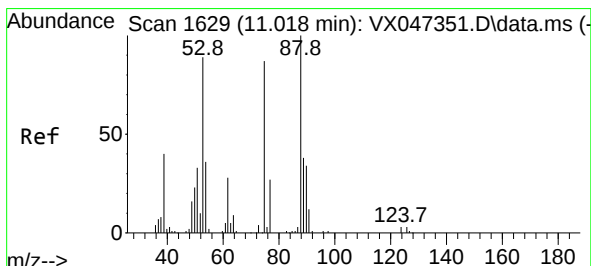
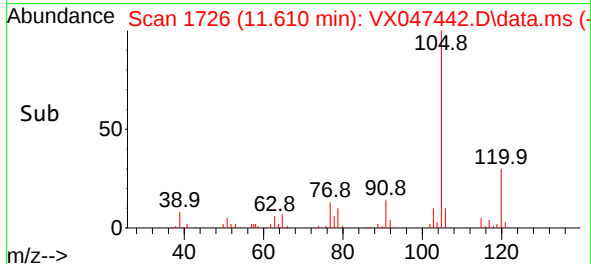
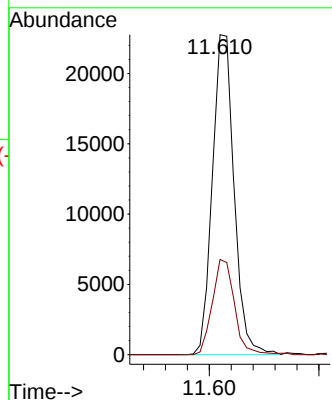
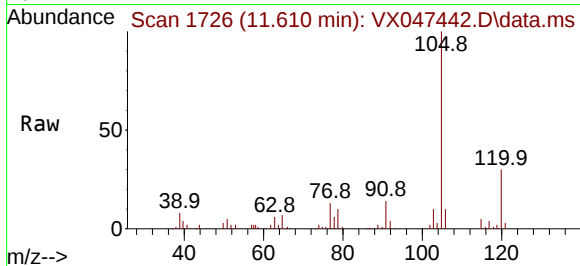




#80
1,3,5-Trimethylbenzene
Concen: 1.677 ug/l
RT: 11.610 min Scan# 1700
Delta R.T. 0.159 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

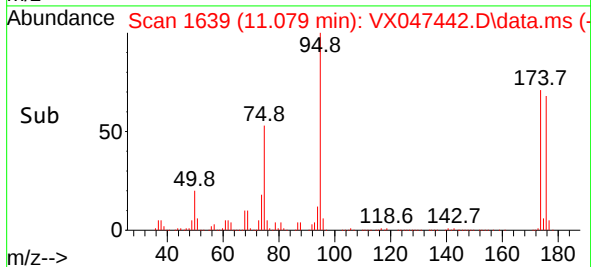
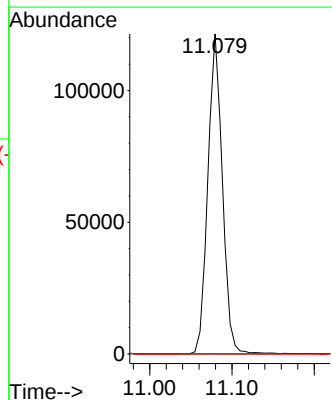
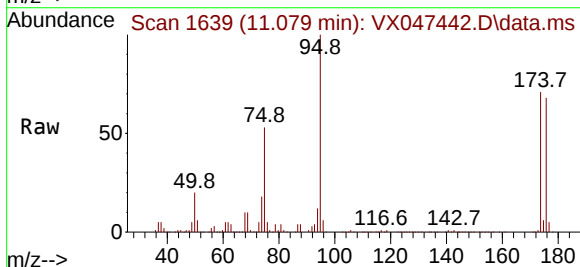
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

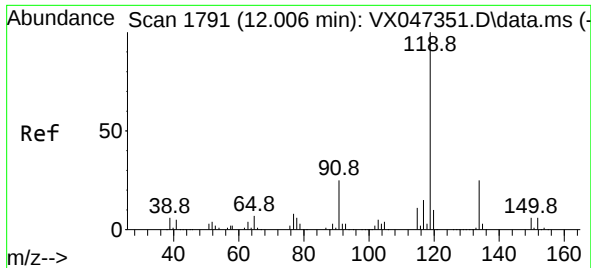
Tgt Ion:105 Resp: 31288
Ion Ratio Lower Upper
105 100
120 30.5 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 110.594 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 75 Resp: 149050
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

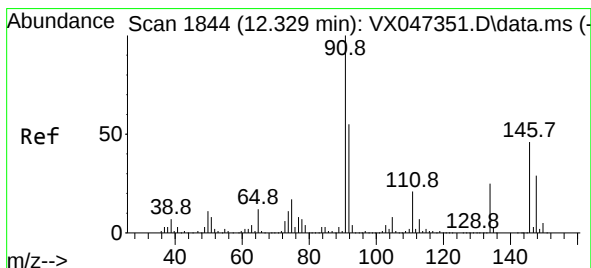
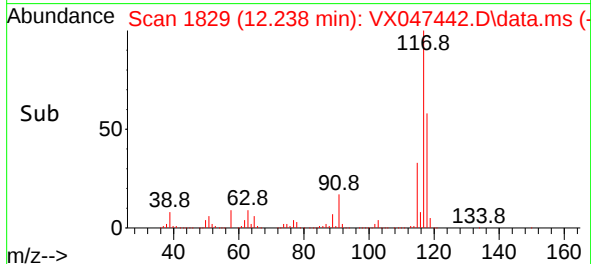
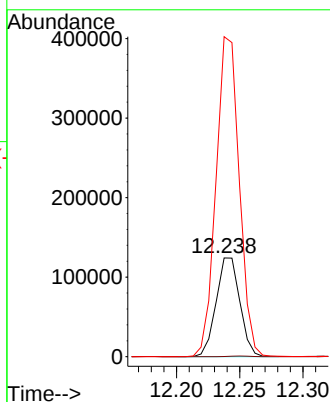
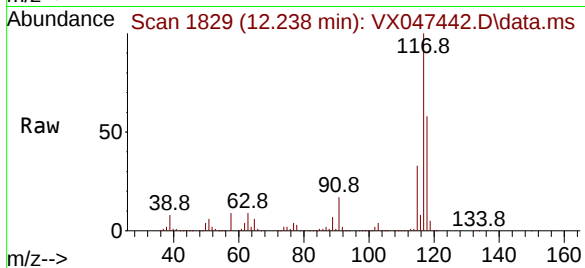




#86
p-Isopropyltoluene
Concen: 8.294 ug/l
RT: 12.238 min Scan# 1829
Delta R.T. 0.232 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

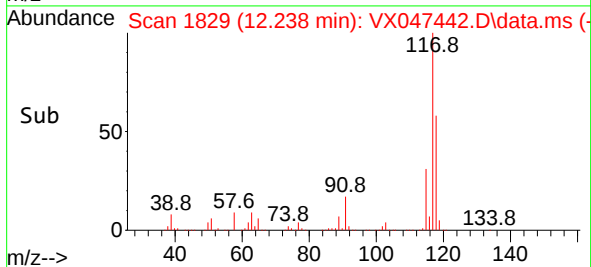
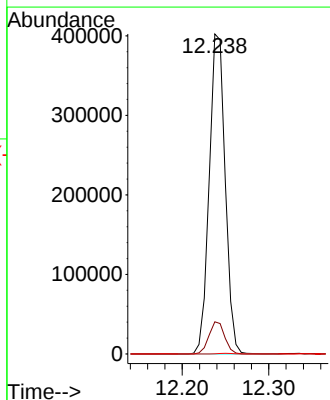
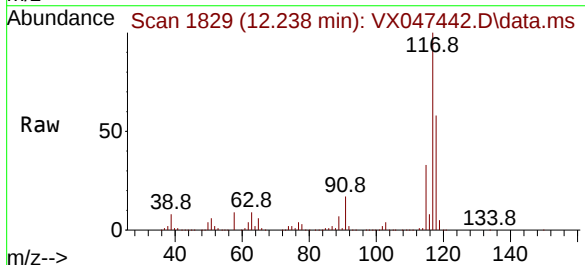
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-081825

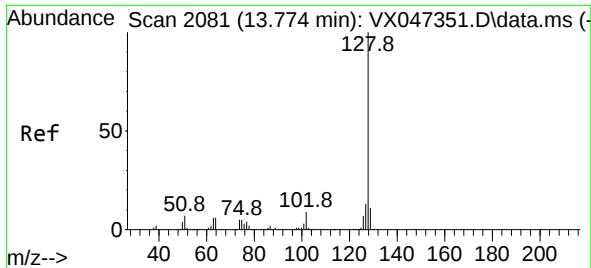
Tgt Ion:119 Resp: 161926
Ion Ratio Lower Upper
119 100
134 0.6 12.8 38.4#
91 317.9 12.4 37.4#



#89
n-Butylbenzene
Concen: 28.381 ug/l
RT: 12.238 min Scan# 1829
Delta R.T. -0.091 min
Lab File: VX047442.D
Acq: 20 Aug 2025 15:04

Tgt Ion: 91 Resp: 515364
Ion Ratio Lower Upper
91 100
92 9.9 27.2 81.5#
134 0.2 12.6 37.8#





#95

Naphthalene

Concen: 5.621 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX047442.D

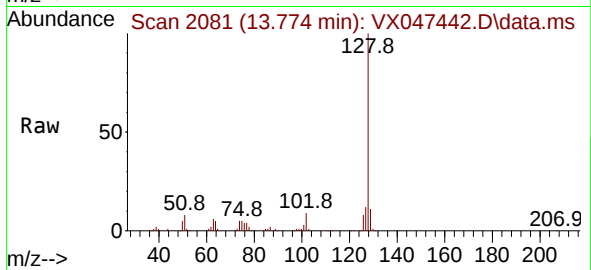
Acq: 20 Aug 2025 15:04

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-081825



Tgt Ion:128 Resp: 108126

Ion Ratio Lower Upper

128 100

127 11.9 10.1 15.1

129 10.9 8.7 13.1

