

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047475.D
 Acq On : 21 Aug 2025 16:56
 Operator : JC/MD
 Sample : Q2903-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6B-081925

Quant Time: Aug 22 03:51:18 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)

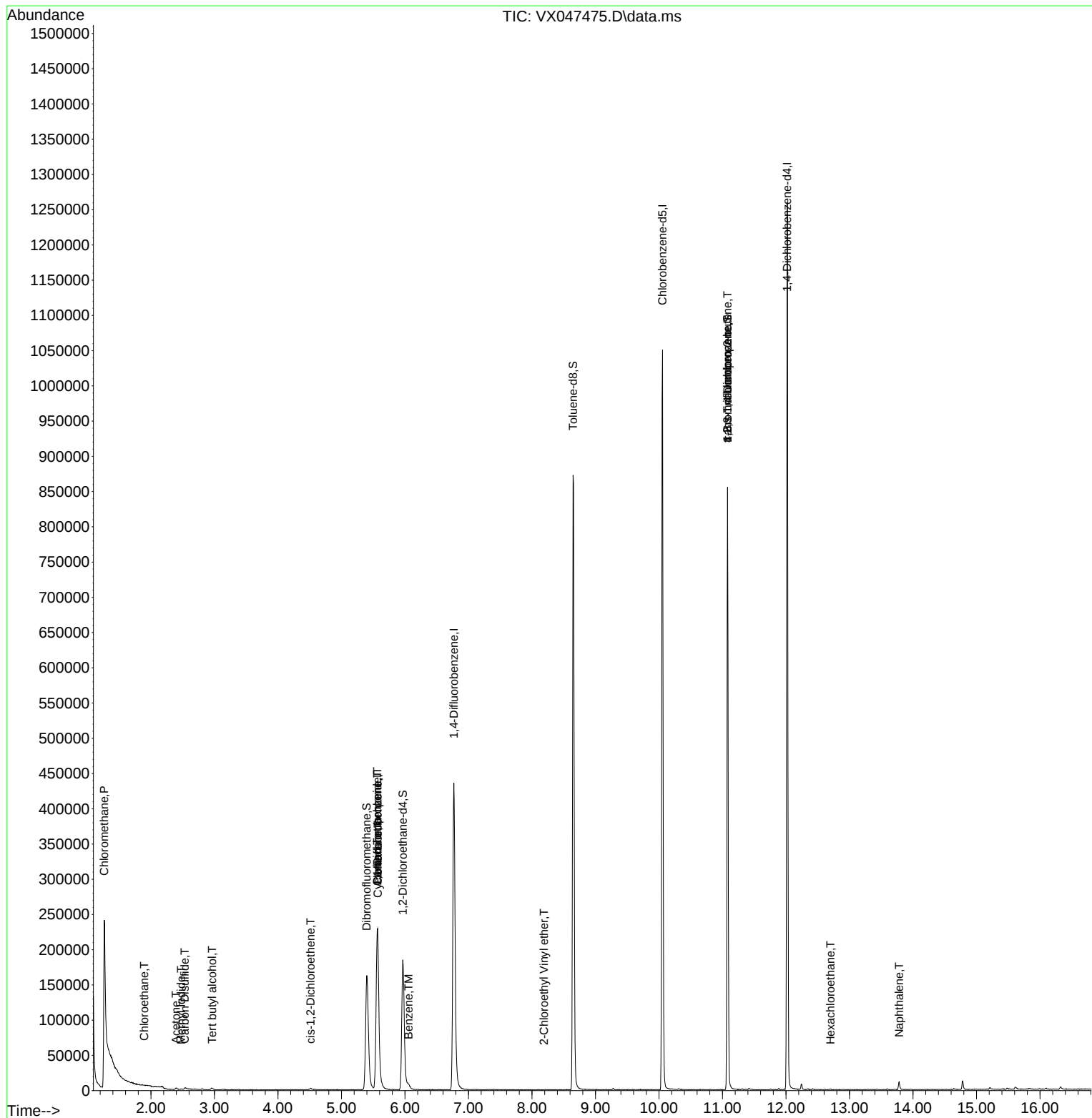
Internal Standards						
1) Pentafluorobenzene	5.568	168	225941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	469925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	250060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	193786	61.284	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 122.560%#		
35) Dibromofluoromethane	5.397	113	155443	50.967	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.940%		
50) Toluene-d8	8.647	98	541695	49.692	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.380%		
62) 4-Bromofluorobenzene	11.079	95	231165	57.465	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	7383	2.849	ug/l #	41
6) Chloroethane	1.892	64	1514	0.761	ug/l #	85
10) Methyl Iodide	2.477	142	1268	0.265	ug/l #	80
11) Tert butyl alcohol	2.965	59	924	3.359	ug/l #	72
16) Acetone	2.392	43	3302	2.778	ug/l #	86
17) Carbon Disulfide	2.532	76	3306	0.385	ug/l #	84
27) cis-1,2-Dichloroethene	4.513	96	927	0.264	ug/l	68
31) Cyclohexane	5.574	56	5086	0.999	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	19263	4.001	ug/l #	52
38) Carbon Tetrachloride	5.562	117	24729	4.700	ug/l #	14
40) Benzene	6.056	78	6224	0.432	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.190	63	37	8.370	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	121096	26.403	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	121096	104.582	ug/l #	7
90) Hexachloroethane	12.701	117	774	0.262	ug/l #	15
95) Naphthalene	13.780	128	8508	0.513	ug/l	99

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

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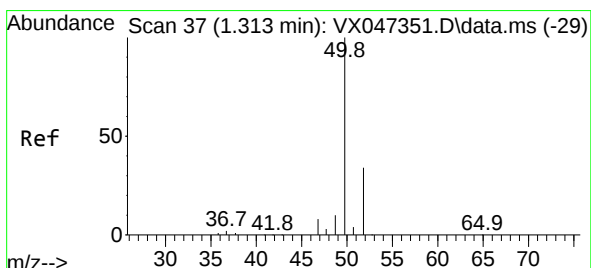
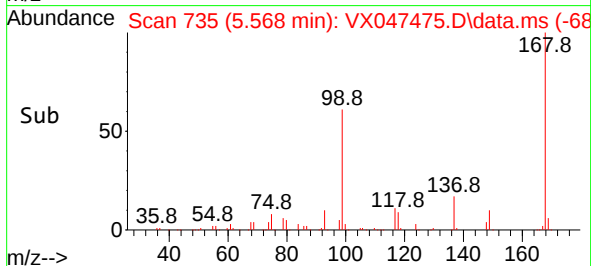
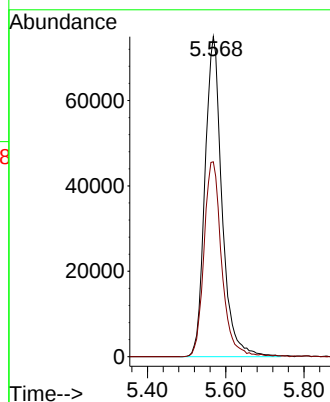
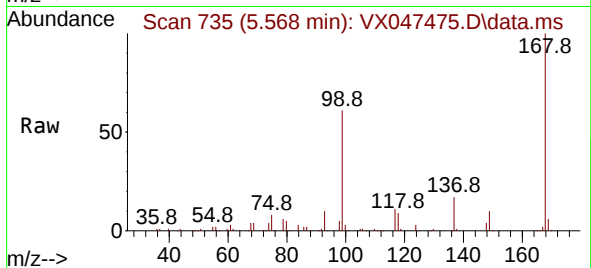




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

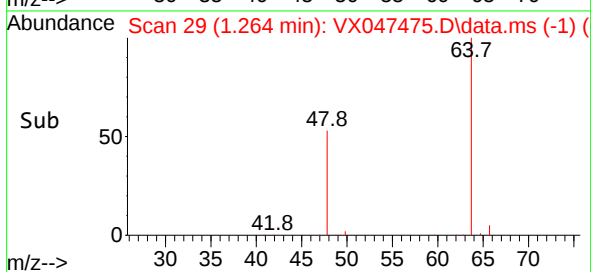
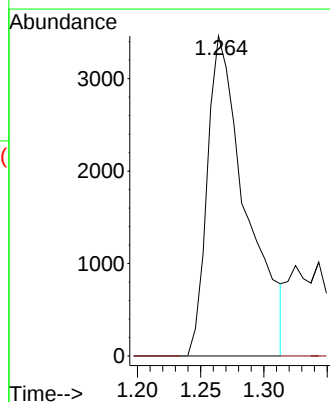
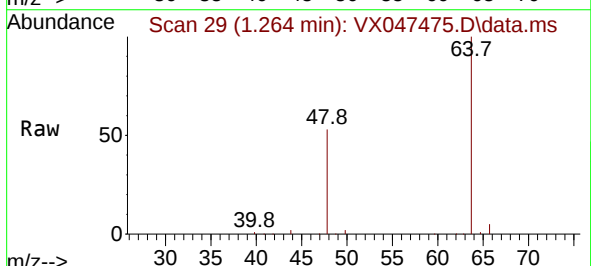
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

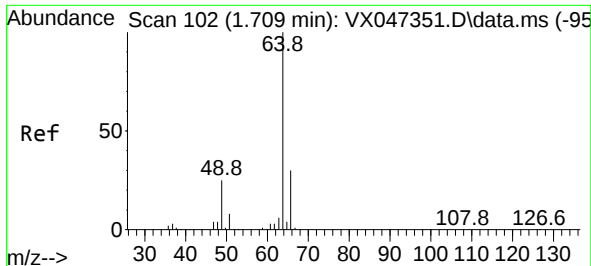
Tgt Ion:168 Resp: 225941
Ion Ratio Lower Upper
168 100
99 60.9 47.9 71.9



#3
Chloromethane
Concen: 2.849 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 50 Resp: 7383
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

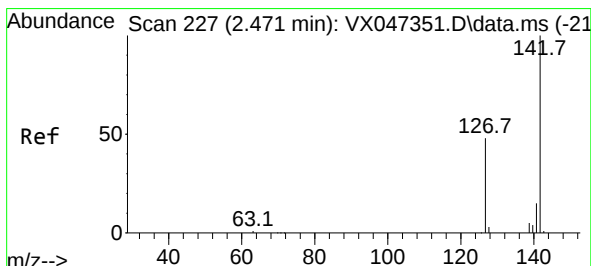
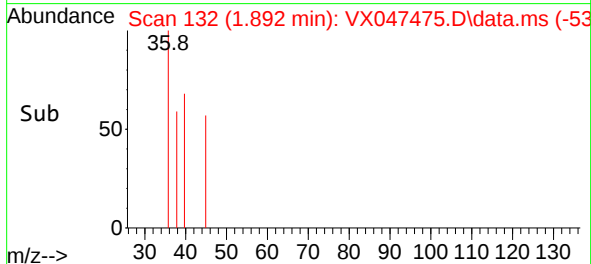
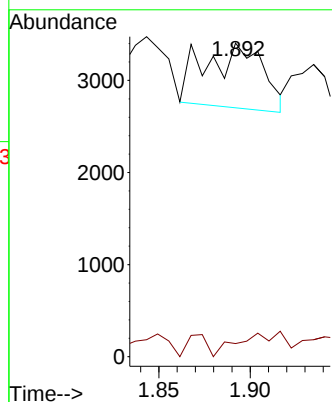
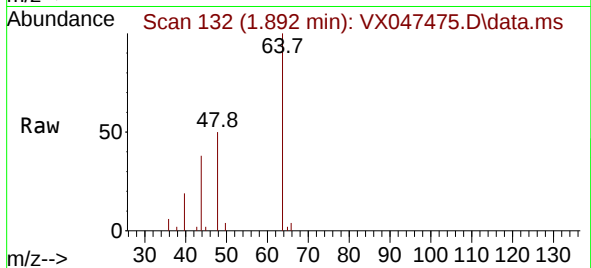




#6
Chloroethane
Concen: 0.761 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.183 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

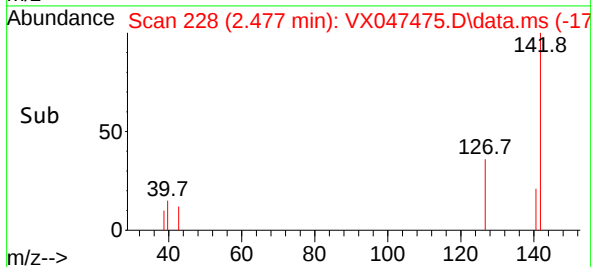
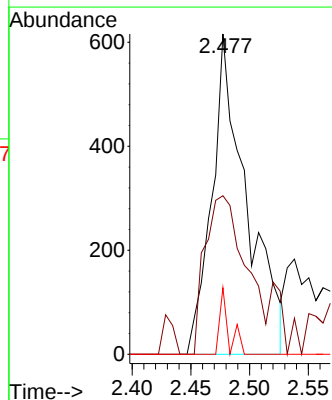
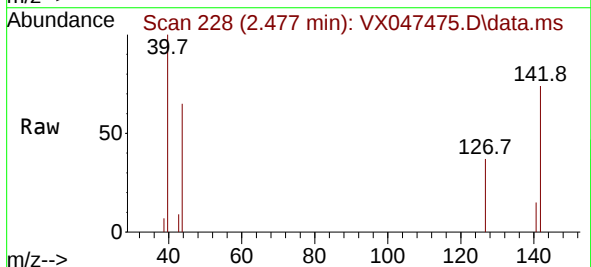
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

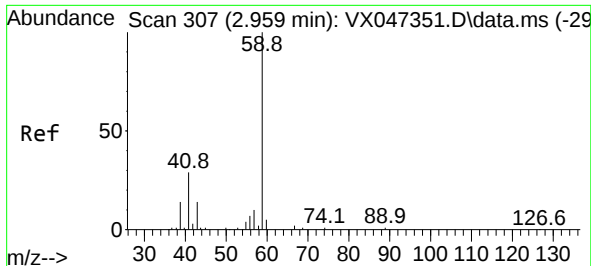
Tgt Ion: 64 Resp: 1514
Ion Ratio Lower Upper
64 100
66 22.3 24.4 36.6#



#10
Methyl Iodide
Concen: 0.265 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:142 Resp: 1268
Ion Ratio Lower Upper
142 100
127 58.4 36.1 54.1#
141 5.4 11.1 16.7#





#11

Tert butyl alcohol

Concen: 3.359 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX047475.D

Acq: 21 Aug 2025 16:56

Instrument :

MSVOA_X

ClientSampleId :

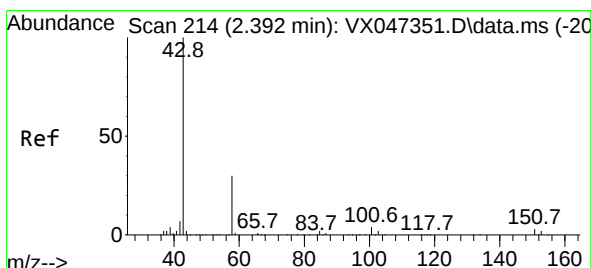
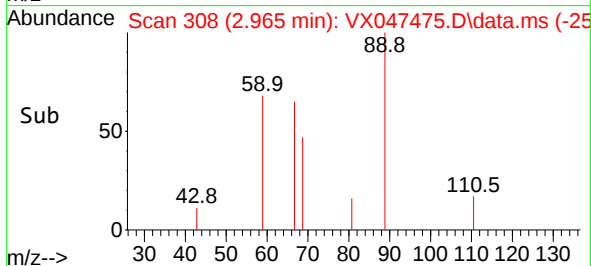
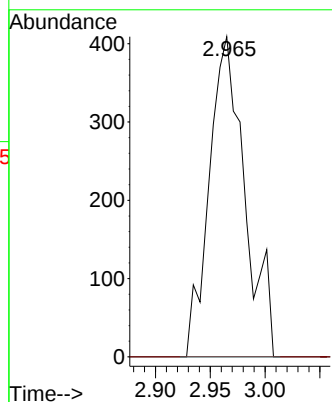
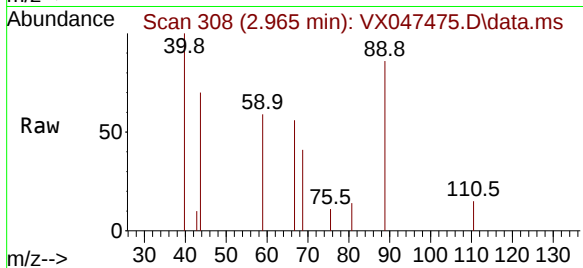
MW-6B-081925

Tgt Ion: 59 Resp: 924

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.778 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047475.D

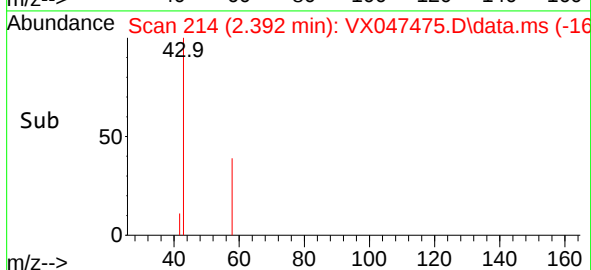
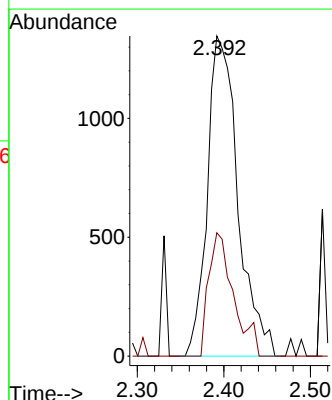
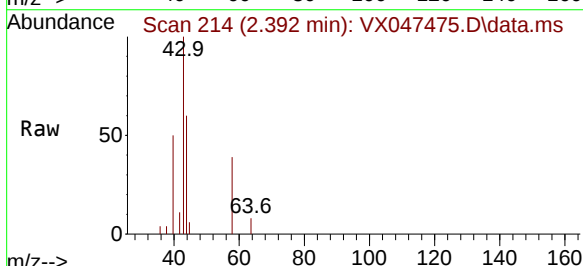
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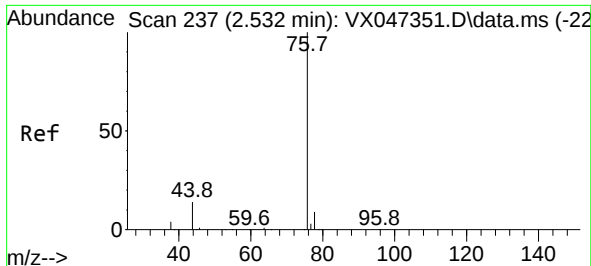
Tgt Ion: 43 Resp: 3302

Ion Ratio Lower Upper

43 100

58 38.5 24.8 37.2#

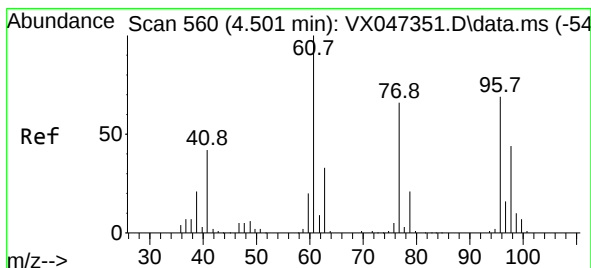
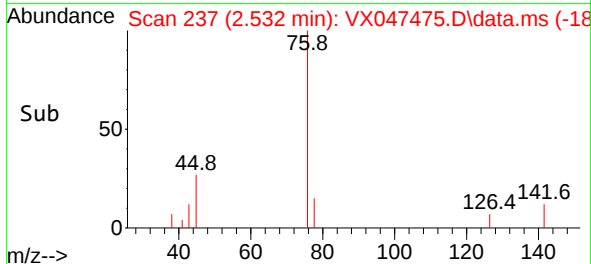
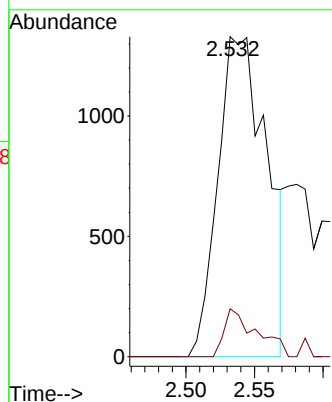
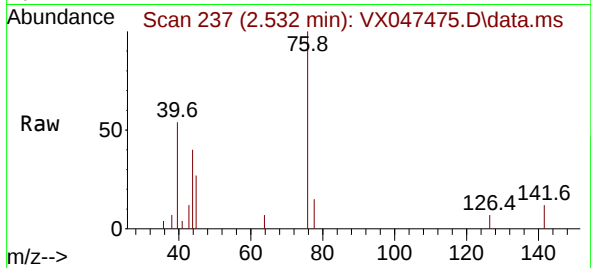




#17
Carbon Disulfide
Concen: 0.385 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

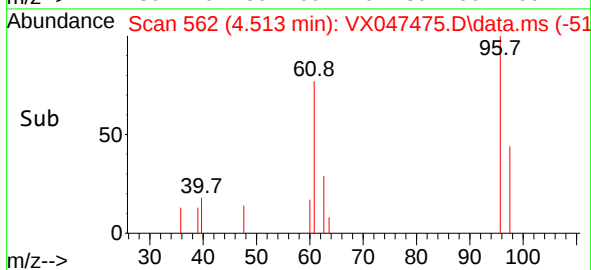
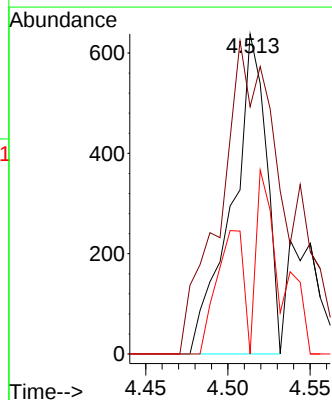
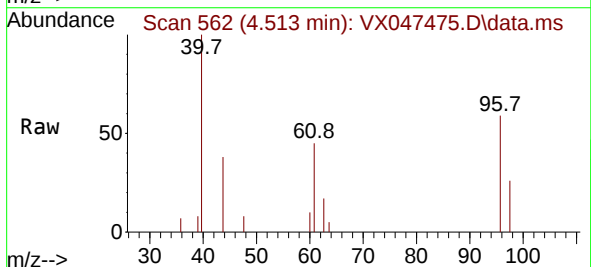
Instrument :
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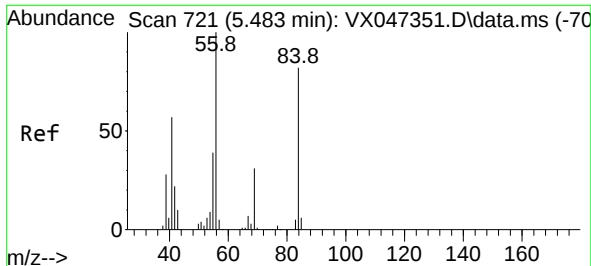
Tgt Ion: 76 Resp: 3306
Ion Ratio Lower Upper
76 100
78 15.0 7.2 10.8#



#27
cis-1,2-Dichloroethene
Concen: 0.264 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.012 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 96 Resp: 927
Ion Ratio Lower Upper
96 100
61 188.9 0.0 296.6
98 41.1 0.0 130.4

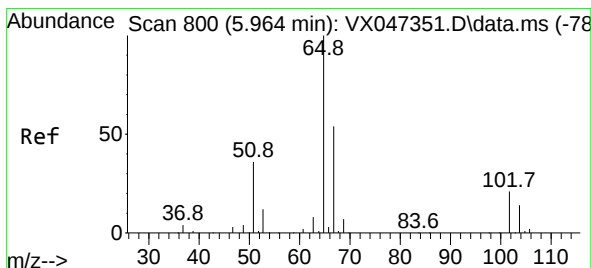
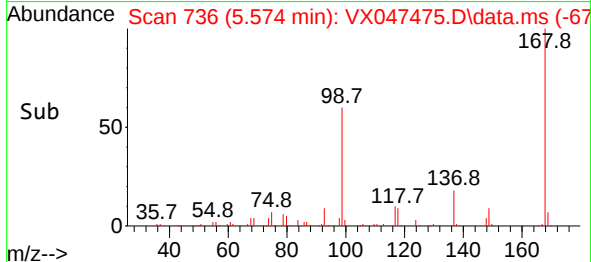
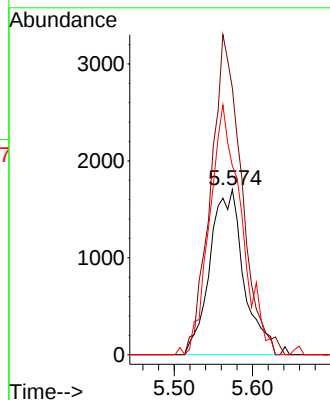
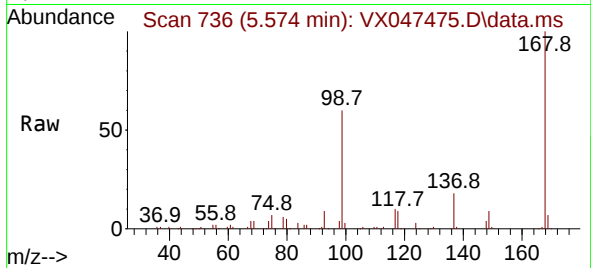




#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.092 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

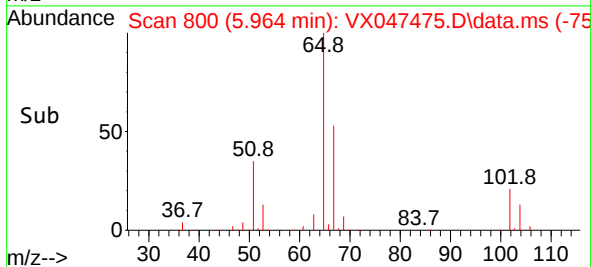
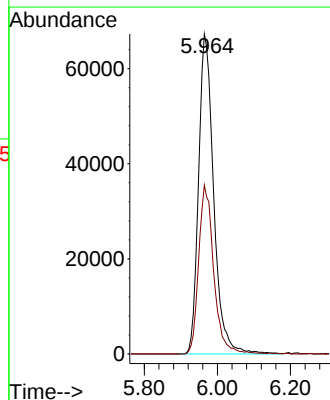
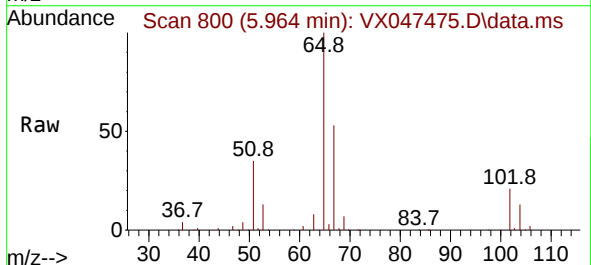
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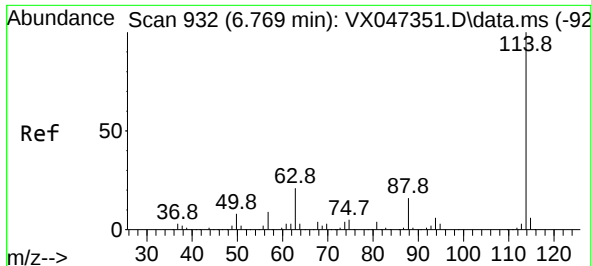
Tgt Ion: 56 Resp: 5086
Ion Ratio Lower Upper
56 100
69 156.2 24.3 36.5#
84 110.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 61.284 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 65 Resp: 193786
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0

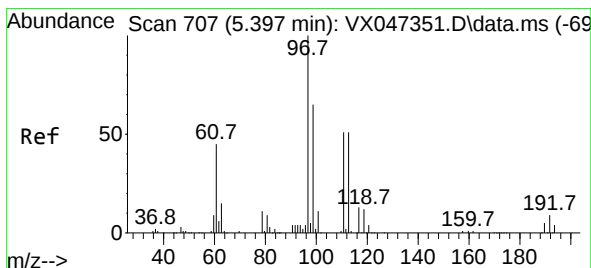
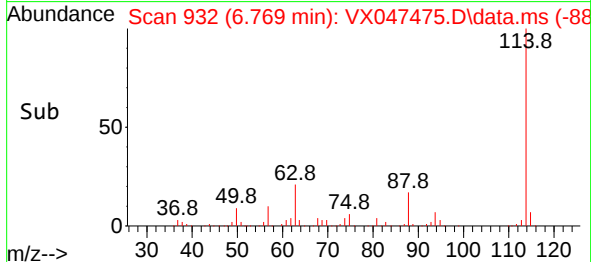
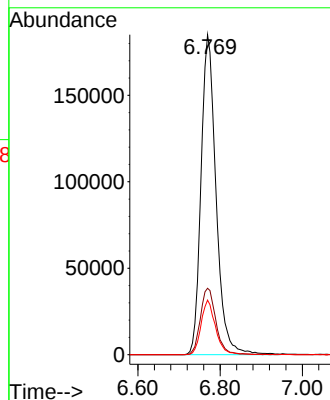
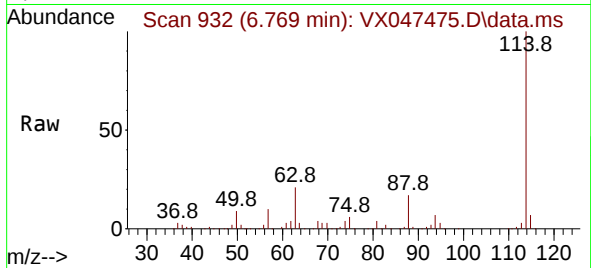




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

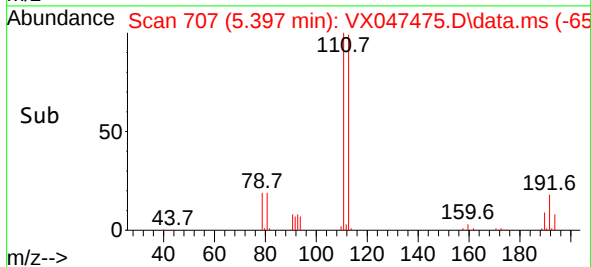
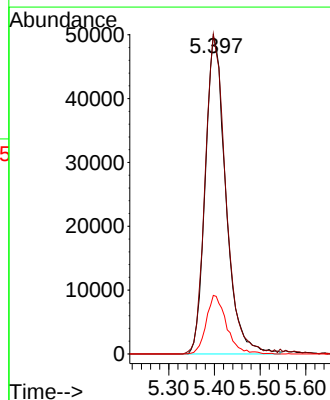
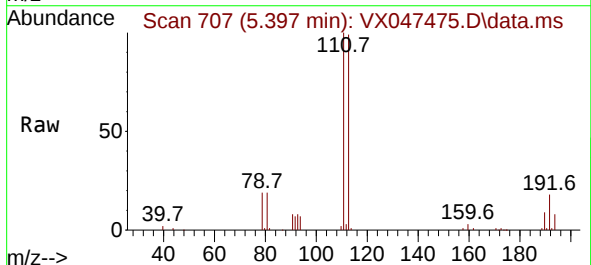
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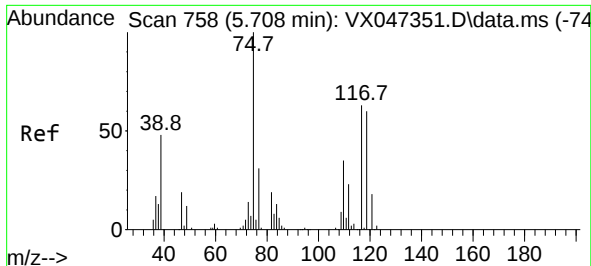
Tgt Ion:114 Resp: 469925
Ion Ratio Lower Upper
114 100
63 23.4 0.0 42.4
88 17.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.967 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:113 Resp: 155443
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.2
192 18.2 14.1 21.1

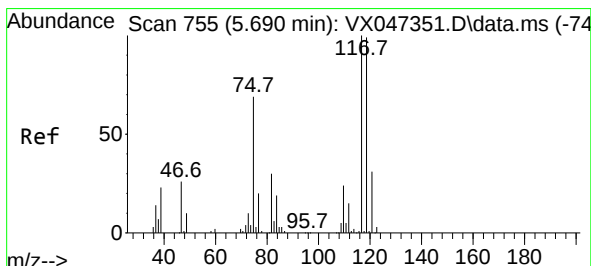
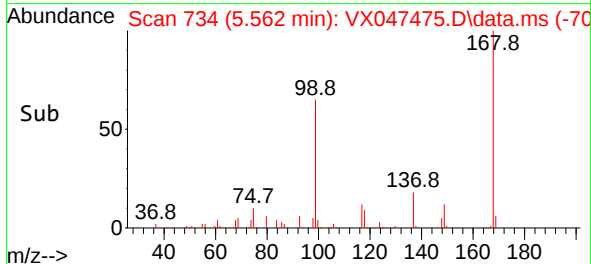
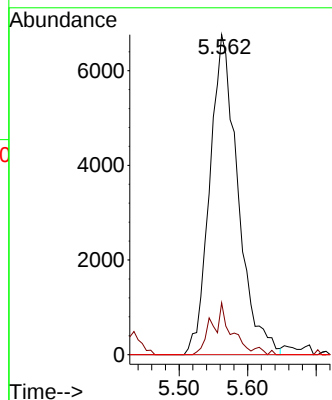
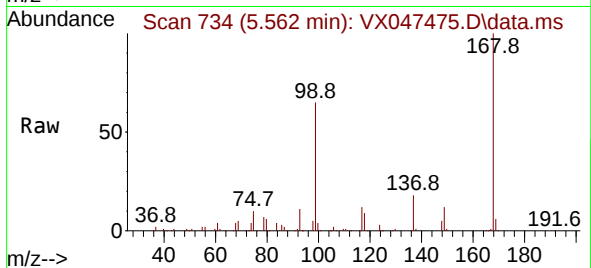




#36
1,1-Dichloropropene
Concen: 4.001 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

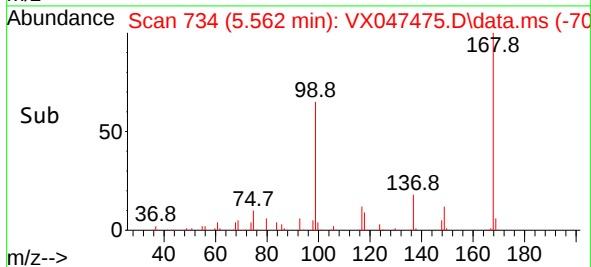
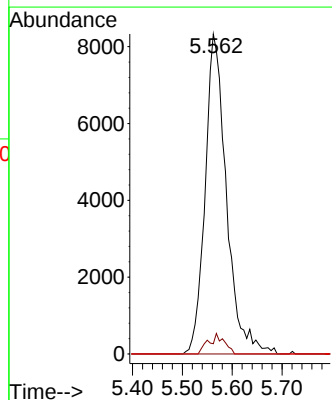
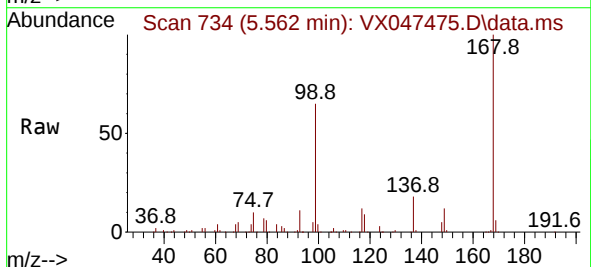
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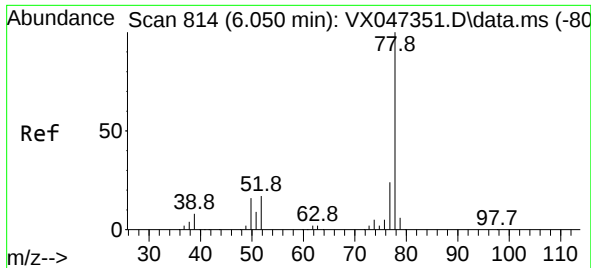
Tgt Ion: 75 Resp: 19263
Ion Ratio Lower Upper
75 100
110 11.1 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.700 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 117 Resp: 24729
Ion Ratio Lower Upper
117 100
119 3.2 78.5 117.7#
121 0.0 24.7 37.1#

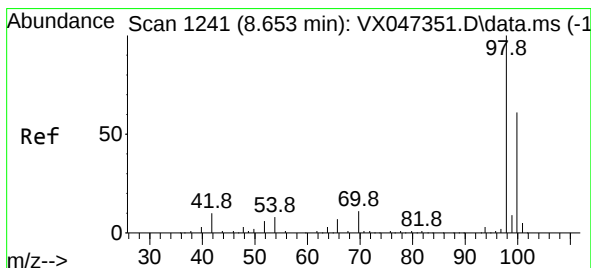
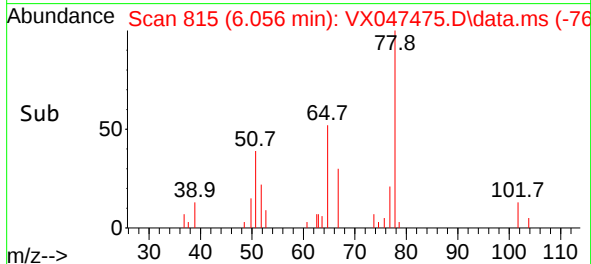
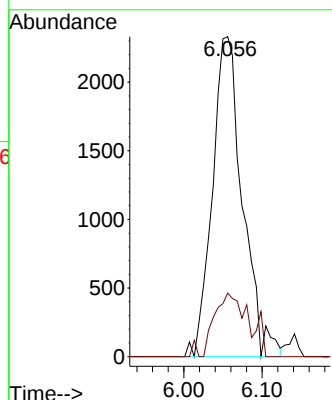
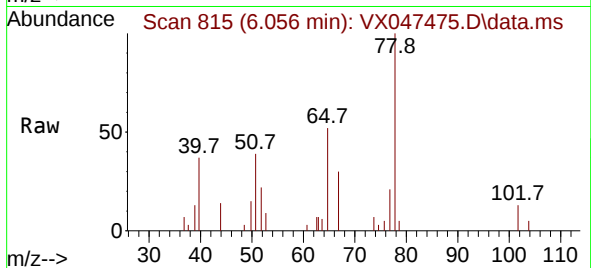




#40
Benzene
Concen: 0.432 ug/l
RT: 6.056 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

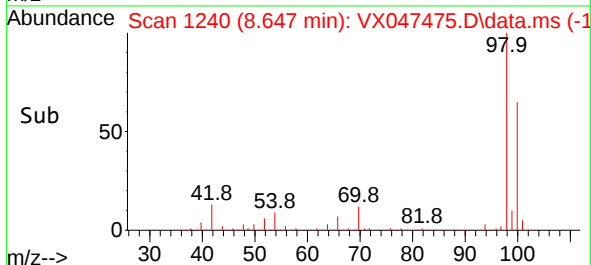
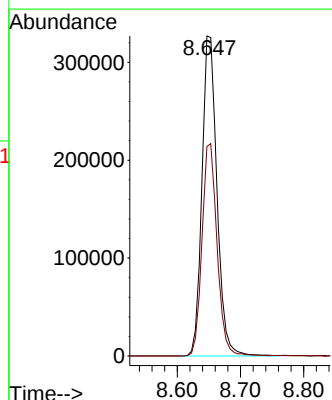
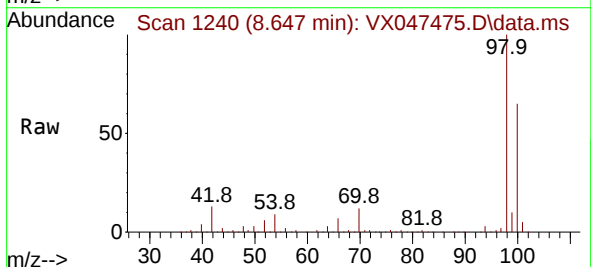
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

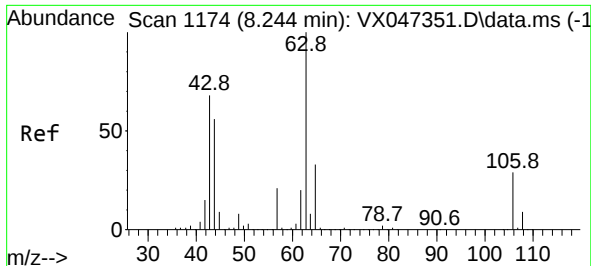
Tgt Ion: 78 Resp: 6224
Ion Ratio Lower Upper
78 100
77 19.9 19.0 28.4



#50
Toluene-d8
Concen: 49.692 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 98 Resp: 541695
Ion Ratio Lower Upper
98 100
100 66.5 53.9 80.9

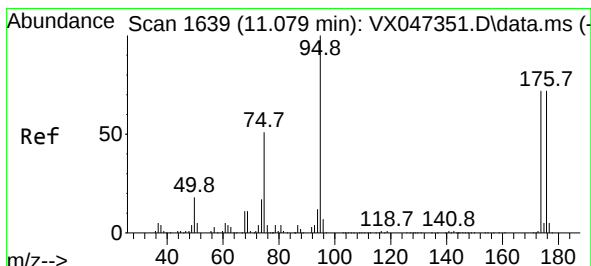
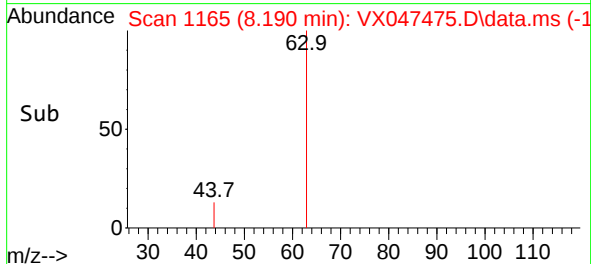
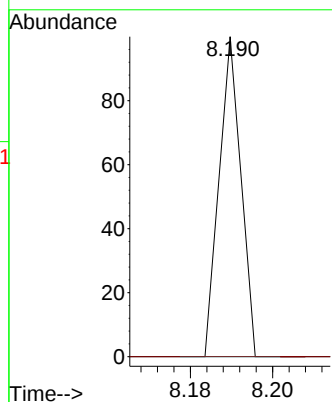
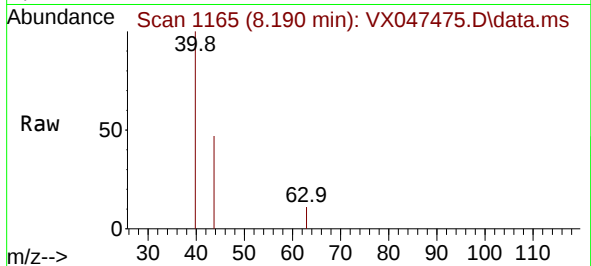




#58
2-Chloroethyl Vinyl ether
Concen: 8.370 ug/l
RT: 8.190 min Scan# 1165
Delta R.T. -0.055 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

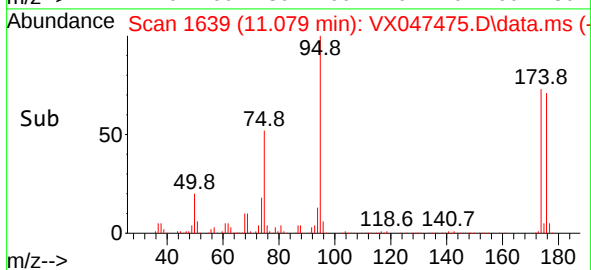
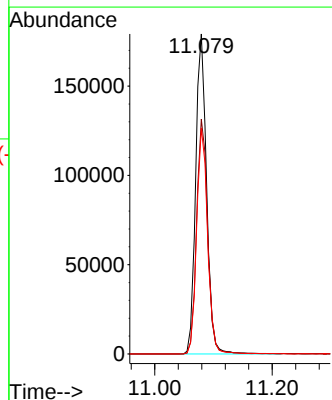
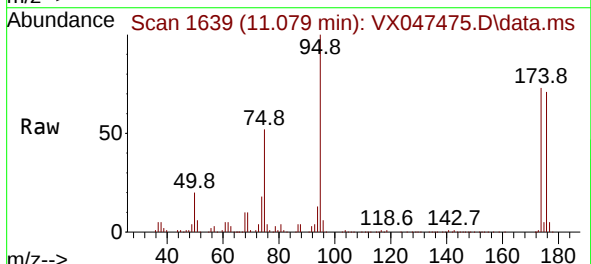
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

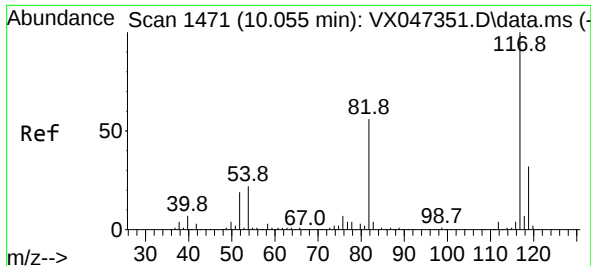
Tgt Ion: 63 Resp: 37
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 57.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 95 Resp: 231165
Ion Ratio Lower Upper
95 100
174 74.3 0.0 148.0
176 70.8 0.0 145.4

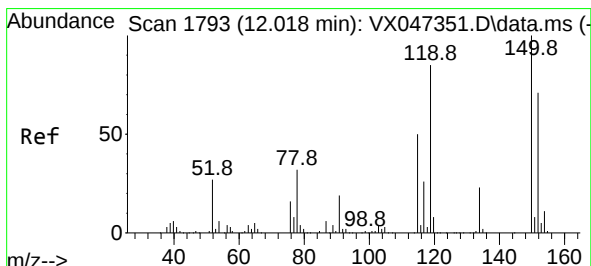
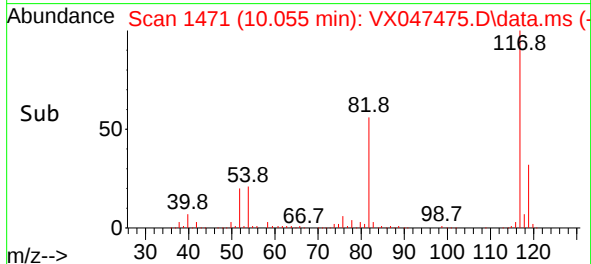
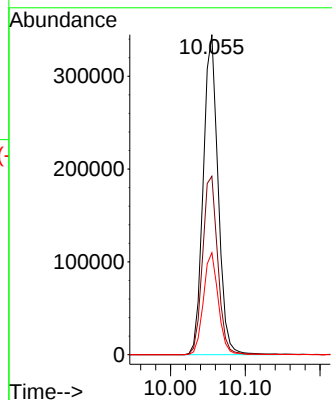
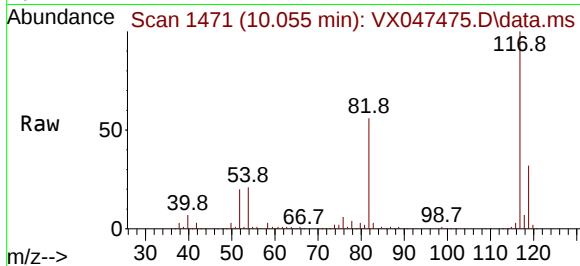




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

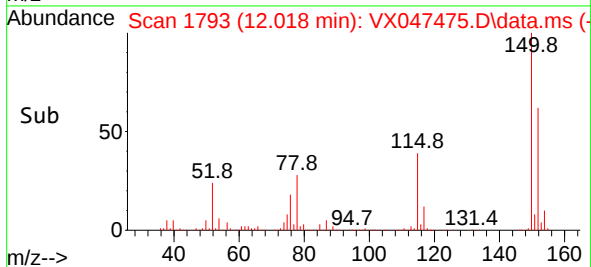
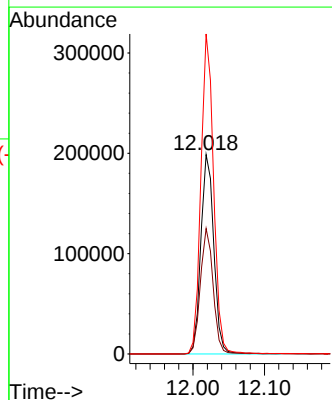
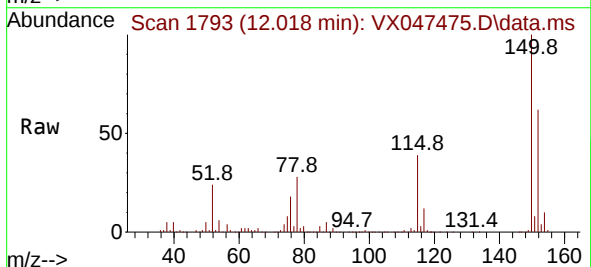
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

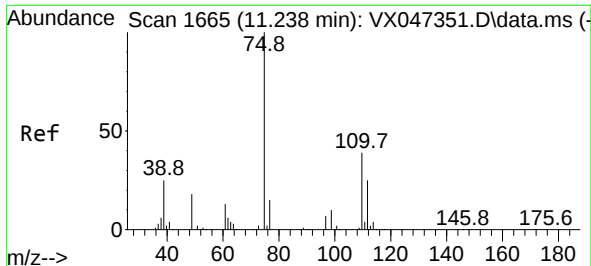
Tgt Ion:117 Resp: 476037
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:152 Resp: 250060
Ion Ratio Lower Upper
152 100
115 62.0 44.6 133.8
150 157.2 0.0 349.8

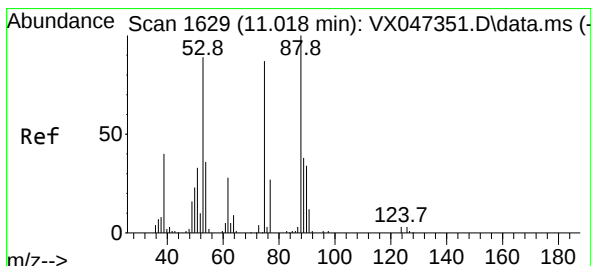
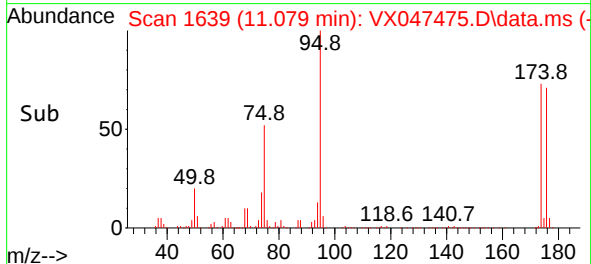
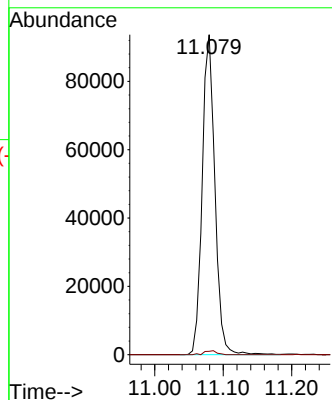
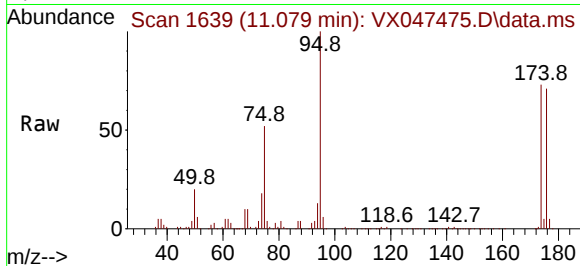




#76
1,2,3-Trichloropropane
Concen: 26.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

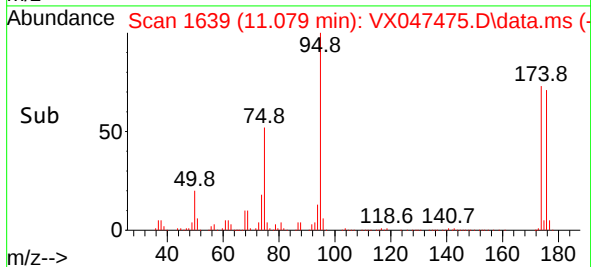
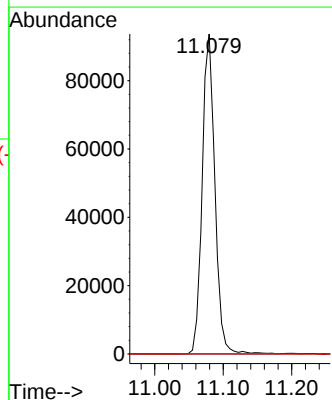
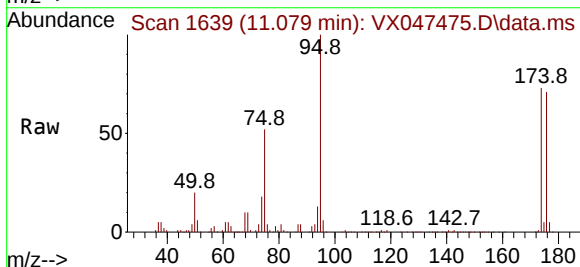
Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

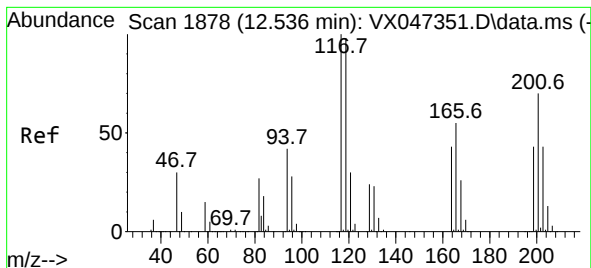
Tgt Ion: 75 Resp: 121096
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 75 Resp: 121096
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#90

Hexachloroethane

Concen: 0.262 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.165 min

Lab File: VX047475.D

Acq: 21 Aug 2025 16:56

Instrument :

MSVOA_X

ClientSampleId :

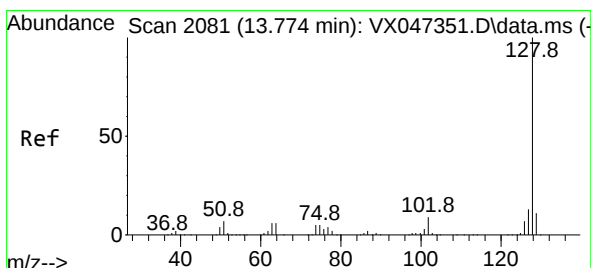
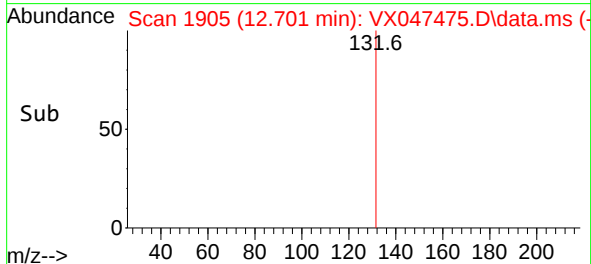
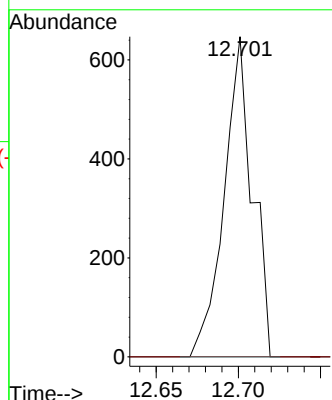
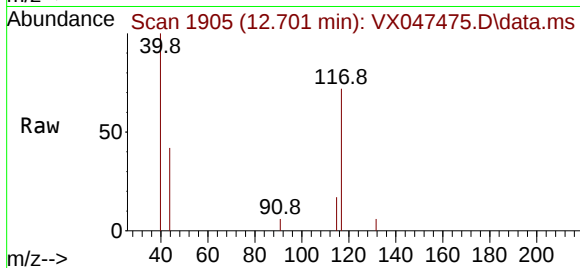
MW-6B-081925

Tgt Ion:117 Resp: 774

Ion Ratio Lower Upper

117 100

201 0.0 35.1 105.3#



#95

Naphthalene

Concen: 0.513 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX047475.D

Acq: 21 Aug 2025 16:56

Tgt Ion:128 Resp: 8508

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.8 8.7 13.1

