

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047476.D
 Acq On : 21 Aug 2025 17:17
 Operator : JC/MD
 Sample : Q2903-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1B-081925

Quant Time: Aug 22 03:51:43 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)

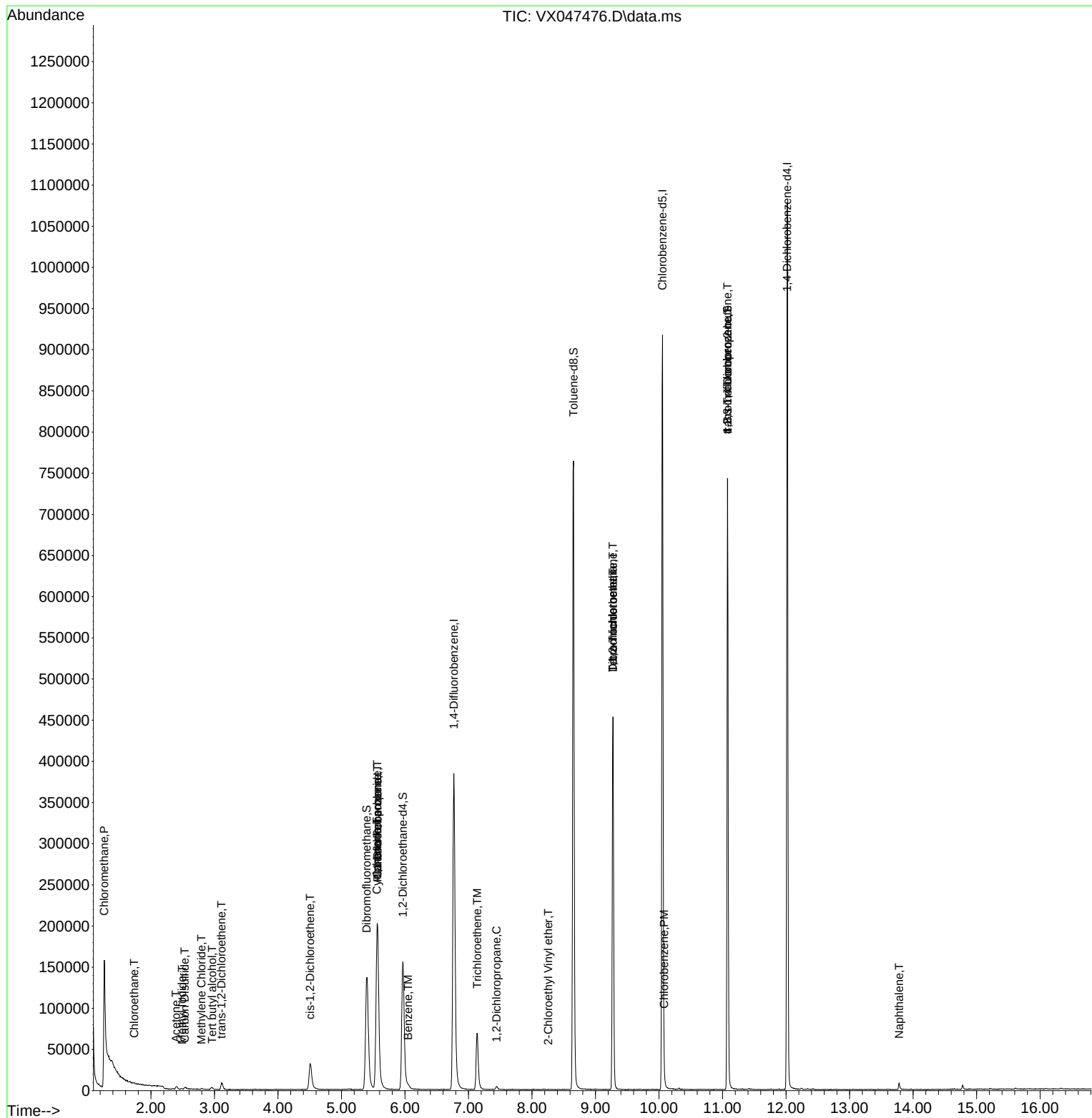
Internal Standards						
1) Pentafluorobenzene	5.568	168	202322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	410659	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165893	58.587	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	117.180%#
35) Dibromofluoromethane	5.397	113	134169	50.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.680%
50) Toluene-d8	8.653	98	466477	48.968	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.940%
62) 4-Bromofluorobenzene	11.079	95	196710	55.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.920%
Target Compounds						
						Qvalue
3) Chloromethane	1.264	50	5923	2.553	ug/l #	41
6) Chloroethane	1.733	64	2413	1.354	ug/l #	52
10) Methyl Iodide	2.489	142	1246	0.291	ug/l #	76
11) Tert butyl alcohol	2.965	59	1115	4.526	ug/l #	72
16) Acetone	2.392	43	3182	2.990	ug/l #	47
17) Carbon Disulfide	2.532	76	2435	0.317	ug/l #	82
20) Methylene Chloride	2.794	84	610	0.216	ug/l #	51
21) trans-1,2-Dichloroethene	3.111	96	3491	1.291	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	22147	7.033	ug/l	92
31) Cyclohexane	5.556	56	4668	1.024	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	16861	4.008	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21696	4.719	ug/l #	15
40) Benzene	6.050	78	3896	0.309	ug/l #	85
44) Trichloroethene	7.135	130	29849	9.257	ug/l	98
45) 1,2-Dichloropropane	7.440	63	1628	0.516	ug/l	94
55) 1,1,2-Trichloroethane	9.275	97	756	0.256	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.257	63	23	8.366	ug/l #	46
60) Dibromochloromethane	9.275	129	86665	24.683	ug/l #	11
64) Tetrachloroethene	9.275	164	85974	28.888	ug/l	97
65) Chlorobenzene	10.079	112	4144	0.424	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	103127	26.567	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	103127	105.180	ug/l #	7
95) Naphthalene	13.780	128	6240	0.444	ug/l	96

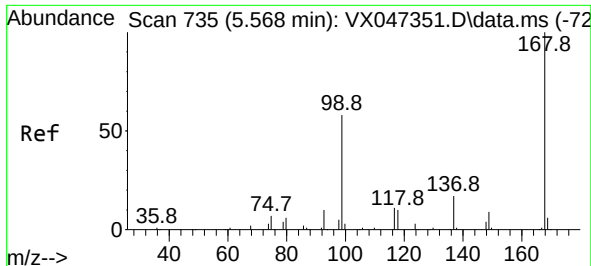
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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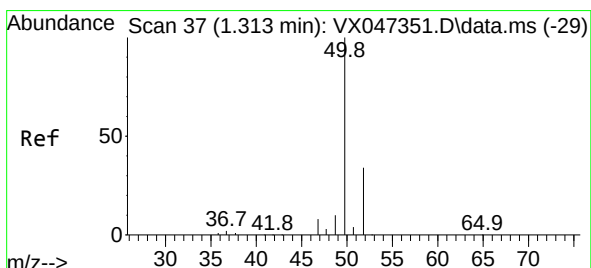
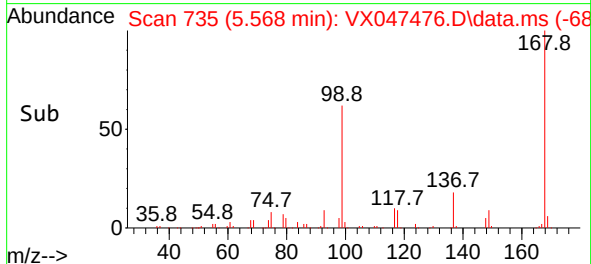
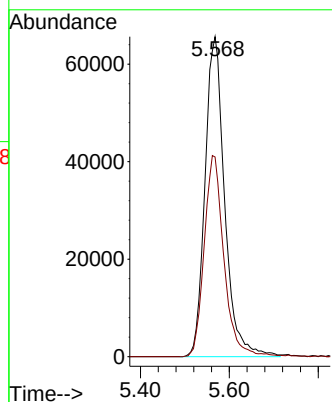
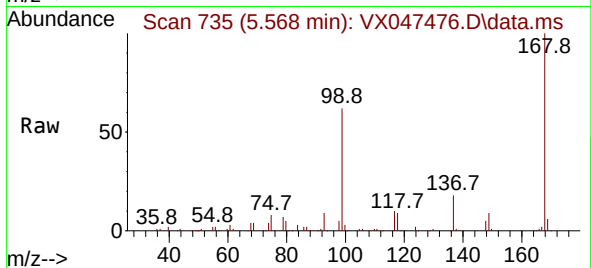




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

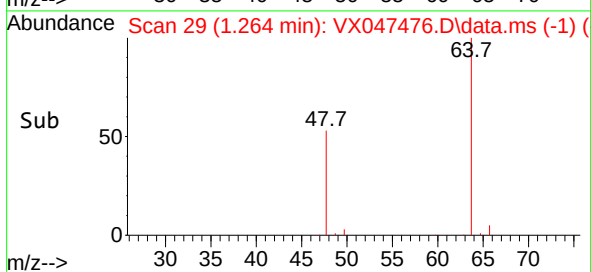
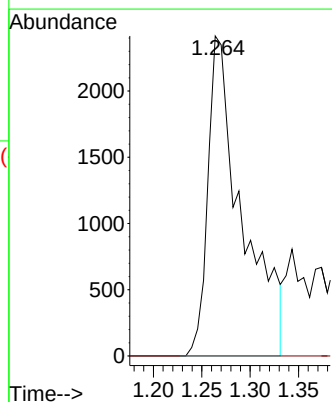
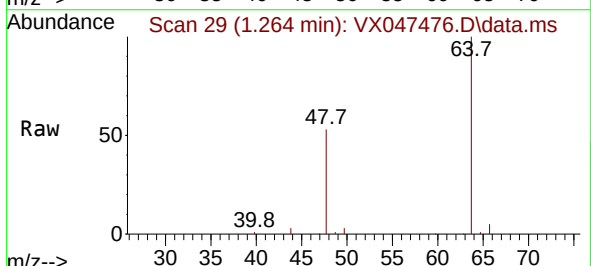
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

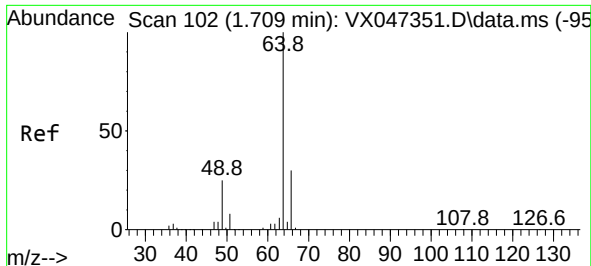
Tgt Ion:168 Resp: 202322
Ion Ratio Lower Upper
168 100
99 62.4 47.9 71.9



#3
Chloromethane
Concen: 2.553 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 50 Resp: 5923
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

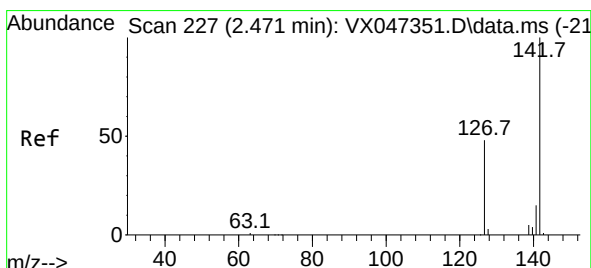
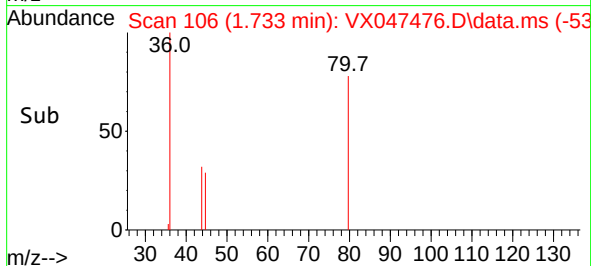
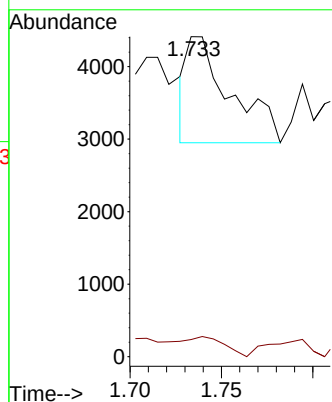
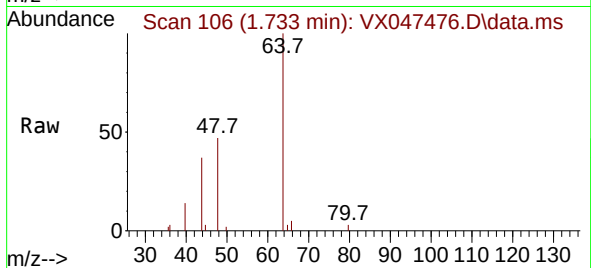




#6
Chloroethane
Concen: 1.354 ug/l
RT: 1.733 min Scan# 10
Delta R.T. 0.024 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

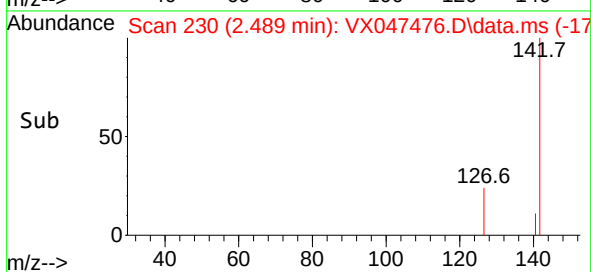
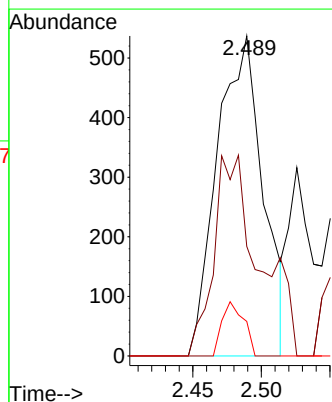
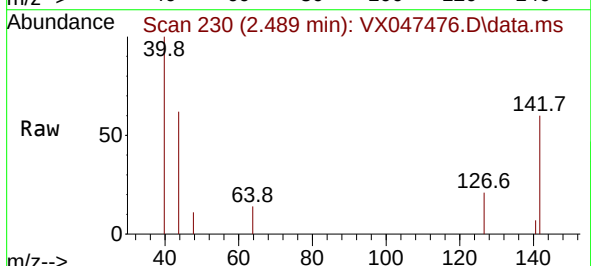
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

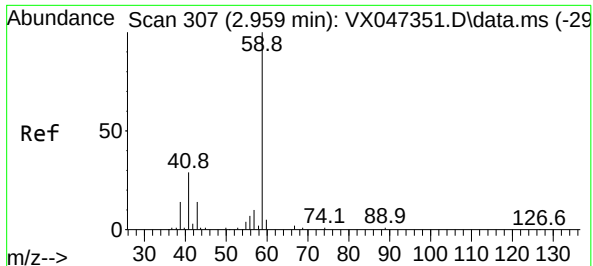
Tgt Ion: 64 Resp: 2413
Ion Ratio Lower Upper
64 100
66 4.2 24.4 36.6#



#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.018 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:142 Resp: 1246
Ion Ratio Lower Upper
142 100
127 62.4 36.1 54.1#
141 8.1 11.1 16.7#

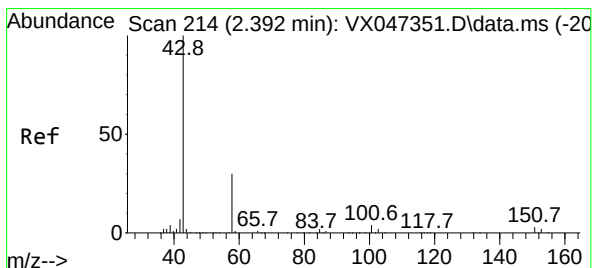
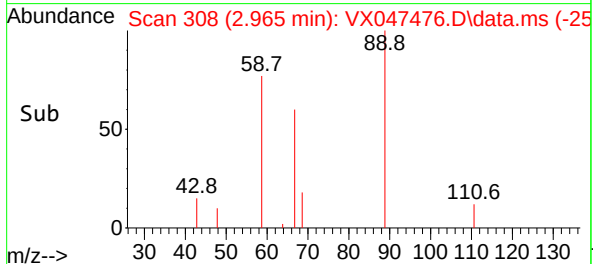
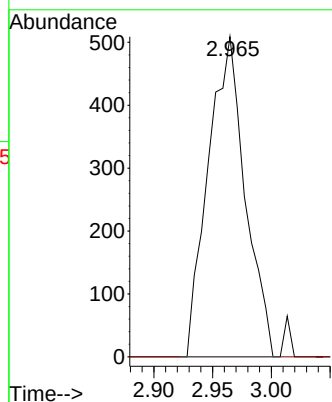
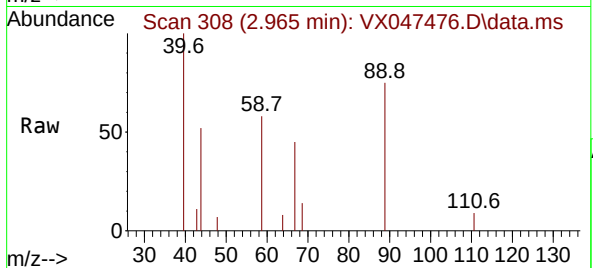




#11
Tert butyl alcohol
Concen: 4.526 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

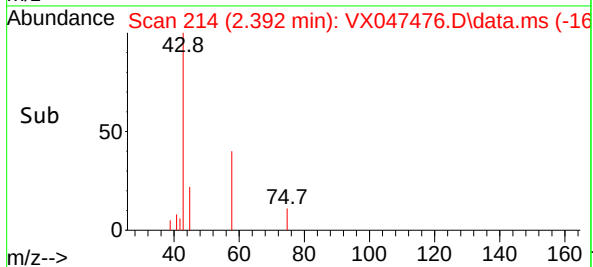
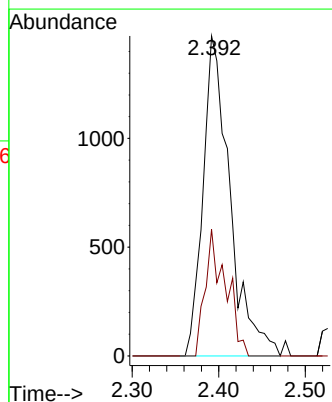
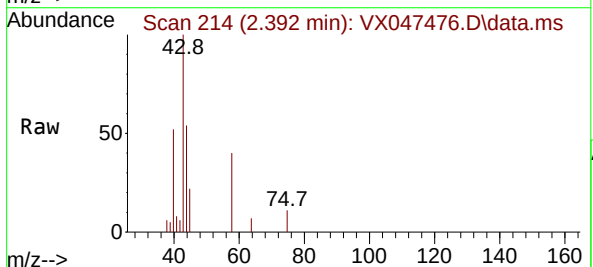
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

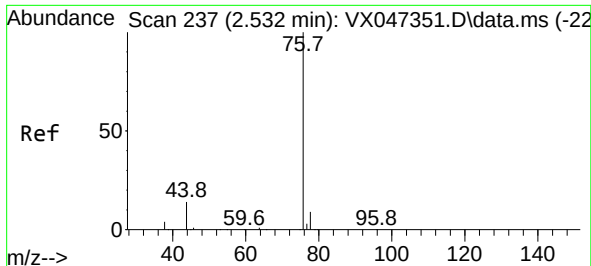
Tgt Ion: 59 Resp: 1115
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.990 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
58 60.2 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.317 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047476.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_X

ClientSampleId :

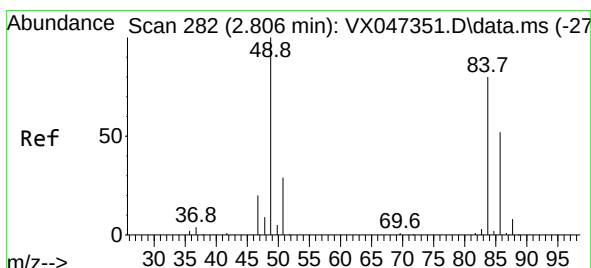
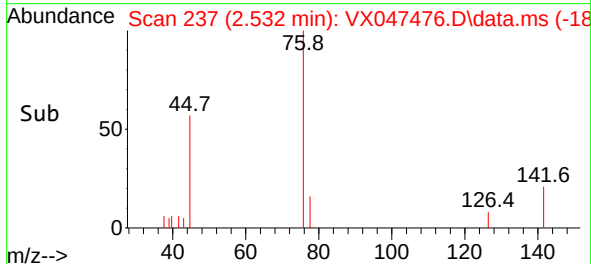
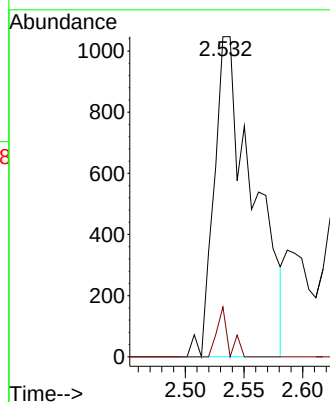
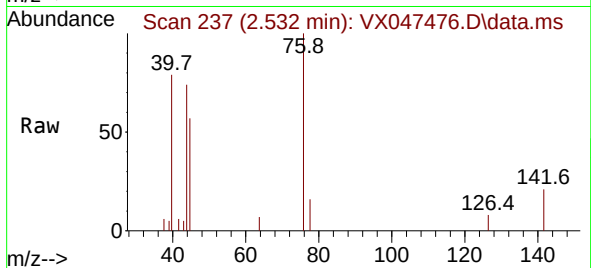
MW-1B-081925

Tgt Ion: 76 Resp: 2435

Ion Ratio Lower Upper

76 100

78 15.6 7.2 10.8#



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.794 min Scan# 280

Delta R.T. -0.012 min

Lab File: VX047476.D

Acq: 21 Aug 2025 17:17

Tgt Ion: 84 Resp: 610

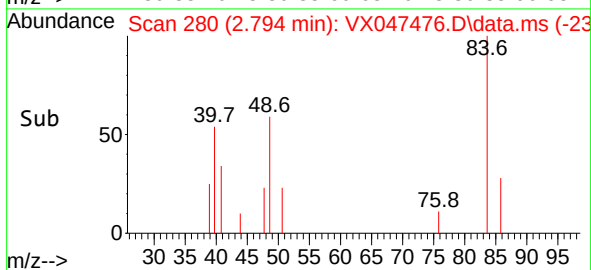
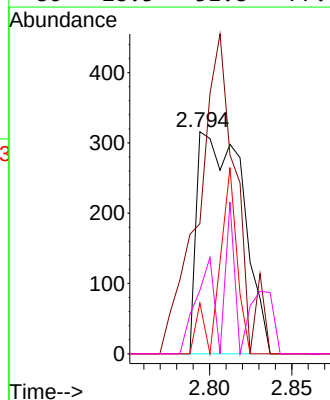
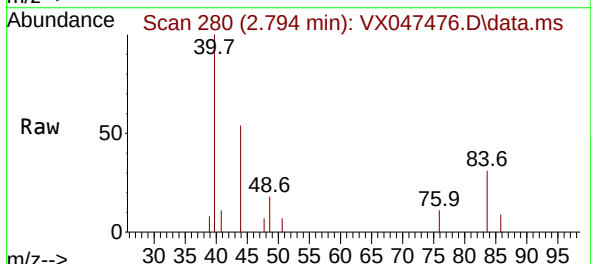
Ion Ratio Lower Upper

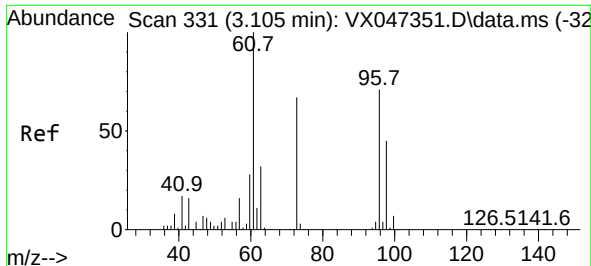
84 100

49 58.5 100.1 150.1#

51 22.8 29.5 44.3#

86 28.5 51.8 77.8#

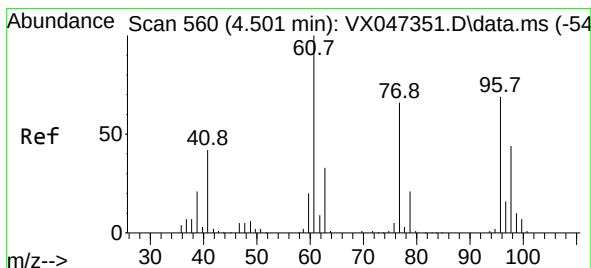
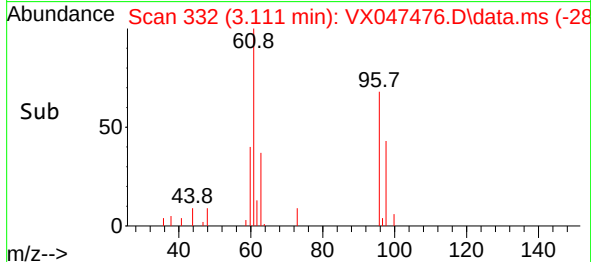
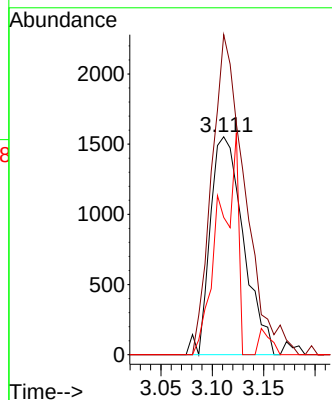
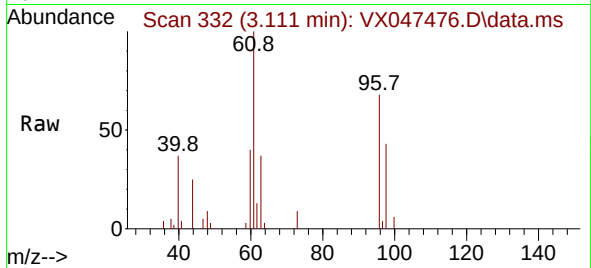




#21
trans-1,2-Dichloroethene
Concen: 1.291 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

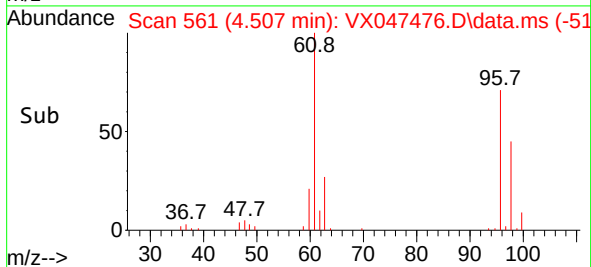
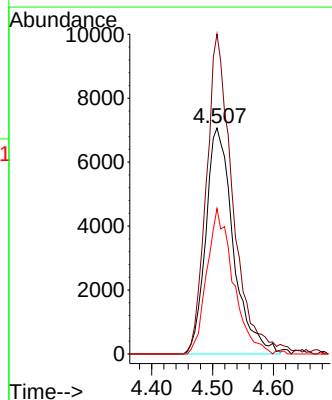
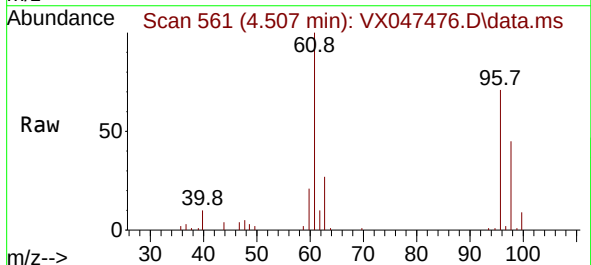
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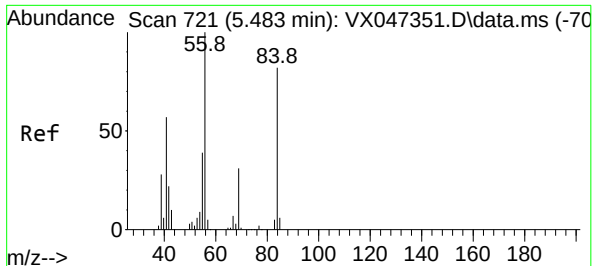
Tgt Ion: 96 Resp: 3491
Ion Ratio Lower Upper
96 100
61 137.8 112.6 169.0
98 59.1 50.9 76.3



#27
cis-1,2-Dichloroethene
Concen: 7.033 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

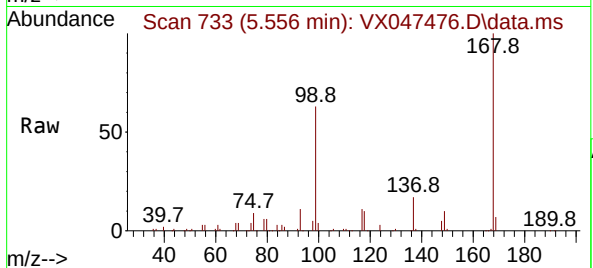
Tgt Ion: 96 Resp: 22147
Ion Ratio Lower Upper
96 100
61 136.4 0.0 296.6
98 61.8 0.0 130.4



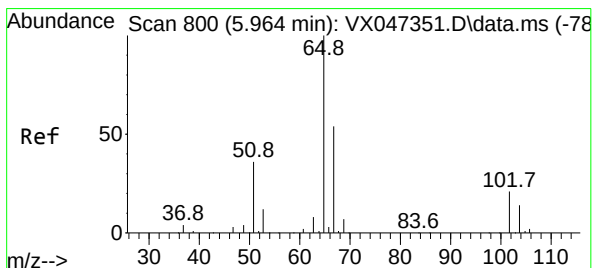
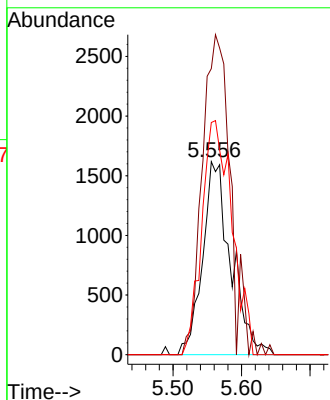
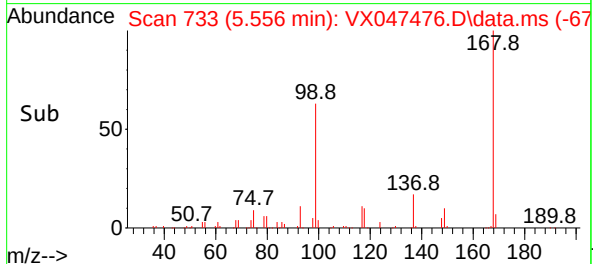


#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
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ClientSampleId :
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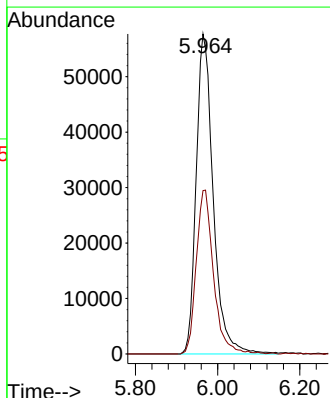
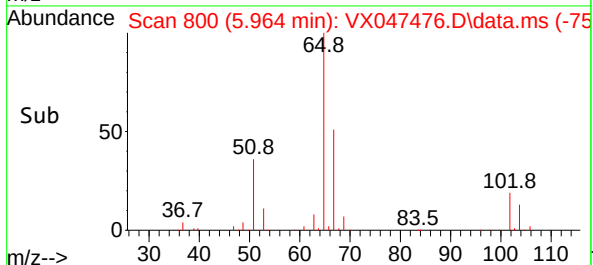
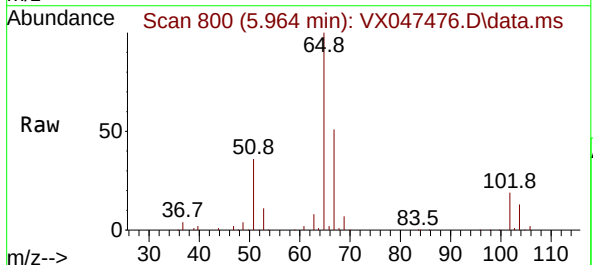


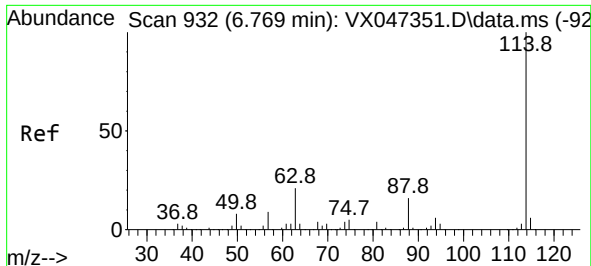
Tgt Ion: 56 Resp: 4668
Ion Ratio Lower Upper
56 100
69 148.3 24.3 36.5#
84 120.3 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 58.587 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 65 Resp: 165893
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.0

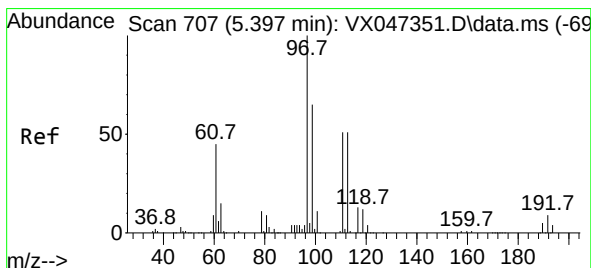
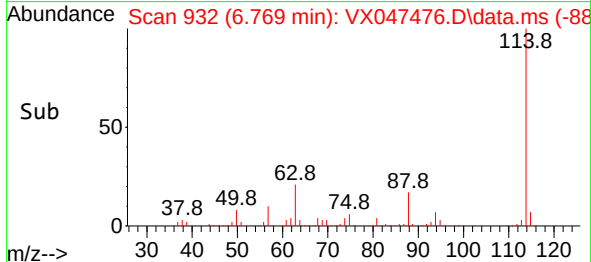
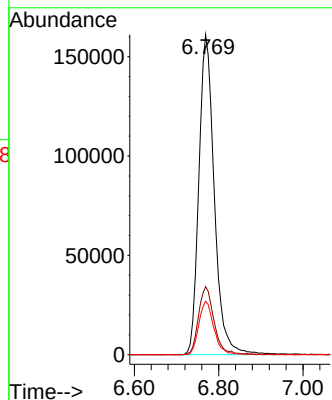
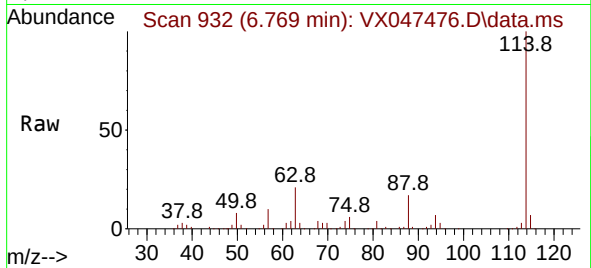




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX047476.D
 Acq: 21 Aug 2025 17:17

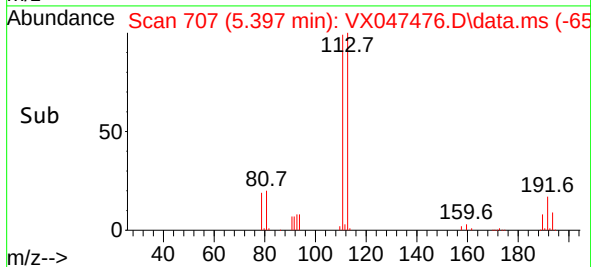
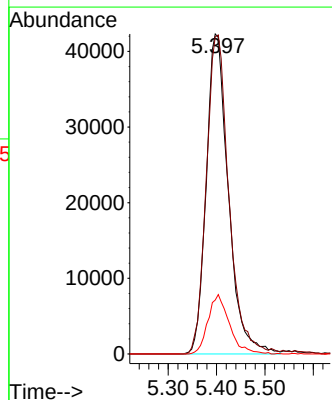
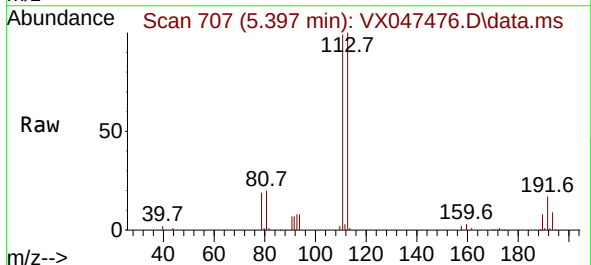
Instrument :
 MSVOA_X
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 MW-1B-081925

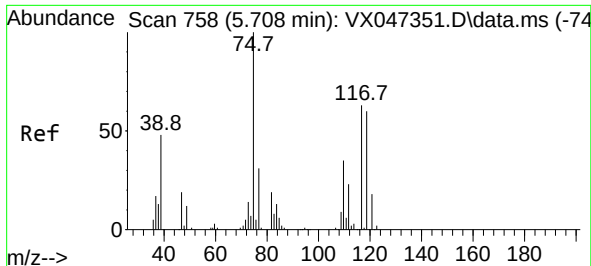
Tgt Ion:114 Resp: 410659
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 16.7 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.341 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VX047476.D
 Acq: 21 Aug 2025 17:17

Tgt Ion:113 Resp: 134169
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.4 122.2
 192 18.0 14.1 21.1

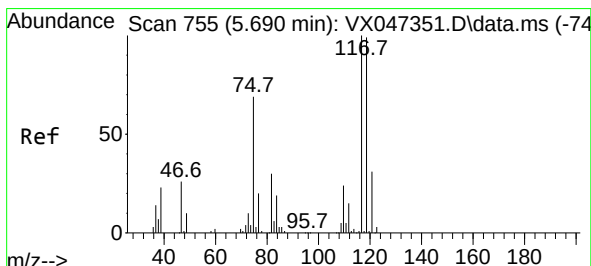
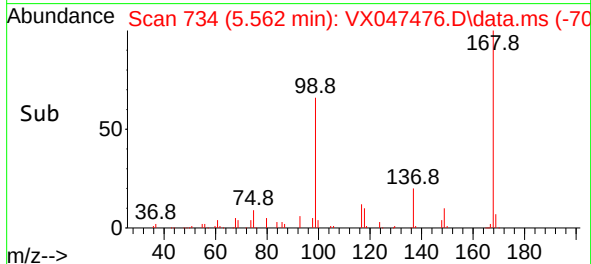
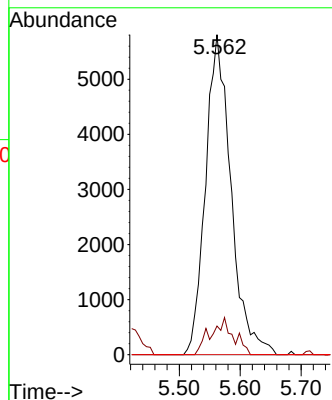
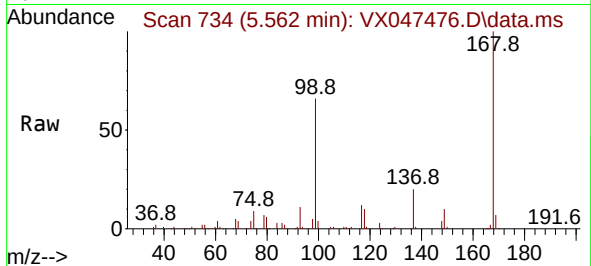




#36
1,1-Dichloropropene
Concen: 4.008 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

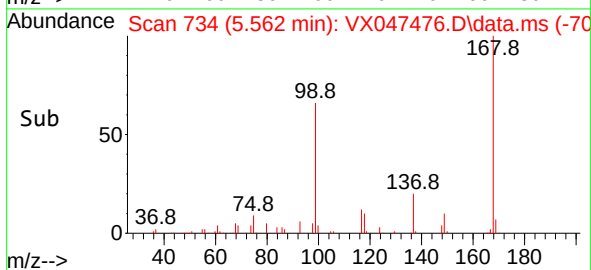
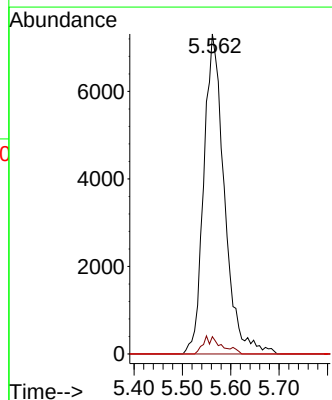
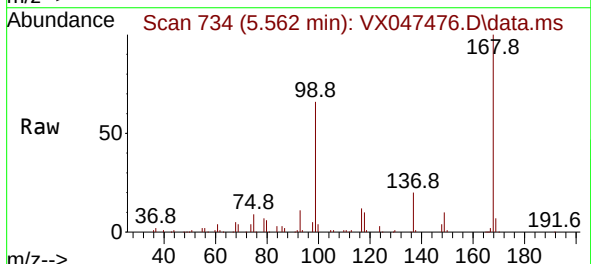
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

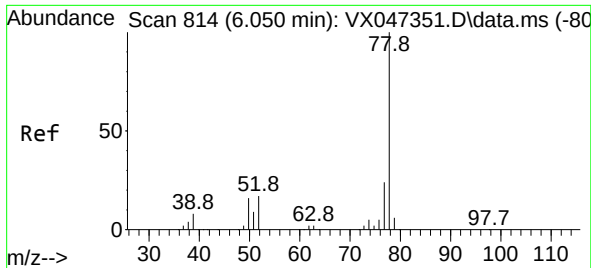
Tgt Ion: 75 Resp: 16861
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.719 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 117 Resp: 21696
Ion Ratio Lower Upper
117 100
119 5.4 78.5 117.7#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.309 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.000 min

Lab File: VX047476.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_X

ClientSampleId :

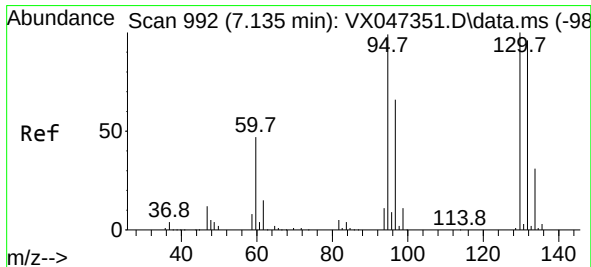
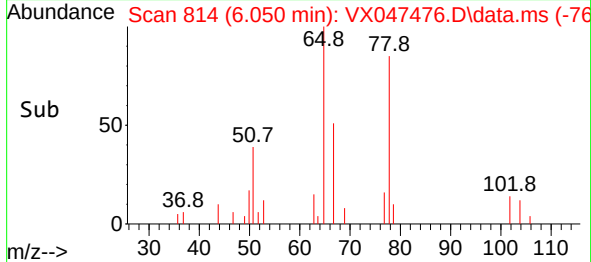
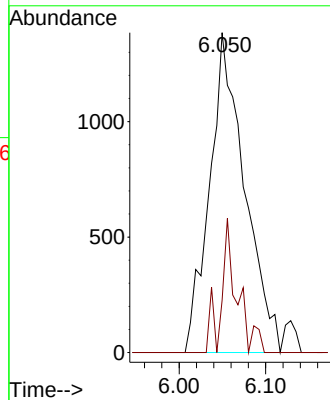
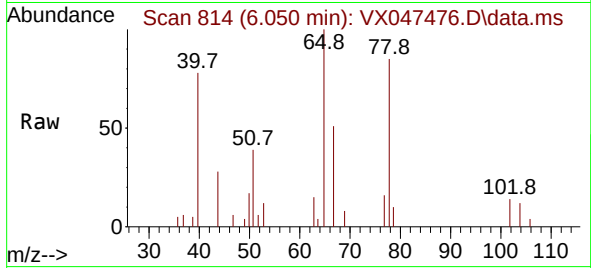
MW-1B-081925

Tgt Ion: 78 Resp: 3896

Ion Ratio Lower Upper

78 100

77 16.4 19.0 28.4#



#44

Trichloroethene

Concen: 9.257 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX047476.D

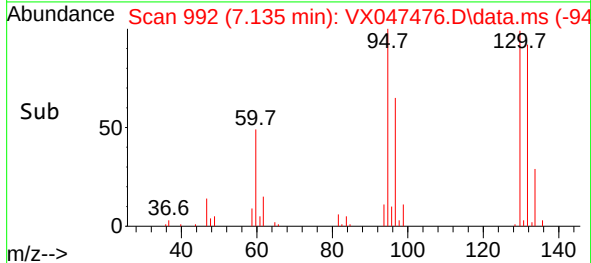
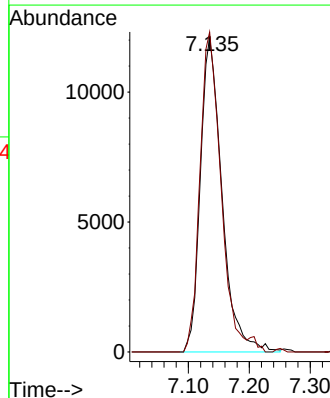
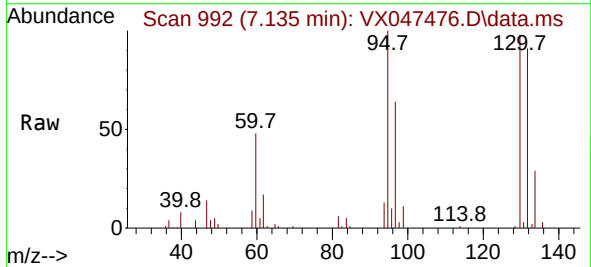
Acq: 21 Aug 2025 17:17

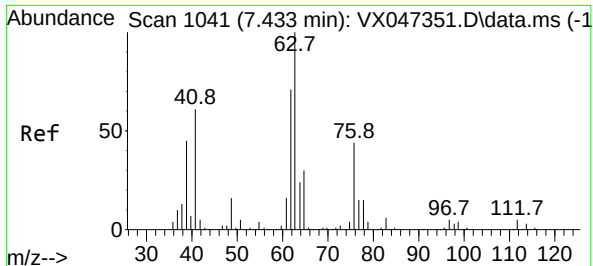
Tgt Ion:130 Resp: 29849

Ion Ratio Lower Upper

130 100

95 101.7 0.0 198.6





#45

1,2-Dichloropropane

Concen: 0.516 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VX047476.D

Acq: 21 Aug 2025 17:17

Instrument :

MSVOA_X

ClientSampleId :

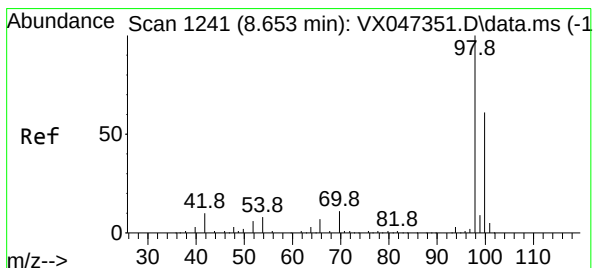
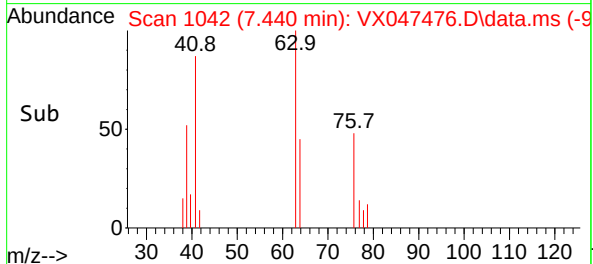
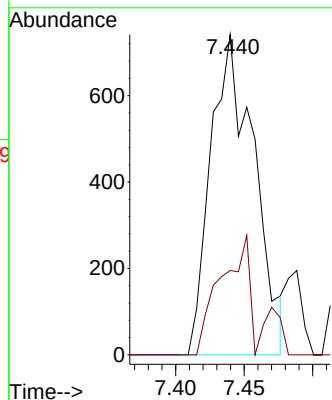
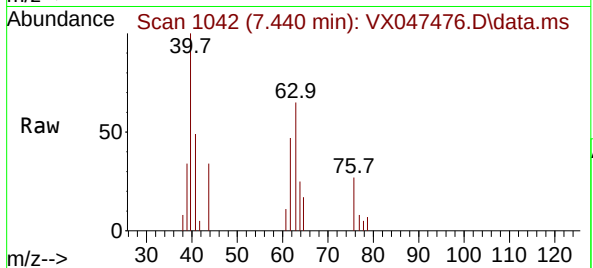
MW-1B-081925

Tgt Ion: 63 Resp: 1628

Ion Ratio Lower Upper

63 100

65 26.3 23.8 35.6



#50

Toluene-d8

Concen: 48.968 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047476.D

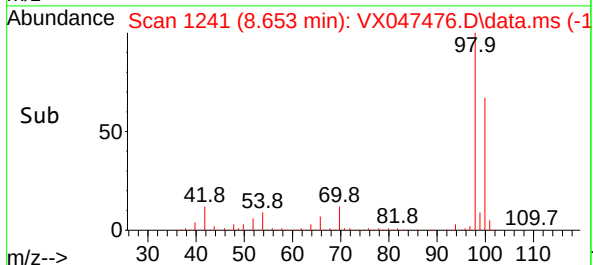
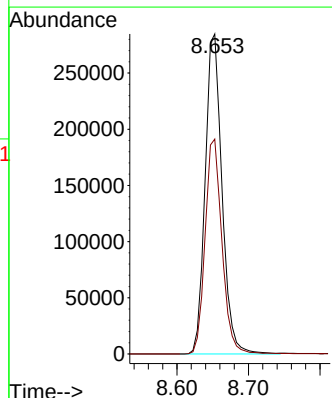
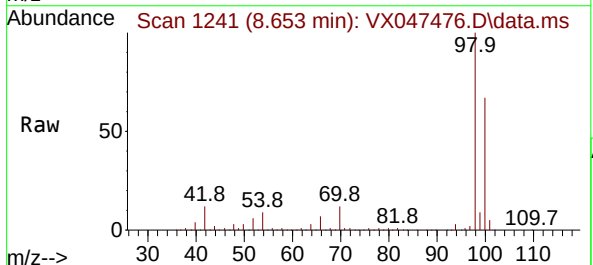
Acq: 21 Aug 2025 17:17

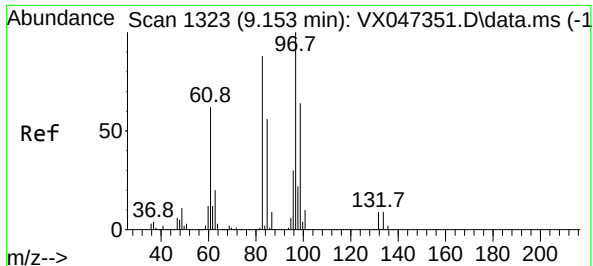
Tgt Ion: 98 Resp: 466477

Ion Ratio Lower Upper

98 100

100 67.2 53.9 80.9

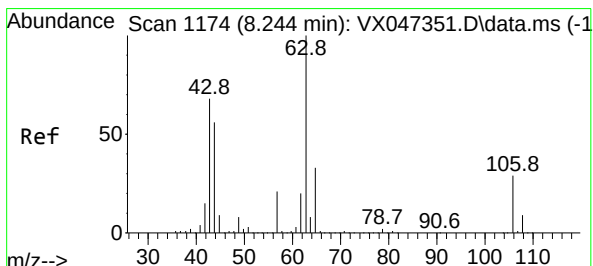
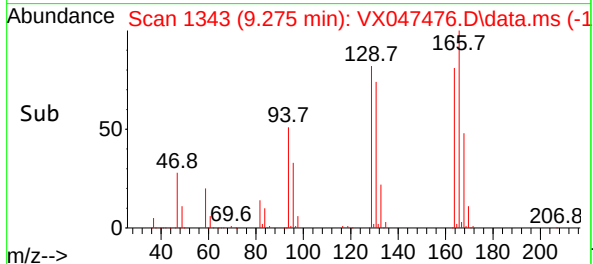
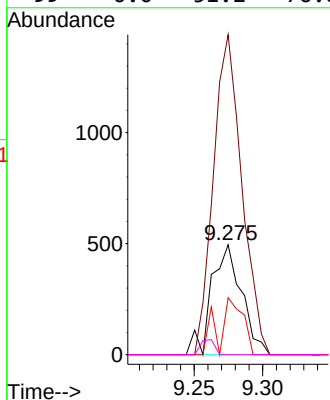
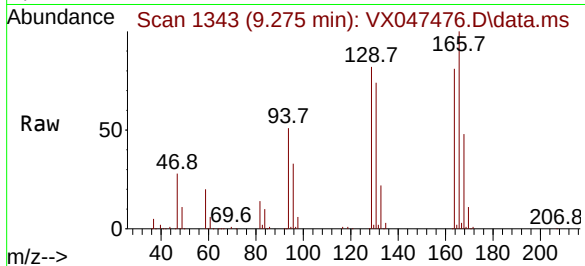




#55
 1,1,2-Trichloroethane
 Concen: 0.256 ug/l
 RT: 9.275 min Scan# 1176
 Delta R.T. 0.122 min
 Lab File: VX047476.D
 Acq: 21 Aug 2025 17:17

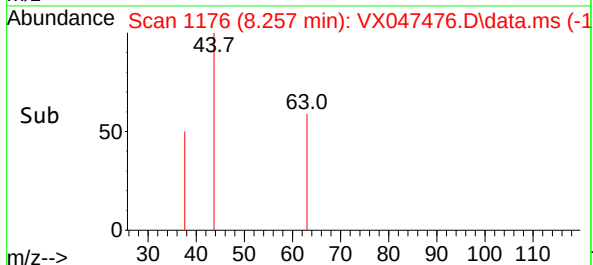
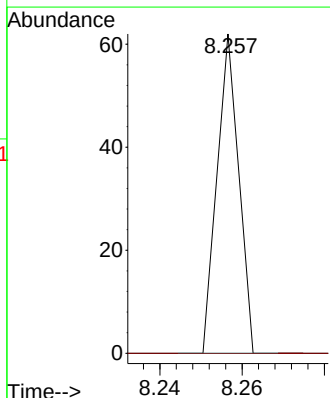
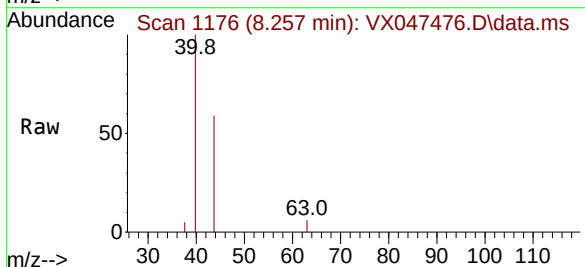
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1B-081925

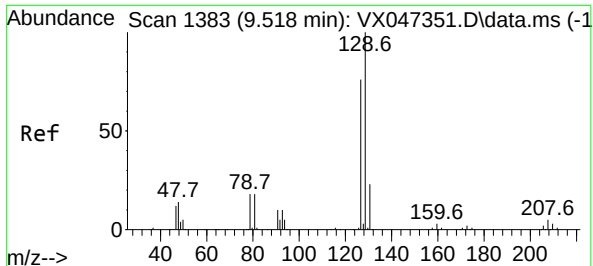
Tgt Ion: 97 Resp: 756
 Ion Ratio Lower Upper
 97 100
 83 291.1 70.6 106.0#
 85 51.9 44.7 67.1
 99 0.0 51.2 76.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 8.366 ug/l
 RT: 8.257 min Scan# 1176
 Delta R.T. 0.012 min
 Lab File: VX047476.D
 Acq: 21 Aug 2025 17:17

Tgt Ion: 63 Resp: 23
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.8 34.2#

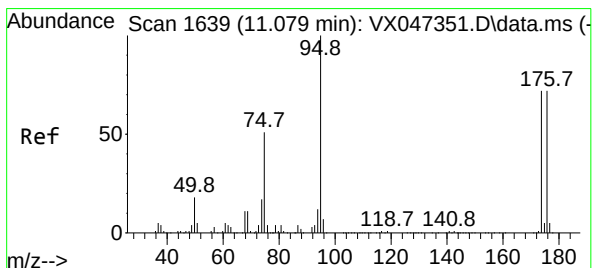
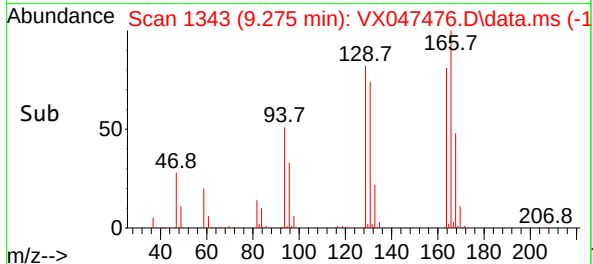
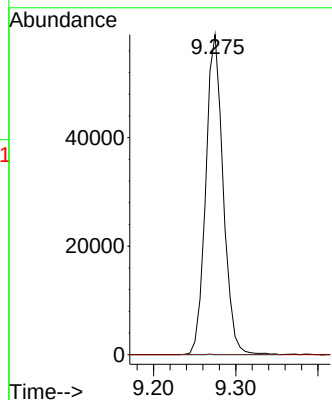
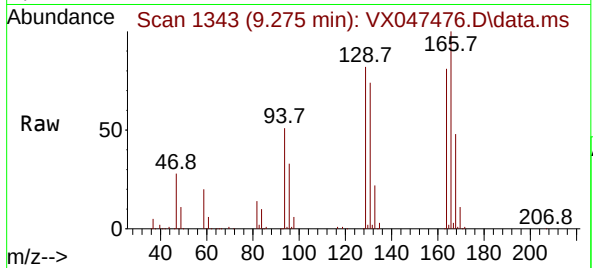




#60
Dibromochloromethane
Concen: 24.683 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

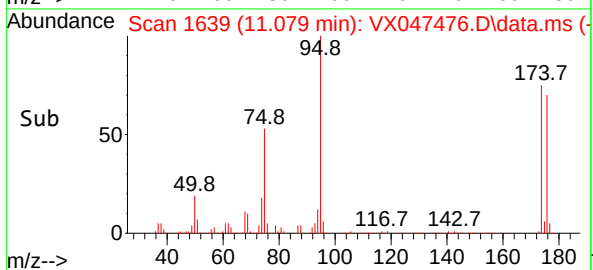
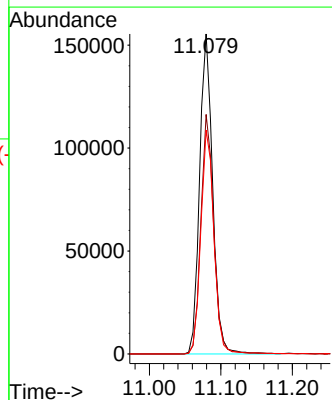
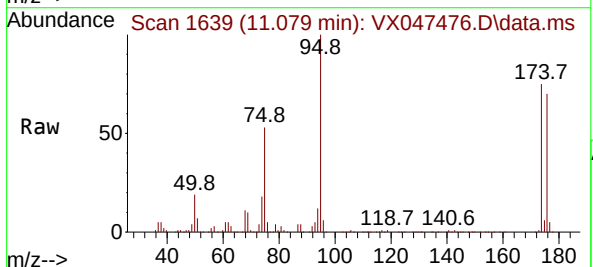
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

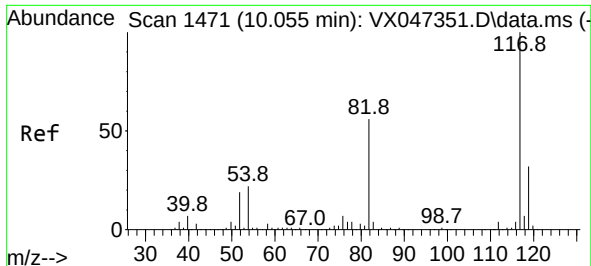
Tgt Ion:129 Resp: 86665
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 55.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 95 Resp: 196710
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.0
176 70.1 0.0 145.4

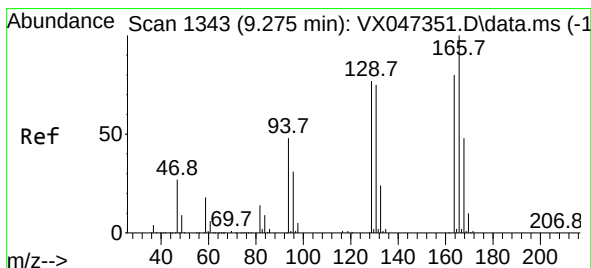
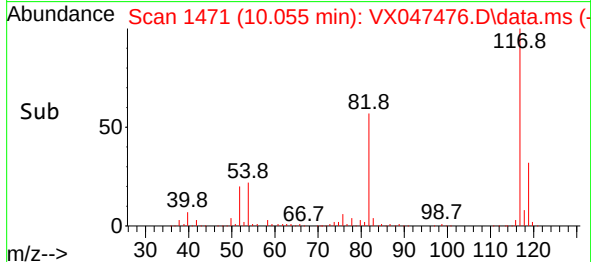
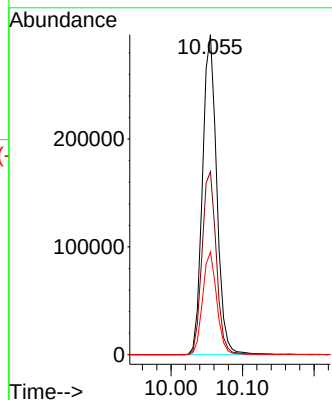
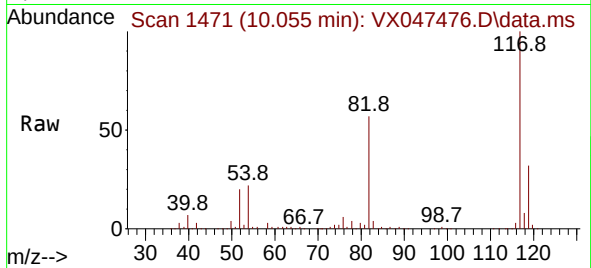




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

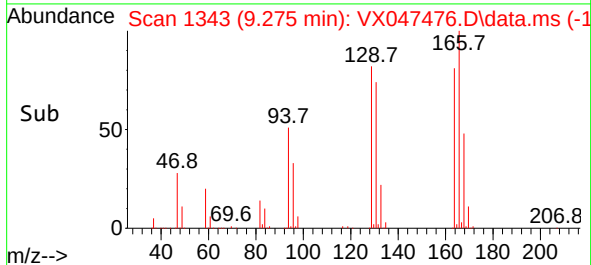
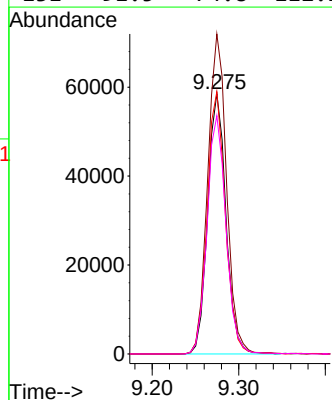
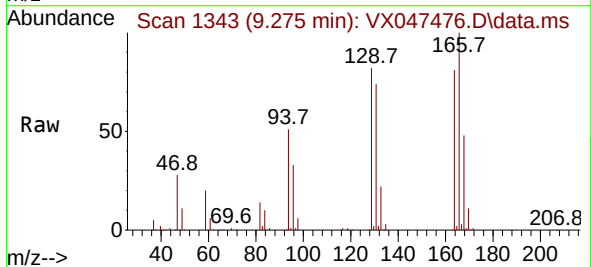
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

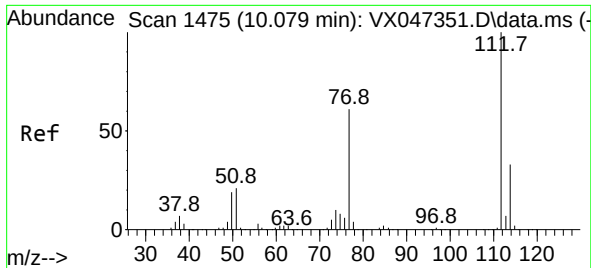
Tgt Ion:117 Resp: 411448
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 28.888 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:164 Resp: 85974
Ion Ratio Lower Upper
164 100
166 122.9 100.3 150.5
129 100.7 77.7 116.5
131 91.5 74.8 112.2

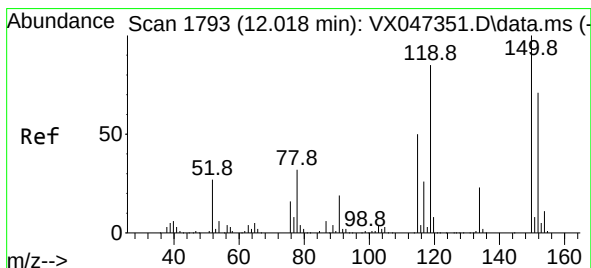
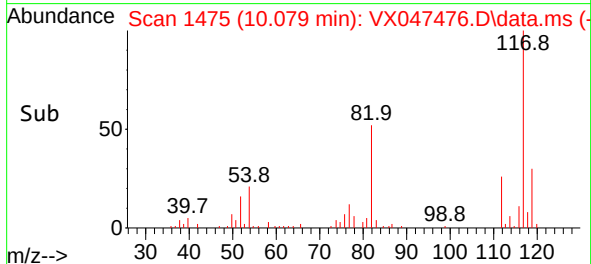
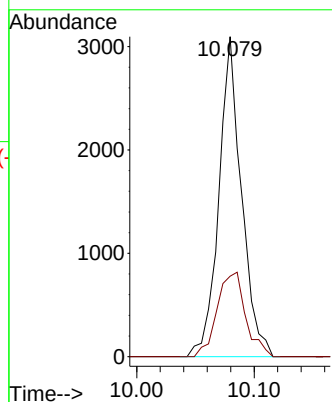
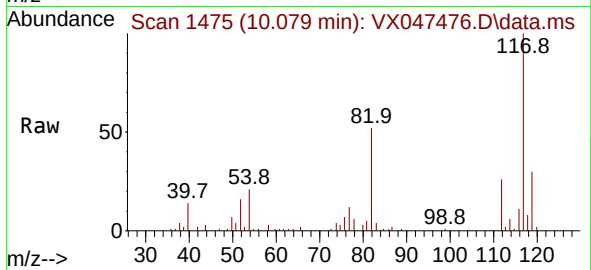




#65
Chlorobenzene
Concen: 0.424 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

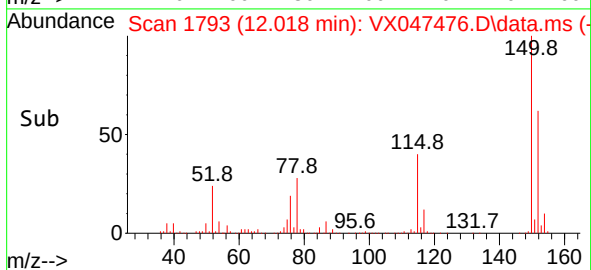
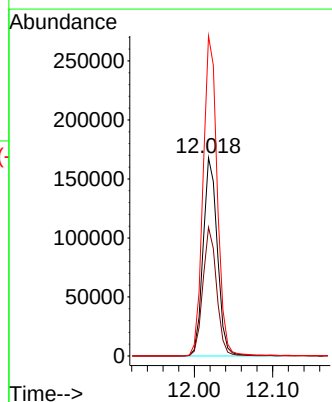
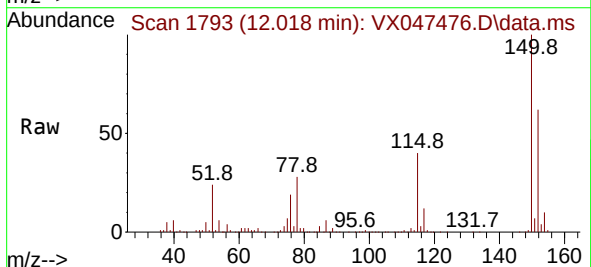
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

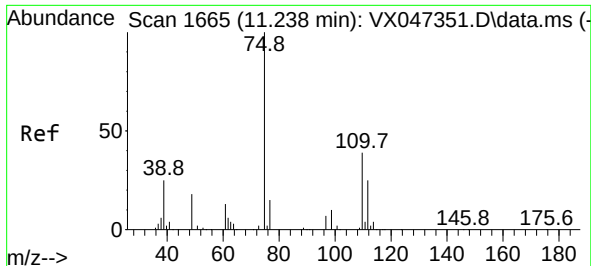
Tgt Ion:112 Resp: 4144
Ion Ratio Lower Upper
112 100
114 25.2 26.4 39.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:152 Resp: 211647
Ion Ratio Lower Upper
152 100
115 62.7 44.6 133.8
150 161.6 0.0 349.8

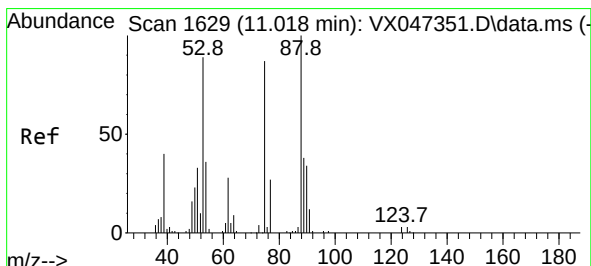
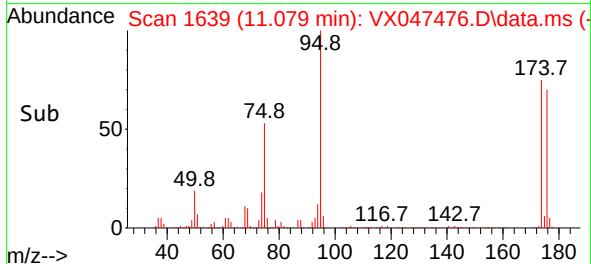
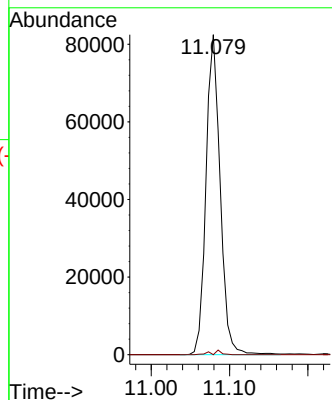
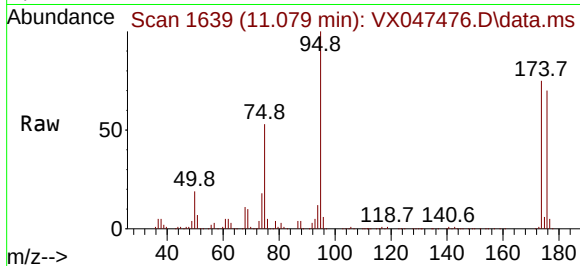




#76
1,2,3-Trichloropropane
Concen: 26.567 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

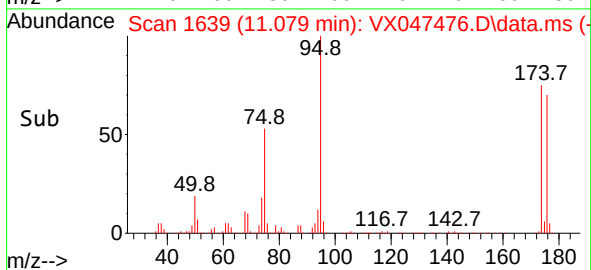
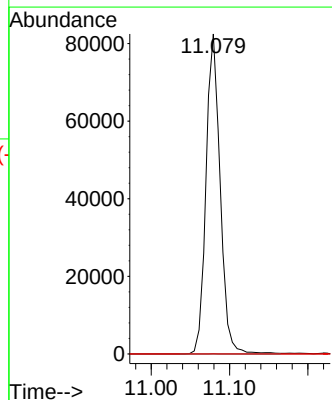
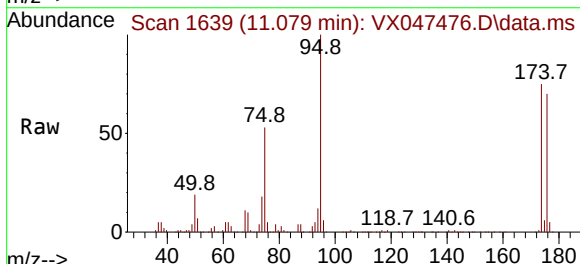
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

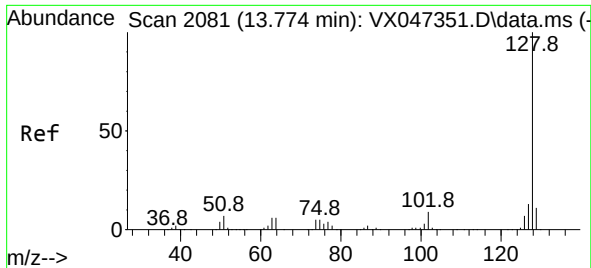
Tgt Ion: 75 Resp: 103127
Ion Ratio Lower Upper
75 100
77 0.9 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

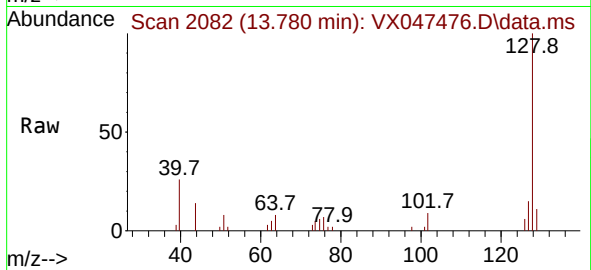
Tgt Ion: 75 Resp: 103127
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#95
Naphthalene
Concen: 0.444 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925



Tgt Ion:	128	Resp:	6240
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.1	15.1
129	10.4	8.7	13.1

