

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047480.D
 Acq On : 21 Aug 2025 18:42
 Operator : JC/MD
 Sample : Q2903-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-081925

Quant Time: Aug 22 03:53:33 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	5.562	168	256554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	524902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	528456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	280646	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	213963	59.591	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.180%#	
35) Dibromofluoromethane	5.397	113	175254	51.444	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.880%	
50) Toluene-d8	8.653	98	628435	51.611	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	11.079	95	268749	59.811	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.620%	

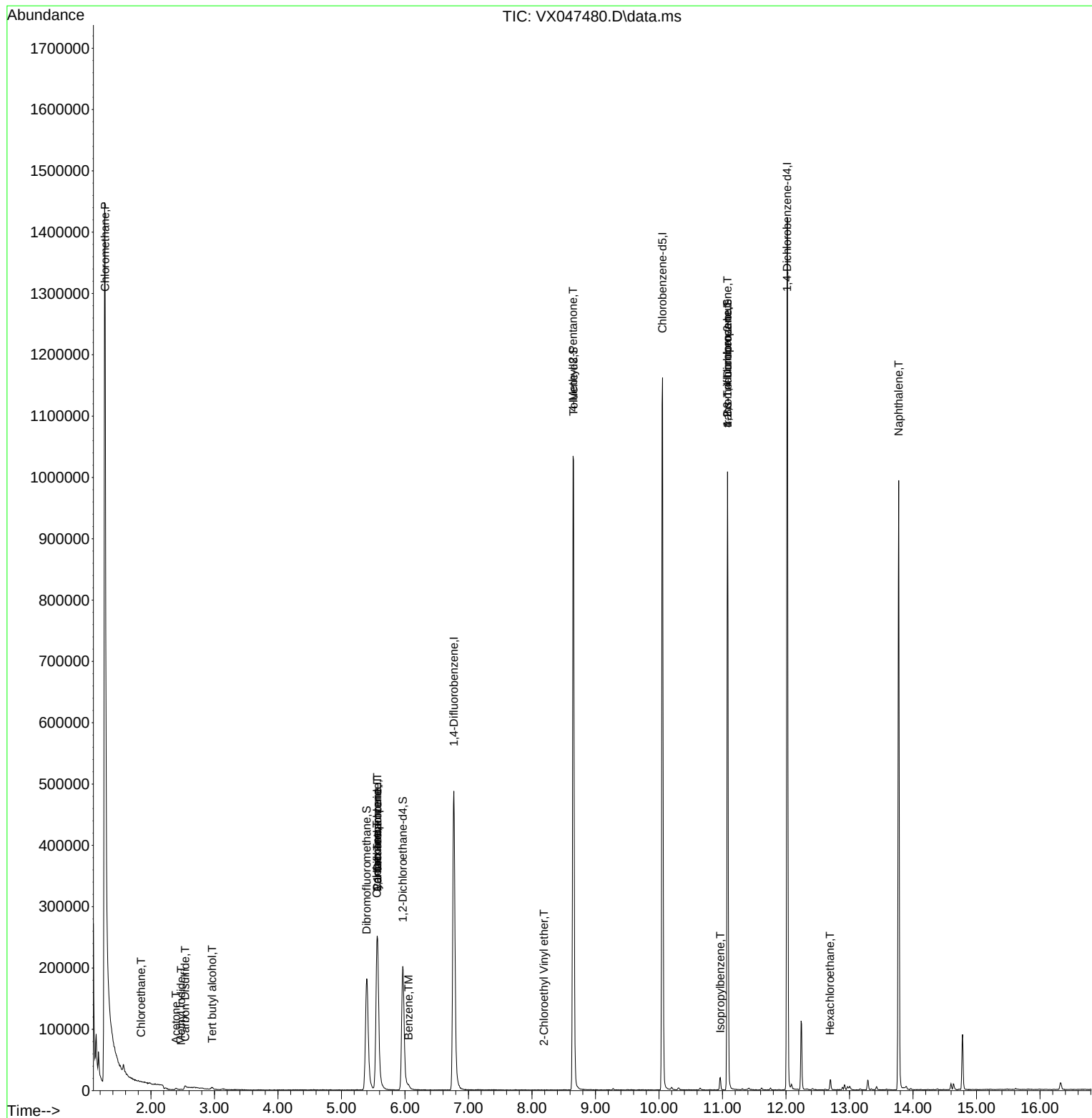
Target Compounds					Qvalue	
3) Chloromethane	1.276	50	53547	18.200	ug/l #	42
6) Chloroethane	1.843	64	3672	1.625	ug/l #	44
10) Methyl Iodide	2.477	142	1171	0.216	ug/l #	68
11) Tert butyl alcohol	2.965	59	1622	5.193	ug/l #	72
16) Acetone	2.392	43	4044	2.996	ug/l	100
17) Carbon Disulfide	2.538	76	11199	1.149	ug/l	99
31) Cyclohexane	5.556	56	5446	0.942	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22491	4.182	ug/l #	49
38) Carbon Tetrachloride	5.562	117	27904	4.748	ug/l #	14
40) Benzene	6.056	78	6951	0.432	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	3148	0.682	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.190	63	37	8.369	ug/l #	46
73) Isopropylbenzene	10.964	105	10541	0.480	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	139959	27.190	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	139959	107.465	ug/l #	7
90) Hexachloroethane	12.695	117	7667	2.311	ug/l #	15
95) Naphthalene	13.774	128	583259	31.307	ug/l	100

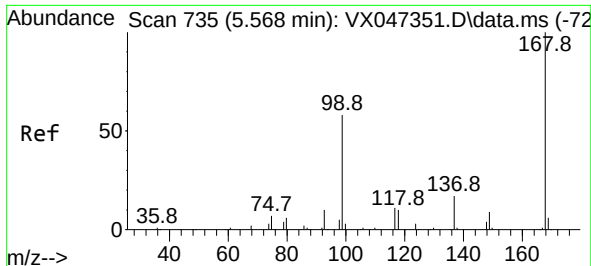
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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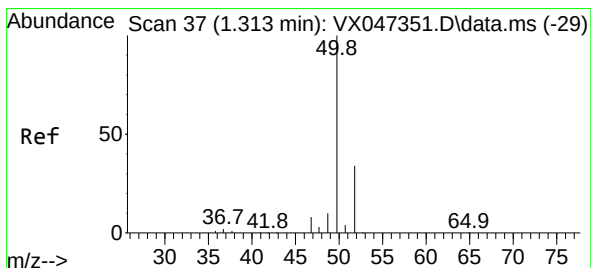
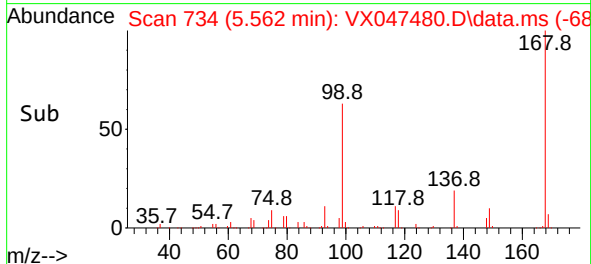
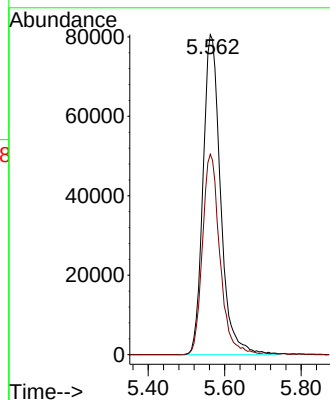
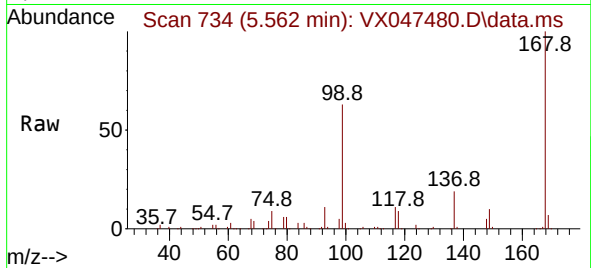




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

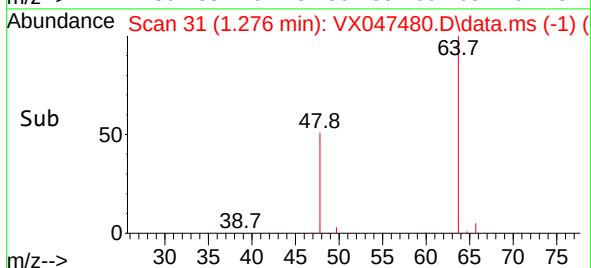
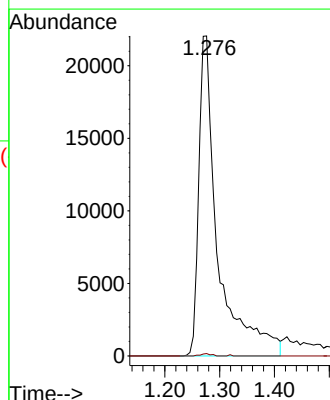
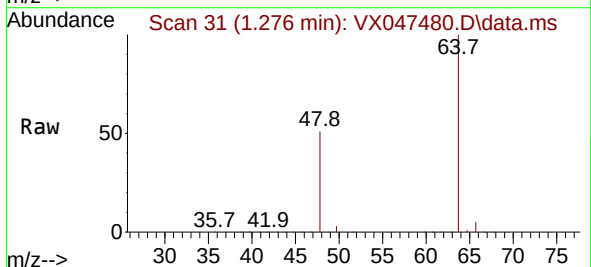
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

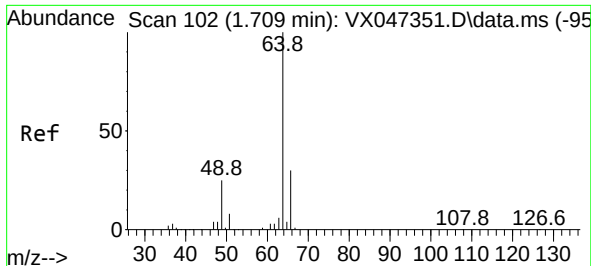
Tgt Ion:168 Resp: 256554
Ion Ratio Lower Upper
168 100
99 62.6 47.9 71.9



#3
Chloromethane
Concen: 18.200 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 50 Resp: 53547
Ion Ratio Lower Upper
50 100
52 0.7 27.0 40.4#

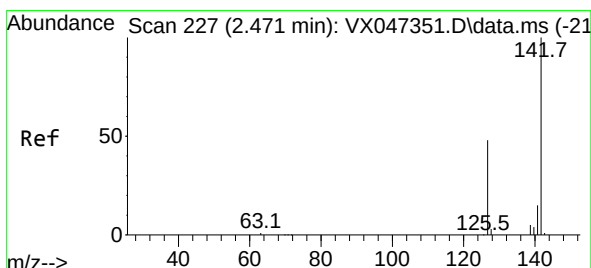
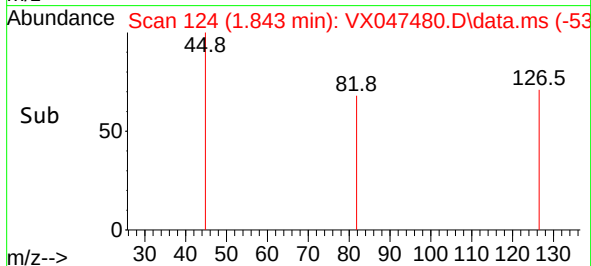
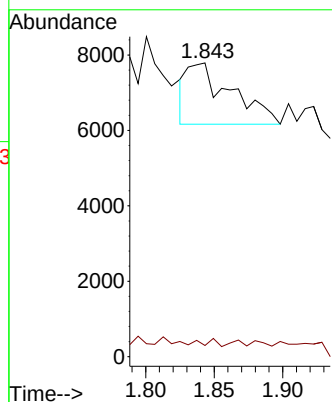
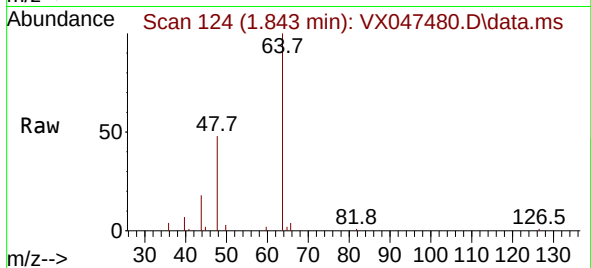




#6
Chloroethane
Concen: 1.625 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

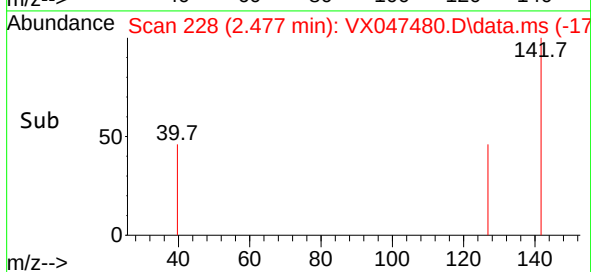
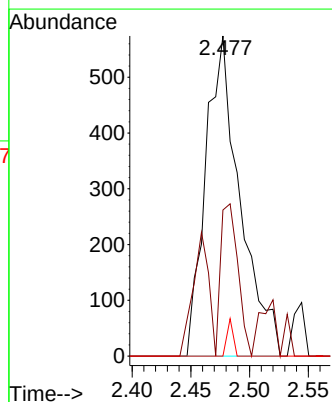
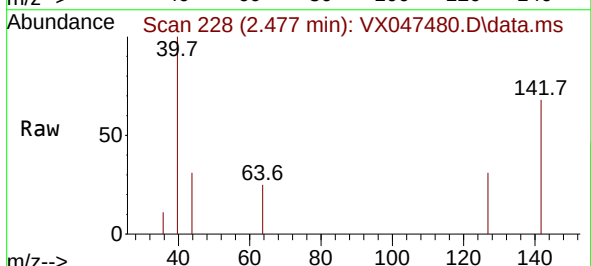
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

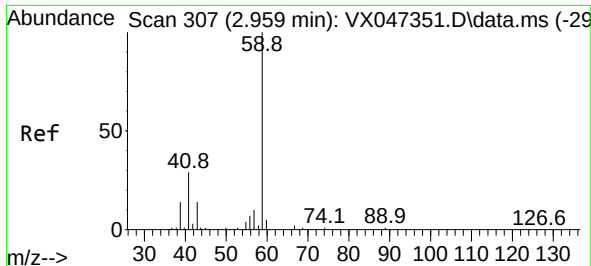
Tgt Ion: 64 Resp: 3672
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.216 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion:142 Resp: 1171
Ion Ratio Lower Upper
142 100
127 23.9 36.1 54.1#
141 2.1 11.1 16.7#

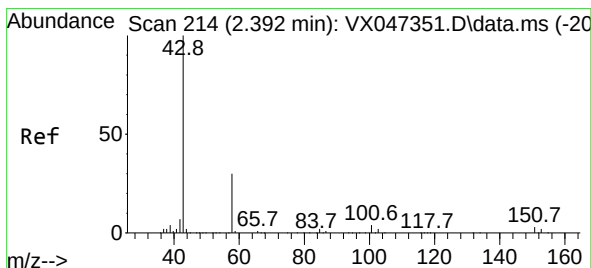
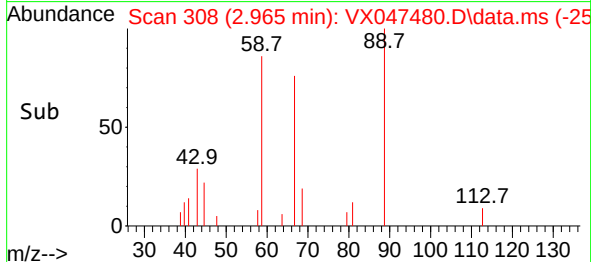
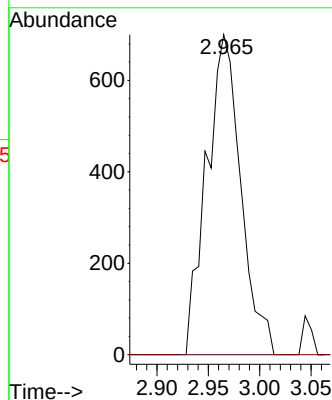
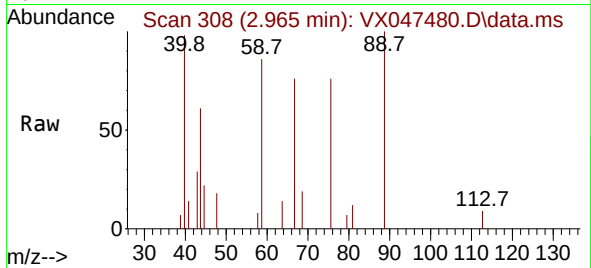




#11
Tert butyl alcohol
Concen: 5.193 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

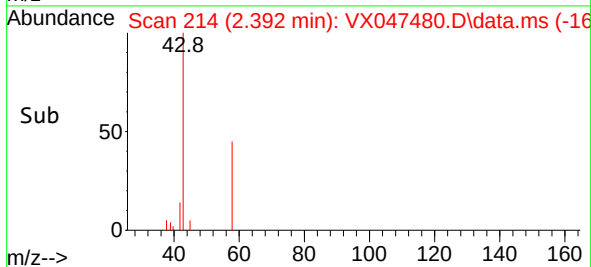
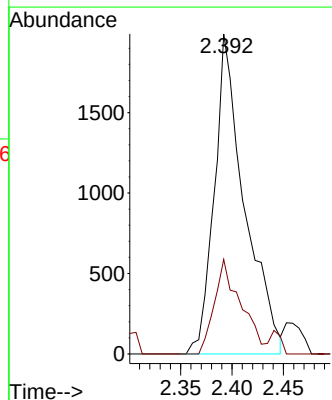
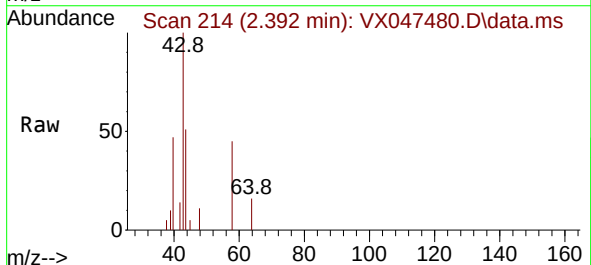
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

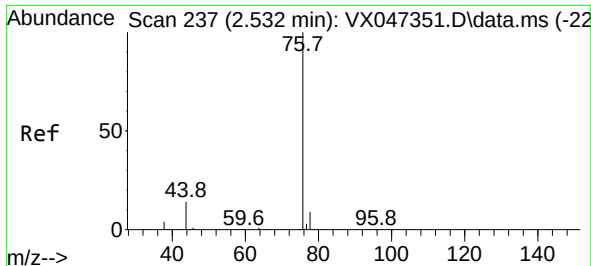
Tgt Ion: 59 Resp: 1622
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.996 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
58 31.2 24.8 37.2





#17

Carbon Disulfide

Concen: 1.149 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047480.D

Acq: 21 Aug 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

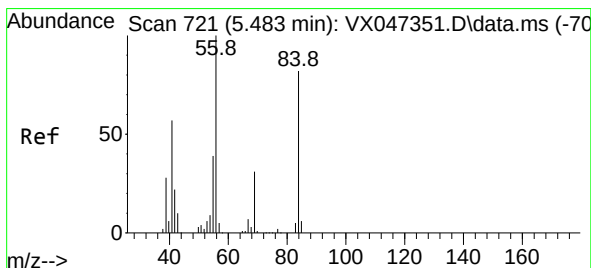
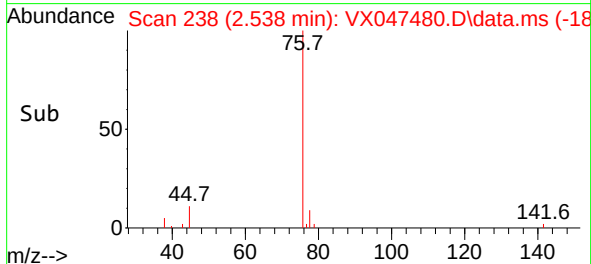
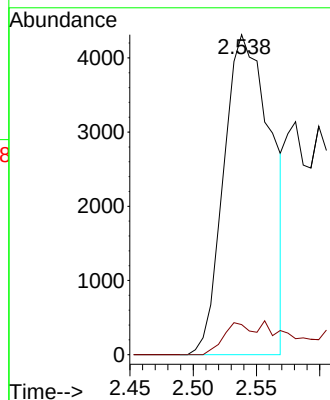
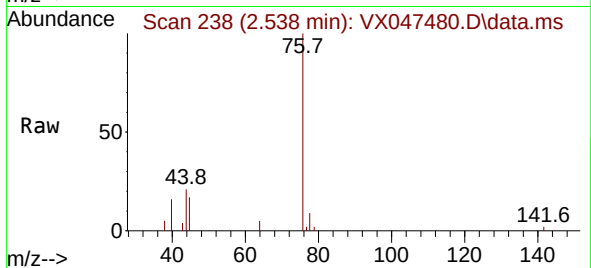
MW-18B-081925

Tgt Ion: 76 Resp: 11199

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#31

Cyclohexane

Concen: 0.942 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047480.D

Acq: 21 Aug 2025 18:42

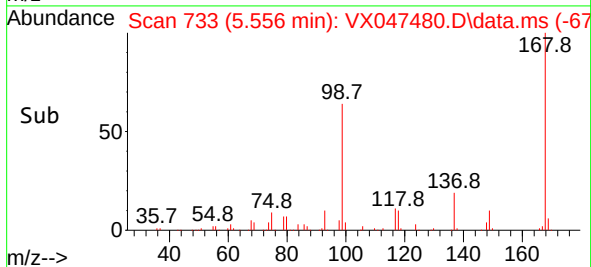
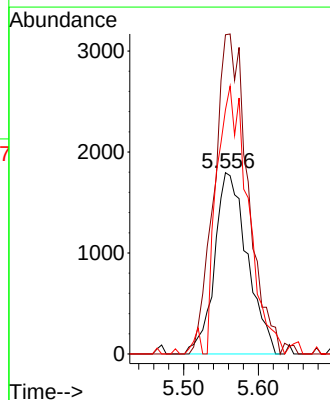
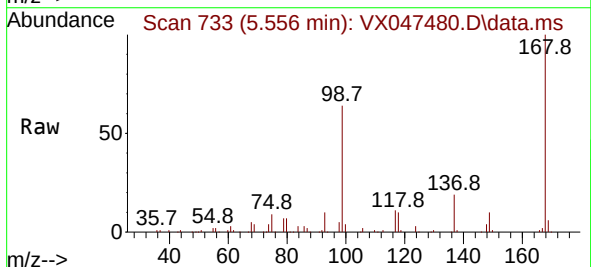
Tgt Ion: 56 Resp: 5446

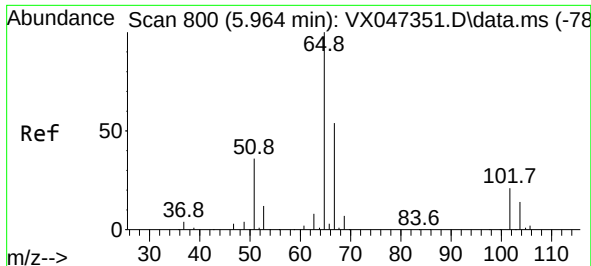
Ion Ratio Lower Upper

56 100

69 163.6 24.3 36.5#

84 125.2 65.3 97.9#

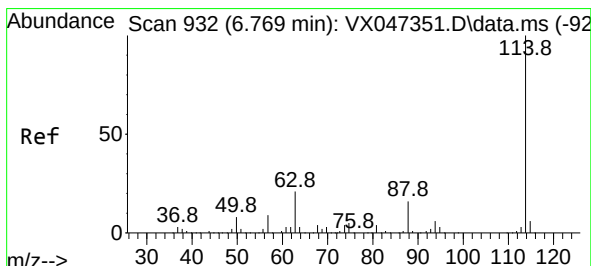
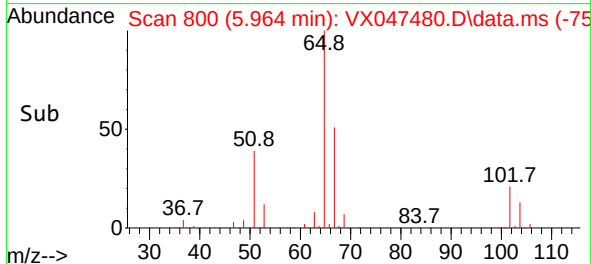
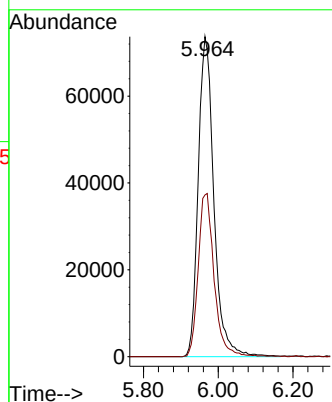
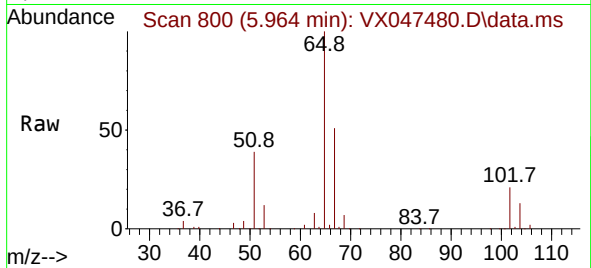




#33
 1,2-Dichloroethane-d4
 Concen: 59.591 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047480.D
 Acq: 21 Aug 2025 18:42

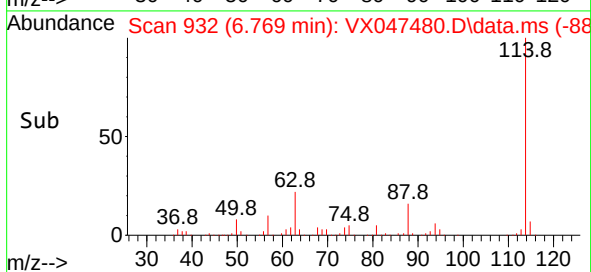
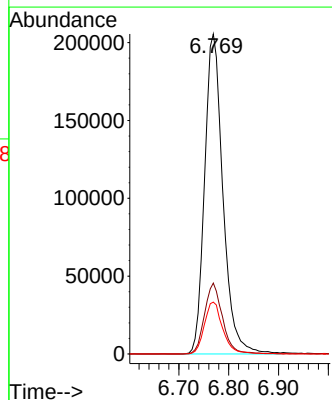
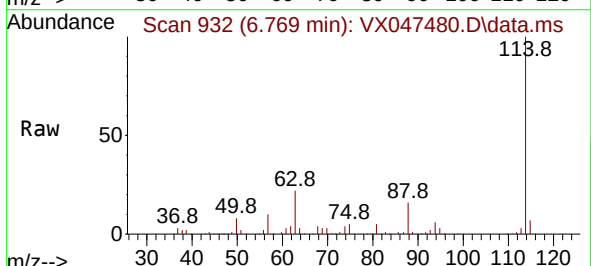
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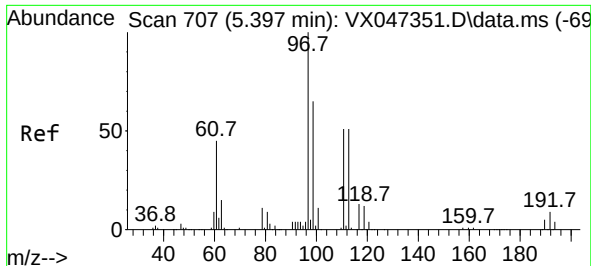
Tgt Ion: 65 Resp: 213963
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047480.D
 Acq: 21 Aug 2025 18:42

Tgt Ion: 114 Resp: 524902
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.4
 88 16.2 0.0 33.0

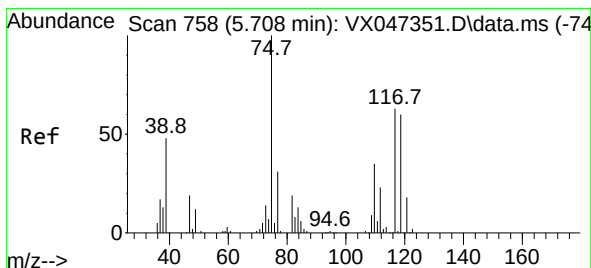
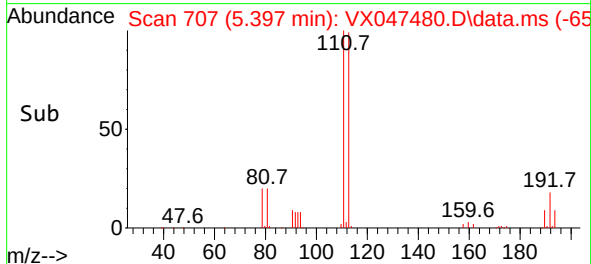
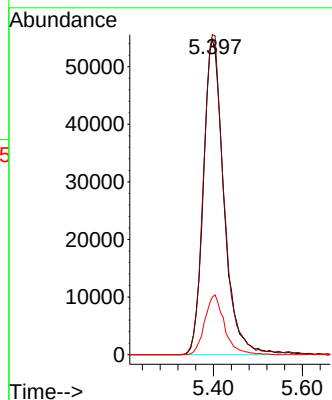
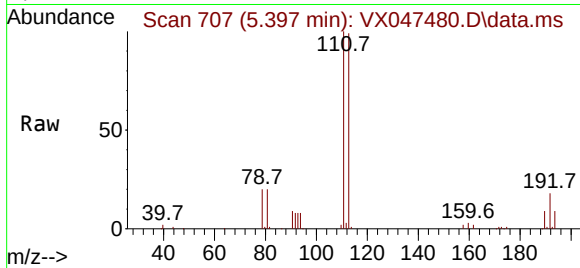




#35
Dibromofluoromethane
Concen: 51.444 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

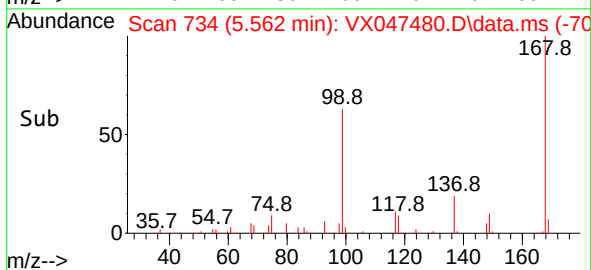
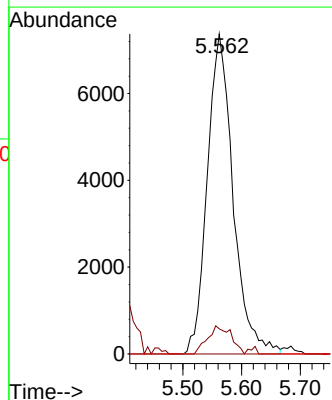
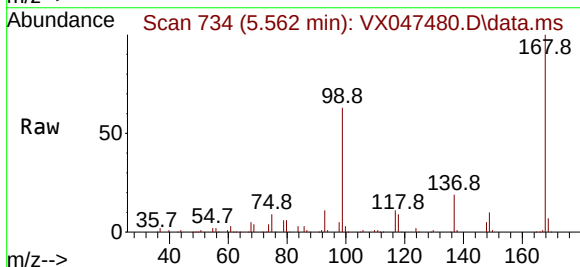
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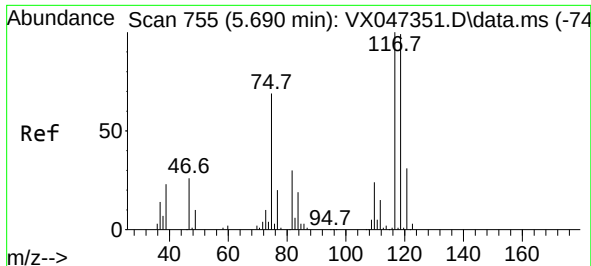
Tgt Ion:113 Resp: 175254
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.2
192 18.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.182 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

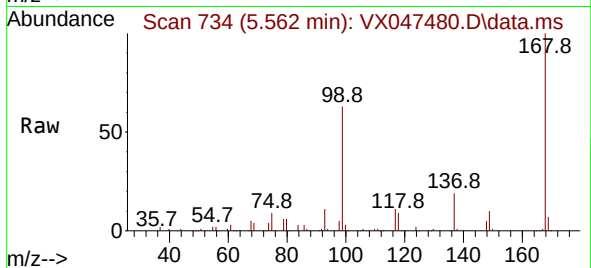
Tgt Ion: 75 Resp: 22491
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.2#
77 0.0 24.4 36.6#



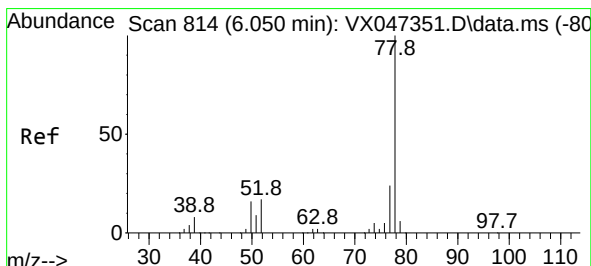
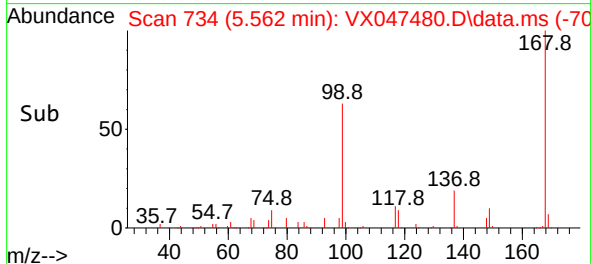
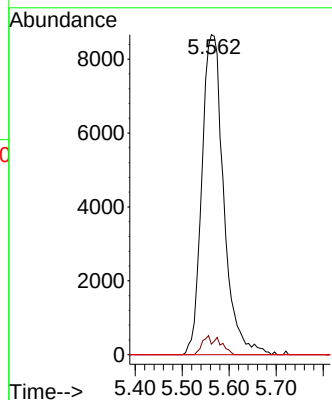


#38
Carbon Tetrachloride
Concen: 4.748 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

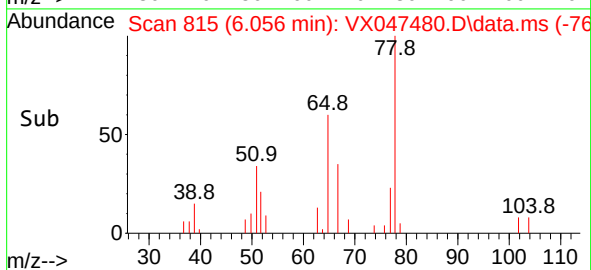
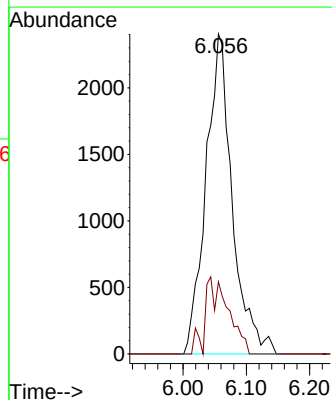
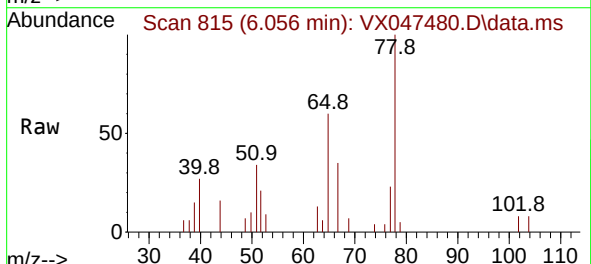


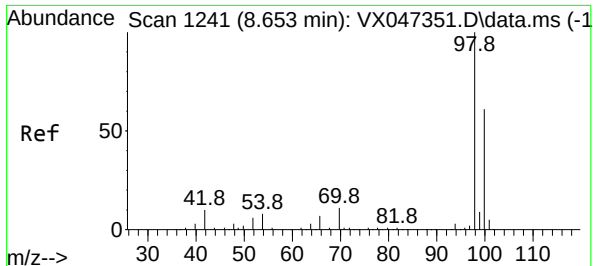
Tgt Ion:117 Resp: 27904
Ion Ratio Lower Upper
117 100
119 3.3 78.5 117.7#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 0.432 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 78 Resp: 6951
Ion Ratio Lower Upper
78 100
77 22.5 19.0 28.4

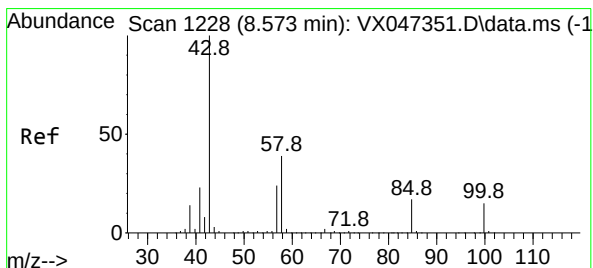
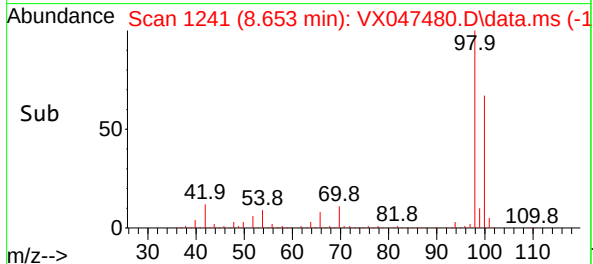
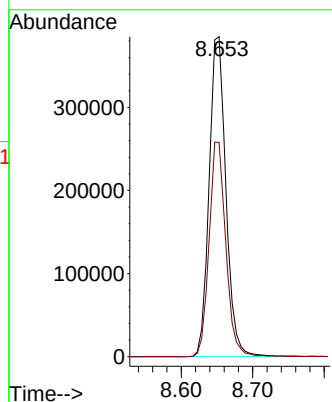
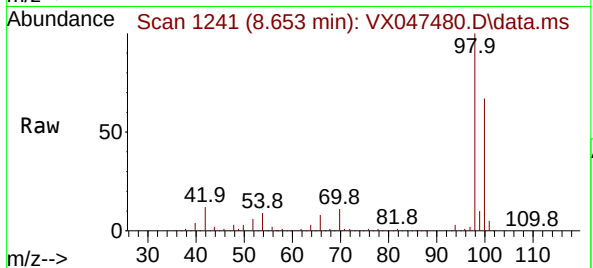




#50
Toluene-d8
Concen: 51.611 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

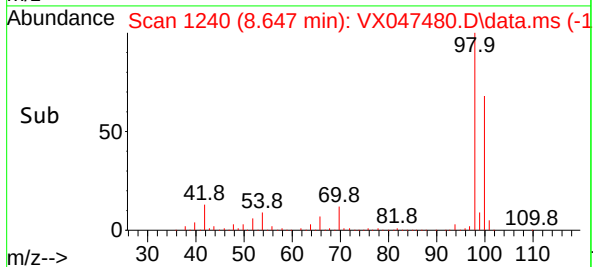
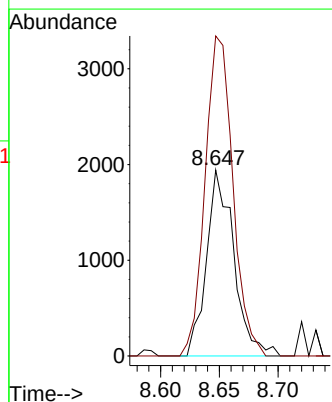
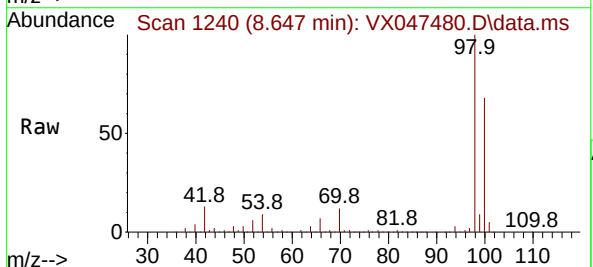
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

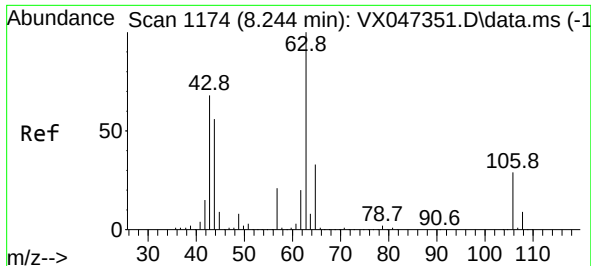
Tgt Ion: 98 Resp: 628435
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.682 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 43 Resp: 3148
Ion Ratio Lower Upper
43 100
58 175.0 31.2 46.8#

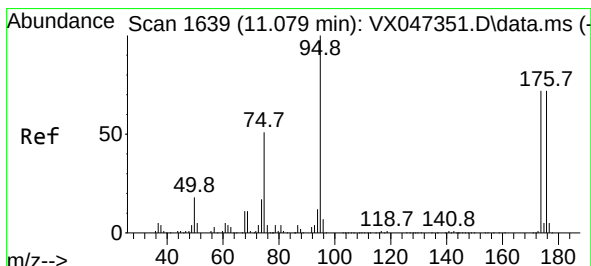
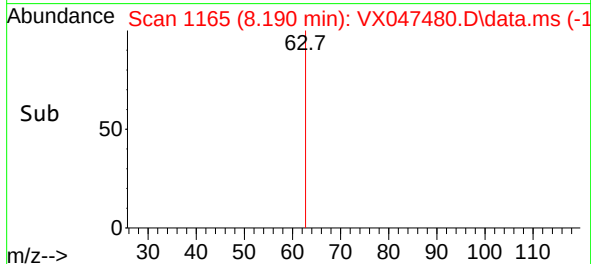
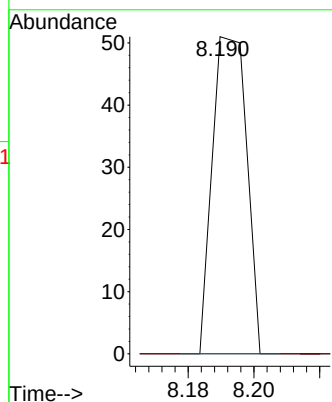
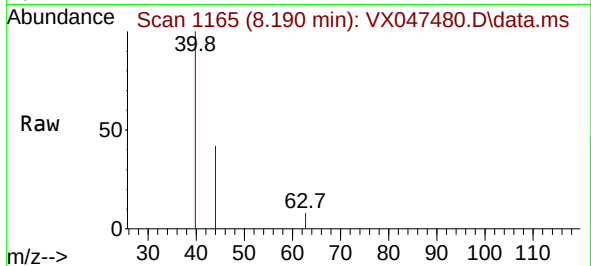




#58
2-Chloroethyl Vinyl ether
Concen: 8.369 ug/l
RT: 8.190 min Scan# 1165
Delta R.T. -0.055 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

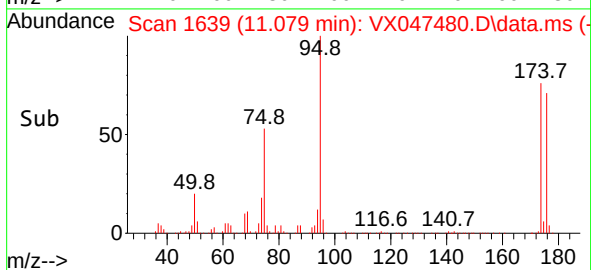
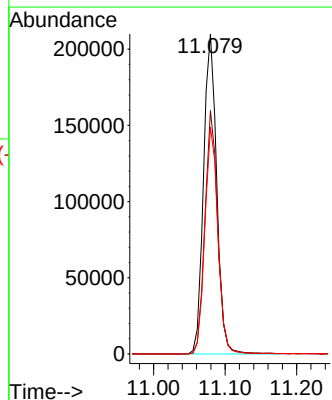
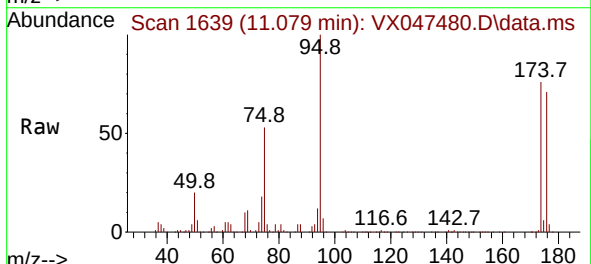
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

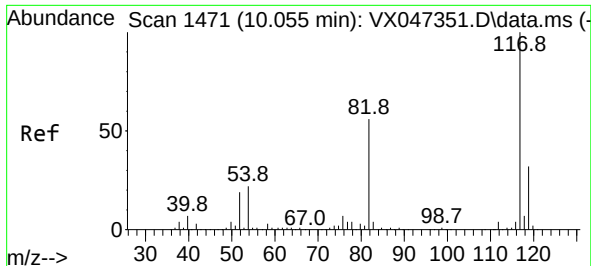
Tgt Ion: 63 Resp: 37
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 59.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 95 Resp: 268749
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.5 0.0 145.4

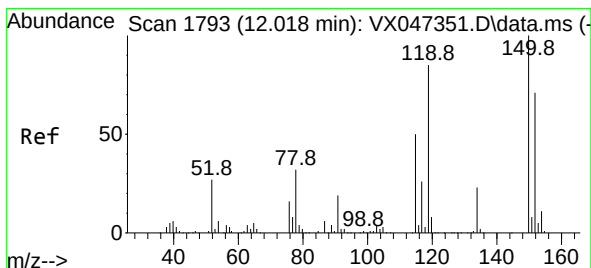
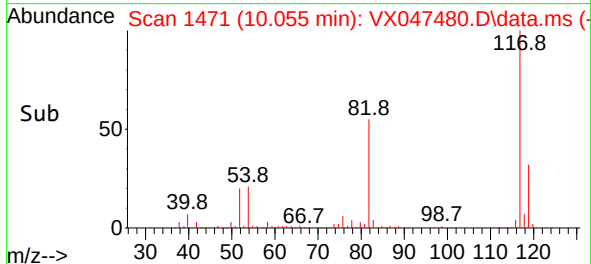
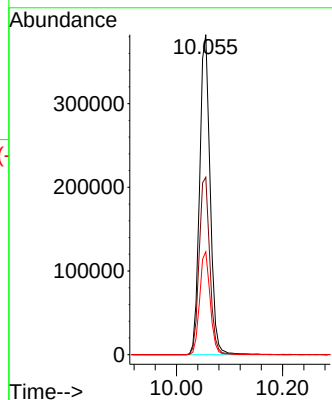
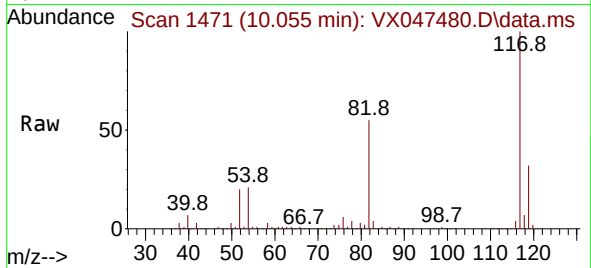




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

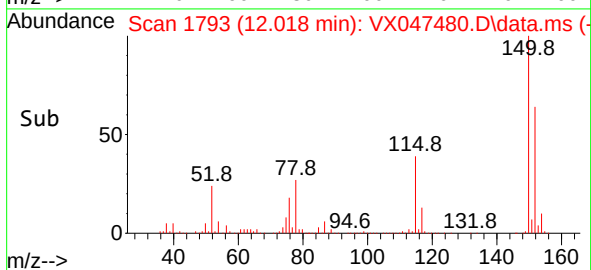
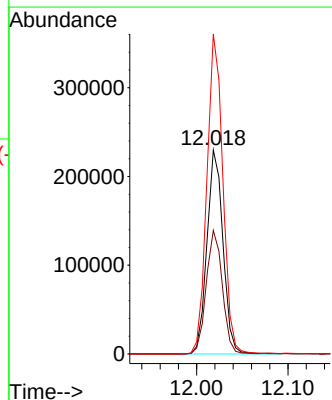
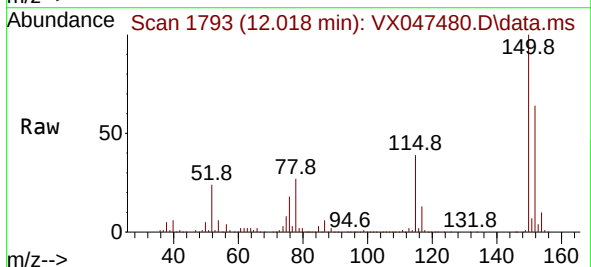
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

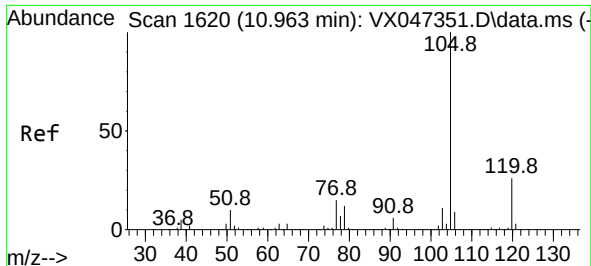
Tgt Ion:117 Resp: 528456
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion:152 Resp: 280646
Ion Ratio Lower Upper
152 100
115 61.1 44.6 133.8
150 156.0 0.0 349.8

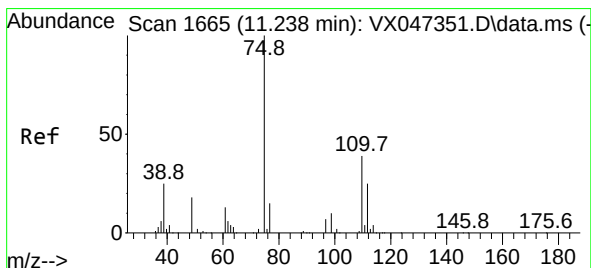
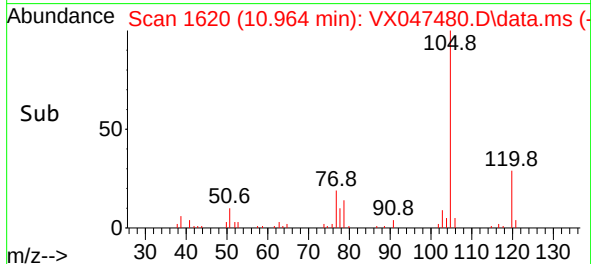
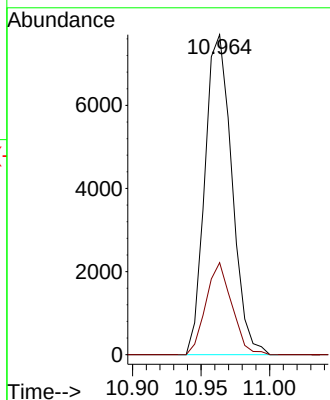
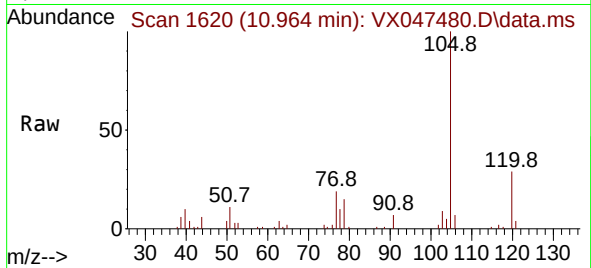




#73
Isopropylbenzene
Concen: 0.480 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

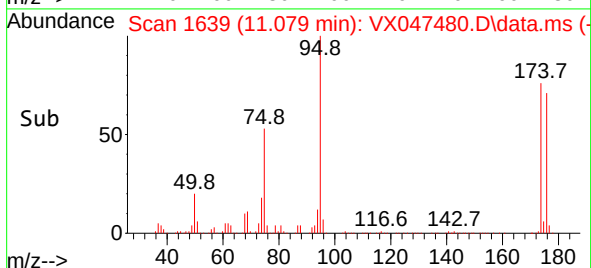
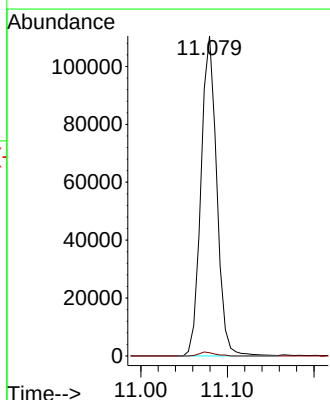
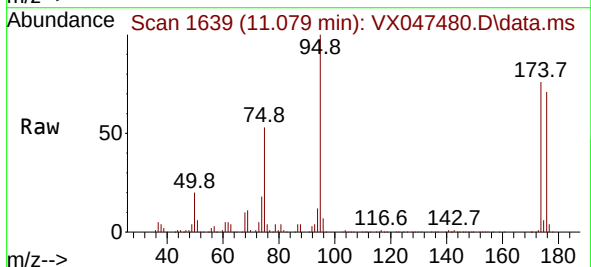
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

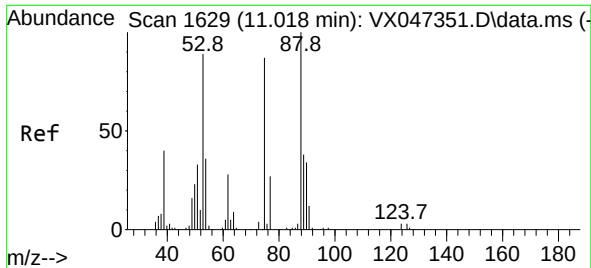
Tgt Ion:105 Resp: 10541
Ion Ratio Lower Upper
105 100
120 27.6 12.9 38.6



#76
1,2,3-Trichloropropane
Concen: 27.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 75 Resp: 139959
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

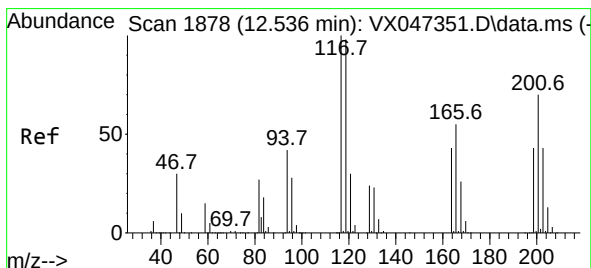
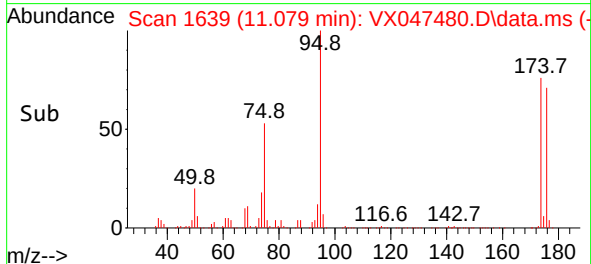
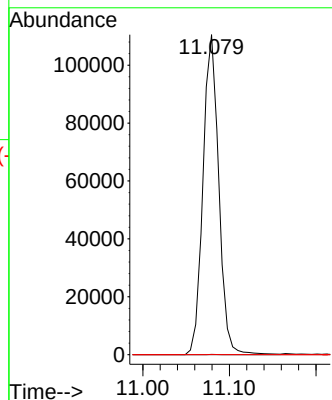
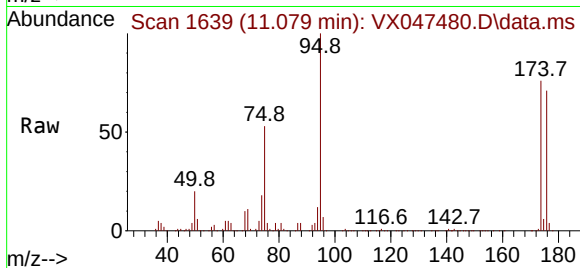




#81
trans-1,4-Dichloro-2-butene
Concen: 107.465 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

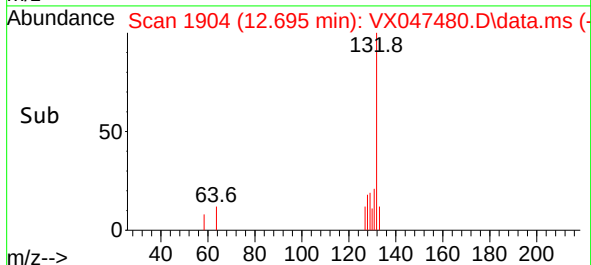
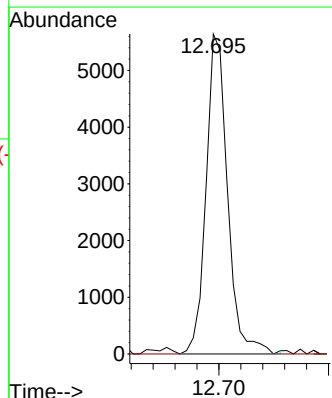
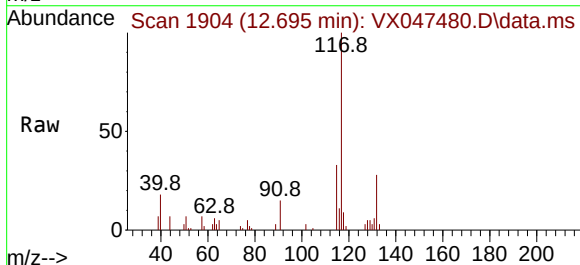
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

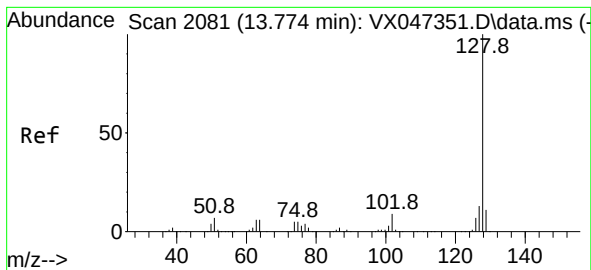
Tgt Ion: 75 Resp: 139959
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#90
Hexachloroethane
Concen: 2.311 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.159 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 117 Resp: 7667
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.3#





#95

Naphthalene

Concen: 31.307 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX047480.D

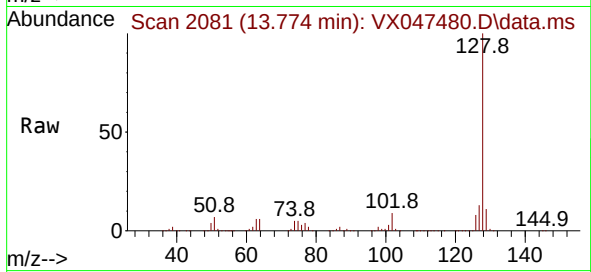
Acq: 21 Aug 2025 18:42

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-081925



Tgt Ion:128 Resp: 583259

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.9 8.7 13.1

