

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047388.D
 Acq On : 18 Aug 2025 17:22
 Operator : JC/MD
 Sample : Q2815-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-22M-E

Quant Time: Aug 19 01:46:34 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)

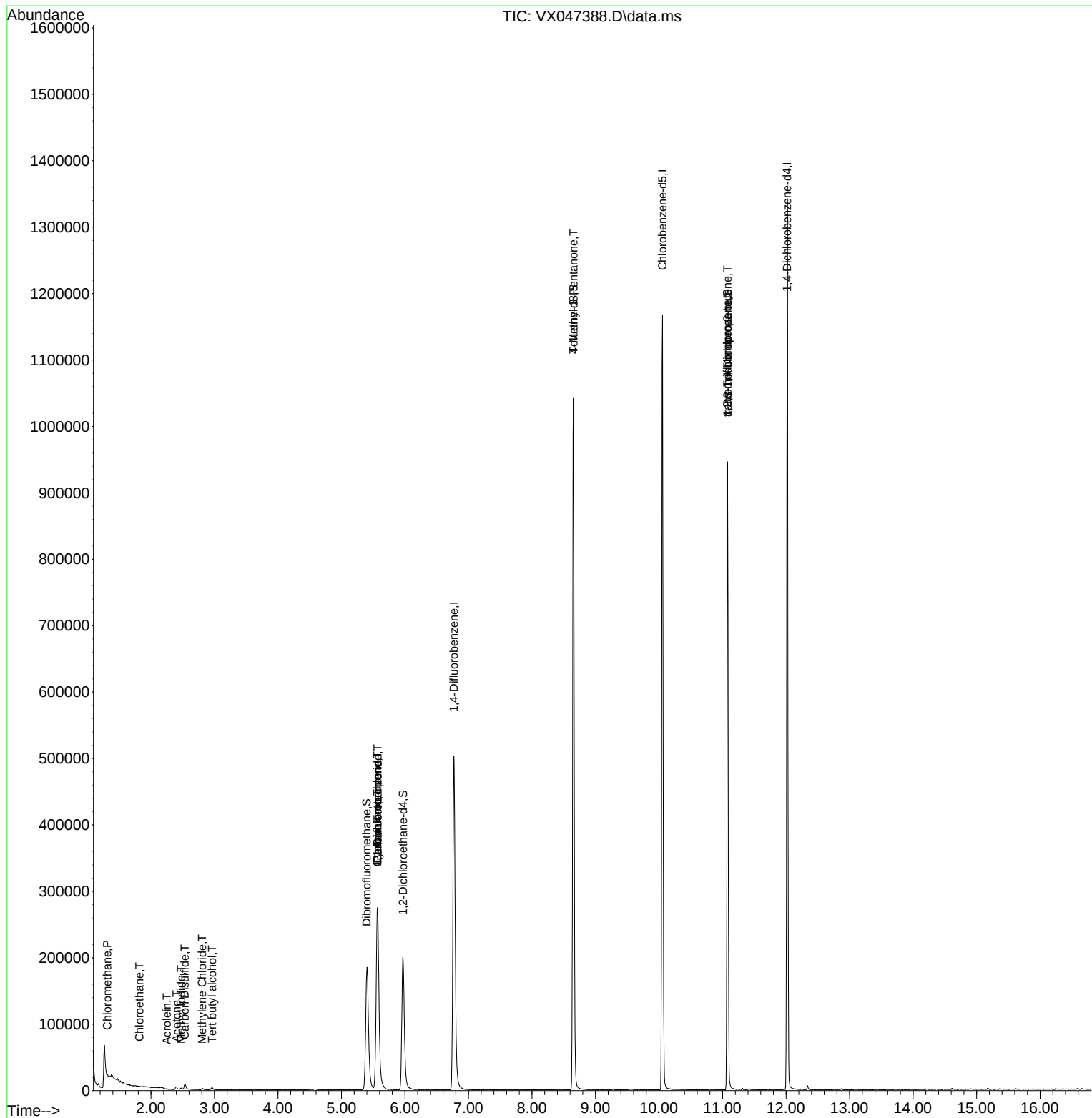
Internal Standards						
1) Pentafluorobenzene	5.568	168	277386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	540916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	526432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	264053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	208313	53.660	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.320%	
35) Dibromofluoromethane	5.397	113	177109	50.450	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.900%	
50) Toluene-d8	8.653	98	628803	50.113	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	11.079	95	251447	54.304	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1137	0.357	ug/l #	73
6) Chloroethane	1.819	64	720	0.295	ug/l #	57
10) Methyl Iodide	2.477	142	2954	0.503	ug/l	93
11) Tert butyl alcohol	2.965	59	978	2.896	ug/l #	72
13) Acrolein	2.252	56	172	0.241	ug/l #	15
16) Acetone	2.404	43	5882	4.031	ug/l	99
17) Carbon Disulfide	2.532	76	10084	0.957	ug/l #	75
20) Methylene Chloride	2.806	84	940	0.243	ug/l #	90
31) Cyclohexane	5.562	56	6583	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23646	4.267	ug/l #	51
38) Carbon Tetrachloride	5.568	117	29602	4.888	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	3211	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	132646	27.389	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	132646	108.193	ug/l #	7

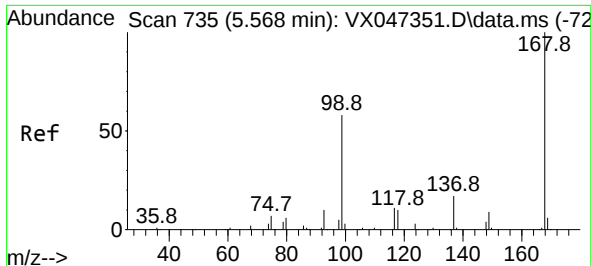
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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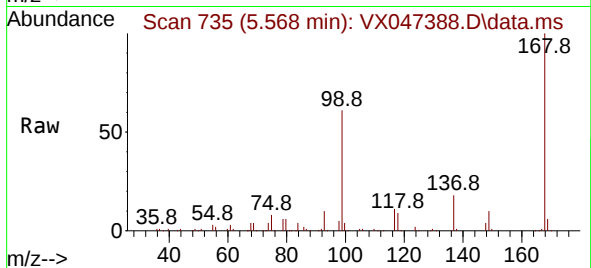
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



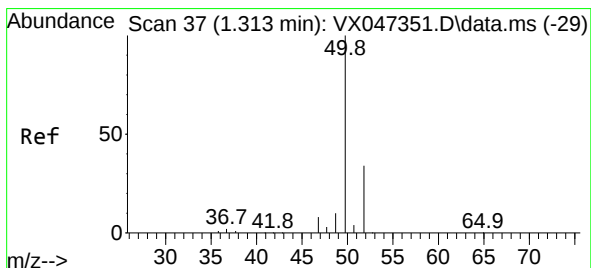
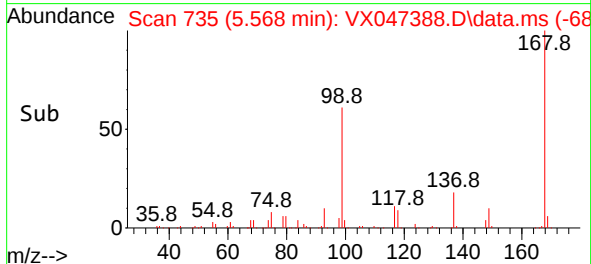
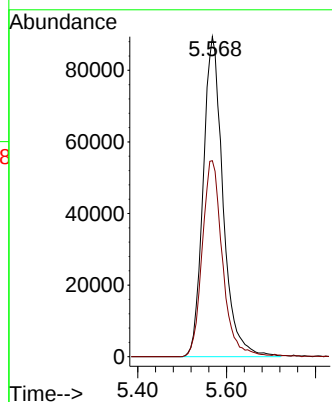


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

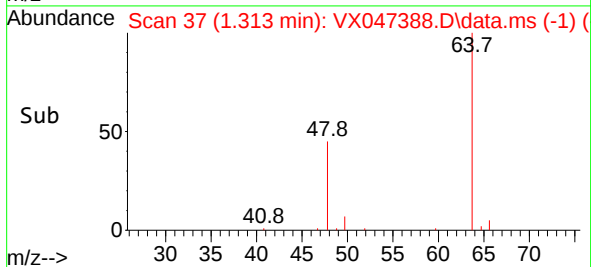
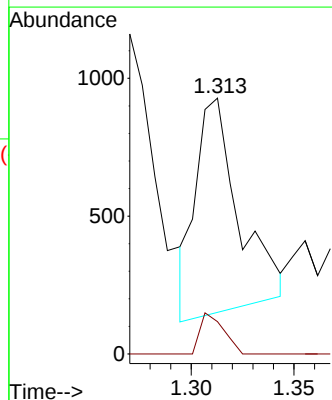
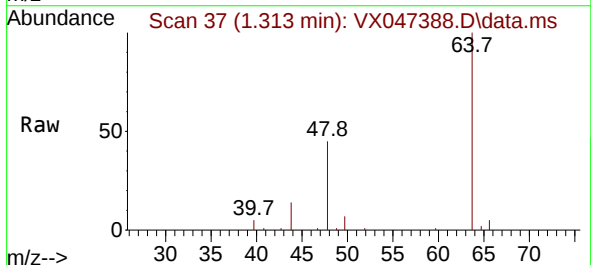


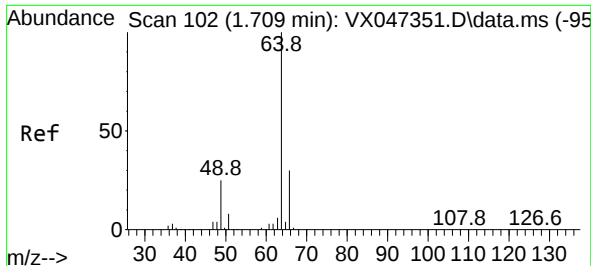
Tgt Ion:168 Resp: 277386
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#3
Chloromethane
Concen: 0.357 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 50 Resp: 1137
Ion Ratio Lower Upper
50 100
52 18.4 27.0 40.4#

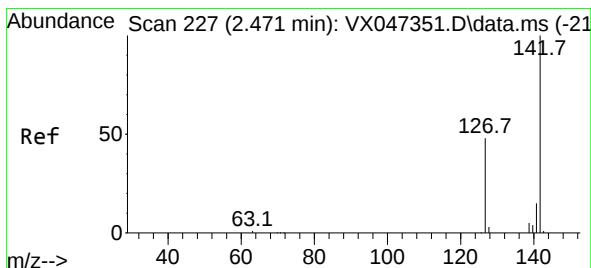
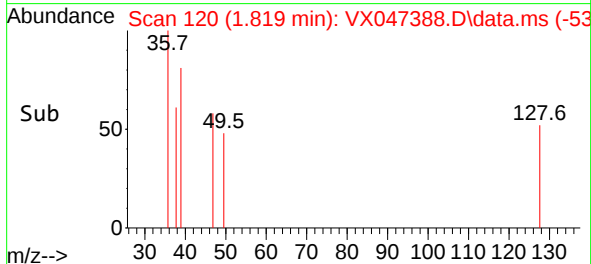
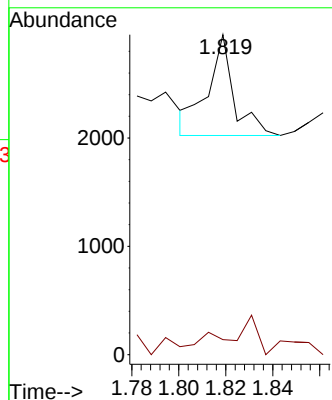
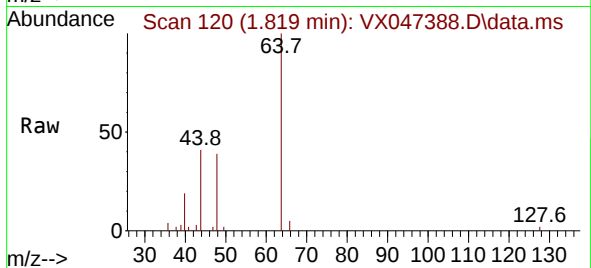




#6
Chloroethane
Concen: 0.295 ug/l
RT: 1.819 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

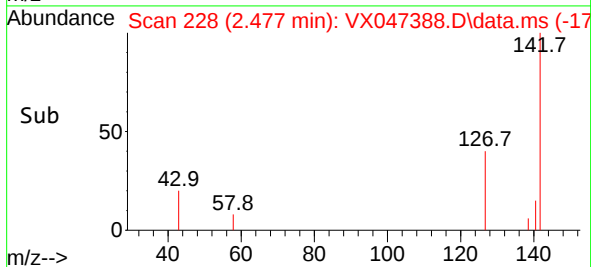
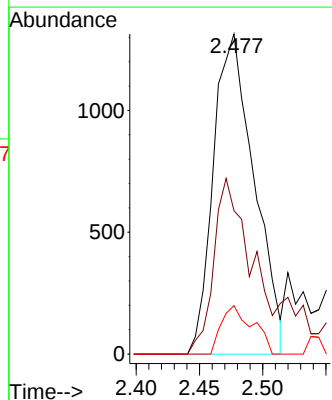
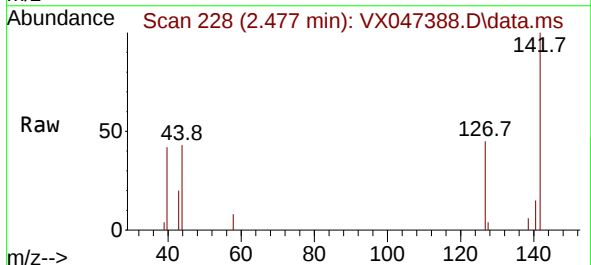
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

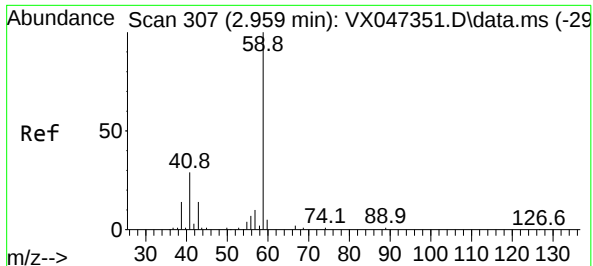
Tgt Ion: 64 Resp: 720
Ion Ratio Lower Upper
64 100
66 6.9 24.4 36.6#



#10
Methyl Iodide
Concen: 0.503 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion:142 Resp: 2954
Ion Ratio Lower Upper
142 100
127 49.7 36.1 54.1
141 11.6 11.1 16.7

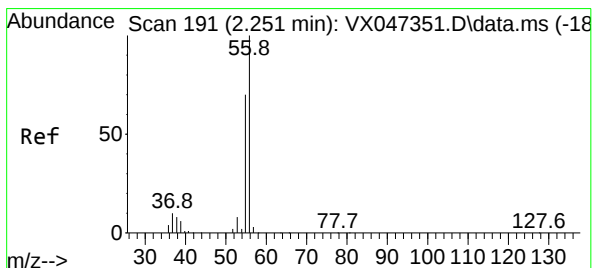
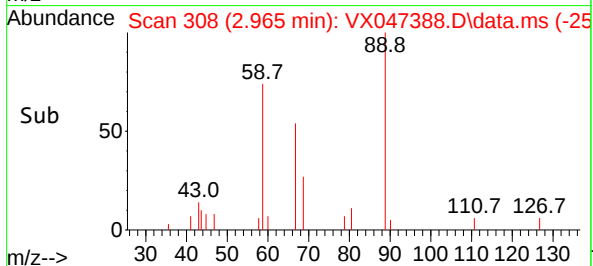
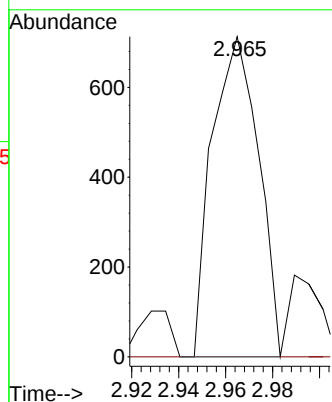
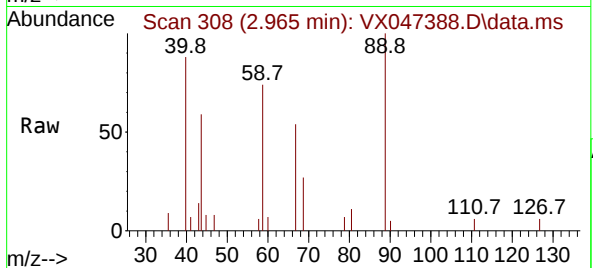




#11
Tert butyl alcohol
Concen: 2.896 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

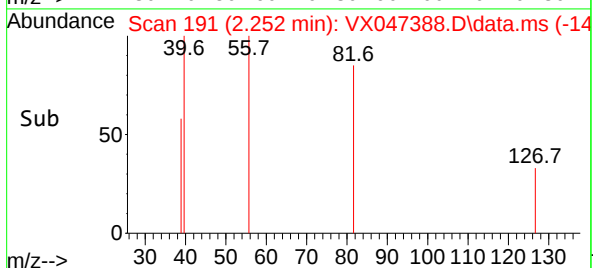
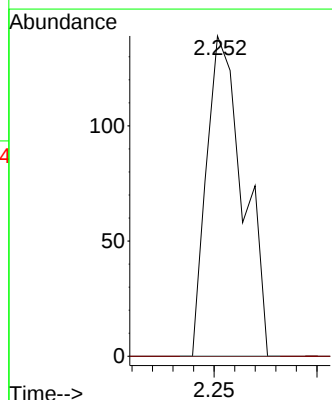
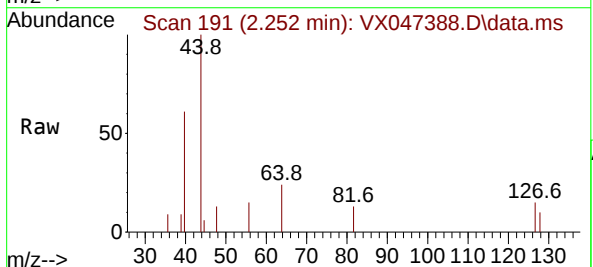
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

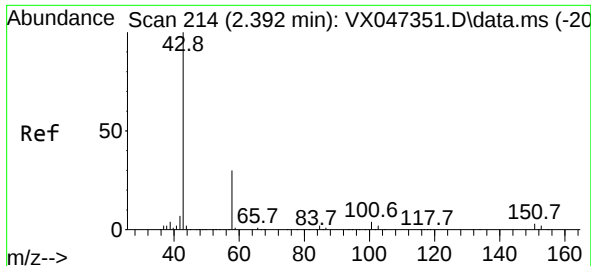
Tgt Ion: 59 Resp: 978
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.241 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

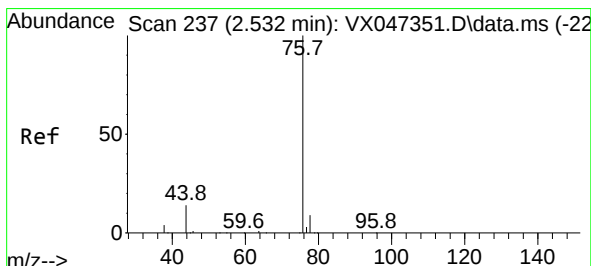
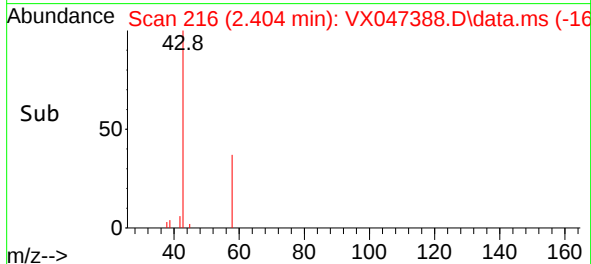
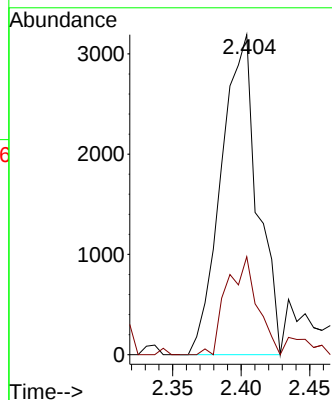
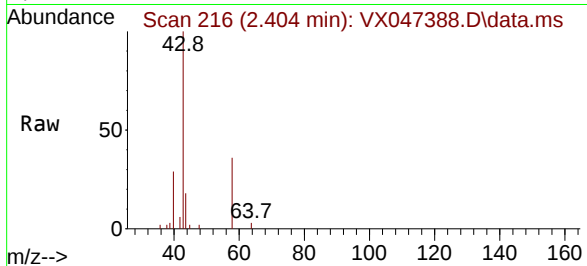




#16
Acetone
Concen: 4.031 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

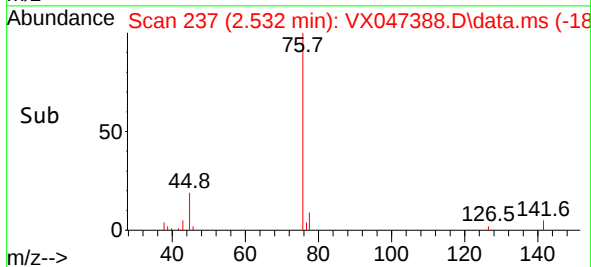
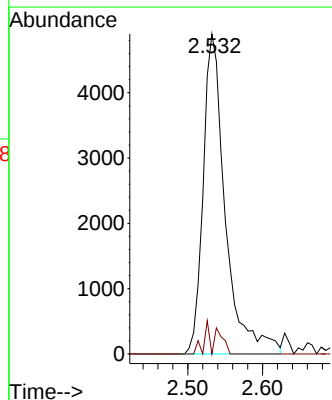
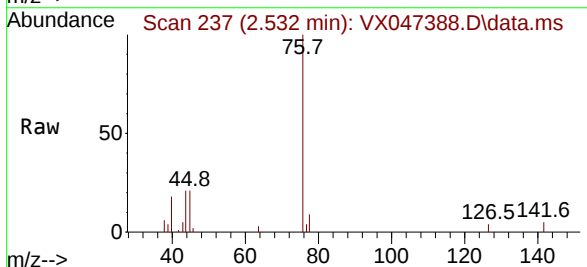
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

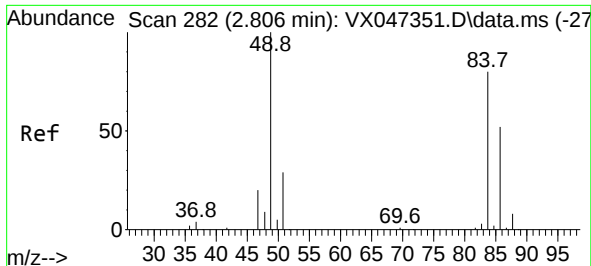
Tgt Ion: 43 Resp: 5882
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2



#17
Carbon Disulfide
Concen: 0.957 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 76 Resp: 10084
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

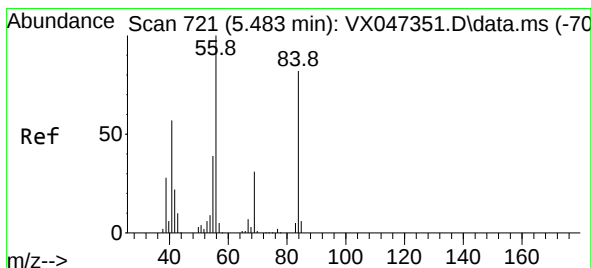
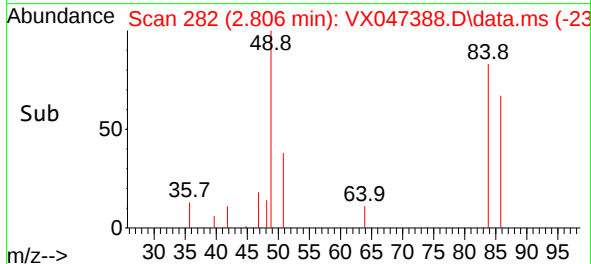
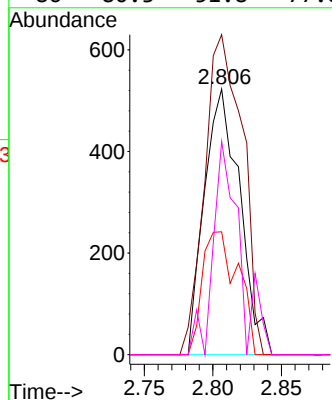
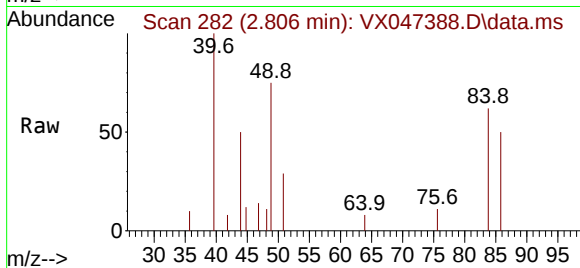




#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

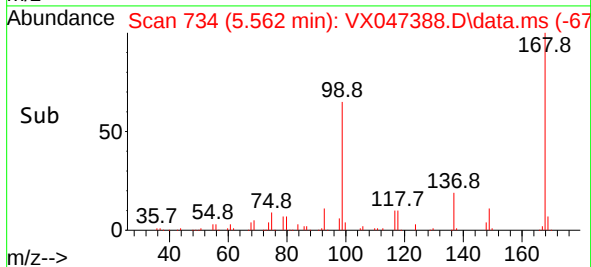
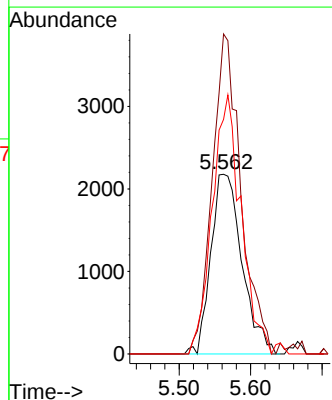
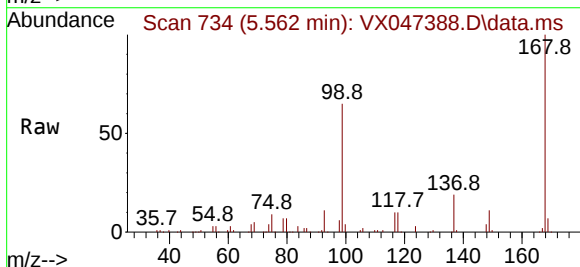
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

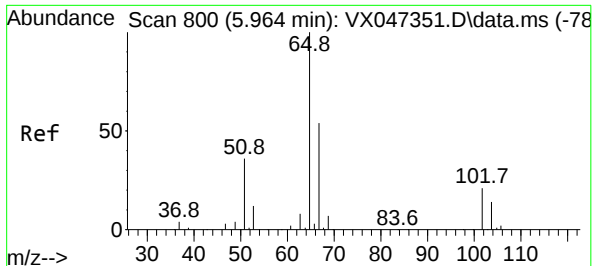
Tgt Ion:	84	Resp:	940
Ion	Ratio	Lower	Upper
84	100		
49	120.5	100.1	150.1
51	46.3	29.5	44.3#
86	80.3	51.8	77.8#



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion:	56	Resp:	6583
Ion	Ratio	Lower	Upper
56	100		
69	178.1	24.3	36.5#
84	130.5	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 53.660 ug/l

RT: 5.970 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047388.D

Acq: 18 Aug 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

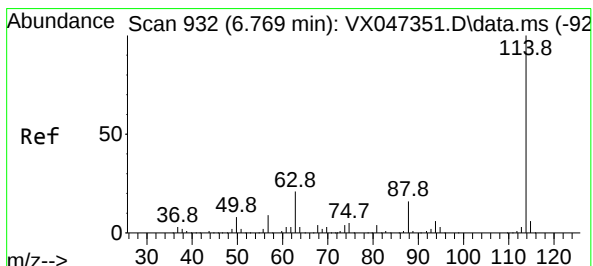
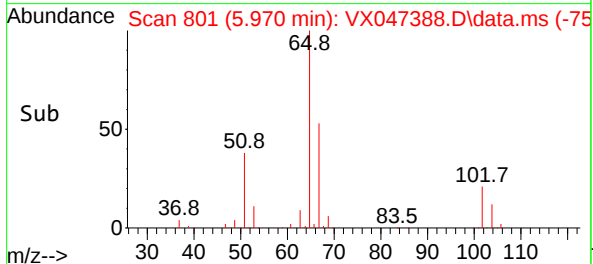
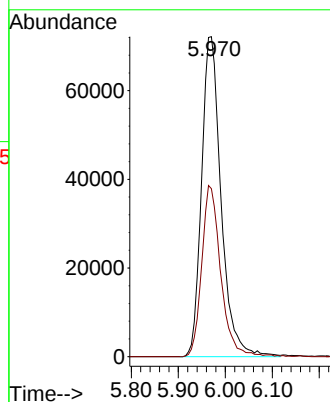
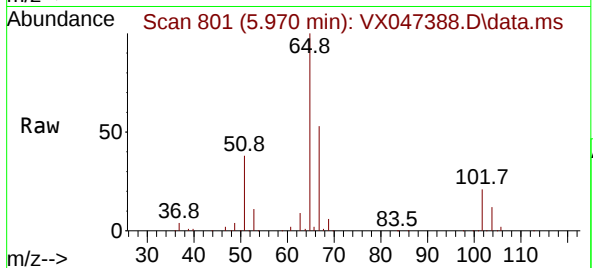
TW-22M-E

Tgt Ion: 65 Resp: 208313

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# 932

Delta R.T. 0.000 min

Lab File: VX047388.D

Acq: 18 Aug 2025 17:22

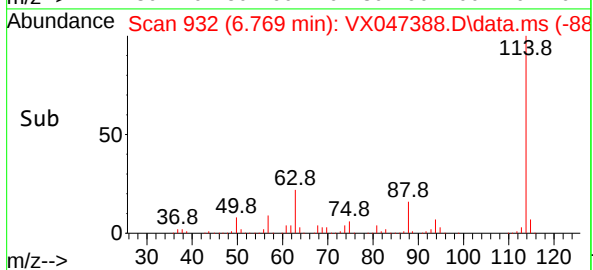
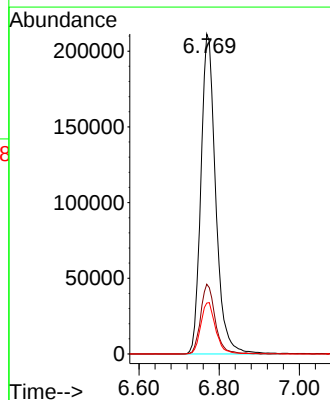
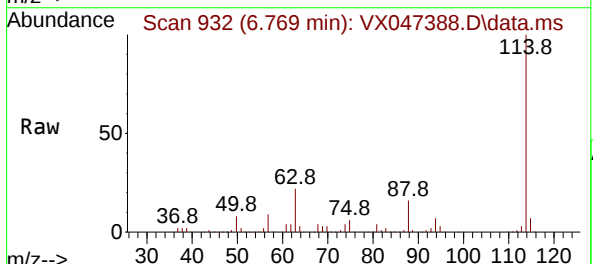
Tgt Ion: 114 Resp: 540916

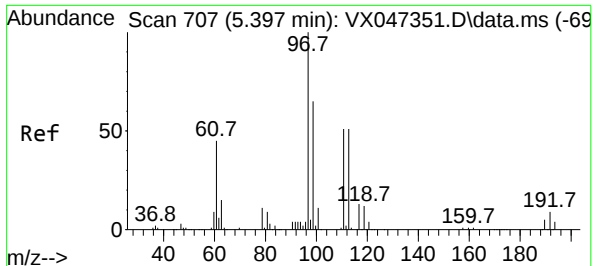
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

88 15.9 0.0 33.0

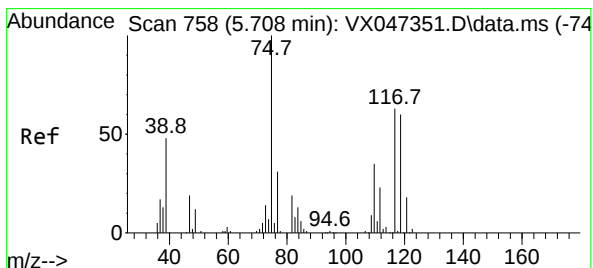
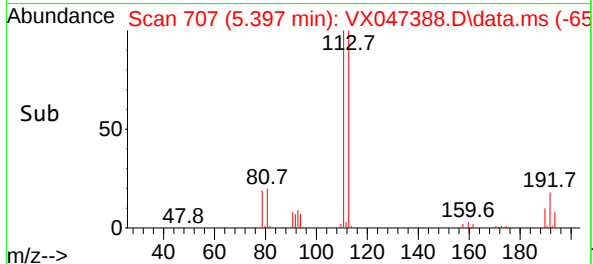
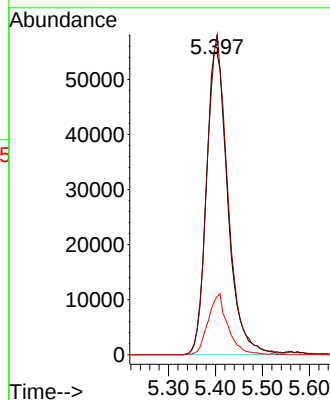
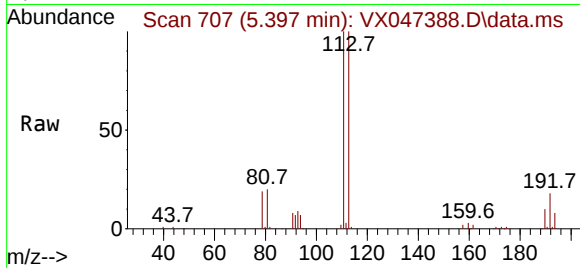




#35
Dibromofluoromethane
Concen: 50.450 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

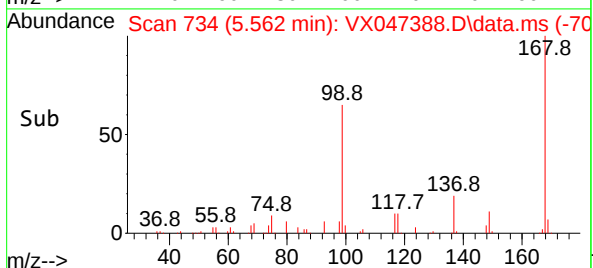
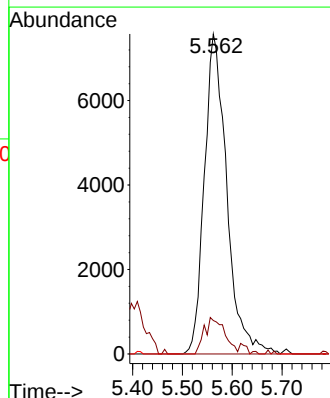
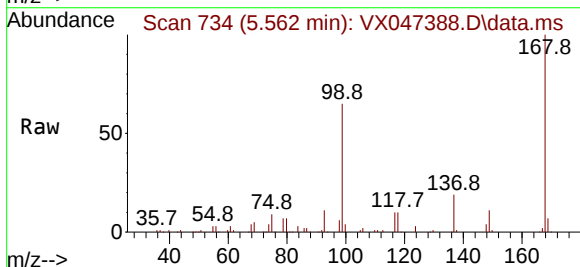
Instrument :
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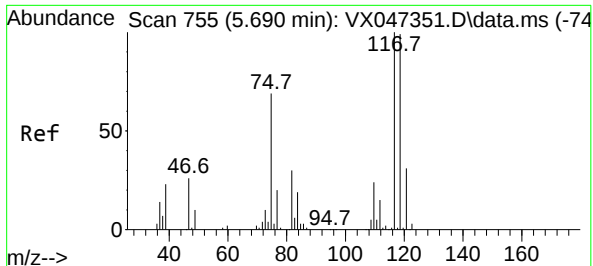
Tgt Ion:113 Resp: 177109
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 18.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 75 Resp: 23646
Ion Ratio Lower Upper
75 100
110 10.3 17.4 52.2#
77 0.0 24.4 36.6#

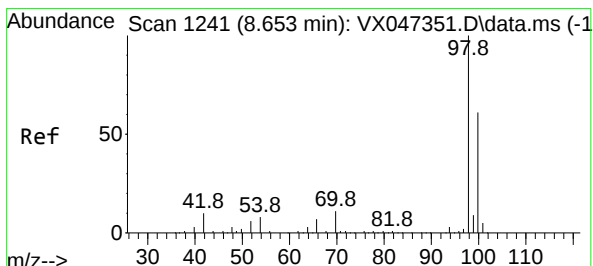
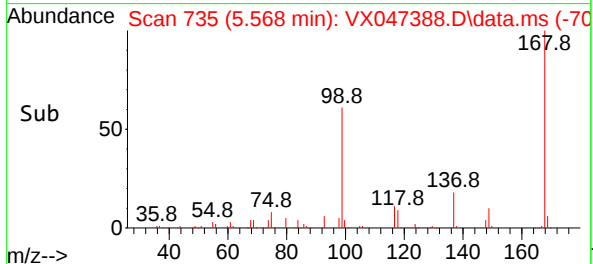
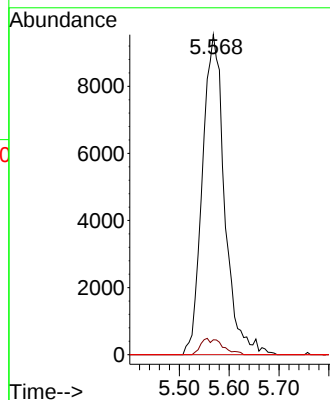
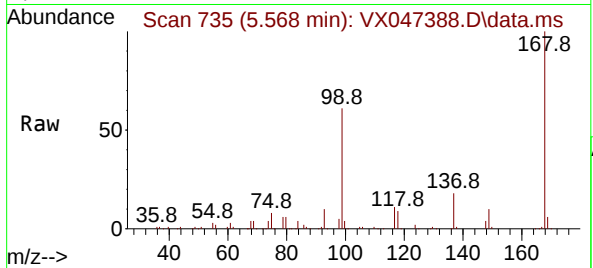




#38
Carbon Tetrachloride
Concen: 4.888 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

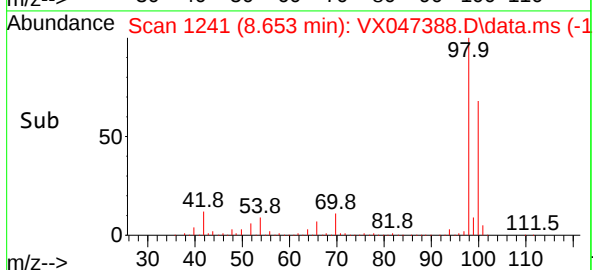
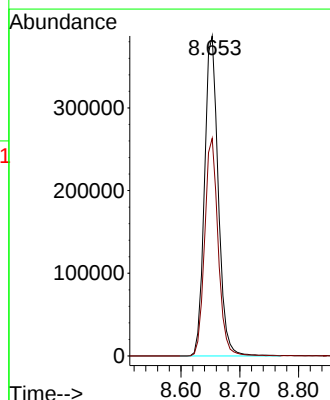
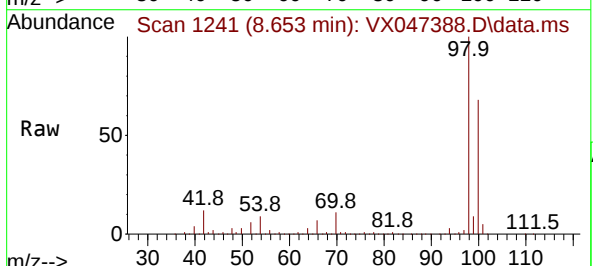
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

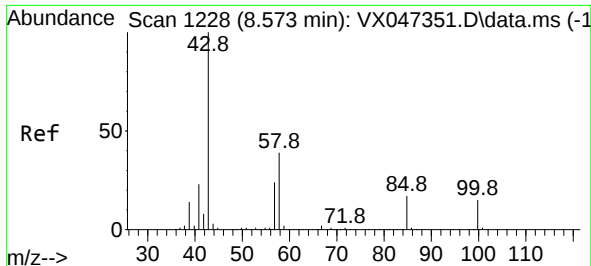
Tgt Ion:117 Resp: 29602
Ion Ratio Lower Upper
117 100
119 4.7 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.113 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 98 Resp: 628803
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9

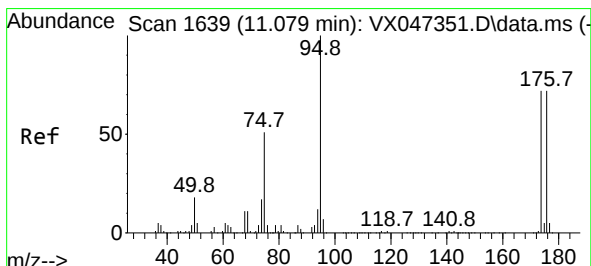
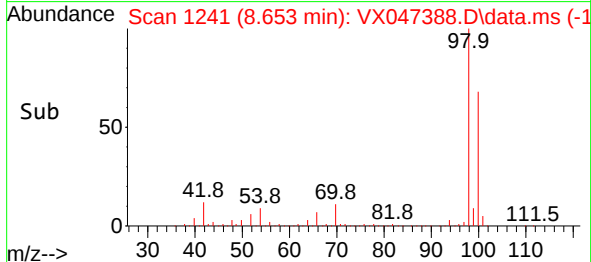
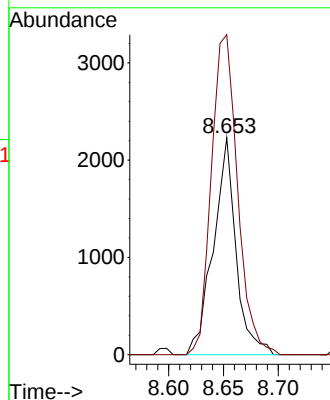
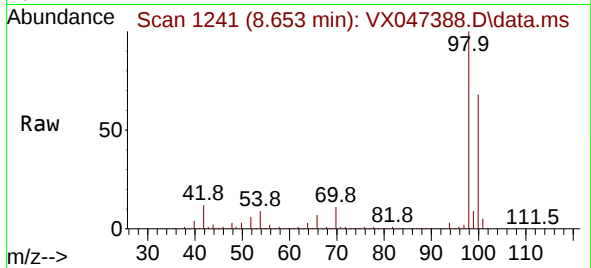




#51
4-Methyl-2-Pentanone
Concen: 0.675 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

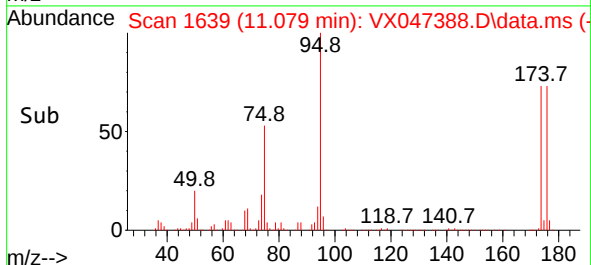
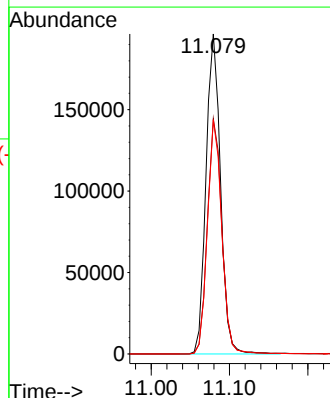
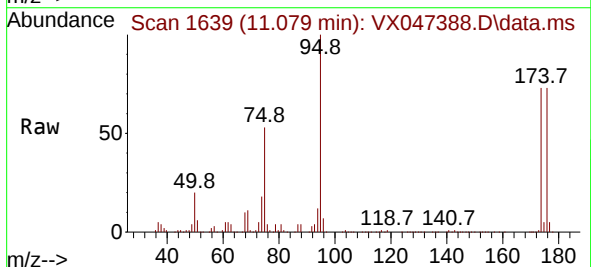
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

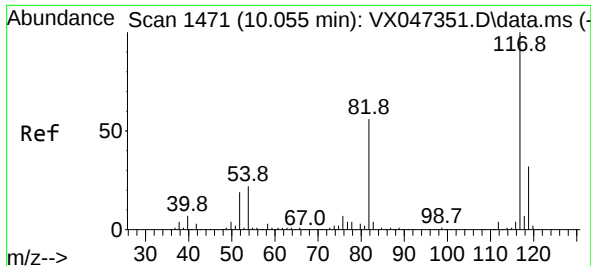
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
58 170.7 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 95 Resp: 251447
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.0
176 72.6 0.0 145.4

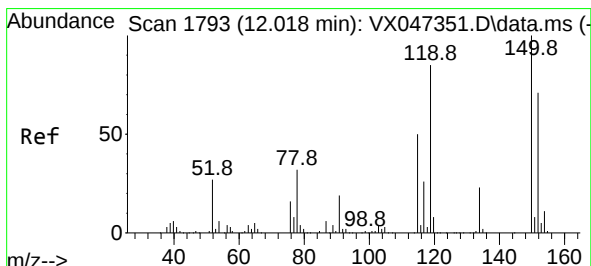
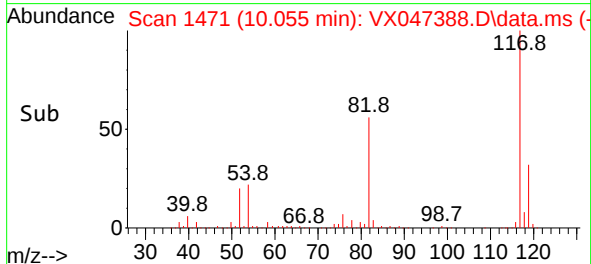
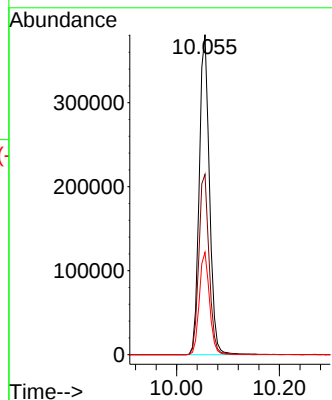
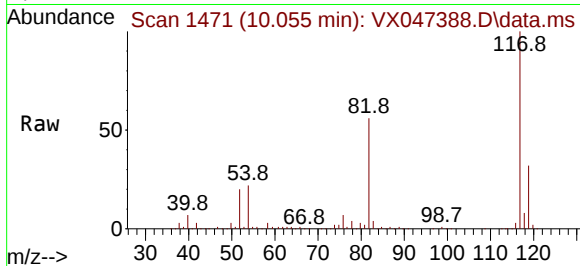




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

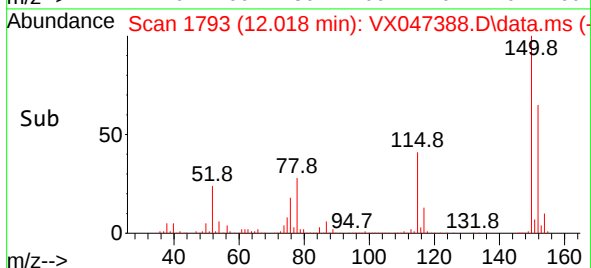
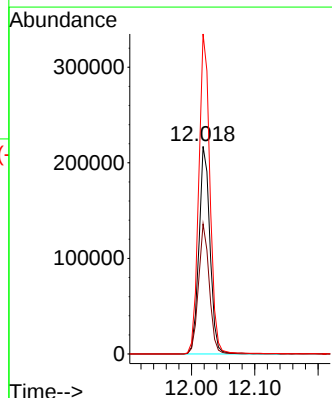
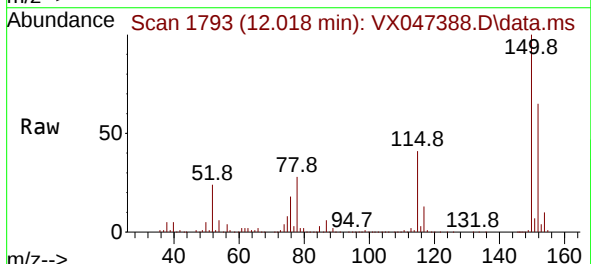
Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

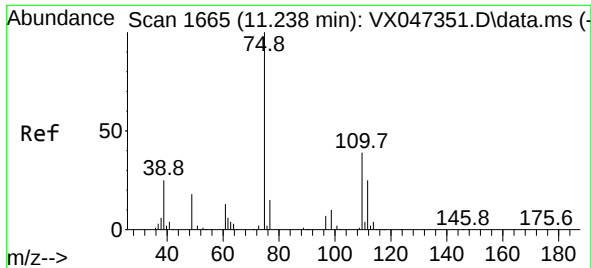
Tgt Ion:117 Resp: 526432
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion:152 Resp: 264053
Ion Ratio Lower Upper
152 100
115 61.3 44.6 133.8
150 156.2 0.0 349.8

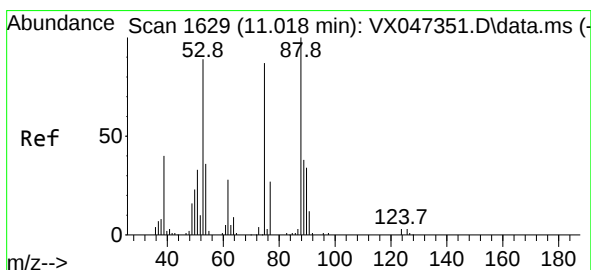
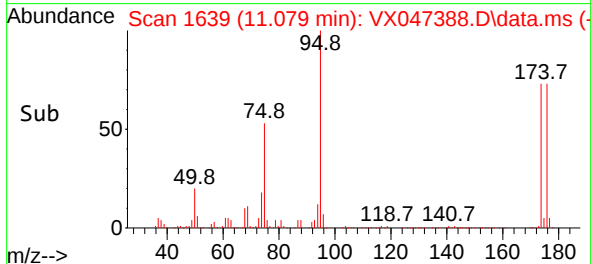
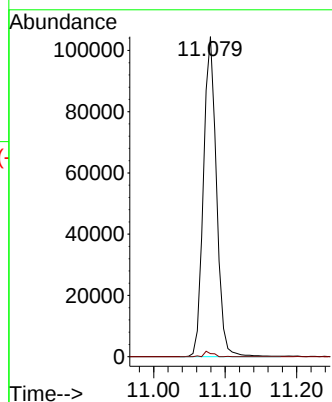
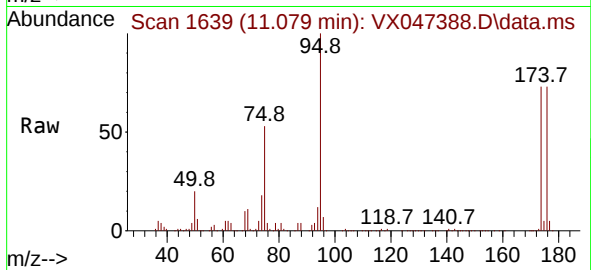




#76
1,2,3-Trichloropropane
Concen: 27.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
TW-22M-E

Tgt Ion: 75 Resp: 132646
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.193 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047388.D
Acq: 18 Aug 2025 17:22

Tgt Ion: 75 Resp: 132646
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

