

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047331.D
 Acq On : 13 Aug 2025 18:24
 Operator : JC/MD
 Sample : Q2815-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-88H-N

Quant Time: Aug 14 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

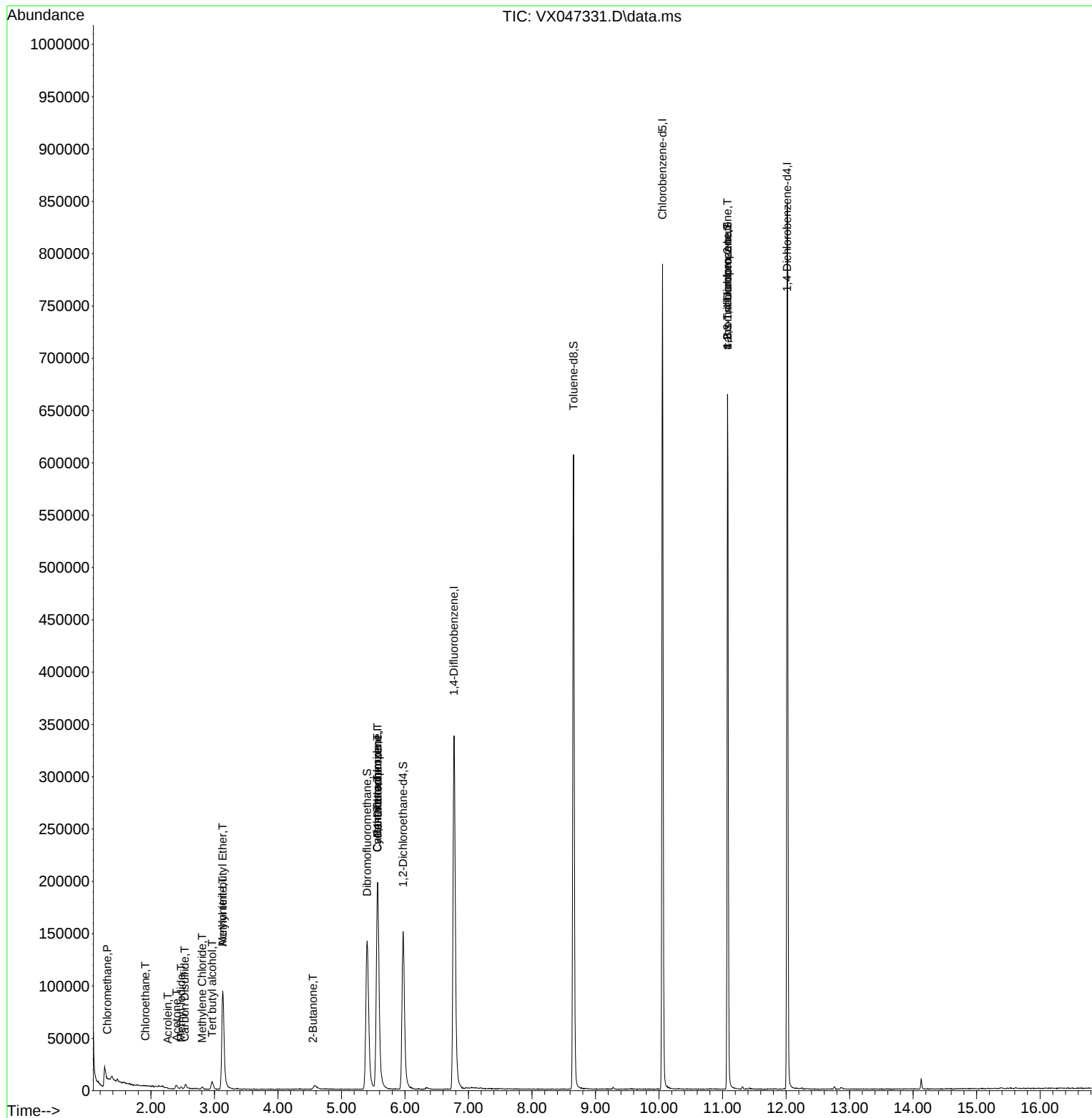
Internal Standards						
1) Pentafluorobenzene	5.568	168	199184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	368929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	342487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	160176	64.556	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 129.120%	#
35) Dibromofluoromethane	5.403	113	138358	60.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 121.480%	
50) Toluene-d8	8.653	98	364823	49.455	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	11.079	95	177904	55.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.920%	
Target Compounds						
						Qvalue
3) Chloromethane	1.313	50	553	0.211	ug/l	# 43
6) Chloroethane	1.910	64	666	0.360	ug/l	# 43
10) Methyl Iodide	2.477	142	2331	0.905	ug/l	# 90
11) Tert butyl alcohol	2.965	59	3909	3.328	ug/l	# 72
13) Acrolein	2.264	56	228	0.427	ug/l	# 15
15) Acrylonitrile	3.129	53	1576	1.332	ug/l	# 37
16) Acetone	2.404	43	5667	5.701	ug/l	# 85
17) Carbon Disulfide	2.532	76	1746	0.241	ug/l	# 94
19) Methyl tert-butyl Ether	3.129	73	112898	14.820	ug/l	# 97
20) Methylene Chloride	2.806	84	949	0.347	ug/l	# 91
25) 2-Butanone	4.550	43	352	0.243	ug/l	# 52
31) Cyclohexane	5.562	56	4375	0.943	ug/l	# 1
36) 1,1-Dichloropropene	5.568	75	16998	4.378	ug/l	# 51
38) Carbon Tetrachloride	5.562	117	21346	5.151	ug/l	# 15
76) 1,2,3-Trichloropropane	11.079	75	92013	28.714	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	92013	73.979	ug/l	# 8

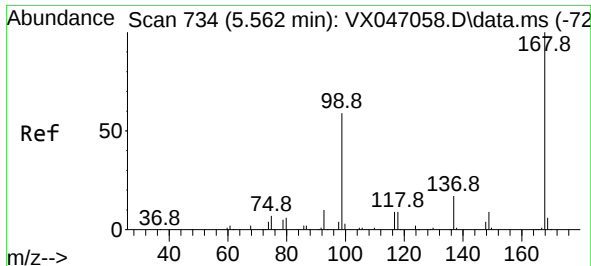
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 14 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

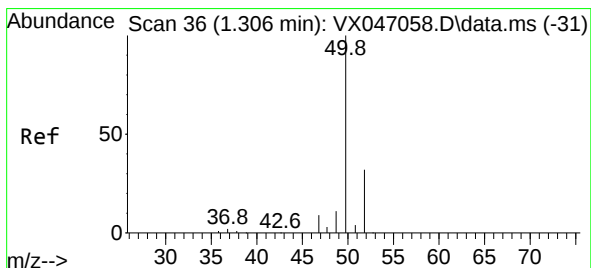
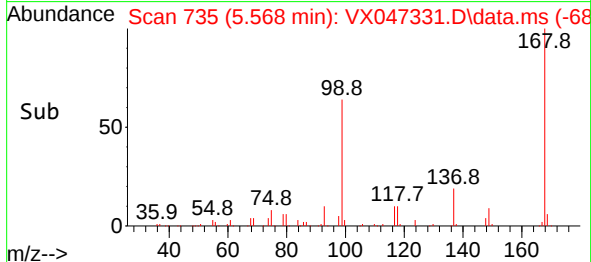
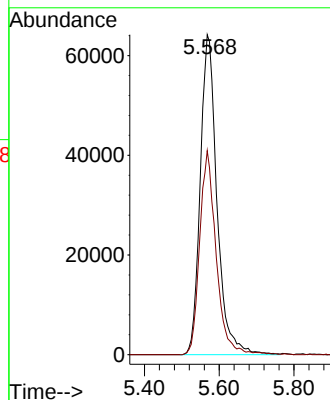
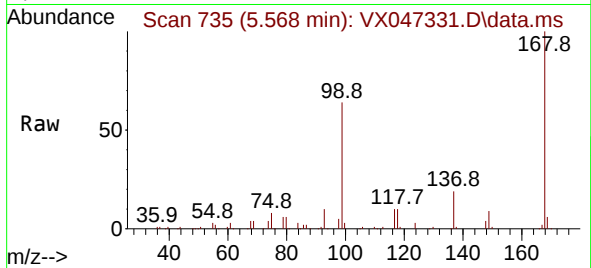




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

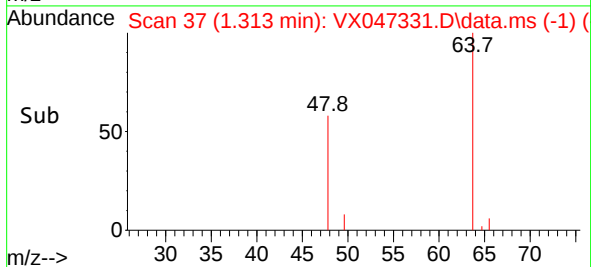
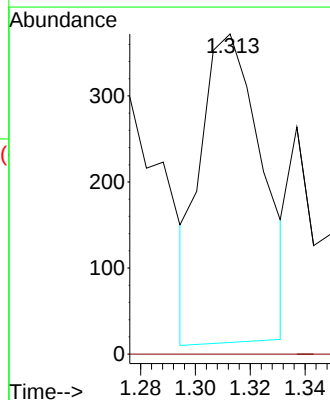
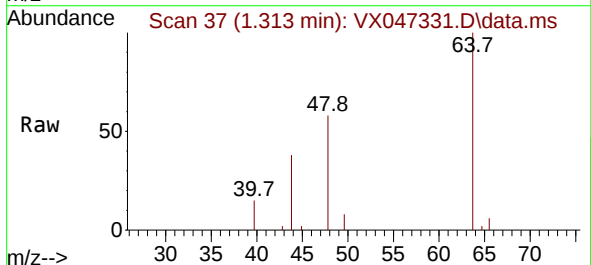
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

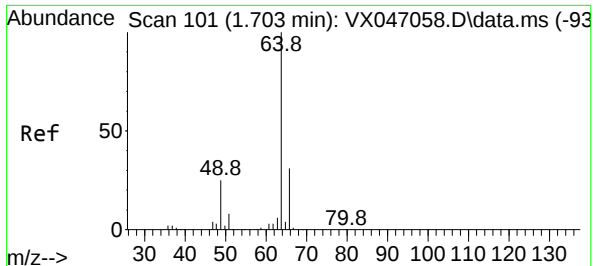
Tgt Ion:168 Resp: 199184
Ion Ratio Lower Upper
168 100
99 63.8 48.0 72.0



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

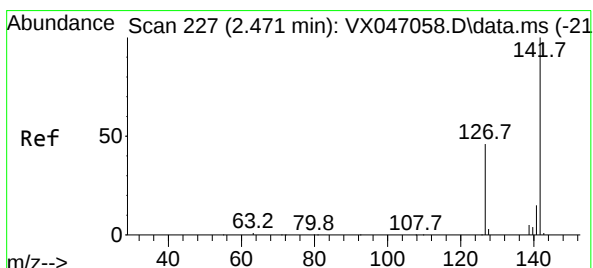
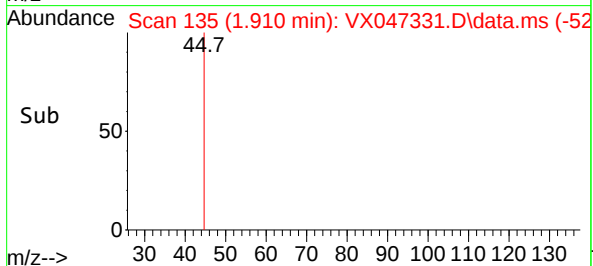
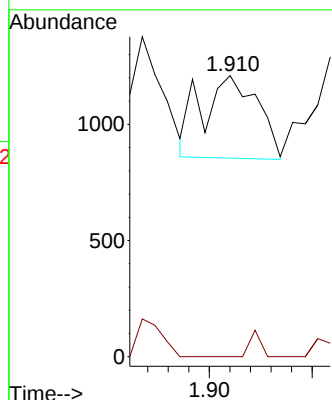
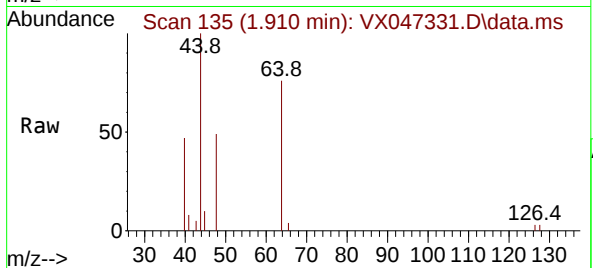




#6
Chloroethane
Concen: 0.360 ug/l
RT: 1.910 min Scan# 11
Delta R.T. 0.208 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

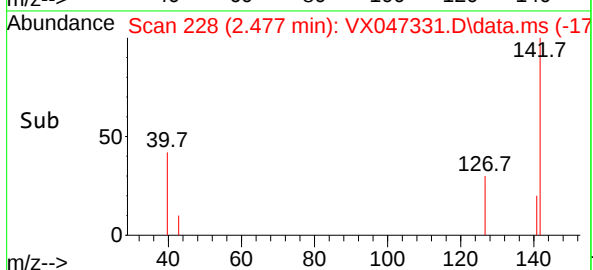
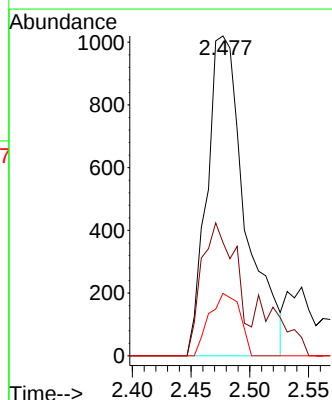
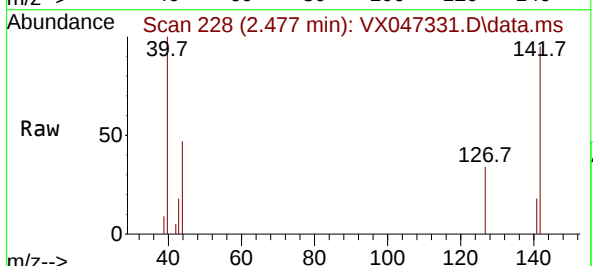
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

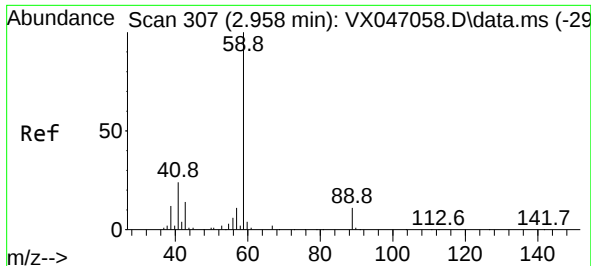
Tgt Ion: 64 Resp: 666
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#10
Methyl Iodide
Concen: 0.905 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion:142 Resp: 2331
Ion Ratio Lower Upper
142 100
127 37.7 36.6 54.8
141 15.5 10.9 16.3

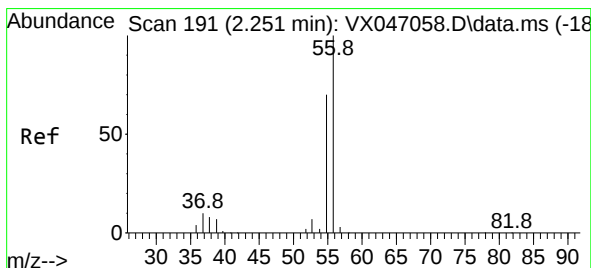
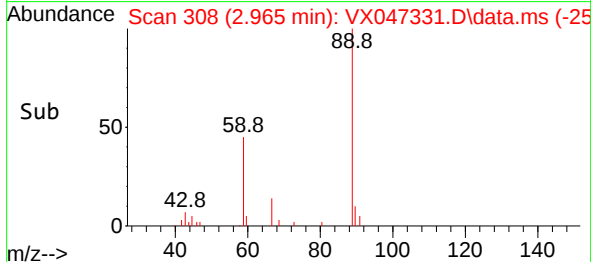
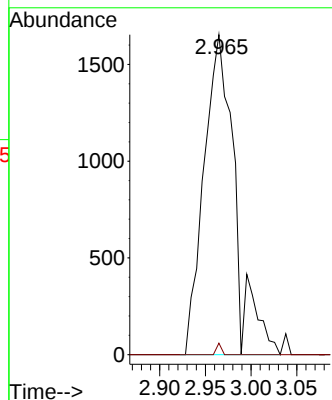
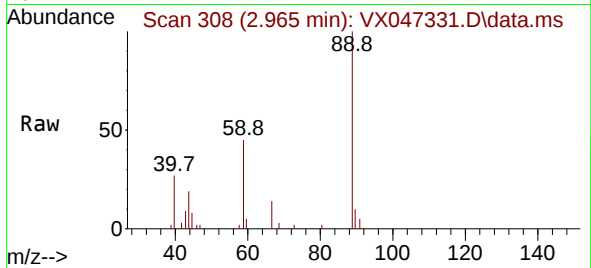




#11
Tert butyl alcohol
Concen: 3.328 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.007 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

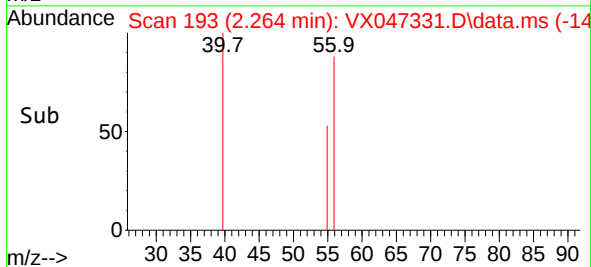
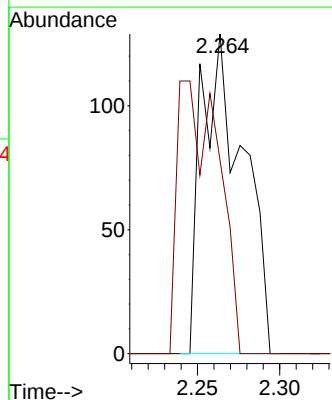
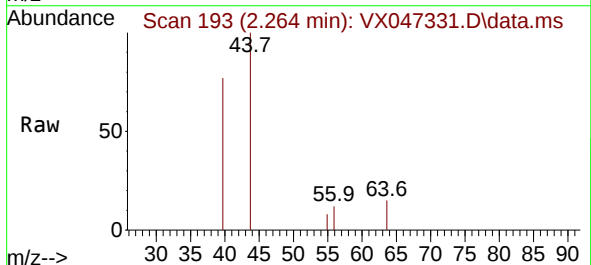
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

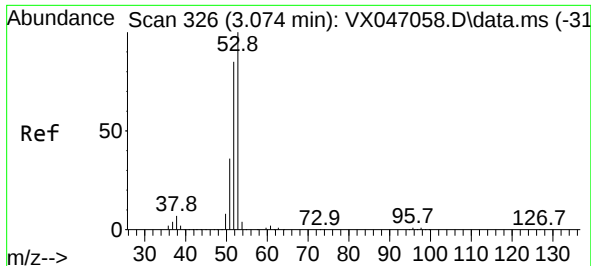
Tgt Ion: 59 Resp: 3909
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.427 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.012 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

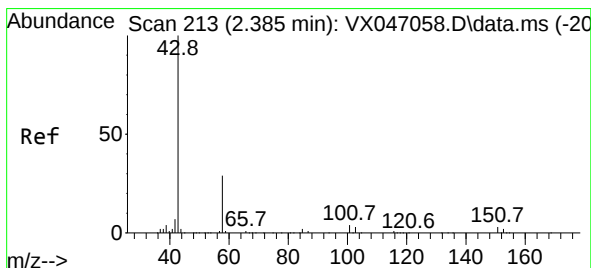
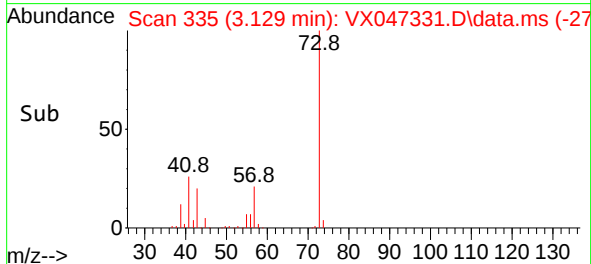
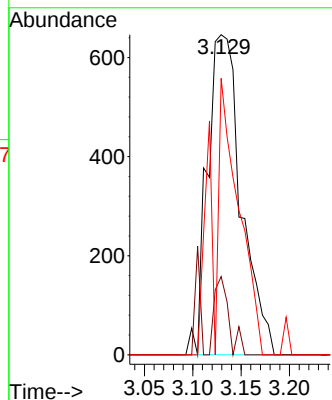
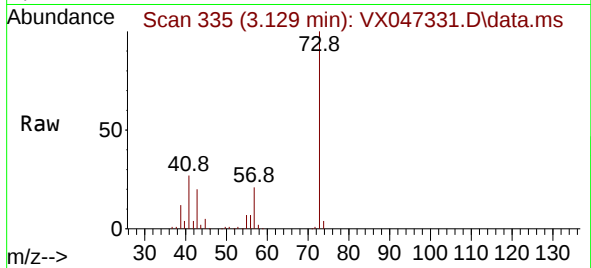




#15
Acrylonitrile
Concen: 1.332 ug/l
RT: 3.129 min Scan# 31
Delta R.T. 0.055 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

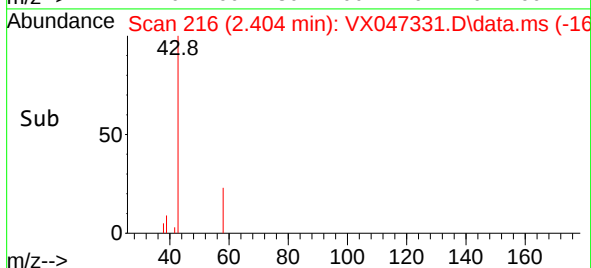
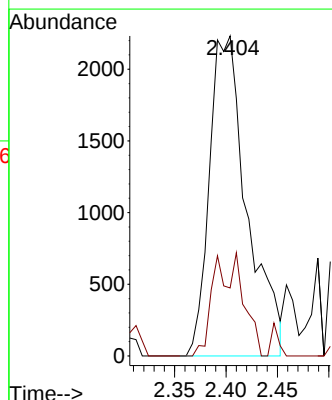
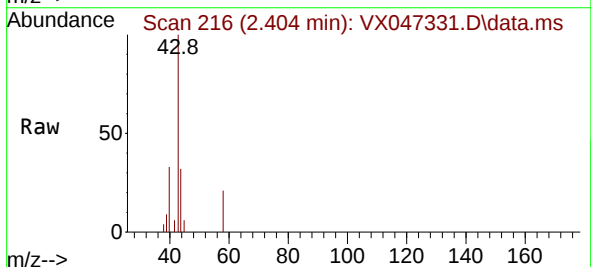
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

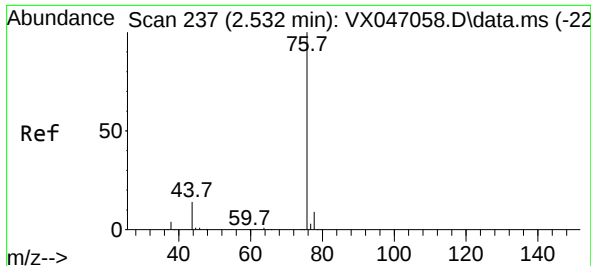
Tgt Ion: 53 Resp: 1576
Ion Ratio Lower Upper
53 100
52 10.5 65.7 98.5#
51 50.3 28.8 43.2#



#16
Acetone
Concen: 5.701 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.019 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 43 Resp: 5667
Ion Ratio Lower Upper
43 100
58 21.9 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047331.D

Acq: 13 Aug 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

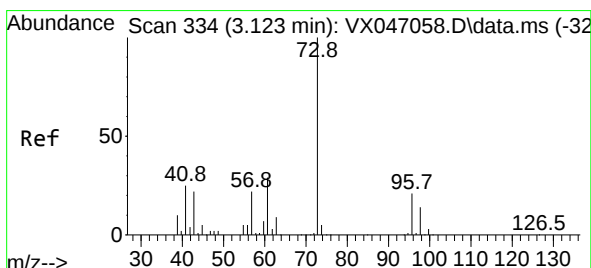
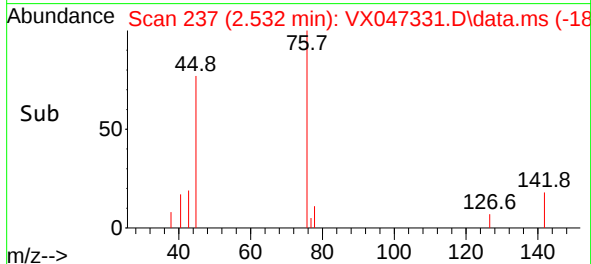
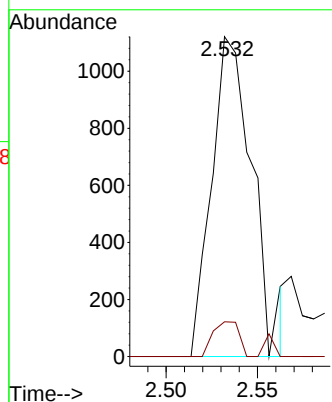
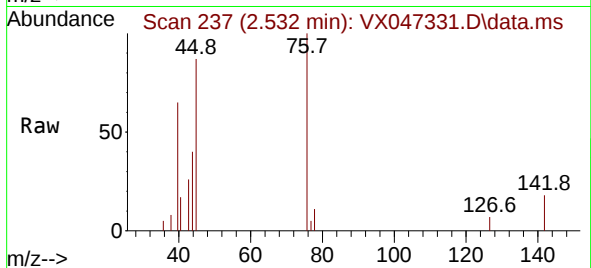
TW-88H-N

Tgt Ion: 76 Resp: 1746

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.4#



#19

Methyl tert-butyl Ether

Concen: 14.820 ug/l

RT: 3.129 min Scan# 335

Delta R.T. 0.006 min

Lab File: VX047331.D

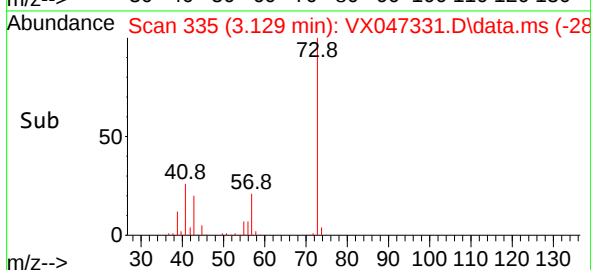
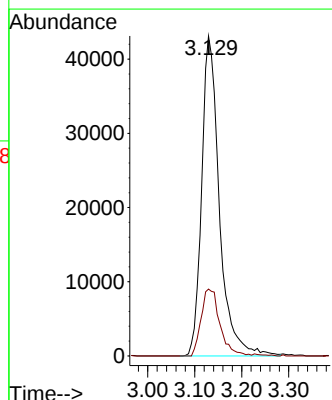
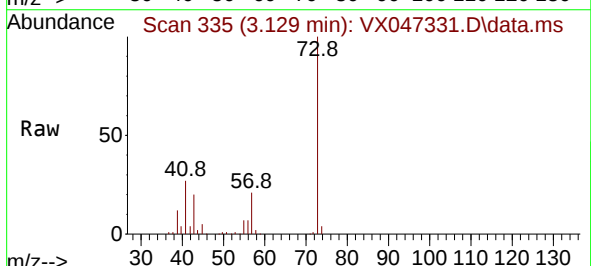
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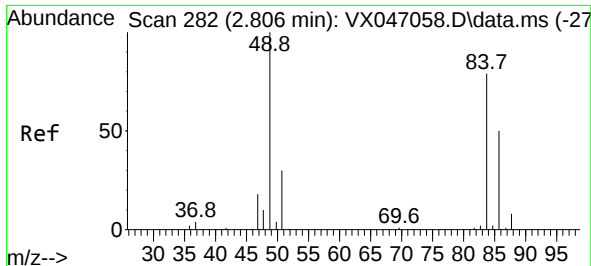
Tgt Ion: 73 Resp: 112898

Ion Ratio Lower Upper

73 100

57 20.9 17.7 26.5

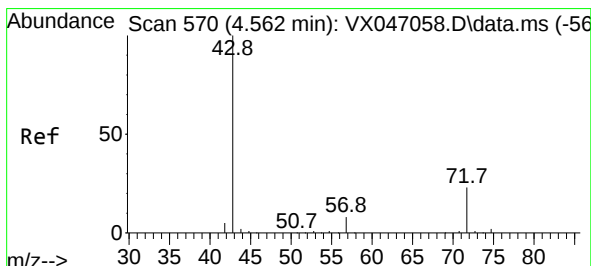
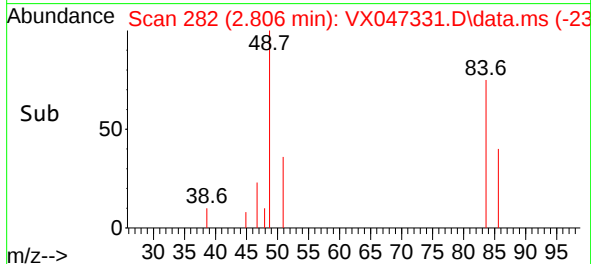
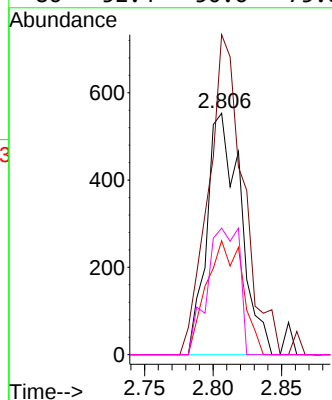
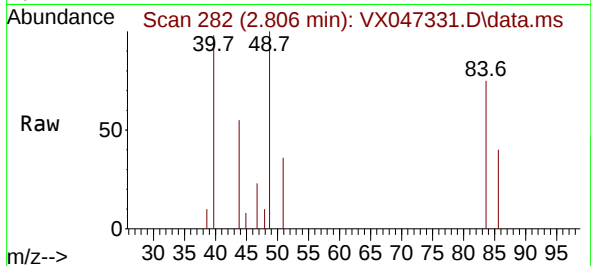




#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

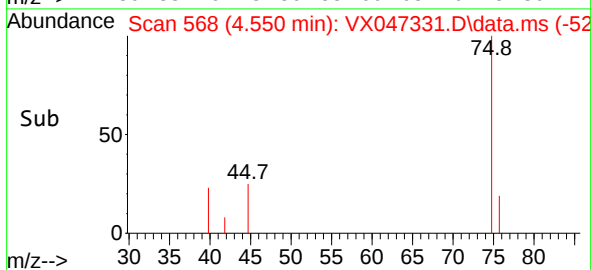
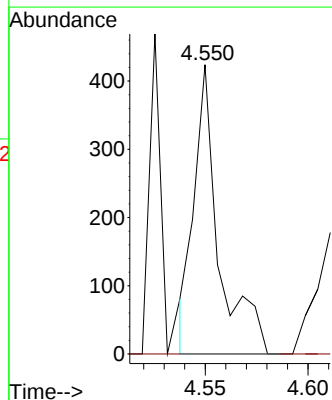
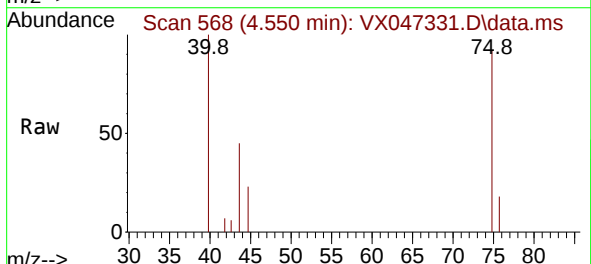
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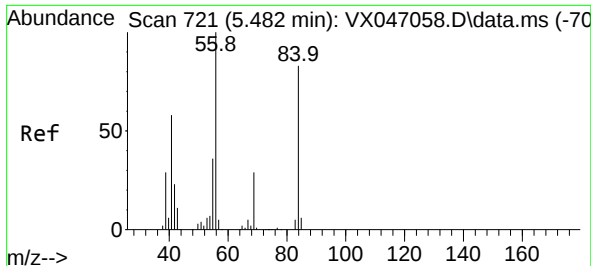
Tgt Ion:	84	Resp:	949
Ion	Ratio	Lower	Upper
84	100		
49	132.5	101.6	152.4
51	47.2	30.3	45.5#
86	52.4	50.6	75.8



#25
2-Butanone
Concen: 0.243 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.012 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion:	43	Resp:	352
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2#

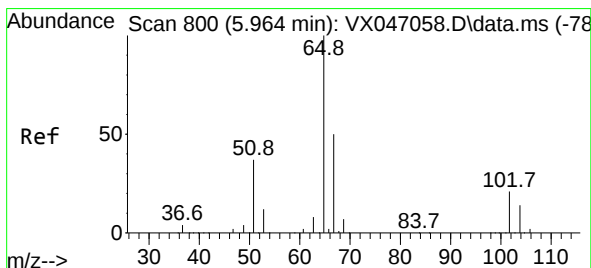
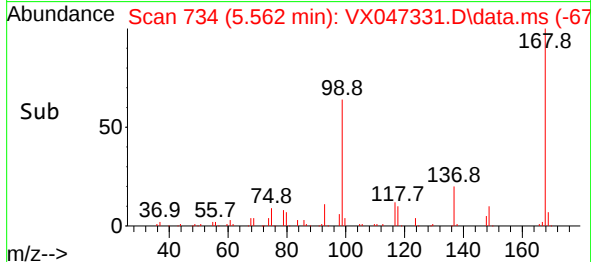
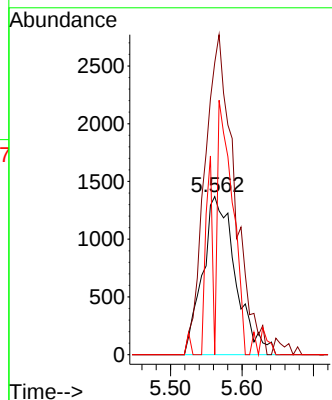
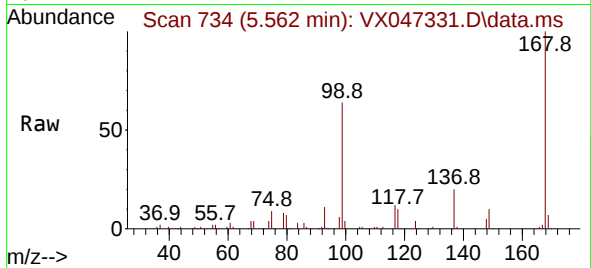




#31
Cyclohexane
Concen: 0.943 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

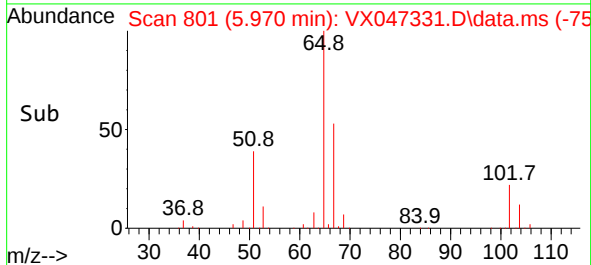
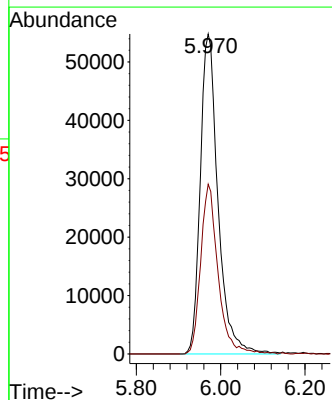
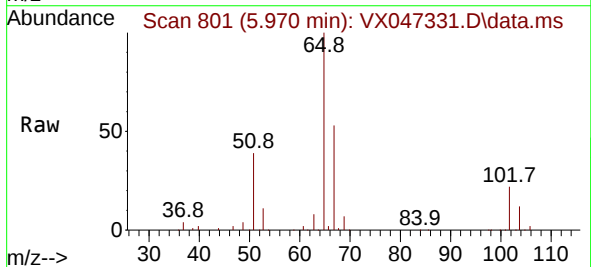
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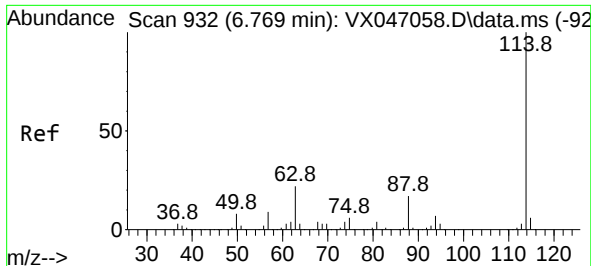
Tgt Ion: 56 Resp: 4375
Ion Ratio Lower Upper
56 100
69 175.3 23.3 34.9#
84 0.0 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 64.556 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 65 Resp: 160176
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

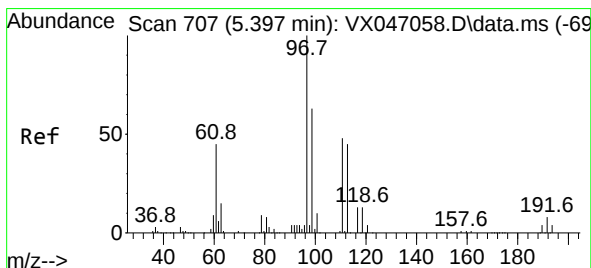
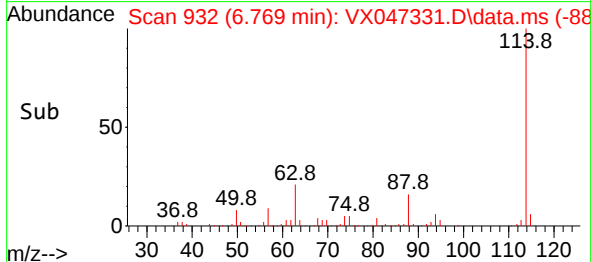
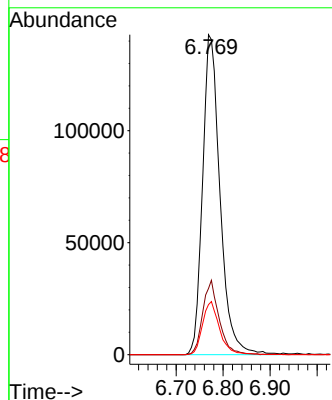
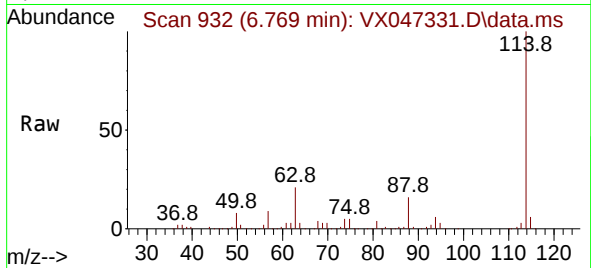




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

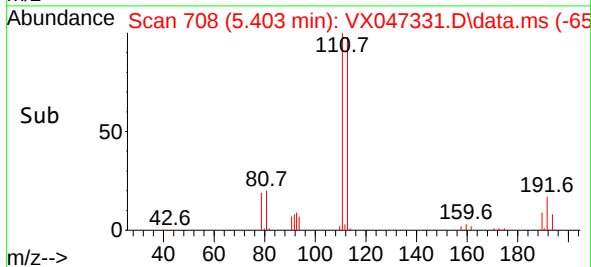
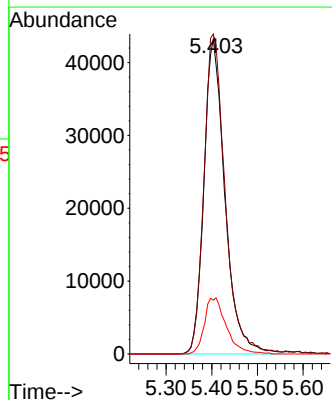
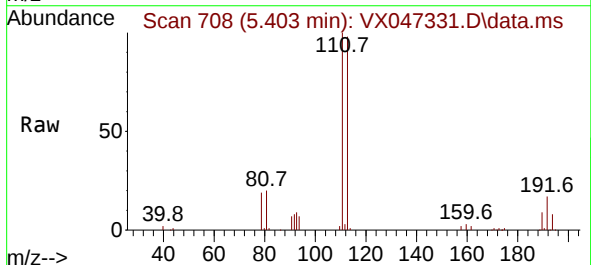
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

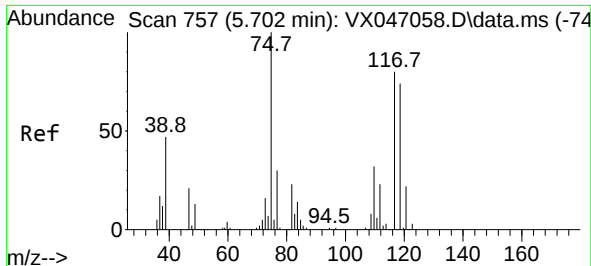
Tgt Ion:114 Resp: 368929
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 15.7 0.0 33.8



#35
Dibromofluoromethane
Concen: 60.740 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion:113 Resp: 138358
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.378 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX047331.D

Acq: 13 Aug 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

TW-88H-N

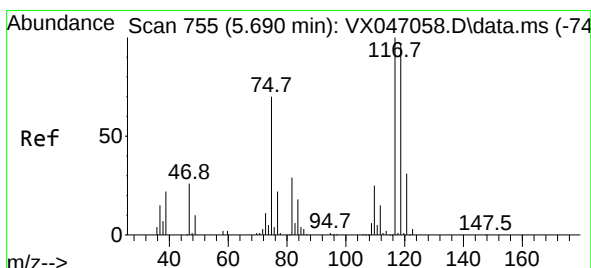
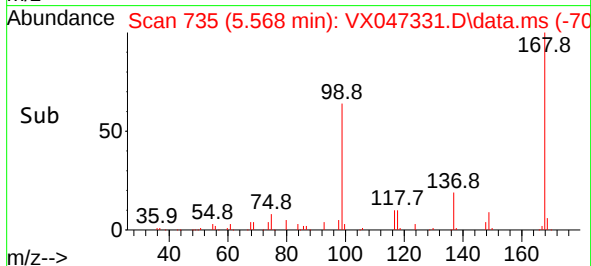
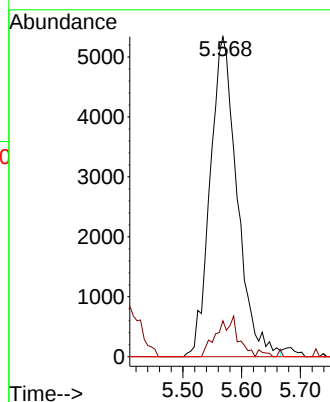
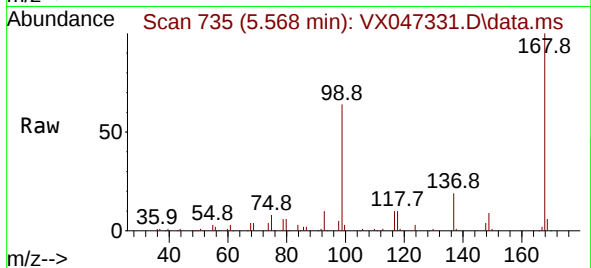
Tgt Ion: 75 Resp: 16998

Ion Ratio Lower Upper

75 100

110 9.9 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.151 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047331.D

Acq: 13 Aug 2025 18:24

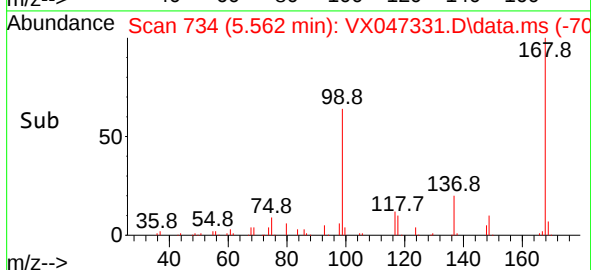
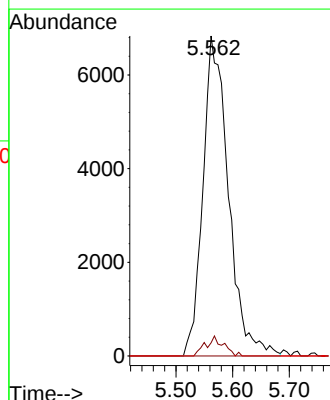
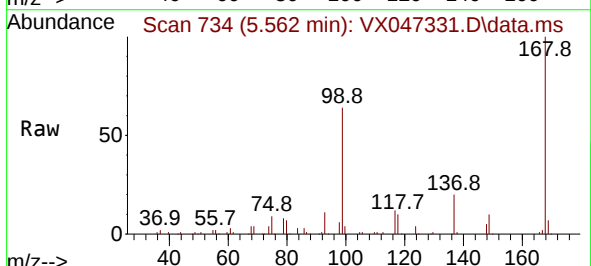
Tgt Ion: 117 Resp: 21346

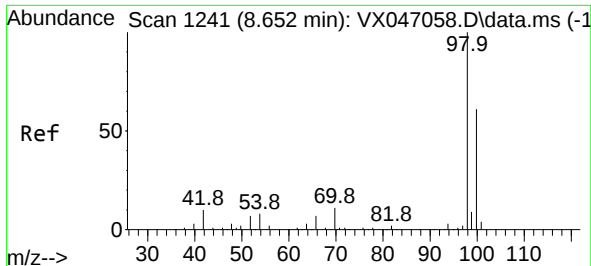
Ion Ratio Lower Upper

117 100

119 4.1 76.6 115.0#

121 0.0 24.4 36.6#

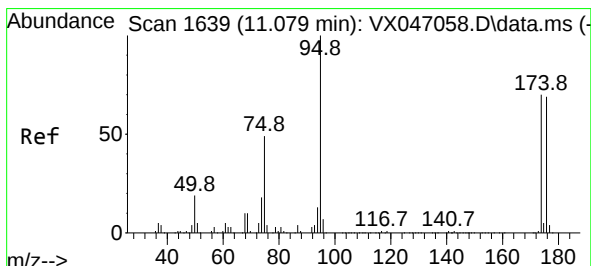
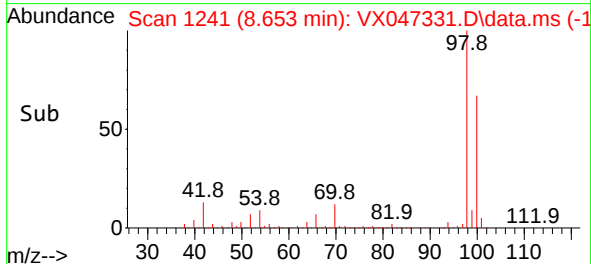
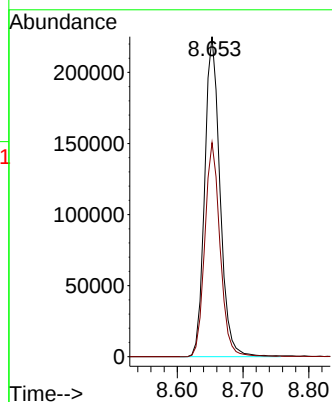
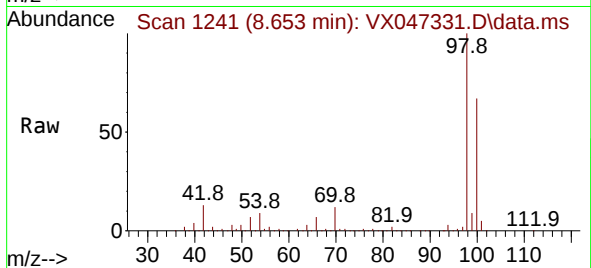




#50
Toluene-d8
Concen: 49.455 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

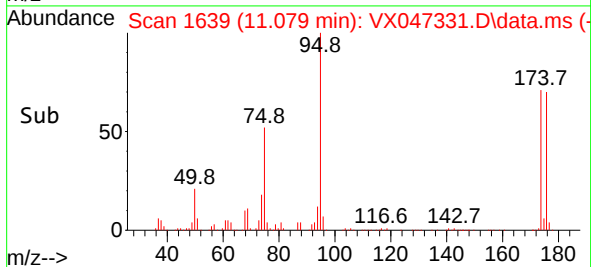
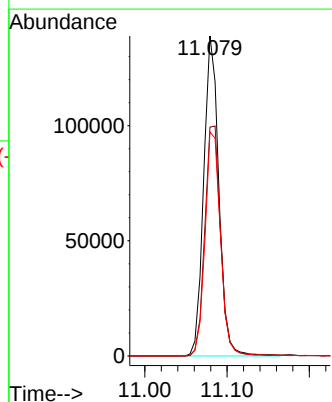
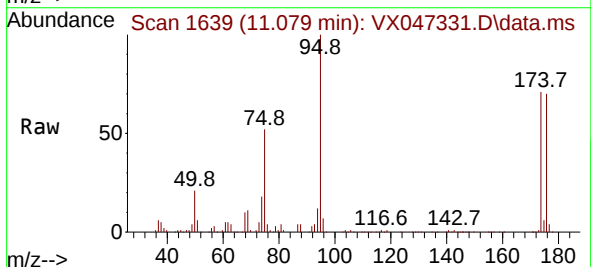
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

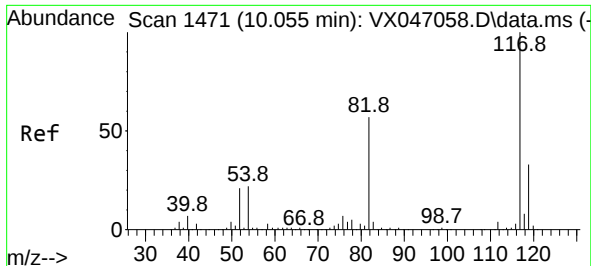
Tgt Ion: 98 Resp: 364823
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.962 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 95 Resp: 177904
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.6
176 71.6 0.0 139.6

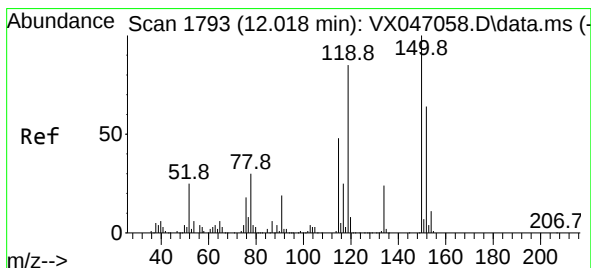
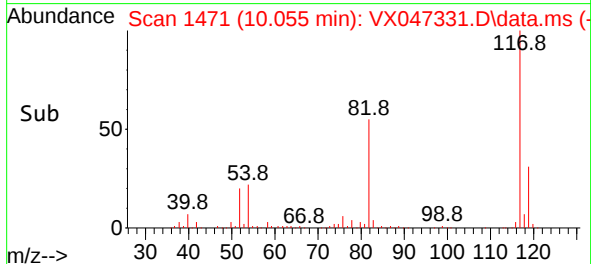
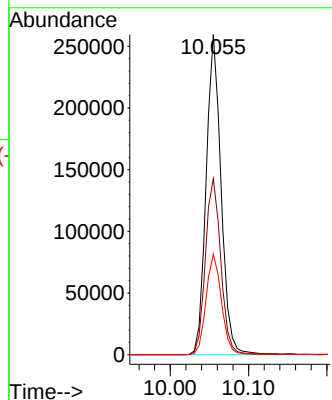
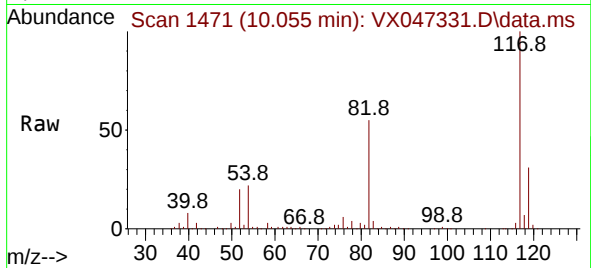




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

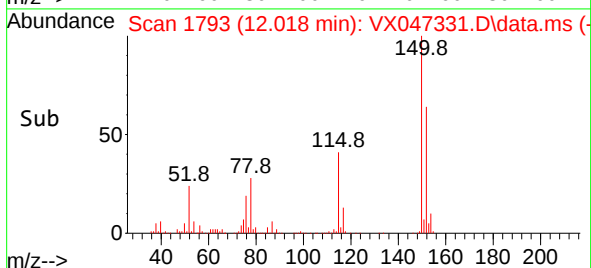
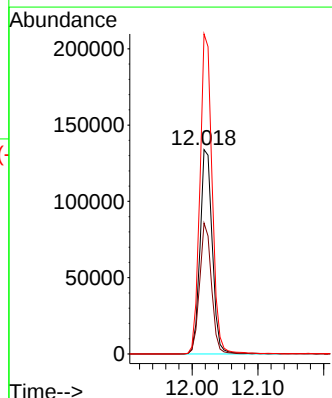
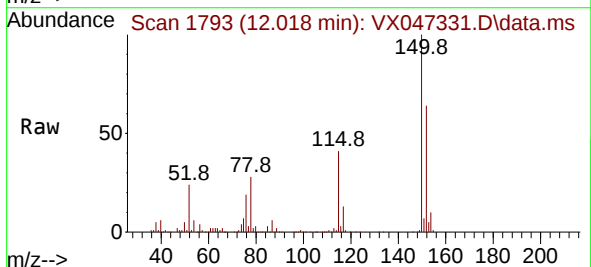
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

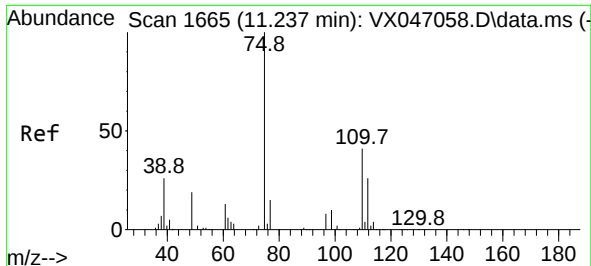
Tgt Ion:117 Resp: 342487
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.2
119 31.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion:152 Resp: 173124
Ion Ratio Lower Upper
152 100
115 61.8 45.6 136.7
150 155.9 0.0 354.6

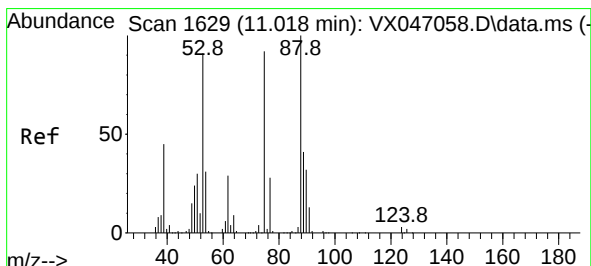
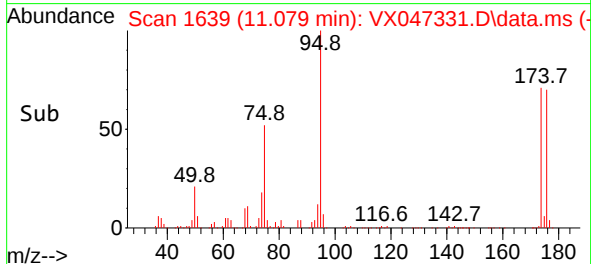
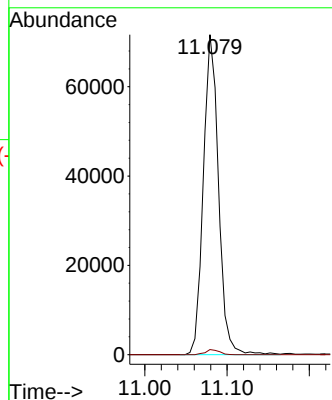
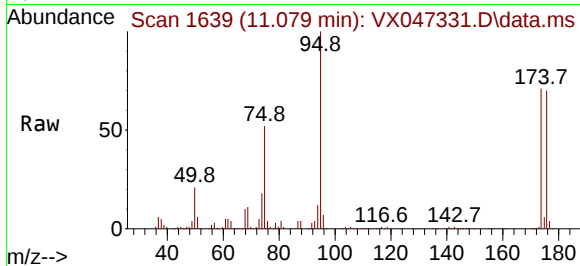




#76
1,2,3-Trichloropropane
Concen: 28.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Instrument :
MSVOA_X
ClientSampleId :
TW-88H-N

Tgt Ion: 75 Resp: 92013
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047331.D
Acq: 13 Aug 2025 18:24

Tgt Ion: 75 Resp: 92013
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

