

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047301.D
 Acq On : 12 Aug 2025 16:44
 Operator : JC/MD
 Sample : Q2814-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-S

Quant Time: Aug 13 01:24:04 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)

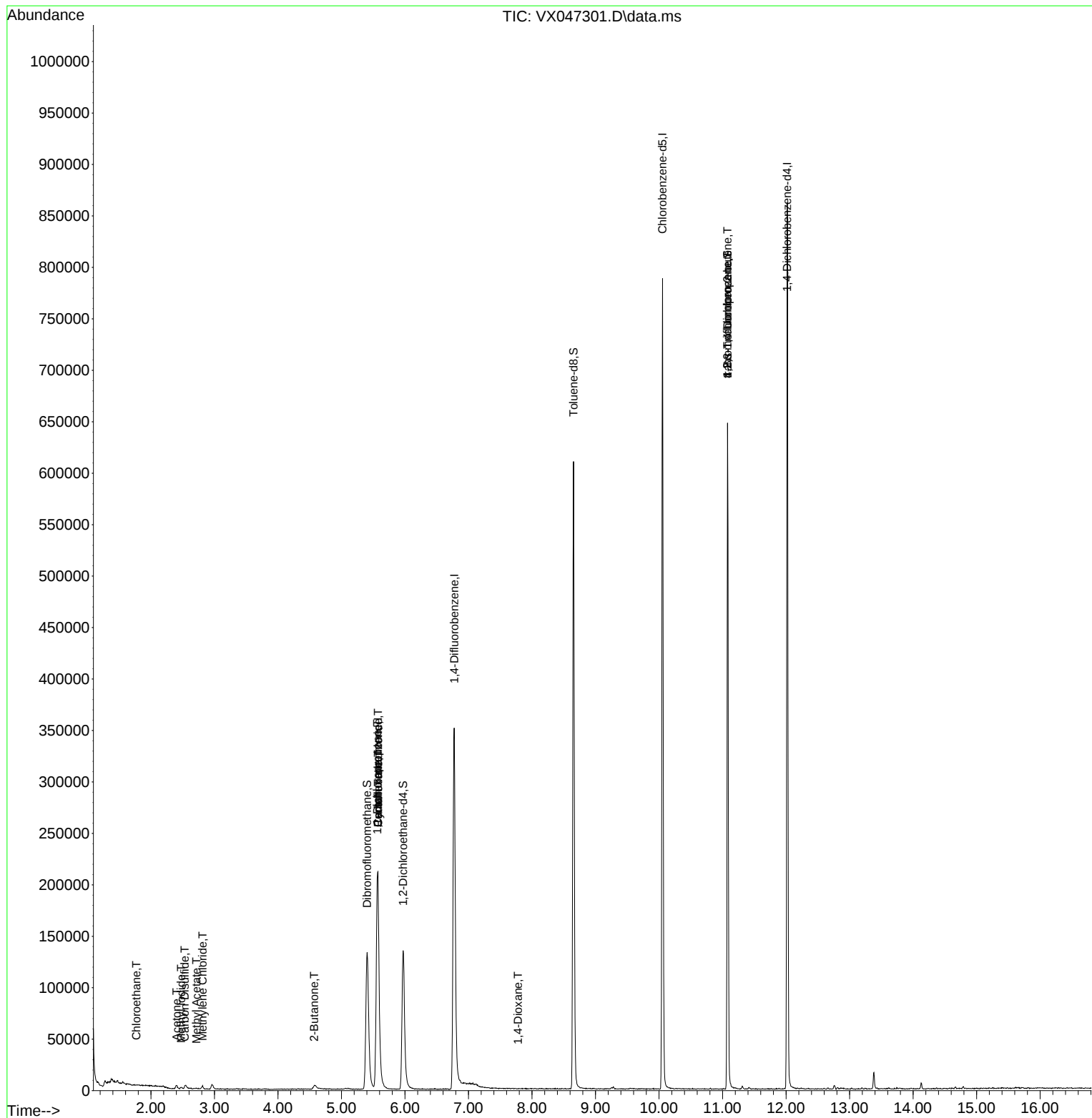
Internal Standards						
1) Pentafluorobenzene	5.574	168	217653	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.775	114	374811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	339646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	176128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	146310	53.964	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.920%	
35) Dibromofluoromethane	5.403	113	128275	55.429	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.860%	
50) Toluene-d8	8.653	98	362560	48.377	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	11.079	95	173963	53.863	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.720%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.770	64	1188	0.588	ug/l #	68
10) Methyl Iodide	2.477	142	2064	0.733	ug/l #	96
11) Tert butyl alcohol	2.959	59	2167	Below Cal	#	83
16) Acetone	2.404	43	5077	4.674	ug/l	95
17) Carbon Disulfide	2.532	76	2055	0.260	ug/l #	76
18) Methyl Acetate	2.715	43	688	0.238	ug/l #	54
20) Methylene Chloride	2.812	84	1021	0.342	ug/l #	82
25) 2-Butanone	4.568	43	339	0.214	ug/l #	52
31) Cyclohexane	5.574	56	4231	0.835	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18529	4.697	ug/l #	47
38) Carbon Tetrachloride	5.574	117	23300	5.534	ug/l #	15
49) 1,4-Dioxane	7.781	88	45	1.282	ug/l #	20
76) 1,2,3-Trichloropropane	11.079	75	89833	27.556	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	89833	70.995	ug/l #	8

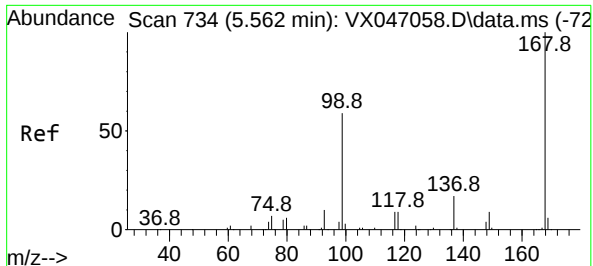
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

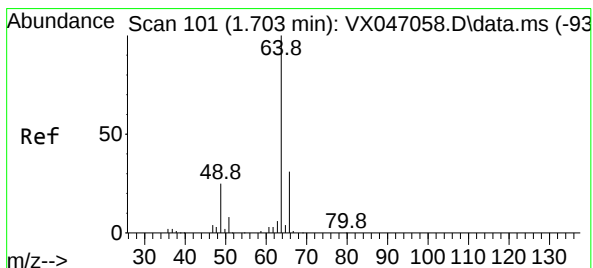
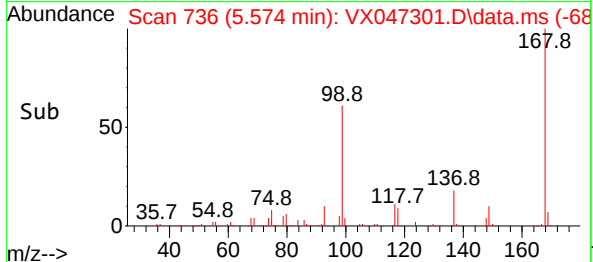
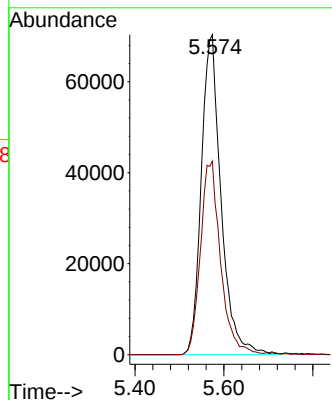
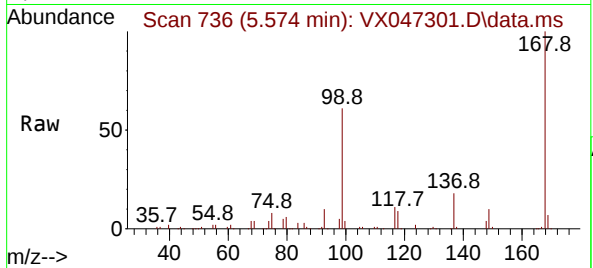




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

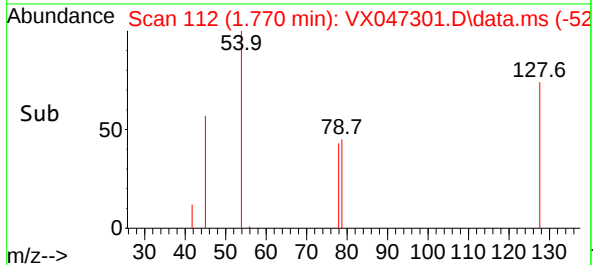
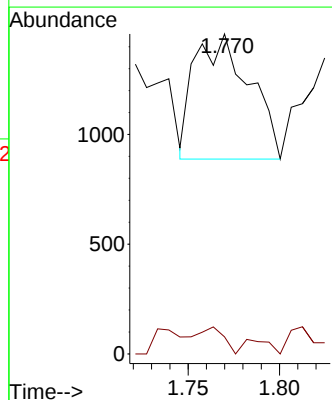
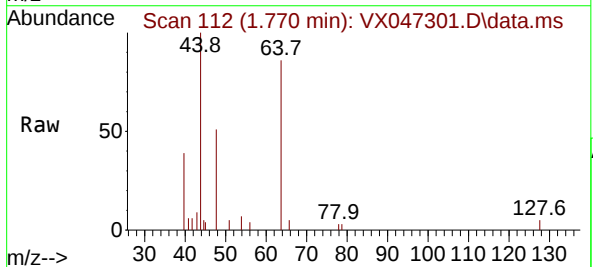
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

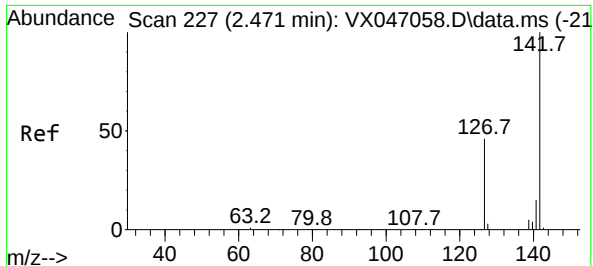
Tgt Ion:168 Resp: 217653
Ion Ratio Lower Upper
168 100
99 60.4 48.0 72.0



#6
Chloroethane
Concen: 0.588 ug/l
RT: 1.770 min Scan# 112
Delta R.T. 0.067 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

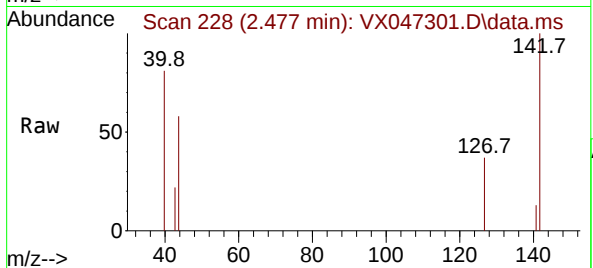
Tgt Ion: 64 Resp: 1188
Ion Ratio Lower Upper
64 100
66 13.7 25.0 37.6#



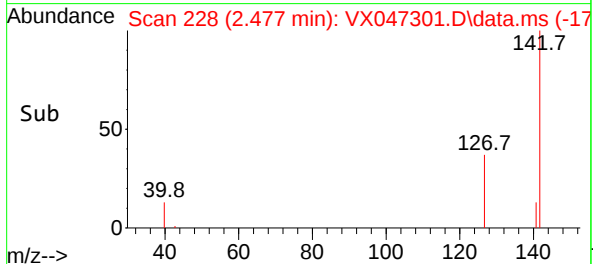
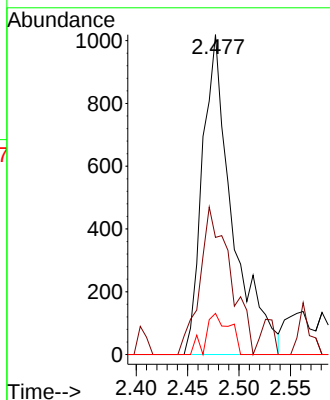


#10
Methyl Iodide
Concen: 0.733 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

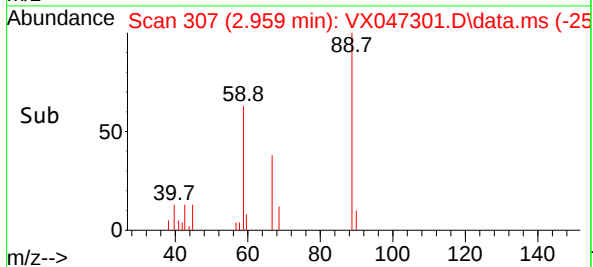
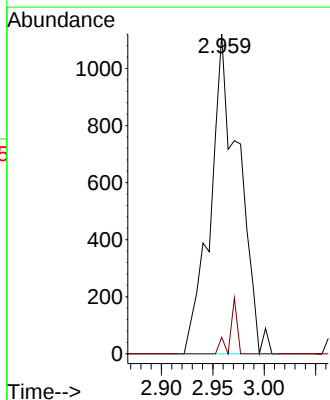
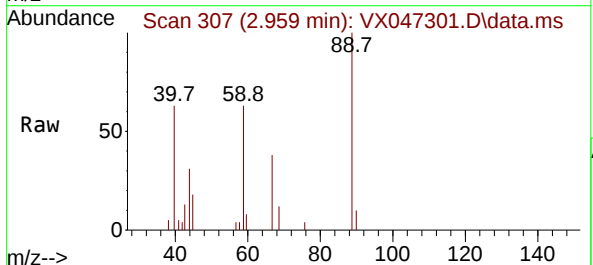


Tgt Ion:142 Resp: 2064
Ion Ratio Lower Upper
142 100
127 47.1 36.6 54.8
141 10.3 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 59 Resp: 2167
Ion Ratio Lower Upper
59 100
57 4.3 8.5 12.7#

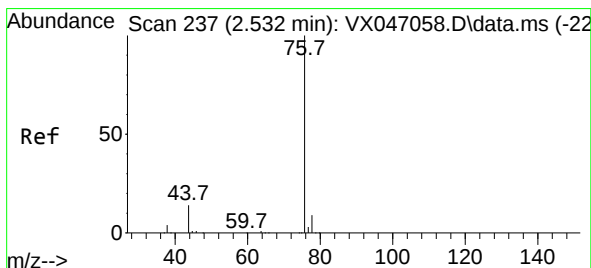
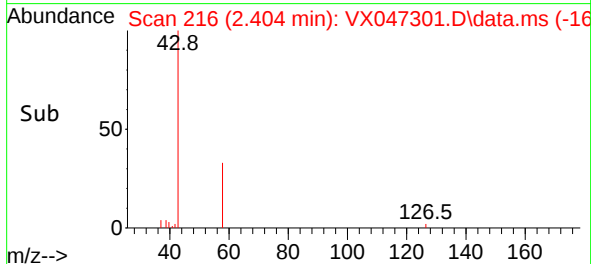
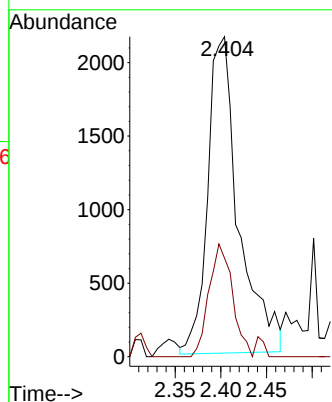
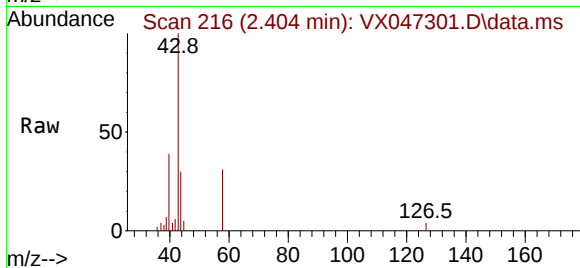




#16
Acetone
Concen: 4.674 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.019 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

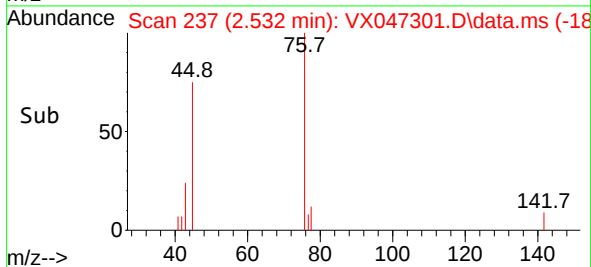
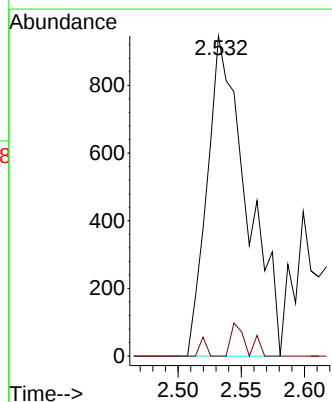
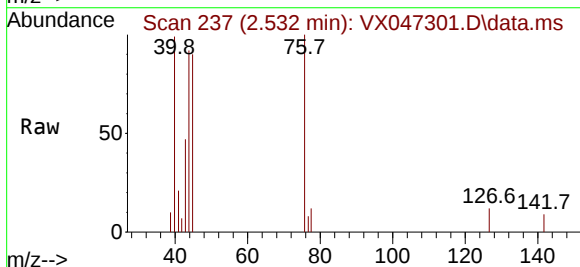
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

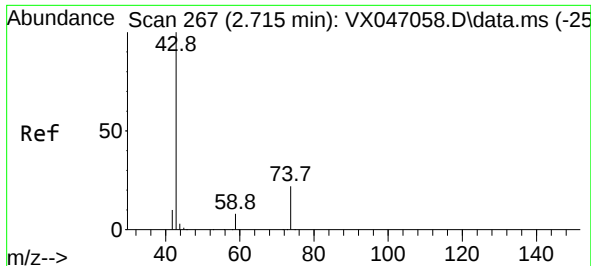
Tgt Ion: 43 Resp: 5077
Ion Ratio Lower Upper
43 100
58 32.7 24.0 36.0



#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 76 Resp: 2055
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

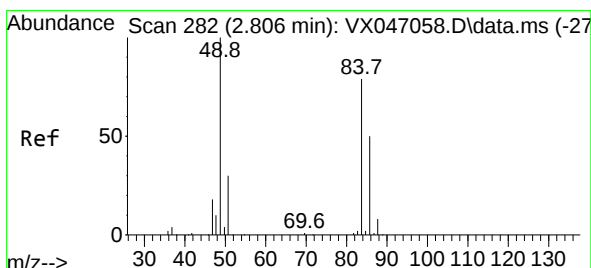
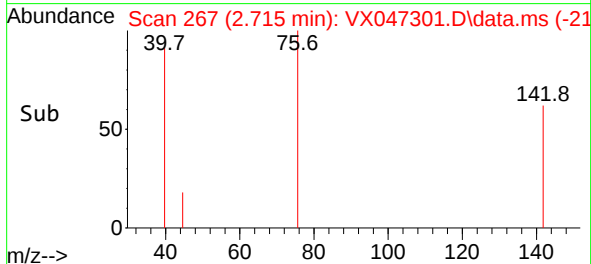
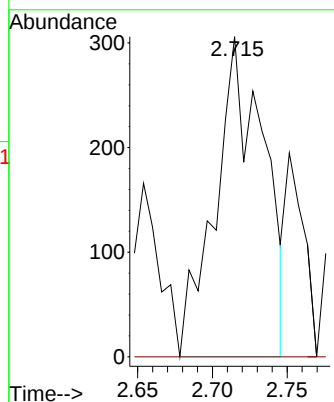
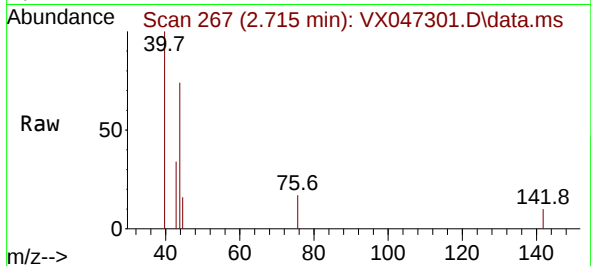




#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

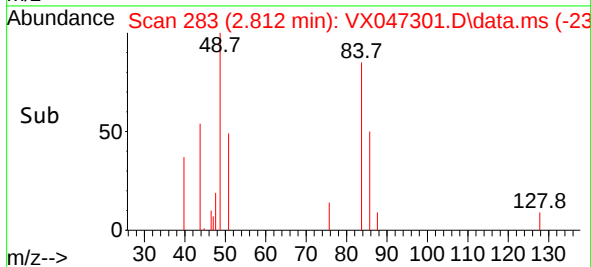
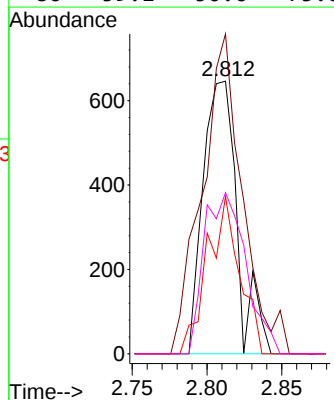
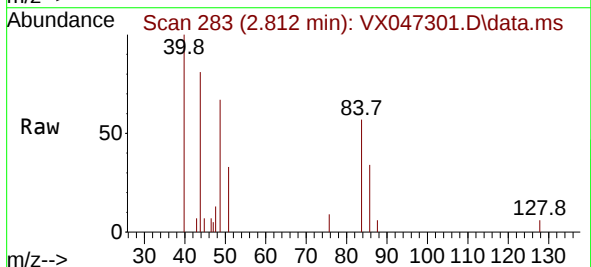
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

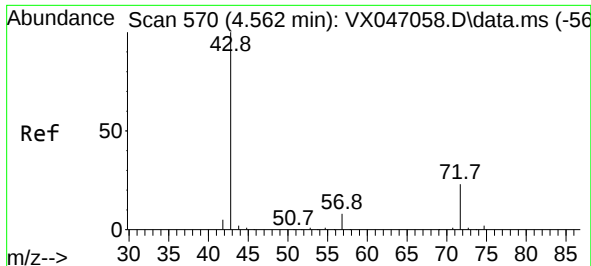
Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 84 Resp: 1021
Ion Ratio Lower Upper
84 100
49 103.3 101.6 152.4
51 57.7 30.3 45.5#
86 59.1 50.6 75.8





#25

2-Butanone

Concen: 0.214 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047301.D

Acq: 12 Aug 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

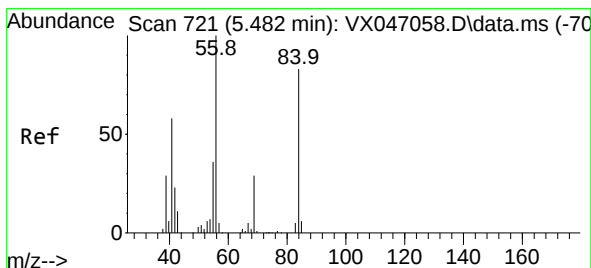
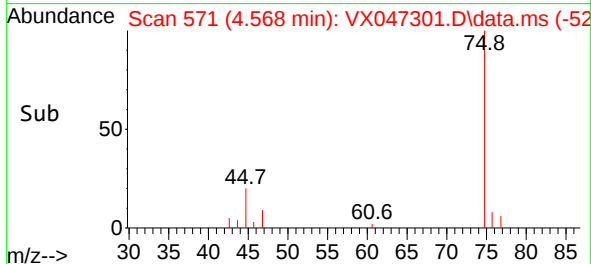
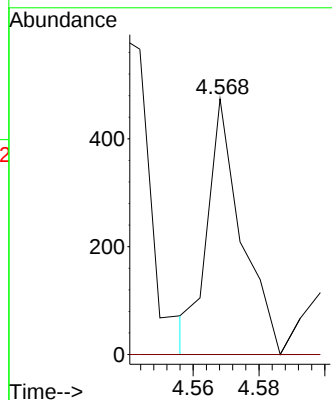
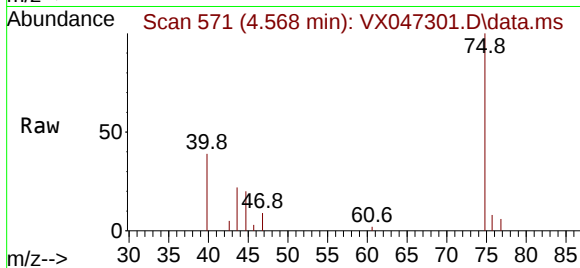
TW-38M-S

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



#31

Cyclohexane

Concen: 0.835 ug/l

RT: 5.574 min Scan# 736

Delta R.T. 0.092 min

Lab File: VX047301.D

Acq: 12 Aug 2025 16:44

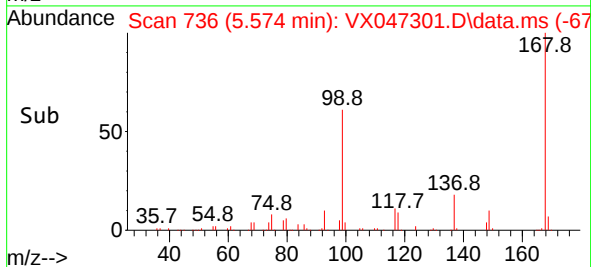
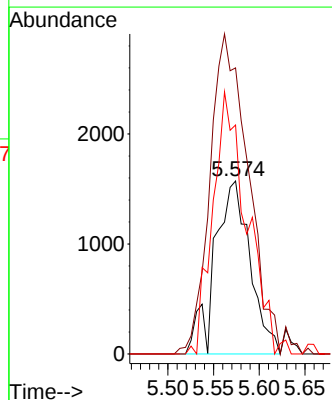
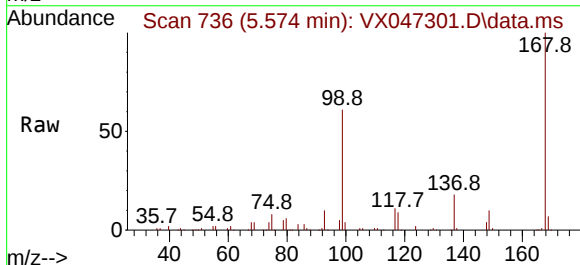
Tgt Ion: 56 Resp: 4231

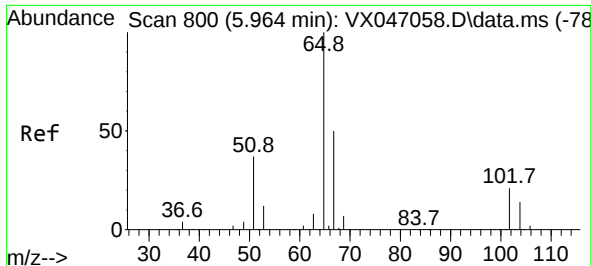
Ion Ratio Lower Upper

56 100

69 165.3 23.3 34.9#

84 132.3 66.5 99.7#

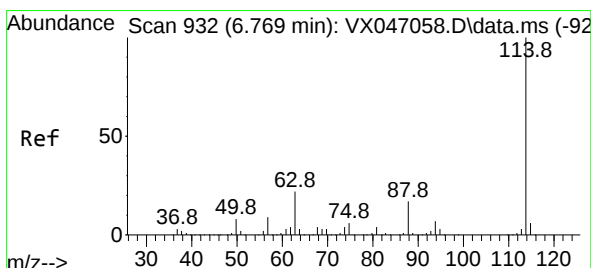
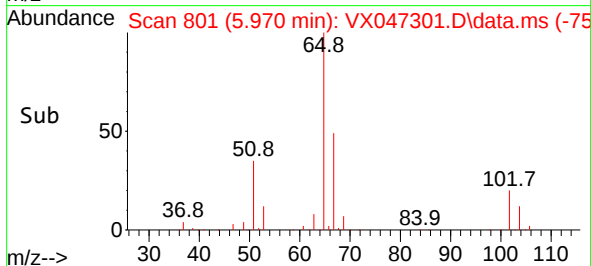
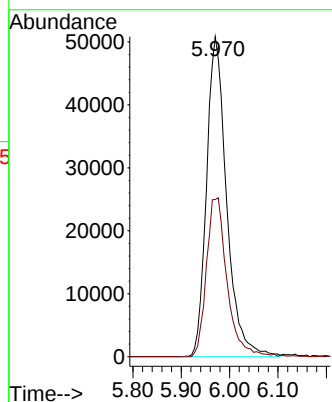
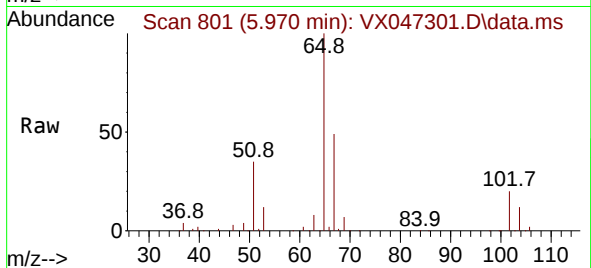




#33
 1,2-Dichloroethane-d4
 Concen: 53.964 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047301.D
 Acq: 12 Aug 2025 16:44

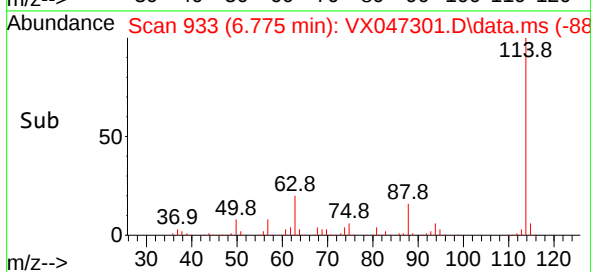
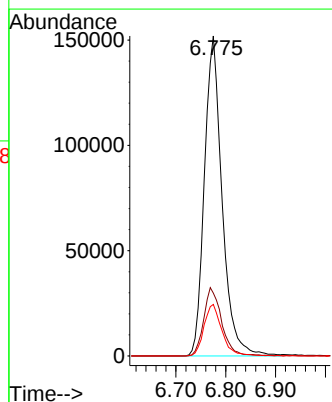
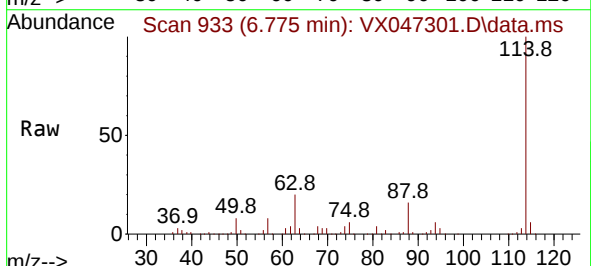
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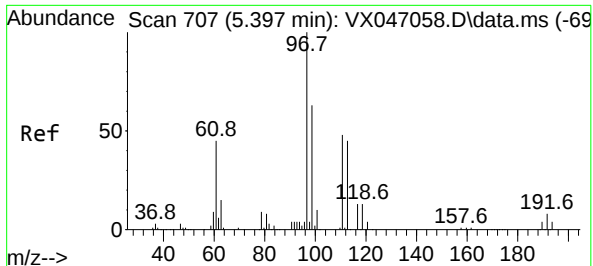
Tgt Ion: 65 Resp: 146310
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047301.D
 Acq: 12 Aug 2025 16:44

Tgt Ion: 114 Resp: 374811
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.2
 88 16.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.429 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047301.D

Acq: 12 Aug 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TW-38M-S

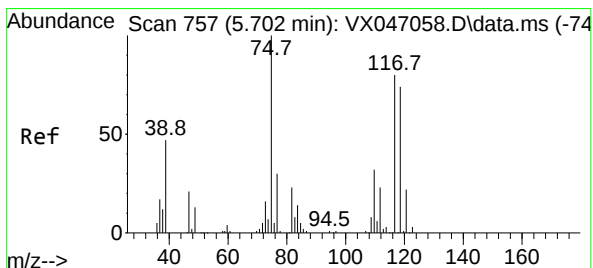
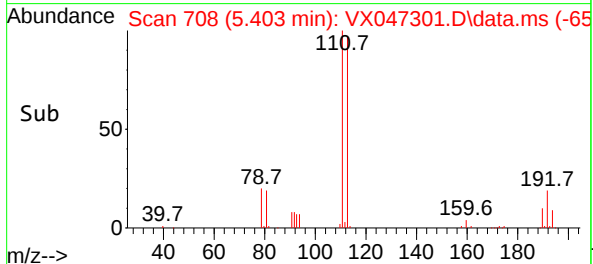
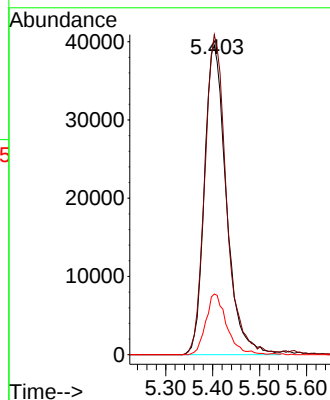
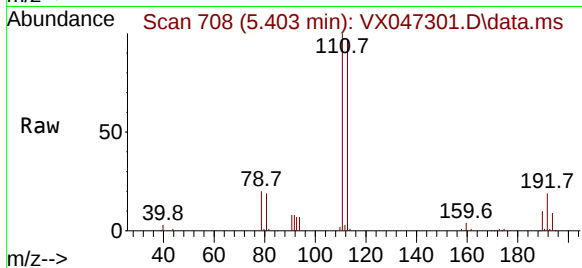
Tgt Ion:113 Resp: 128275

Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 18.7 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047301.D

Acq: 12 Aug 2025 16:44

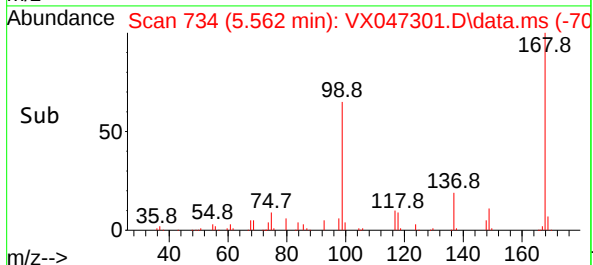
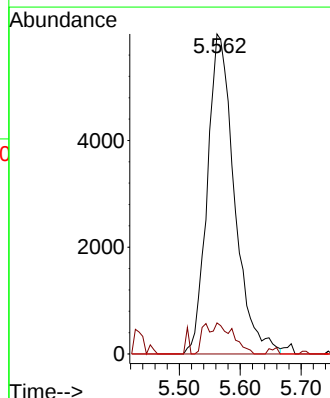
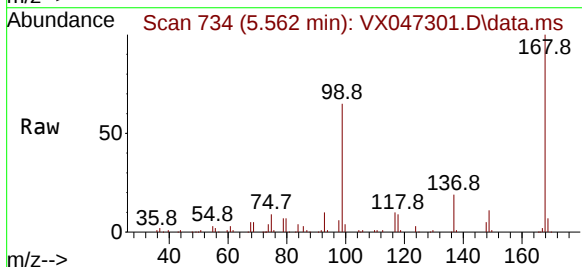
Tgt Ion: 75 Resp: 18529

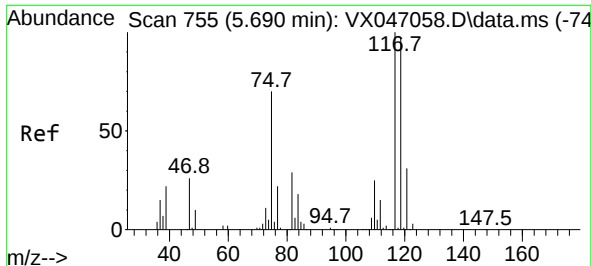
Ion Ratio Lower Upper

75 100

110 6.3 17.2 51.5#

77 0.0 25.1 37.7#

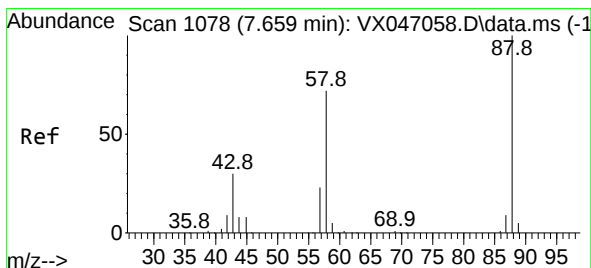
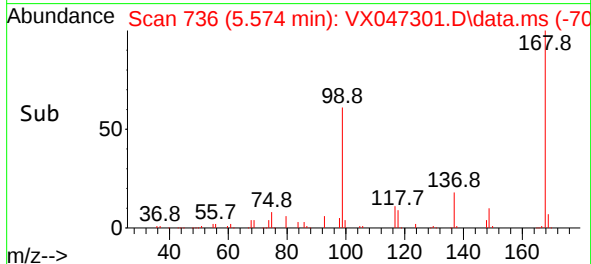
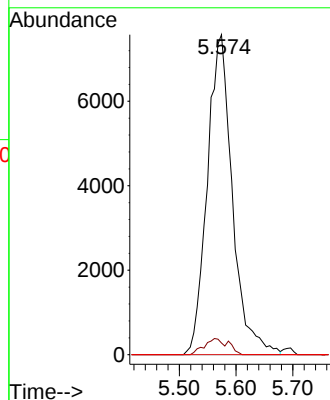
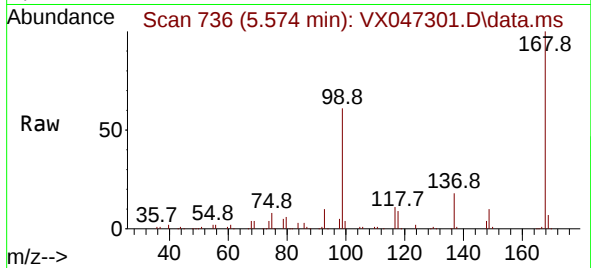




#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 5.574 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

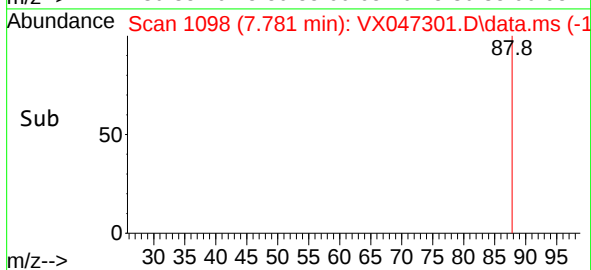
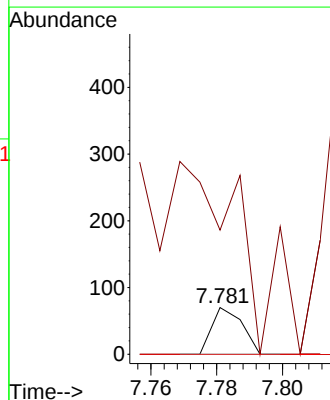
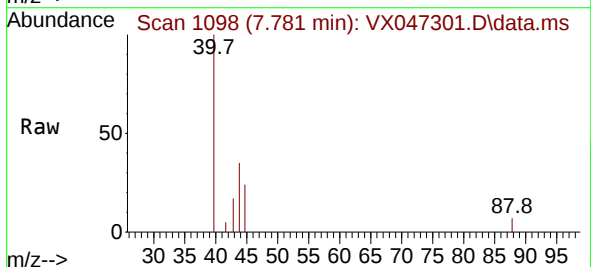
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

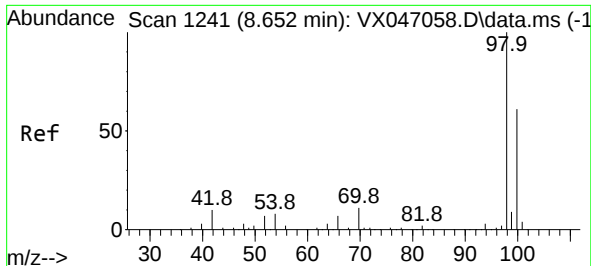
Tgt Ion:117 Resp: 23300
Ion Ratio Lower Upper
117 100
119 3.7 76.6 115.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 1.282 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 33.6 50.4#
58 0.0 58.8 88.2#

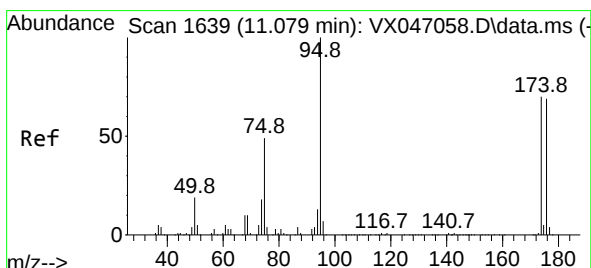
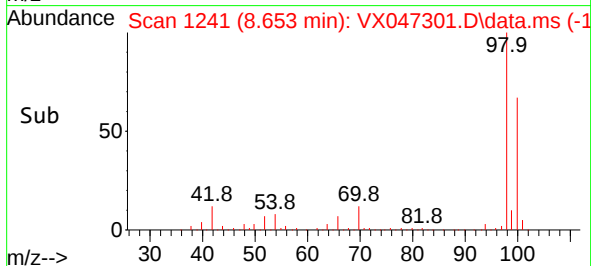
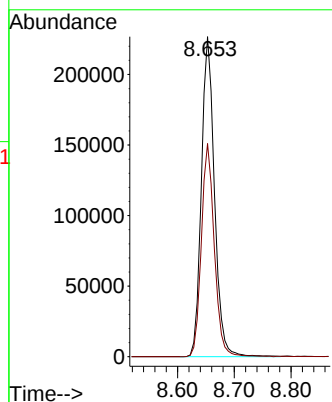
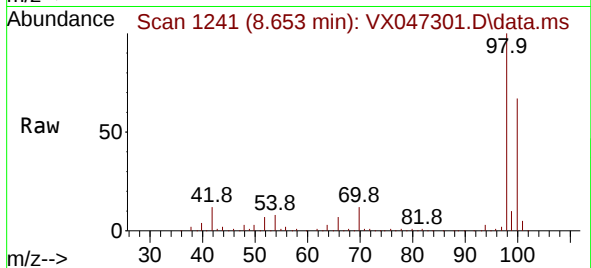




#50
Toluene-d8
Concen: 48.377 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

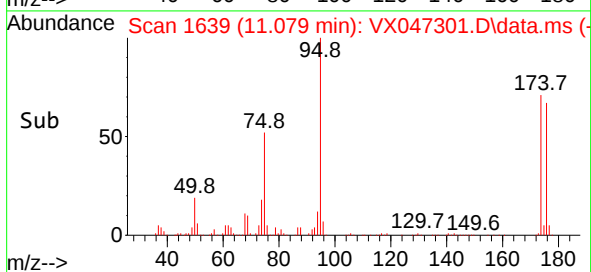
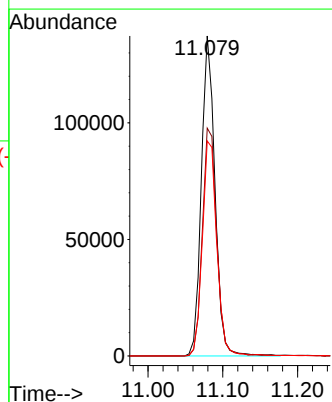
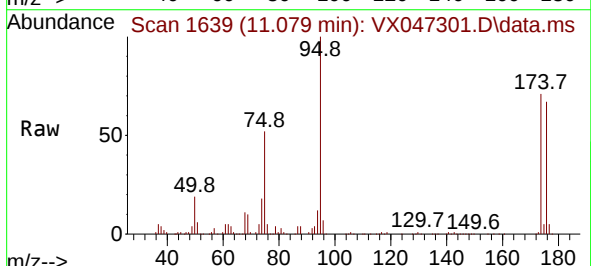
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

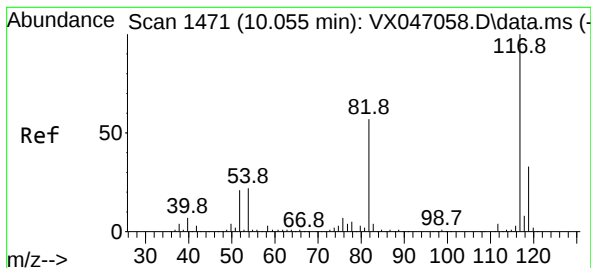
Tgt Ion: 98 Resp: 362560
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 95 Resp: 173963
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.6
176 71.8 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: VX047301.D

Acq: 12 Aug 2025 16:44

Instrument :

MSVOA_X

ClientSampleId :

TW-38M-S

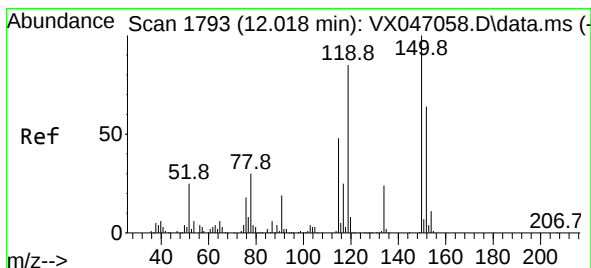
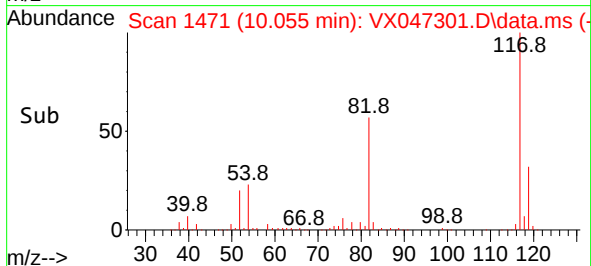
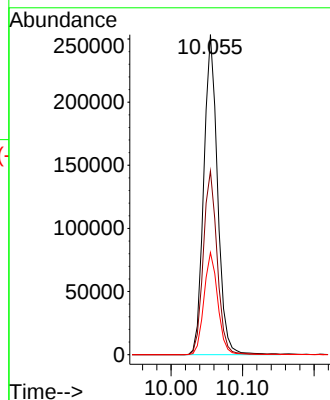
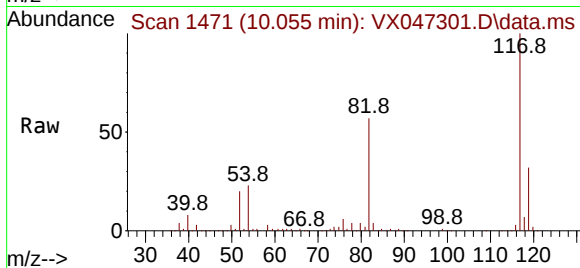
Tgt Ion:117 Resp: 339646

Ion Ratio Lower Upper

117 100

82 57.4 45.4 68.2

119 31.9 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: VX047301.D

Acq: 12 Aug 2025 16:44

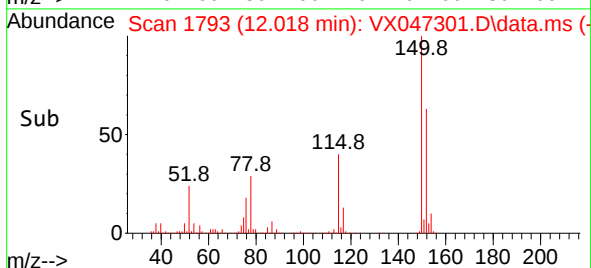
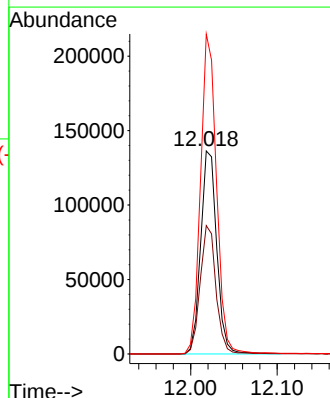
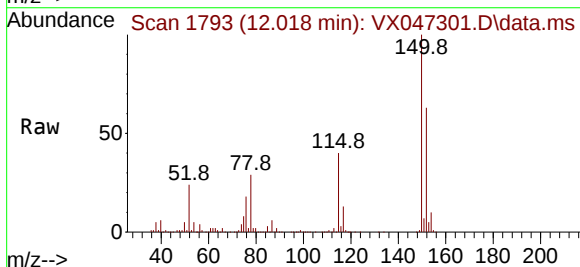
Tgt Ion:152 Resp: 176128

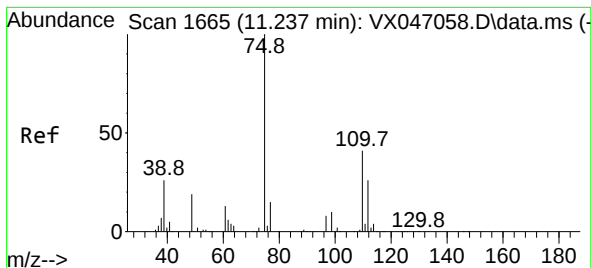
Ion Ratio Lower Upper

152 100

115 62.4 45.6 136.7

150 155.4 0.0 354.6

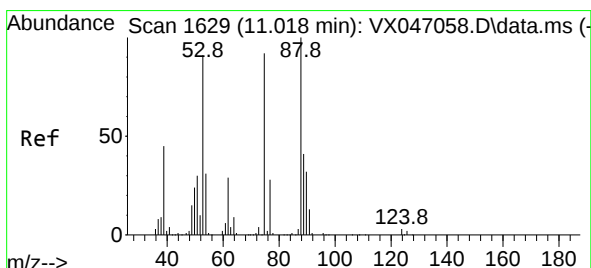
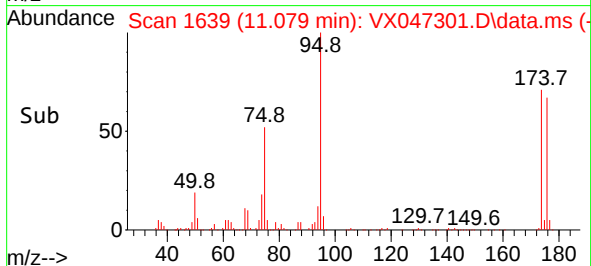
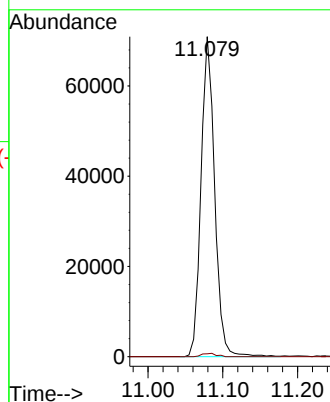
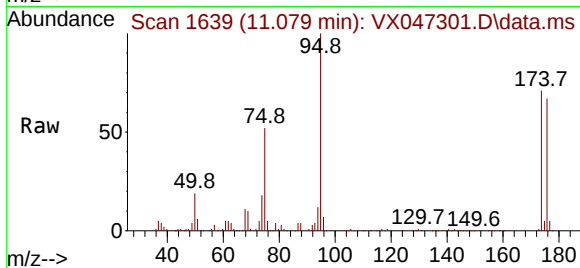




#76
1,2,3-Trichloropropane
Concen: 27.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion: 75 Resp: 89833
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.995 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 75 Resp: 89833
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

