

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047325.D
 Acq On : 13 Aug 2025 16:13
 Operator : JC/MD
 Sample : Q2815-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10PC-W

Quant Time: Aug 14 03:31:06 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)

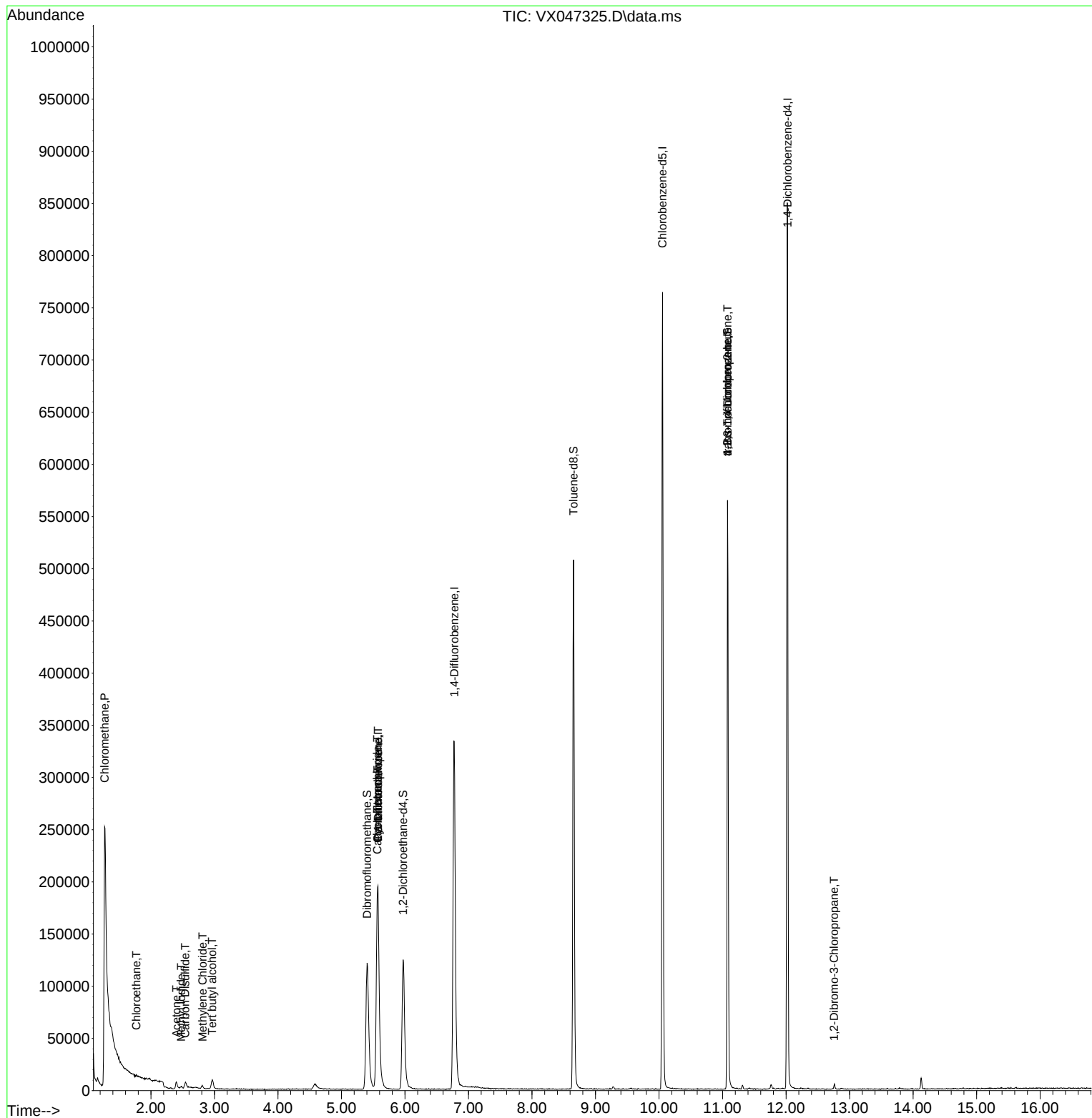
Internal Standards						
1) Pentafluorobenzene	5.574	168	199704	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.775	114	367015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	134783	54.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.360%			
35) Dibromofluoromethane	5.404	113	116221	51.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.653	98	308913	42.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 84.180%#			
62) 4-Bromofluorobenzene	11.079	95	150816	47.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.380%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	13758	5.243	ug/l #	43
6) Chloroethane	1.770	64	813	0.439	ug/l #	67
10) Methyl Iodide	2.477	142	2296	0.889	ug/l #	90
11) Tert butyl alcohol	2.965	59	5205	7.939	ug/l #	74
16) Acetone	2.398	43	9001	9.032	ug/l	93
17) Carbon Disulfide	2.538	76	5047	0.695	ug/l #	93
20) Methylene Chloride	2.813	84	1289	0.470	ug/l #	75
31) Cyclohexane	5.568	56	4326	0.930	ug/l #	1
36) 1,1-Dichloropropene	5.574	75	16954	4.389	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21579	5.234	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	79779	24.680	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	79779	63.585	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	216	0.286	ug/l #	2

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

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Quant Time: Aug 14 03:31:06 2025
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

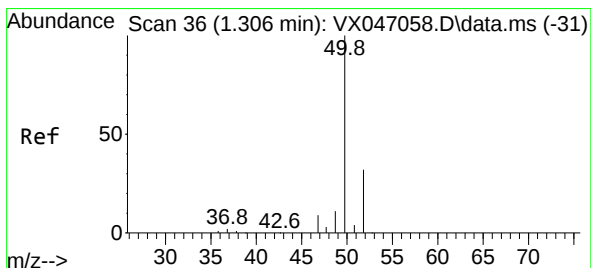
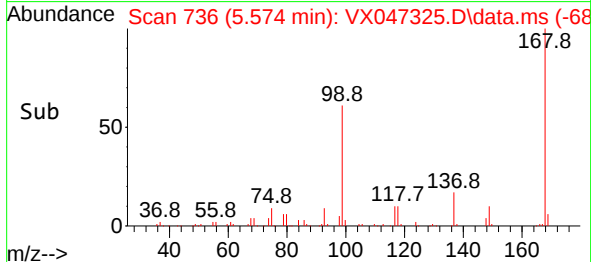
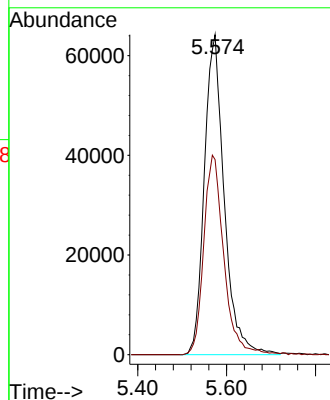
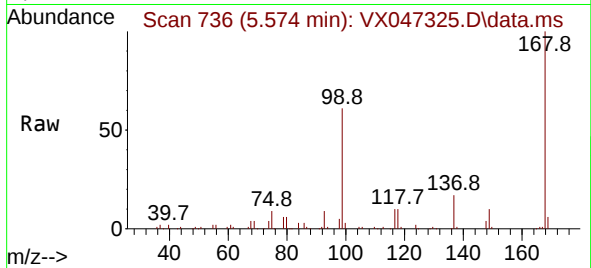




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

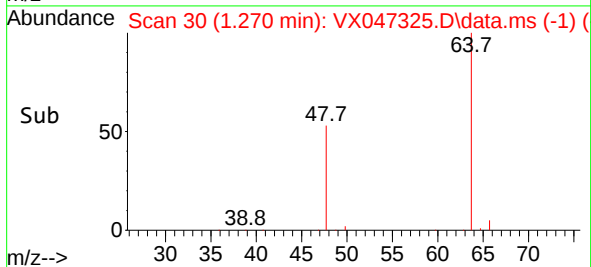
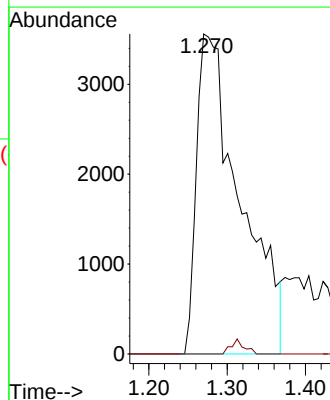
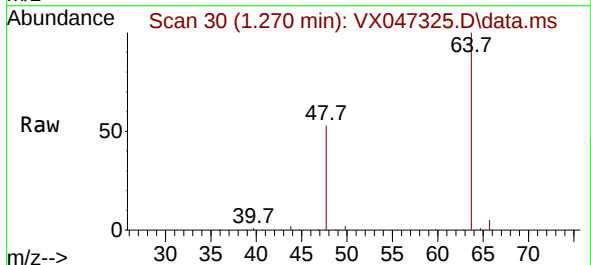
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

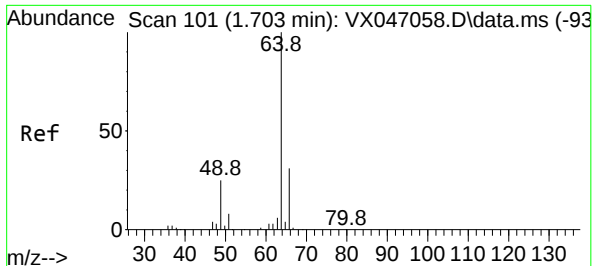
Tgt Ion:168 Resp: 199704
Ion Ratio Lower Upper
168 100
99 61.0 48.0 72.0



#3
Chloromethane
Concen: 5.243 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.036 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion: 50 Resp: 13758
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

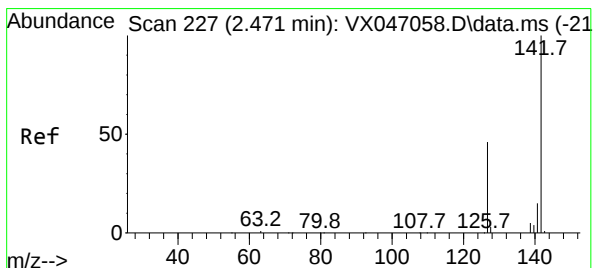
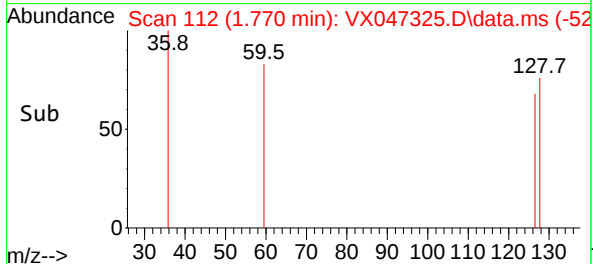
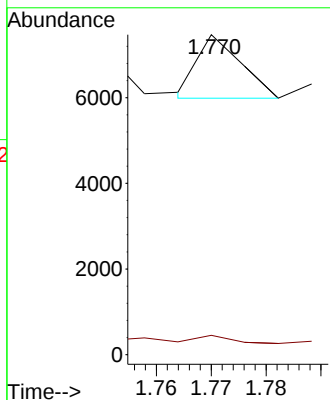
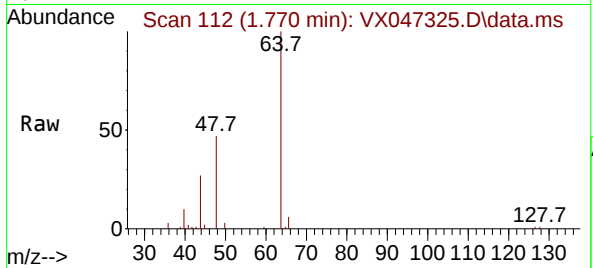




#6
Chloroethane
Concen: 0.439 ug/l
RT: 1.770 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

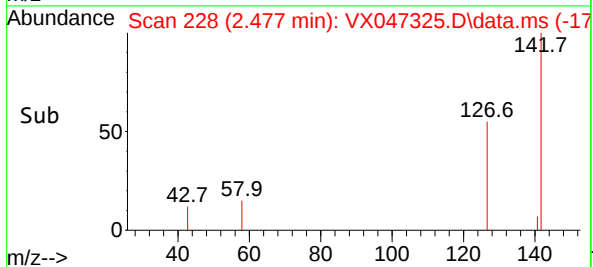
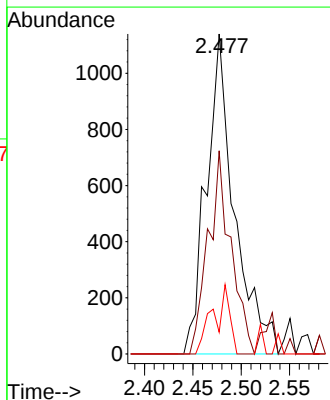
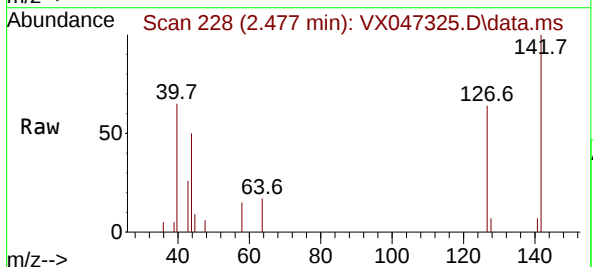
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

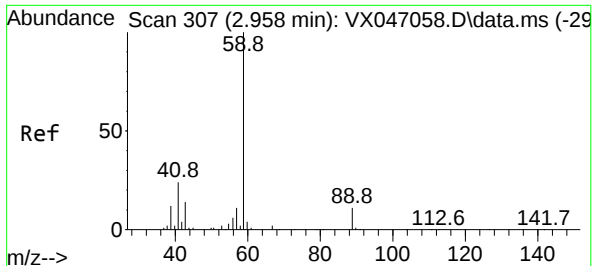
Tgt Ion: 64 Resp: 813
Ion Ratio Lower Upper
64 100
66 12.8 25.0 37.6#



#10
Methyl Iodide
Concen: 0.889 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion:142 Resp: 2296
Ion Ratio Lower Upper
142 100
127 51.3 36.6 54.8
141 7.0 10.9 16.3#





#11

Tert butyl alcohol

Concen: 7.939 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.007 min

Lab File: VX047325.D

Acq: 13 Aug 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

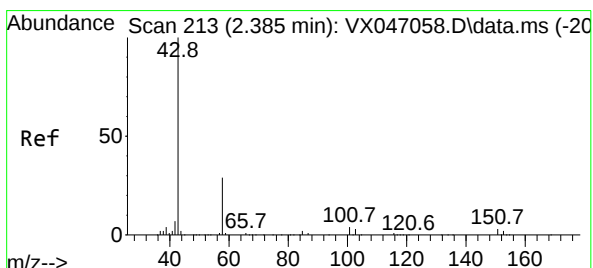
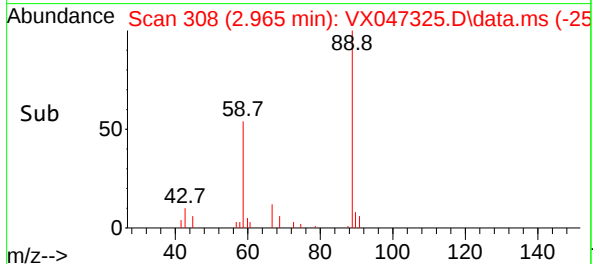
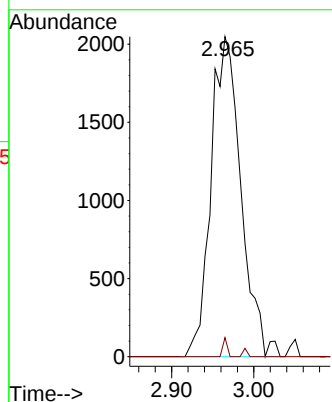
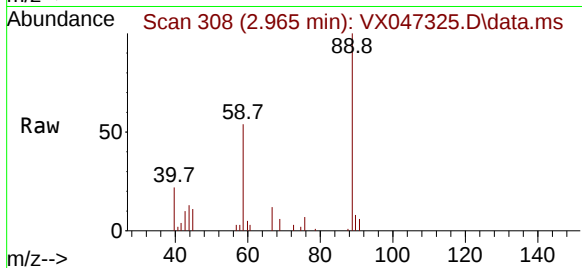
TW-10PC-W

Tgt Ion: 59 Resp: 5205

Ion Ratio Lower Upper

59 100

57 0.9 8.5 12.7#



#16

Acetone

Concen: 9.032 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.013 min

Lab File: VX047325.D

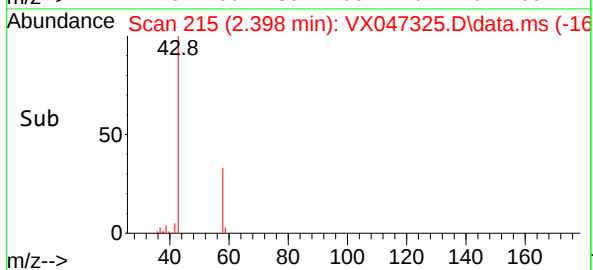
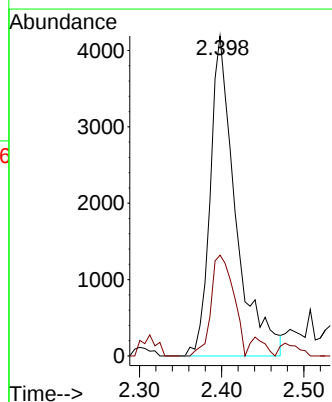
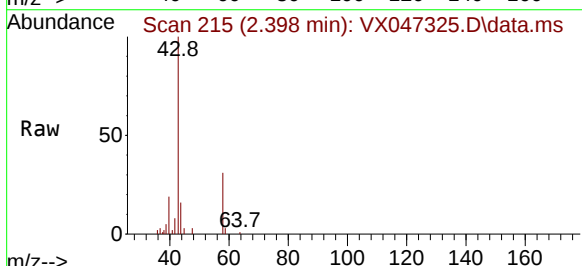
Acq: 13 Aug 2025 16:13

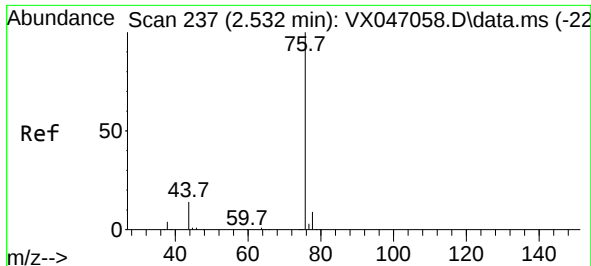
Tgt Ion: 43 Resp: 9001

Ion Ratio Lower Upper

43 100

58 33.8 24.0 36.0





#17

Carbon Disulfide

Concen: 0.695 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX047325.D

Acq: 13 Aug 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

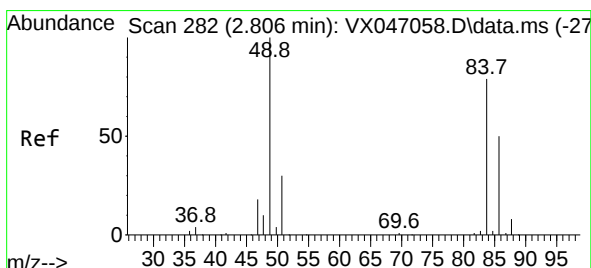
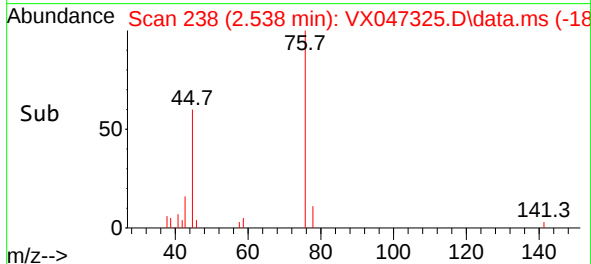
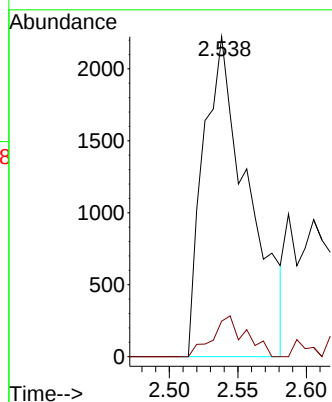
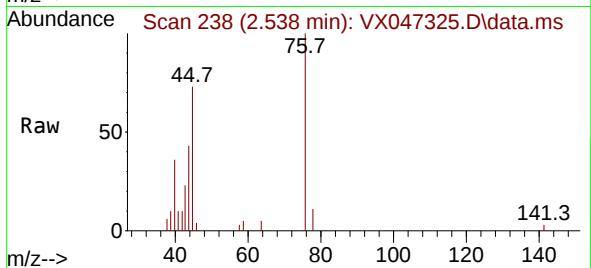
TW-10PC-W

Tgt Ion: 76 Resp: 5047

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.4#



#20

Methylene Chloride

Concen: 0.470 ug/l

RT: 2.813 min Scan# 283

Delta R.T. 0.007 min

Lab File: VX047325.D

Acq: 13 Aug 2025 16:13

Tgt Ion: 84 Resp: 1289

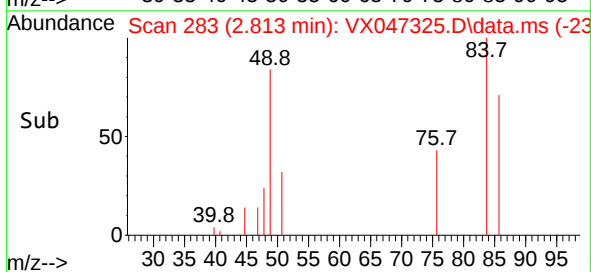
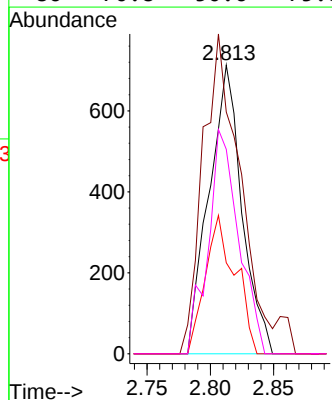
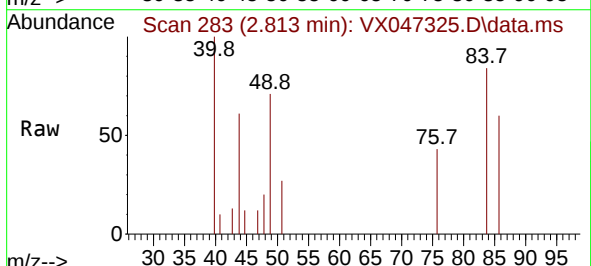
Ion Ratio Lower Upper

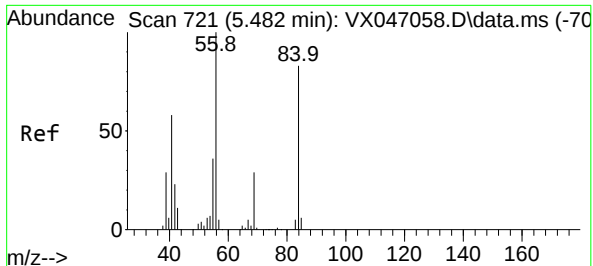
84 100

49 83.7 101.6 152.4#

51 31.6 30.3 45.5

86 70.8 50.6 75.8

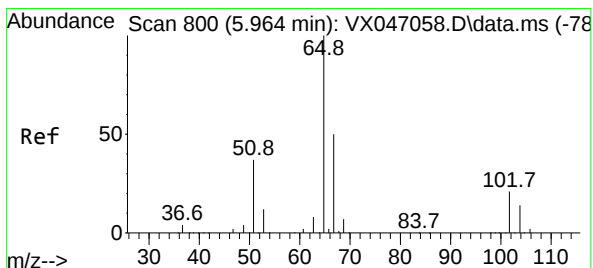
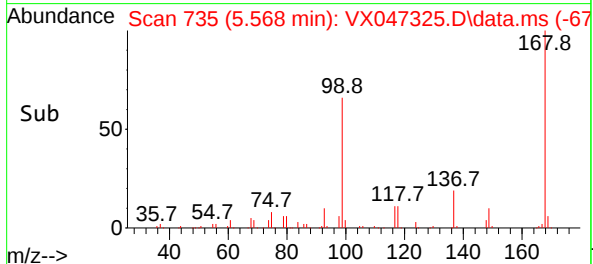
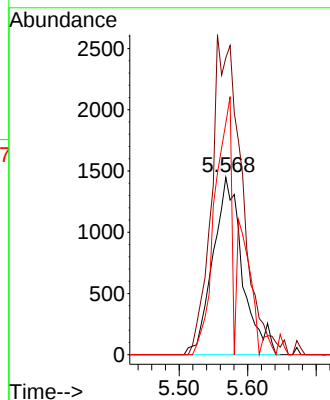
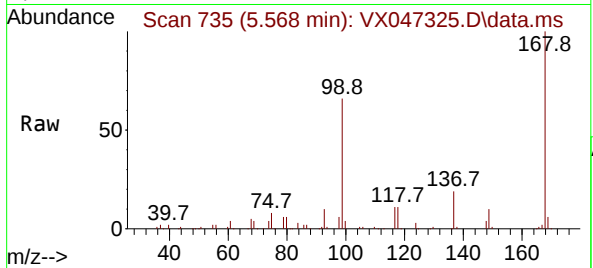




#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

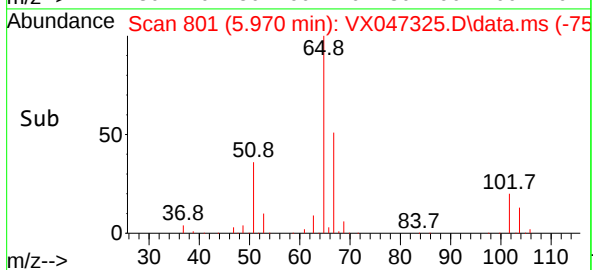
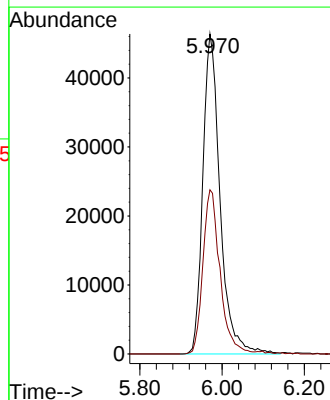
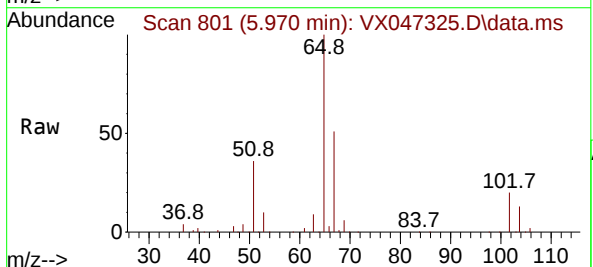
Instrument :
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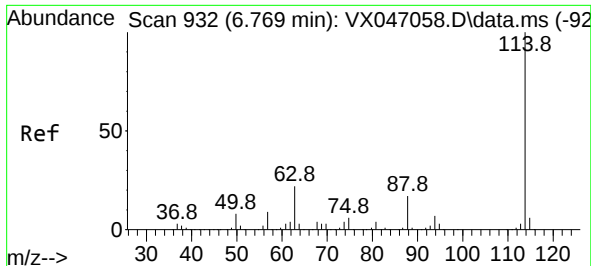
Tgt Ion: 56 Resp: 4326
Ion Ratio Lower Upper
56 100
69 167.3 23.3 34.9#
84 130.5 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 54.180 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion: 65 Resp: 134783
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

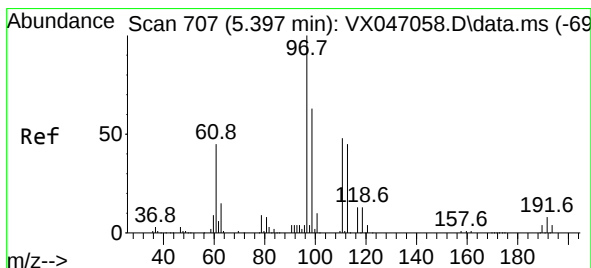
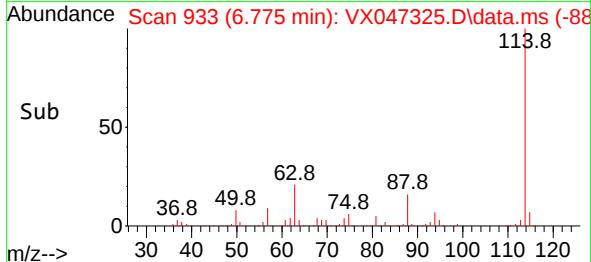
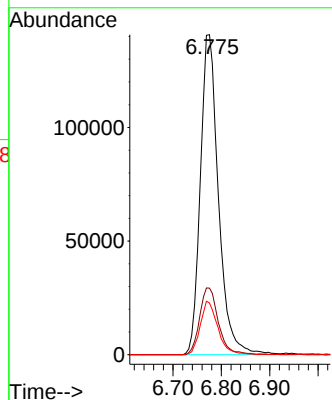
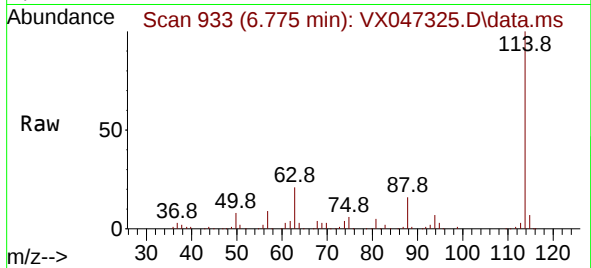




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.007 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

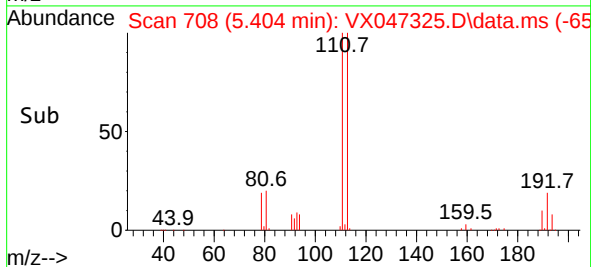
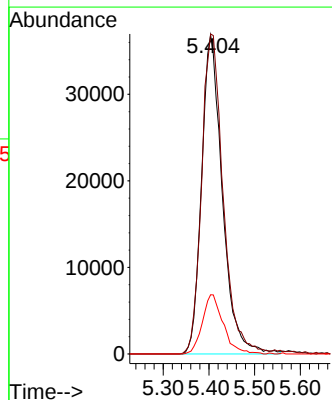
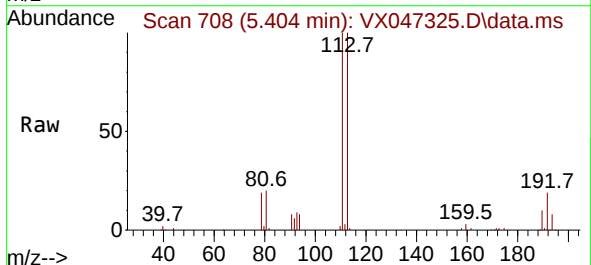
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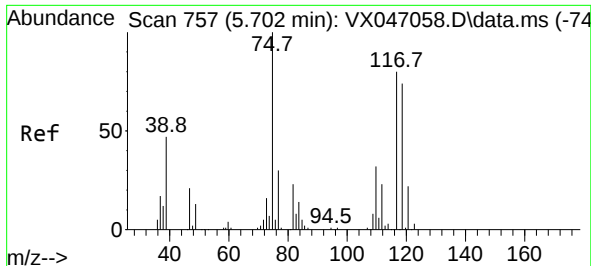
Tgt Ion:114 Resp: 367015
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.287 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion:113 Resp: 116221
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 18.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.389 ug/l

RT: 5.574 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX047325.D

Acq: 13 Aug 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

TW-10PC-W

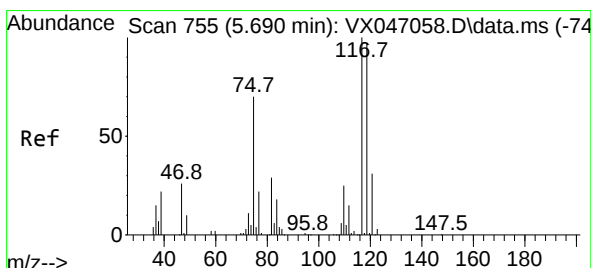
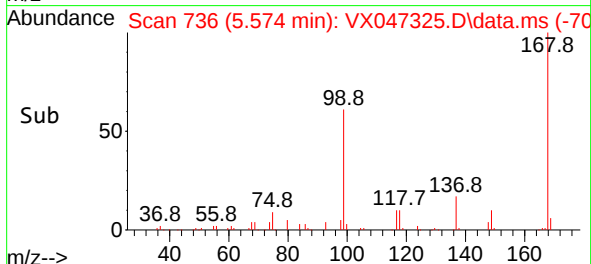
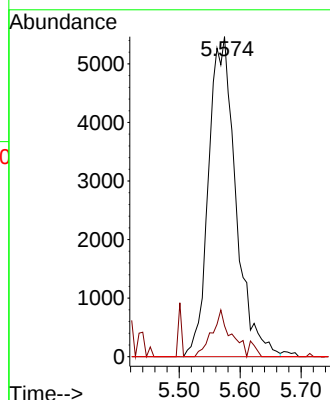
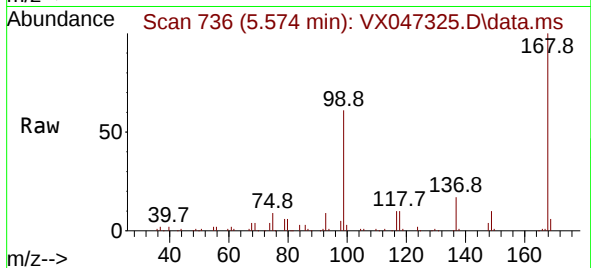
Tgt Ion: 75 Resp: 16954

Ion Ratio Lower Upper

75 100

110 10.1 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.234 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047325.D

Acq: 13 Aug 2025 16:13

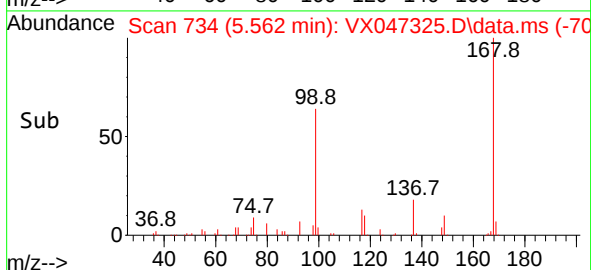
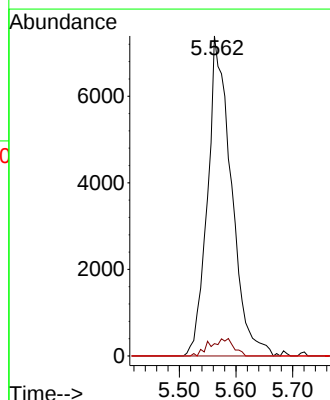
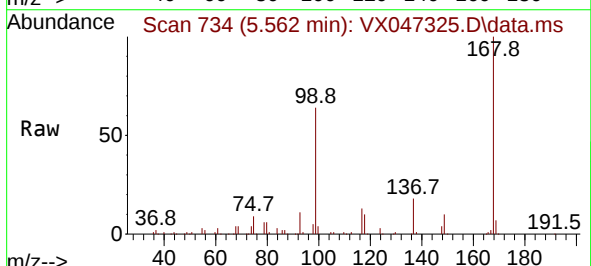
Tgt Ion: 117 Resp: 21579

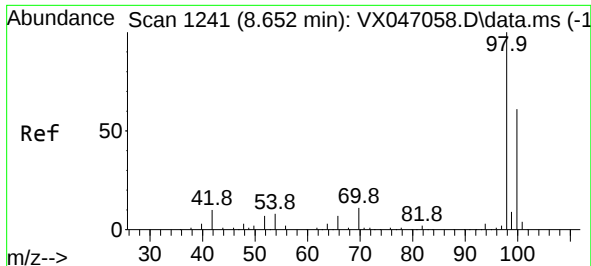
Ion Ratio Lower Upper

117 100

119 3.8 76.6 115.0#

121 0.0 24.4 36.6#

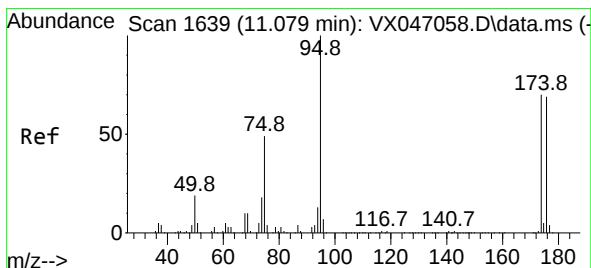
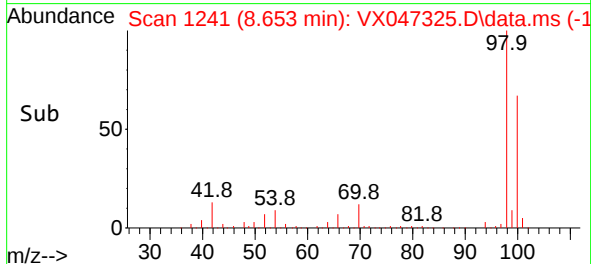
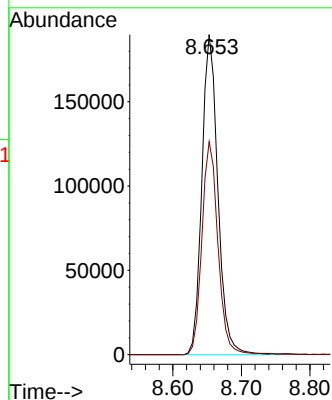
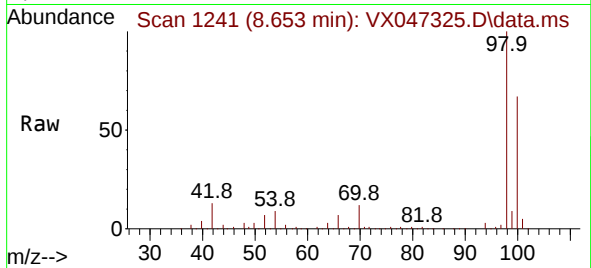




#50
Toluene-d8
Concen: 42.094 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

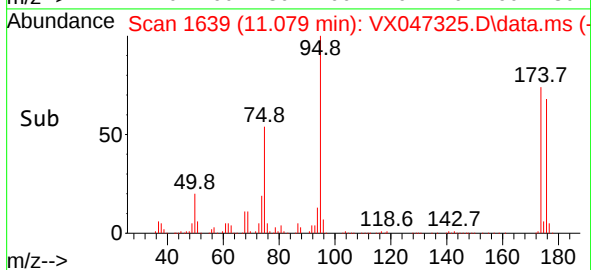
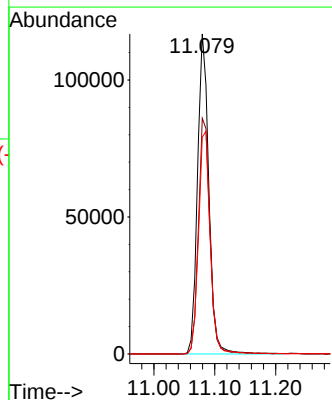
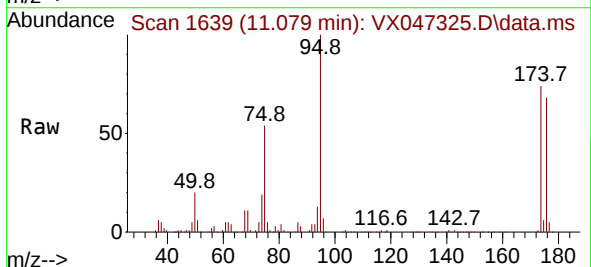
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

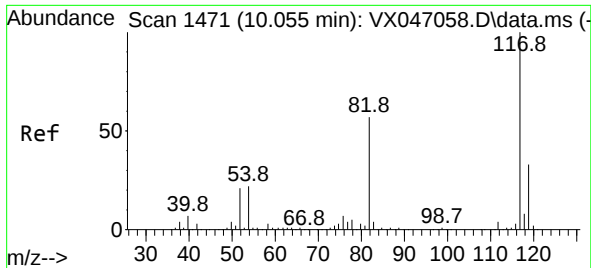
Tgt Ion: 98 Resp: 308913
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.688 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion: 95 Resp: 150816
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.6
176 71.7 0.0 139.6

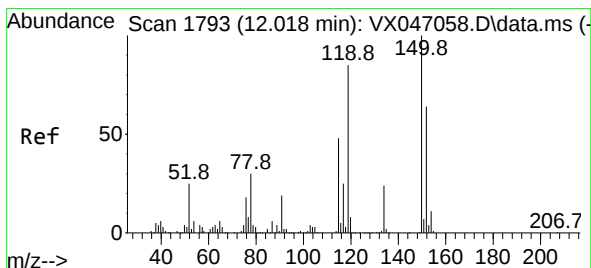
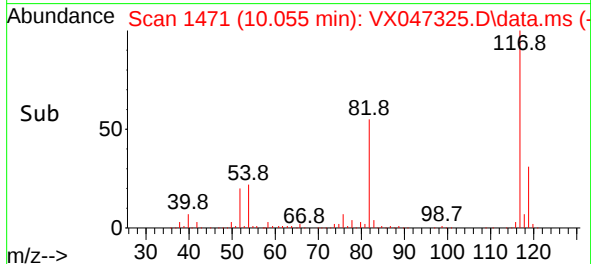
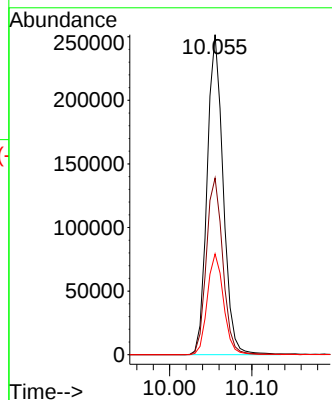
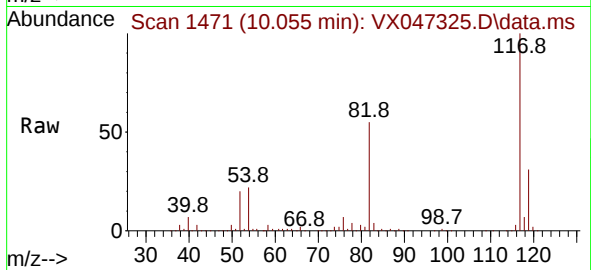




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

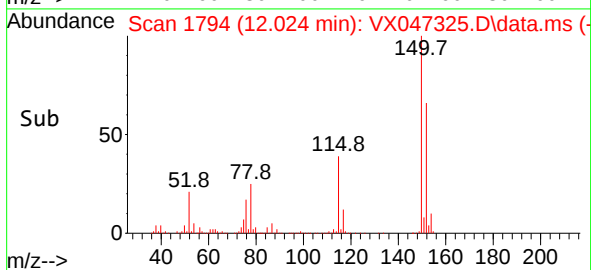
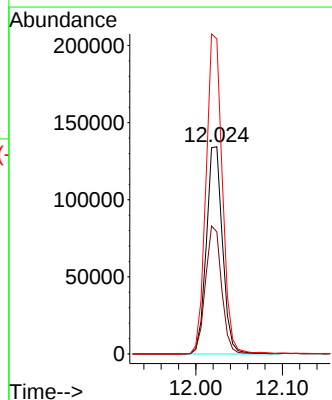
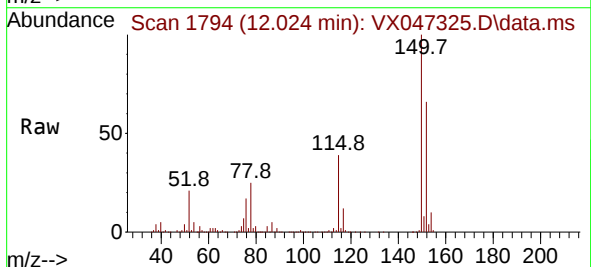
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

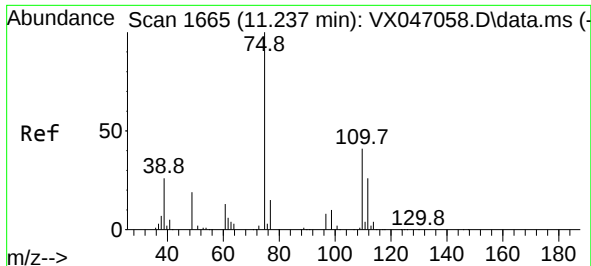
Tgt Ion:117 Resp: 340450
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.2
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.007 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Tgt Ion:152 Resp: 174644
Ion Ratio Lower Upper
152 100
115 61.6 45.6 136.7
150 155.4 0.0 354.6

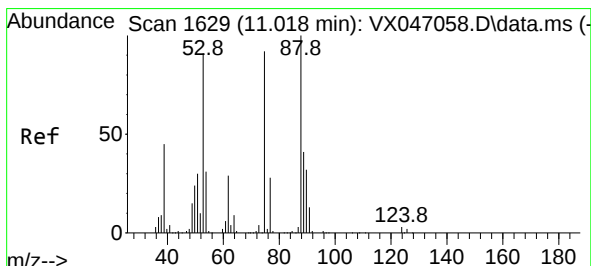
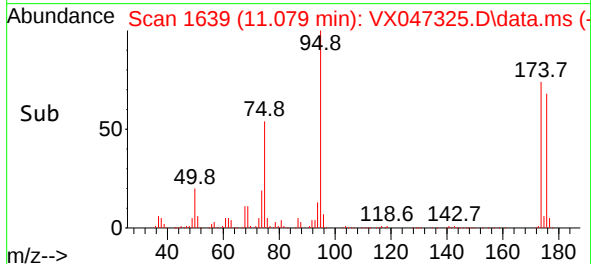
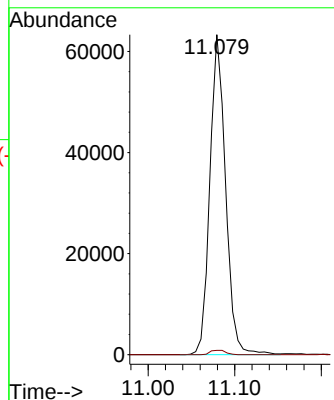
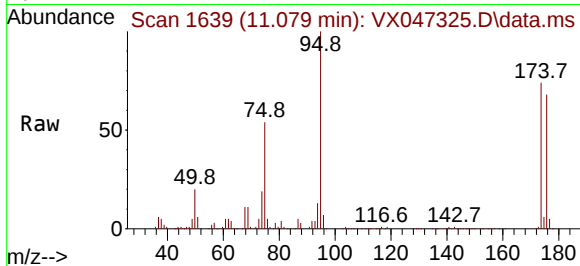




#76
1,2,3-Trichloropropane
Concen: 24.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

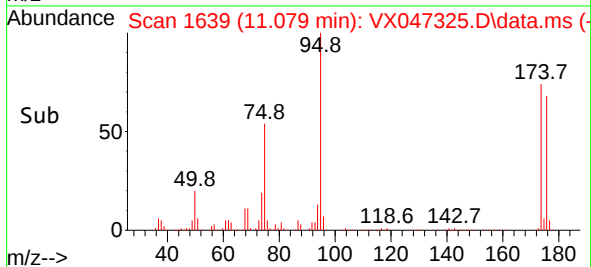
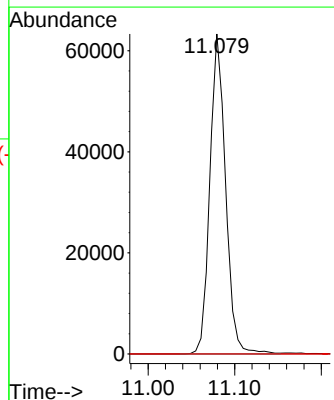
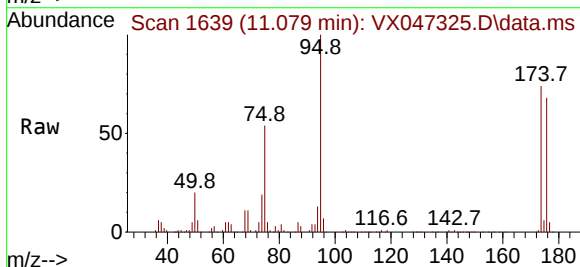
Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W

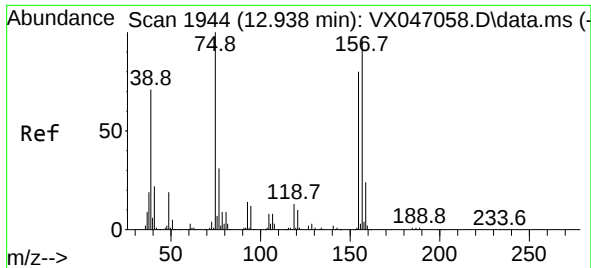
Tgt Ion: 75 Resp: 79779
Ion Ratio Lower Upper
75 100
77 1.4 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

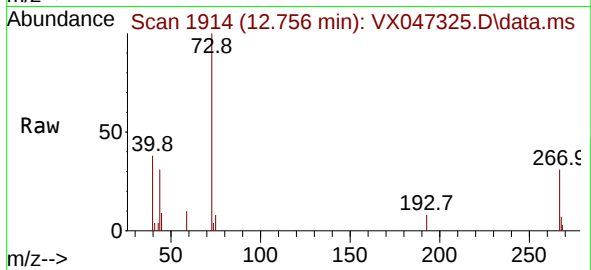
Tgt Ion: 75 Resp: 79779
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.286 ug/l
RT: 12.756 min Scan# 1914
Delta R.T. -0.182 min
Lab File: VX047325.D
Acq: 13 Aug 2025 16:13

Instrument :
MSVOA_X
ClientSampleId :
TW-10PC-W



Tgt Ion: 75 Resp: 216
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.0 52.8 158.3#

