

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047329.D
 Acq On : 13 Aug 2025 17:40
 Operator : JC/MD
 Sample : Q2815-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-N

Quant Time: Aug 14 03:32:33 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)

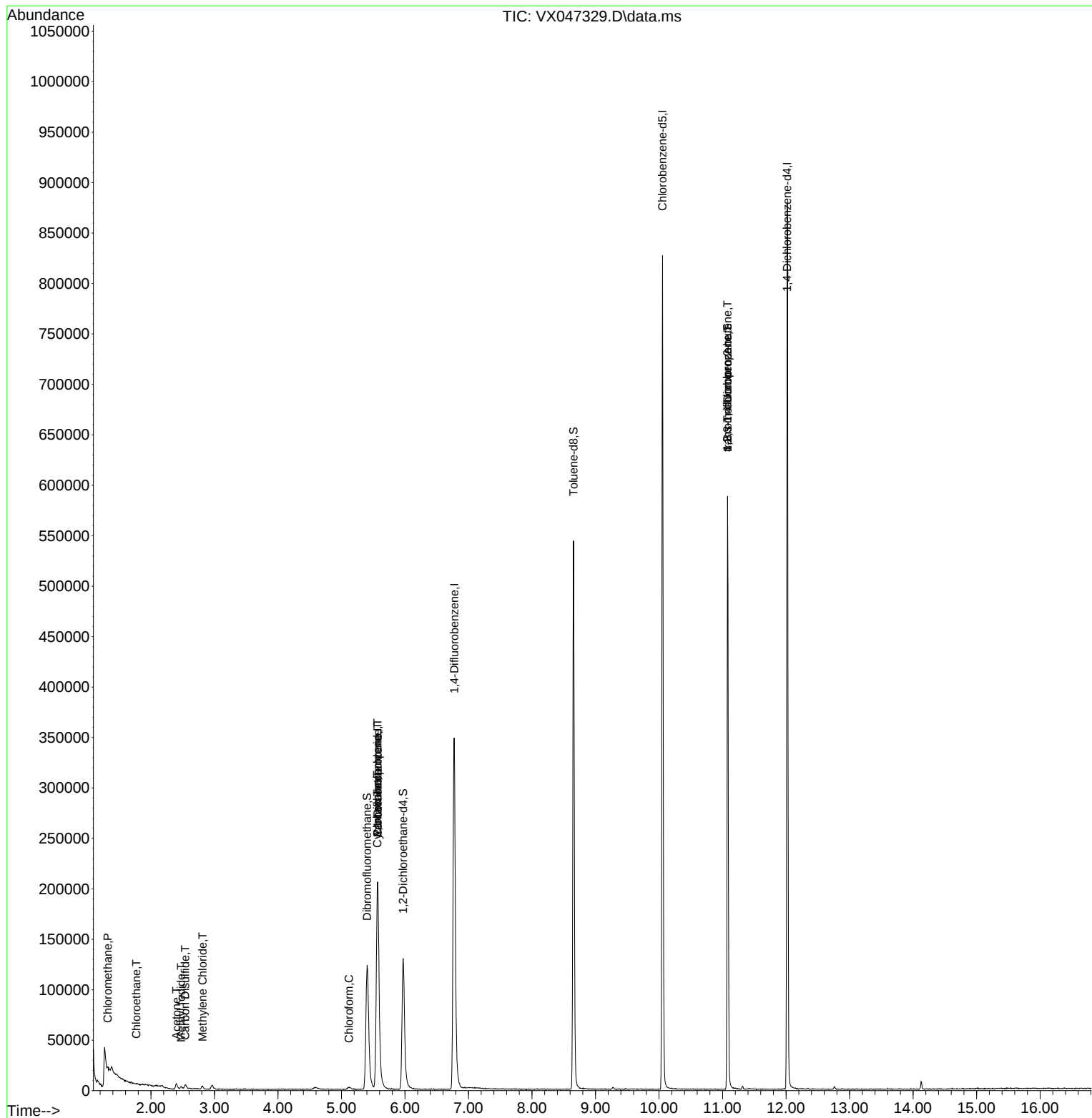
Internal Standards						
1) Pentafluorobenzene	5.568	168	208024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	379571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	179591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	139384	53.789	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.580%			
35) Dibromofluoromethane	5.403	113	119617	51.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.653	98	319829	42.140	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 84.280%#			
62) 4-Bromofluorobenzene	11.079	95	155728	47.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.220%			
Target Compounds			Qvalue			
3) Chloromethane	1.319	50	1804	0.660	ug/l #	75
6) Chloroethane	1.770	64	1386	0.718	ug/l #	43
10) Methyl Iodide	2.477	142	3022	1.123	ug/l	94
11) Tert butyl alcohol	2.959	59	2518	Below Cal	#	74
16) Acetone	2.398	43	8178	7.878	ug/l	94
17) Carbon Disulfide	2.538	76	3372	0.446	ug/l #	90
20) Methylene Chloride	2.812	84	1468	0.514	ug/l #	86
30) Chloroform	5.117	83	3126	0.608	ug/l #	81
31) Cyclohexane	5.562	56	4629	0.956	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	16356	4.094	ug/l #	48
38) Carbon Tetrachloride	5.568	117	22389	5.251	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	82723	24.886	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	82723	64.115	ug/l #	8

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

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ClientSampleId :
TW-10P-N

Quant Time: Aug 14 03:32:33 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

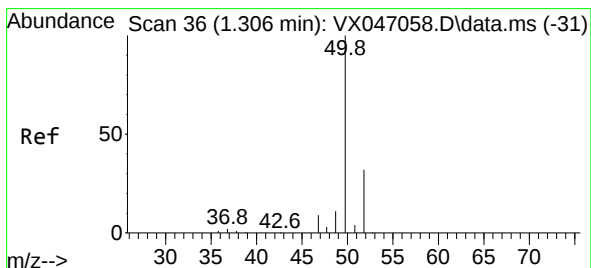
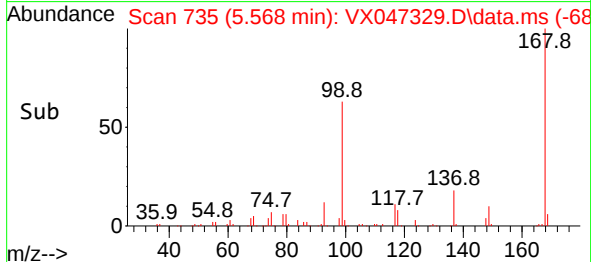
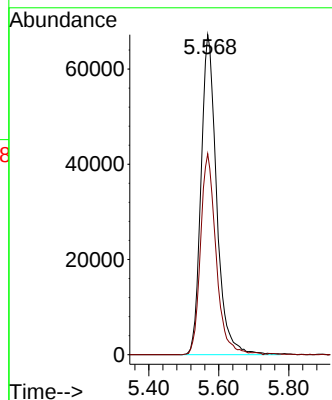
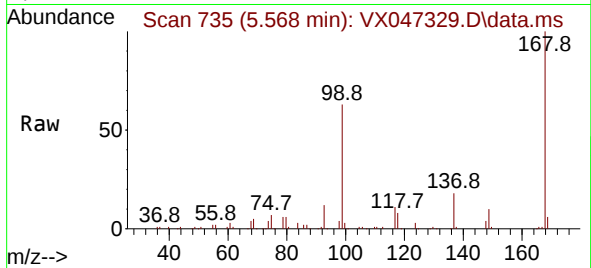




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

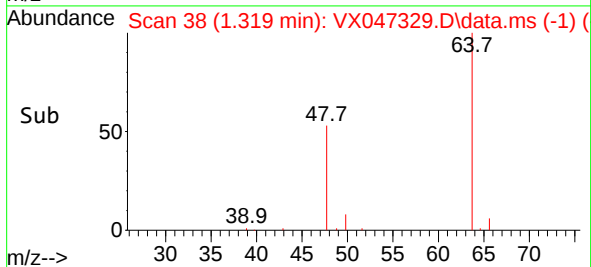
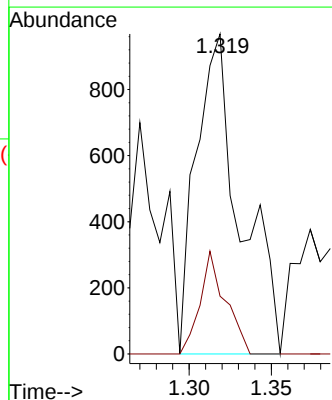
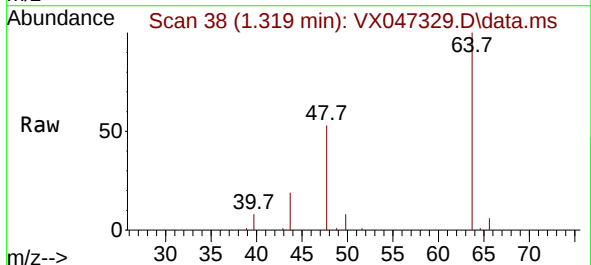
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-N

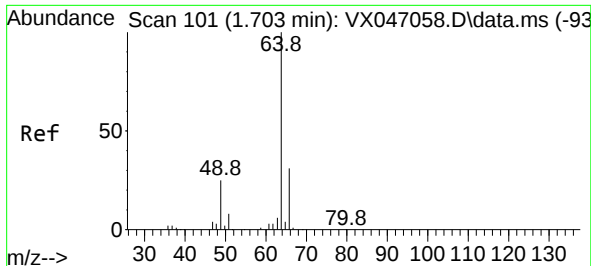
Tgt Ion:168 Resp: 208024
Ion Ratio Lower Upper
168 100
99 62.8 48.0 72.0



#3
Chloromethane
Concen: 0.660 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.012 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 50 Resp: 1804
Ion Ratio Lower Upper
50 100
52 18.1 25.4 38.2#

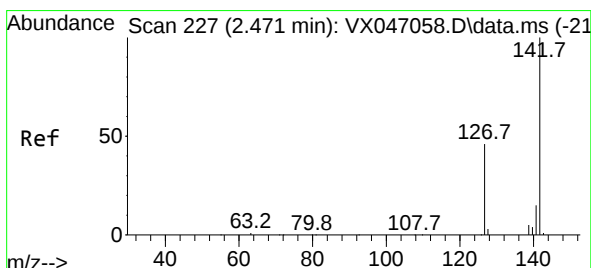
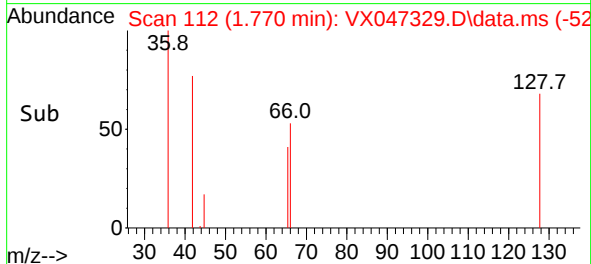
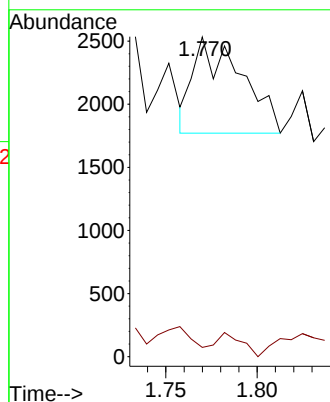
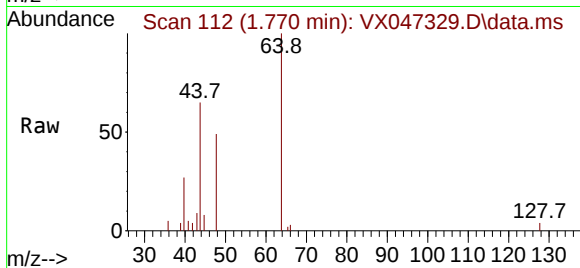




#6
Chloroethane
Concen: 0.718 ug/l
RT: 1.770 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

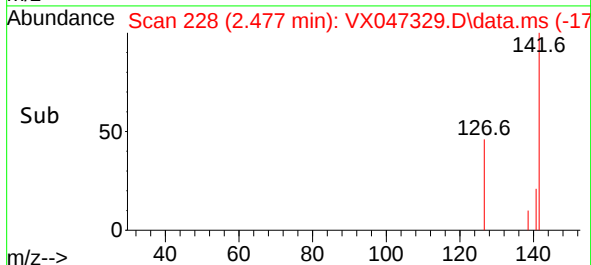
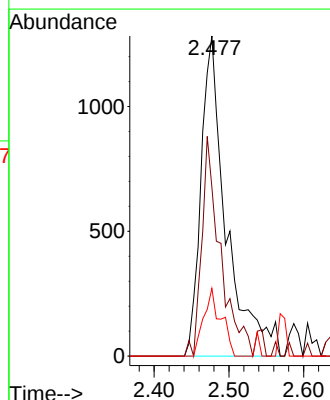
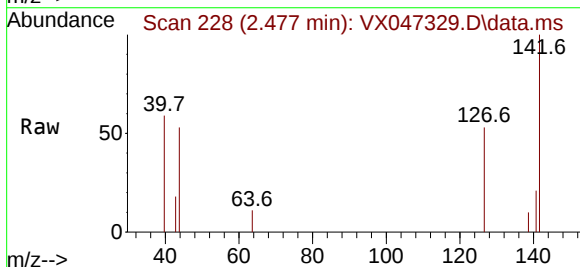
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-N

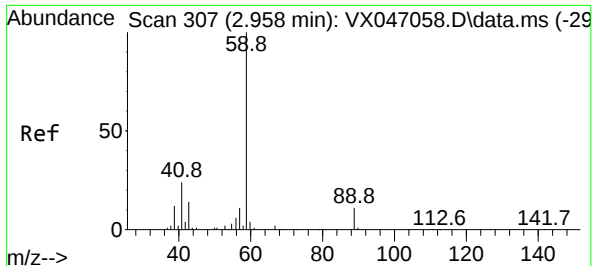
Tgt Ion: 64 Resp: 1386
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



#10
Methyl Iodide
Concen: 1.123 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 142 Resp: 3022
Ion Ratio Lower Upper
142 100
127 50.3 36.6 54.8
141 14.5 10.9 16.3

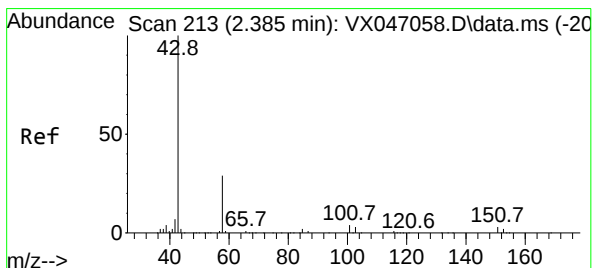
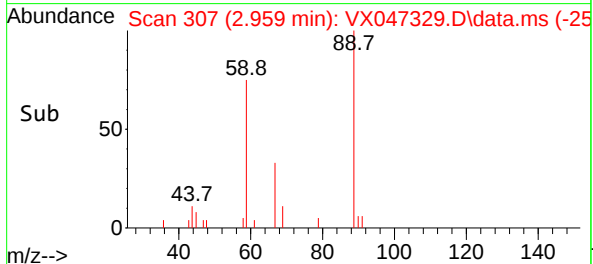
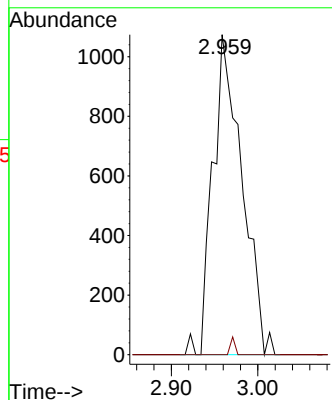
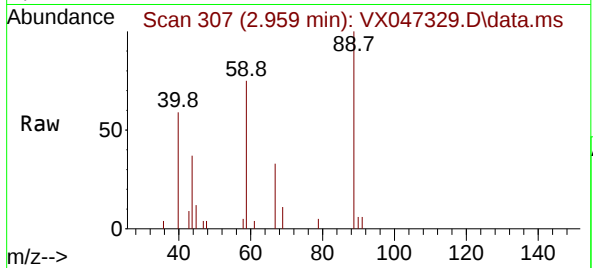




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

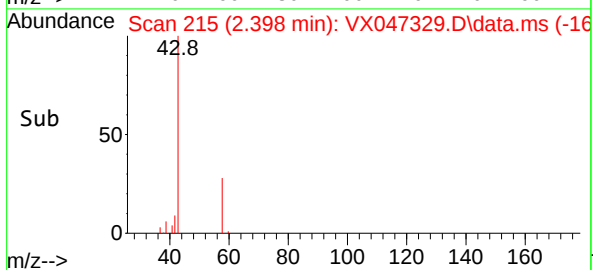
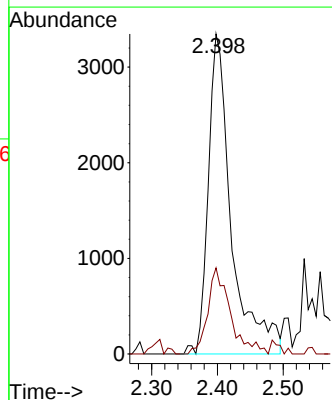
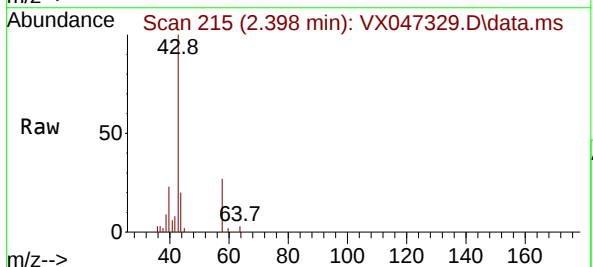
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-N

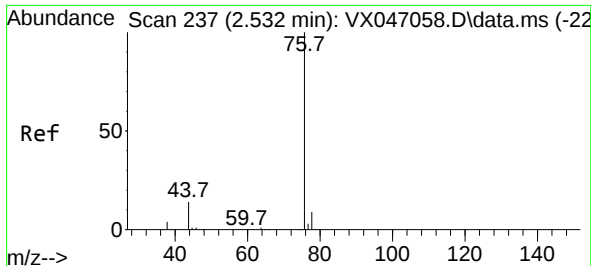
Tgt Ion: 59 Resp: 2518
Ion Ratio Lower Upper
59 100
57 0.9 8.5 12.7#



#16
Acetone
Concen: 7.878 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 43 Resp: 8178
Ion Ratio Lower Upper
43 100
58 27.0 24.0 36.0





#17

Carbon Disulfide

Concen: 0.446 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

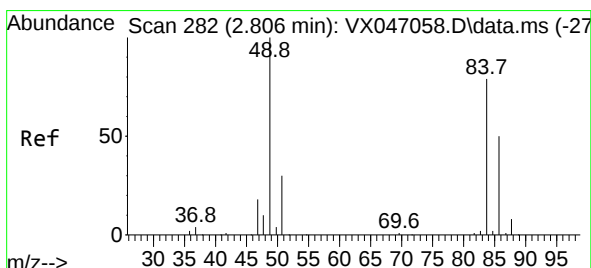
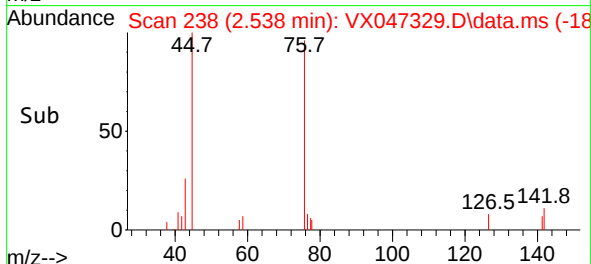
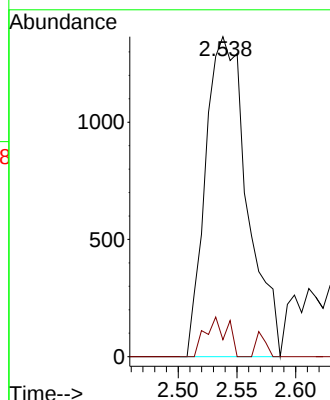
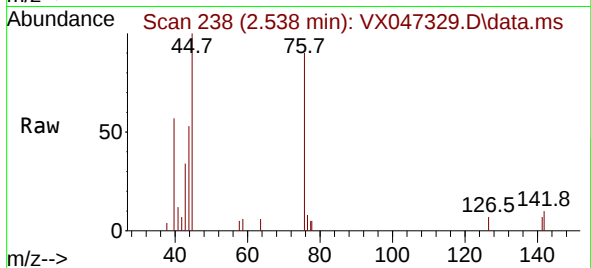
TW-10P-N

Tgt Ion: 76 Resp: 3372

Ion Ratio Lower Upper

76 100

78 5.3 7.0 10.4#



#20

Methylene Chloride

Concen: 0.514 ug/l

RT: 2.812 min Scan# 283

Delta R.T. 0.006 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

Tgt Ion: 84 Resp: 1468

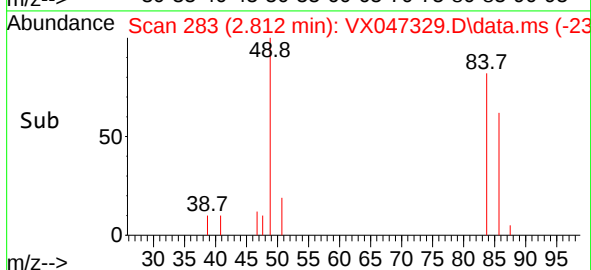
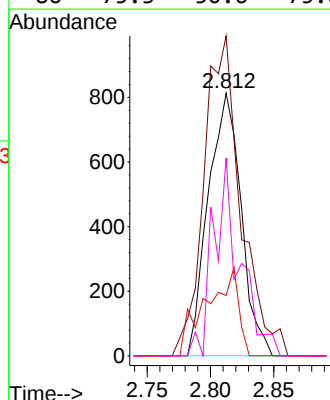
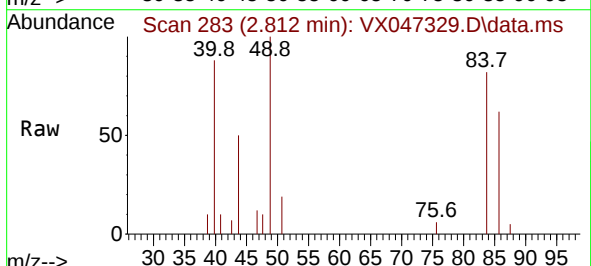
Ion Ratio Lower Upper

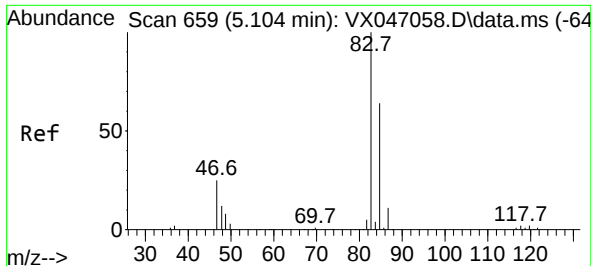
84 100

49 114.9 101.6 152.4

51 23.0 30.3 45.5#

86 75.3 50.6 75.8





#30

Chloroform

Concen: 0.608 ug/l

RT: 5.117 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

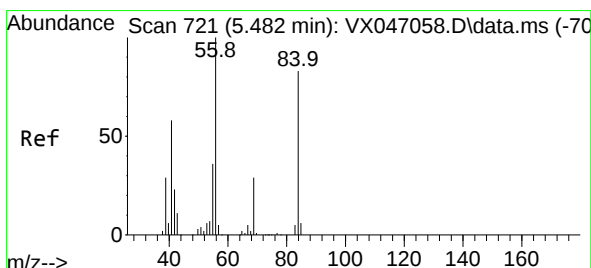
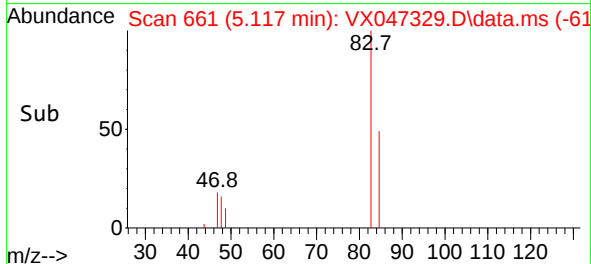
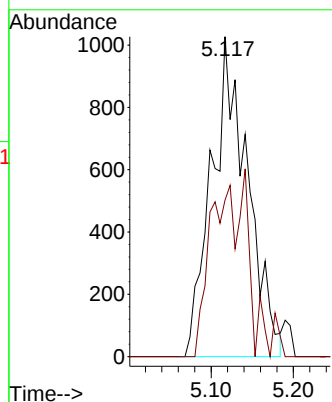
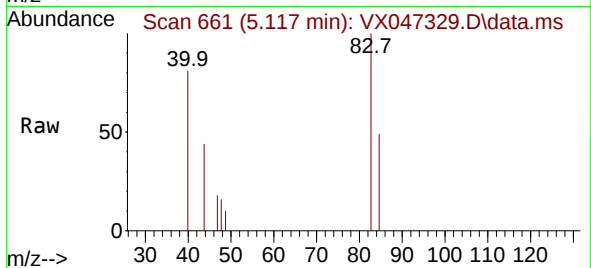
TW-10P-N

Tgt Ion: 83 Resp: 3126

Ion Ratio Lower Upper

83 100

85 48.9 50.9 76.3#



#31

Cyclohexane

Concen: 0.956 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.080 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

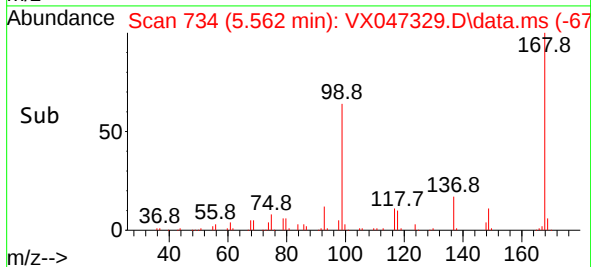
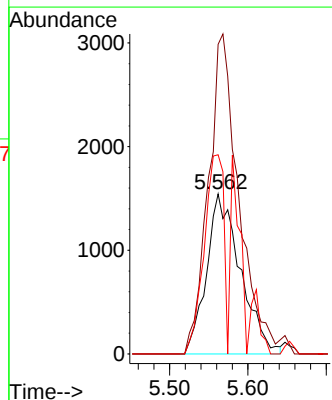
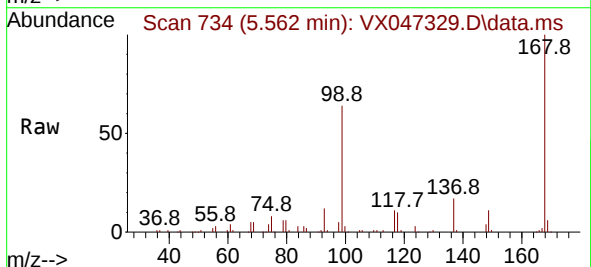
Tgt Ion: 56 Resp: 4629

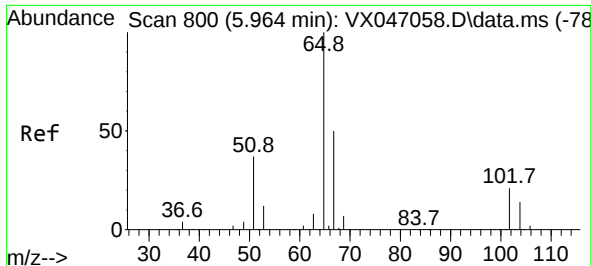
Ion Ratio Lower Upper

56 100

69 193.5 23.3 34.9#

84 124.6 66.5 99.7#

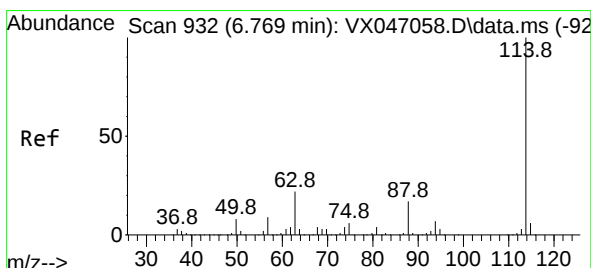
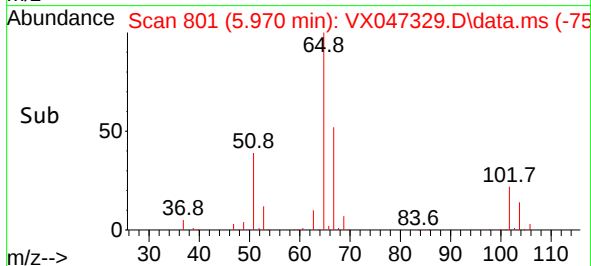
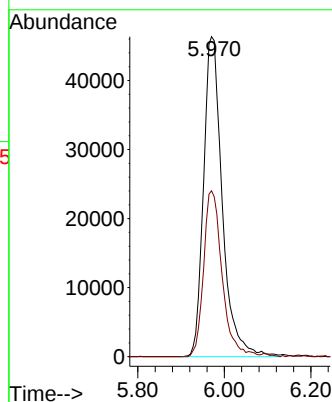
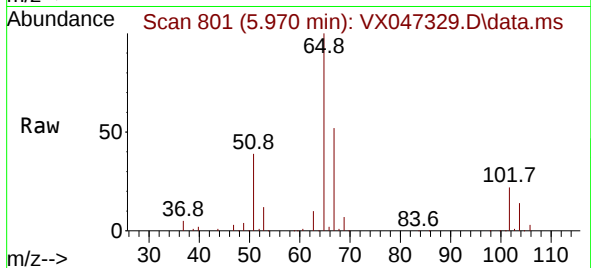




#33
 1,2-Dichloroethane-d4
 Concen: 53.789 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047329.D
 Acq: 13 Aug 2025 17:40

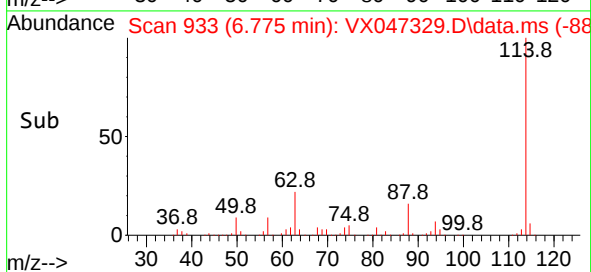
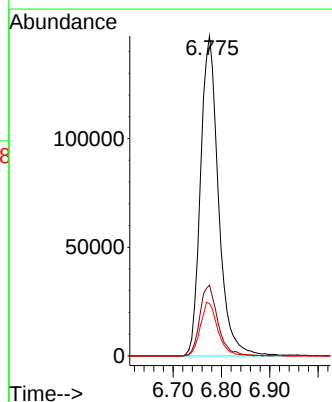
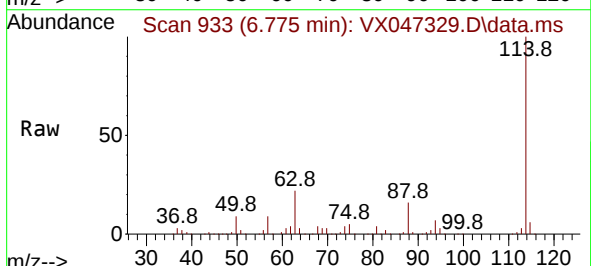
Instrument :
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 TW-10P-N

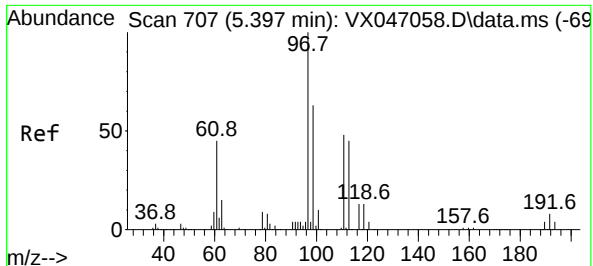
Tgt Ion: 65 Resp: 139384
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047329.D
 Acq: 13 Aug 2025 17:40

Tgt Ion: 114 Resp: 379571
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.3 0.0 33.8

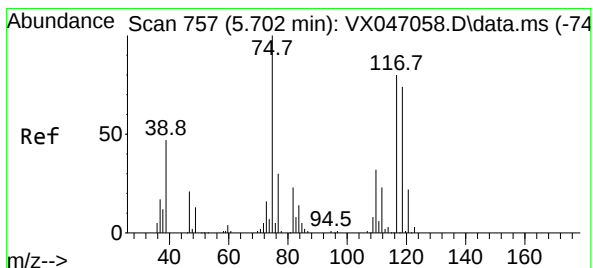
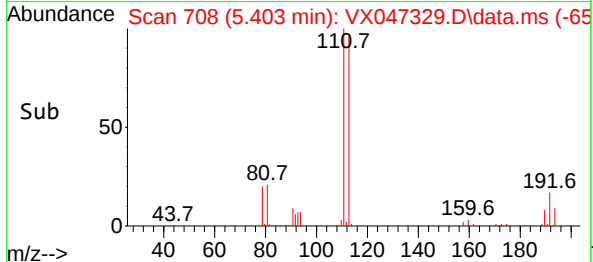
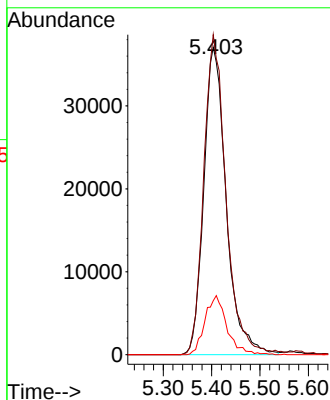
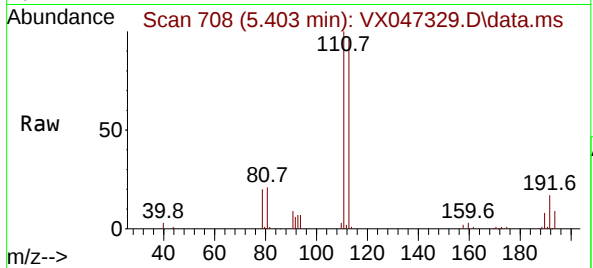




#35
Dibromofluoromethane
Concen: 51.040 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

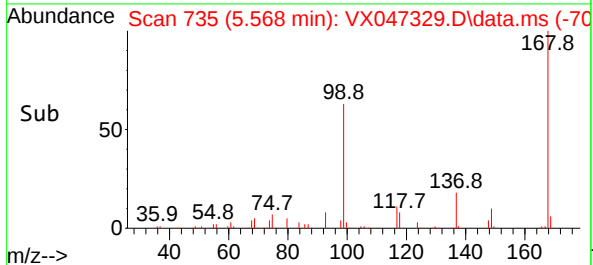
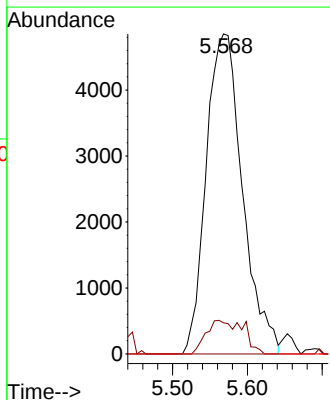
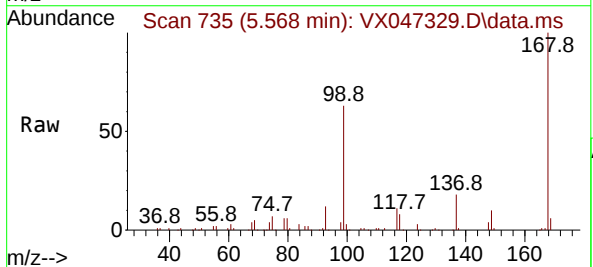
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-N

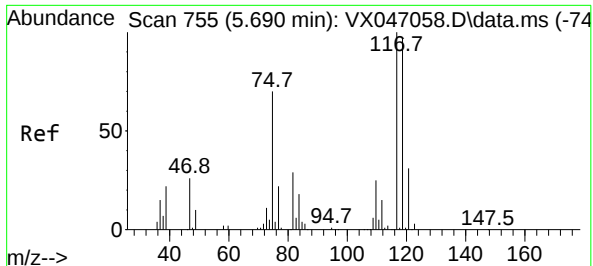
Tgt Ion:113 Resp: 119617
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.8 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.094 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

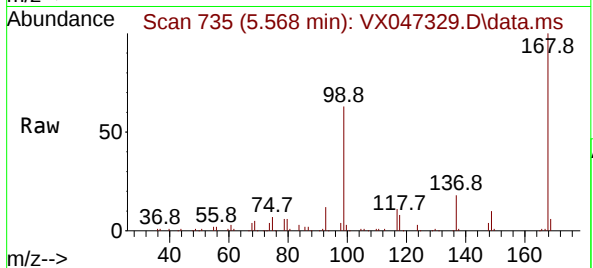
Tgt Ion: 75 Resp: 16356
Ion Ratio Lower Upper
75 100
110 7.2 17.2 51.5#
77 0.0 25.1 37.7#



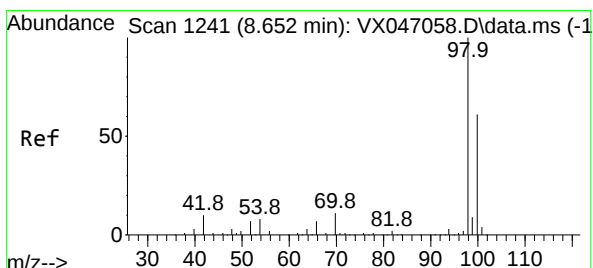
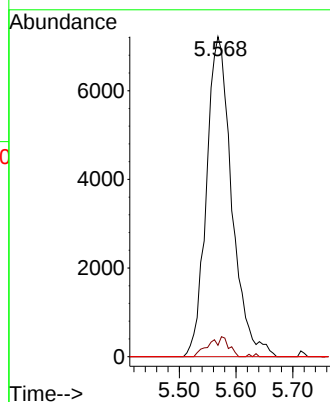
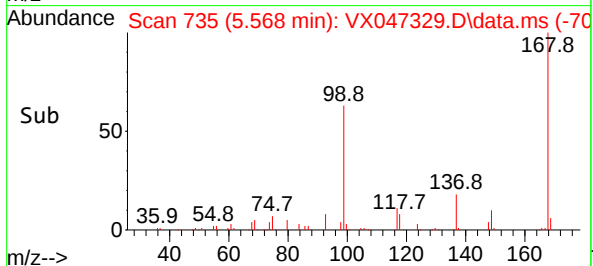


#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

Instrument :
MSVOA_X
ClientSampleId :
TW-10P-N

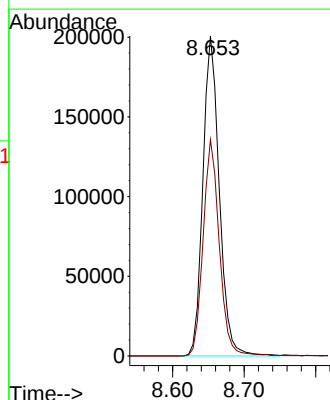
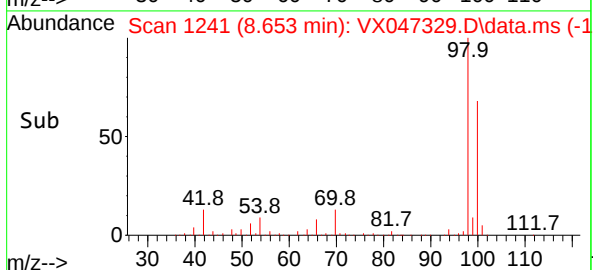
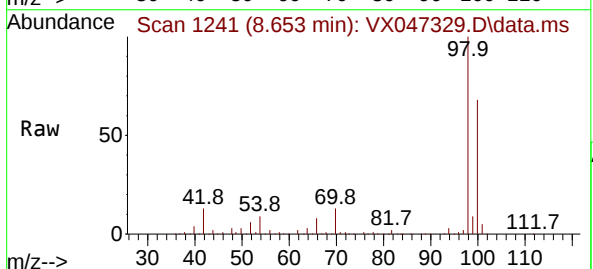


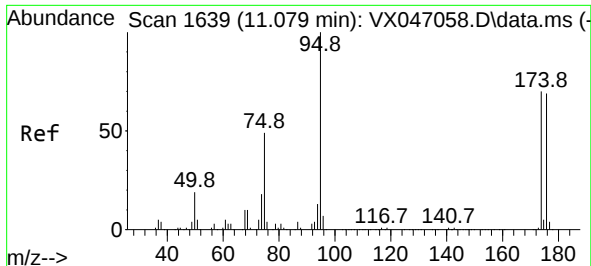
Tgt Ion:117 Resp: 22389
Ion Ratio Lower Upper
117 100
119 3.6 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 42.140 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047329.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 98 Resp: 319829
Ion Ratio Lower Upper
98 100
100 66.8 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 47.613 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-N

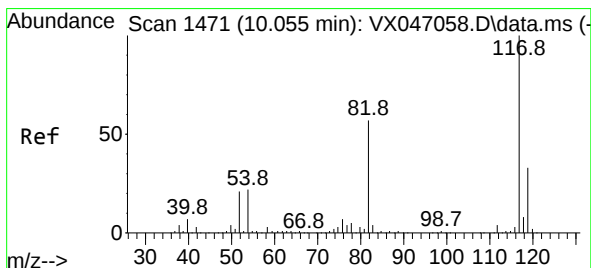
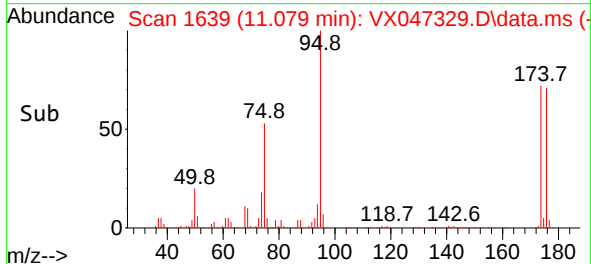
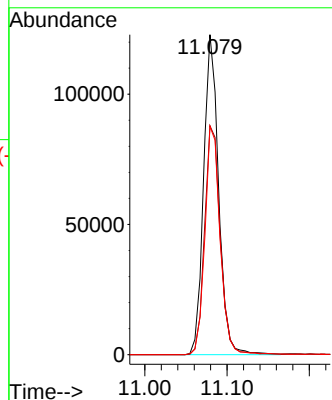
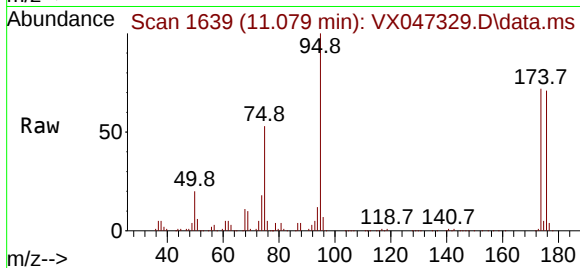
Tgt Ion: 95 Resp: 155728

Ion Ratio Lower Upper

95 100

174 75.0 0.0 144.6

176 72.5 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: VX047329.D

Acq: 13 Aug 2025 17:40

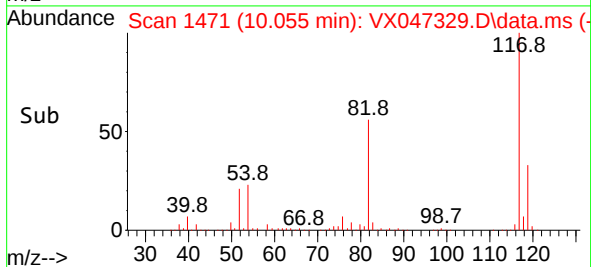
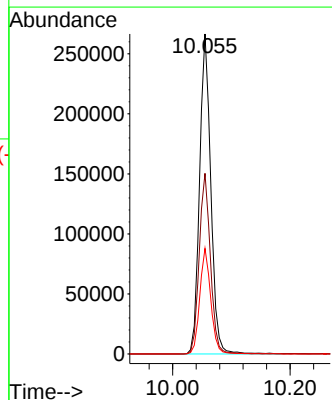
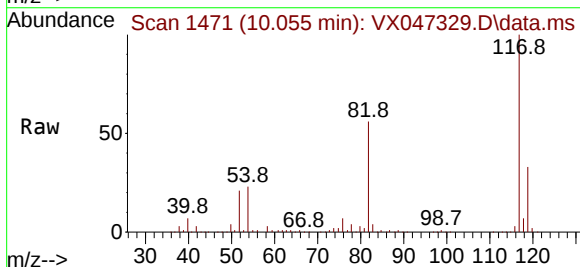
Tgt Ion: 117 Resp: 354515

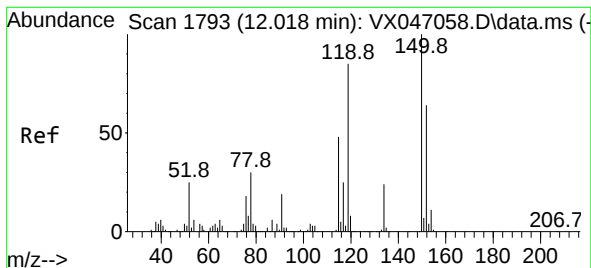
Ion Ratio Lower Upper

117 100

82 56.5 45.4 68.2

119 33.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047329.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-N

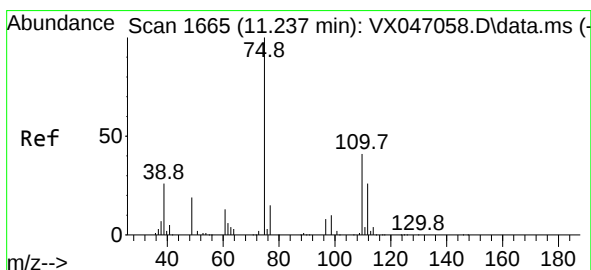
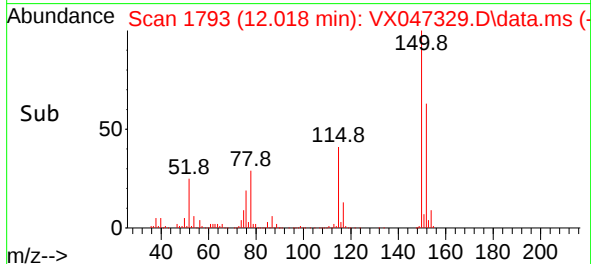
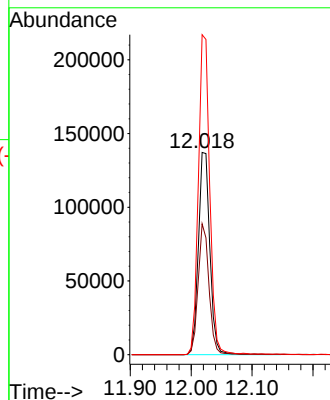
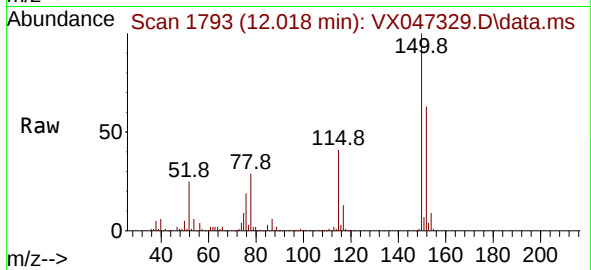
Tgt Ion:152 Resp: 179591

Ion Ratio Lower Upper

152 100

115 61.2 45.6 136.7

150 155.7 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 24.886 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047329.D

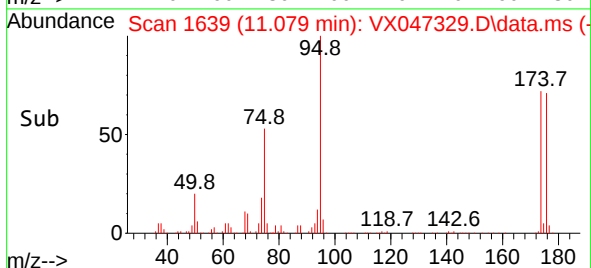
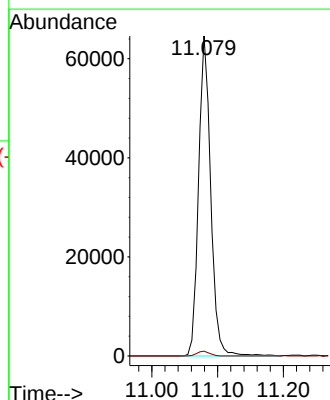
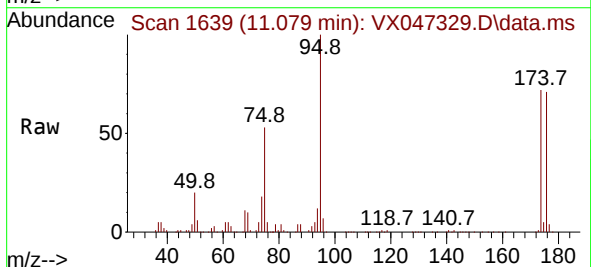
Acq: 13 Aug 2025 17:40

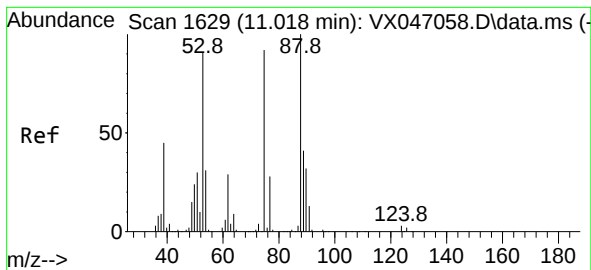
Tgt Ion: 75 Resp: 82723

Ion Ratio Lower Upper

75 100

77 1.5 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.115 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047329.D
 Acq: 13 Aug 2025 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-N

Tgt Ion: 75 Resp: 82723
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

