

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047328.D
 Acq On : 13 Aug 2025 17:19
 Operator : JC/MD
 Sample : Q2815-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-W

Quant Time: Aug 14 03:32:13 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)

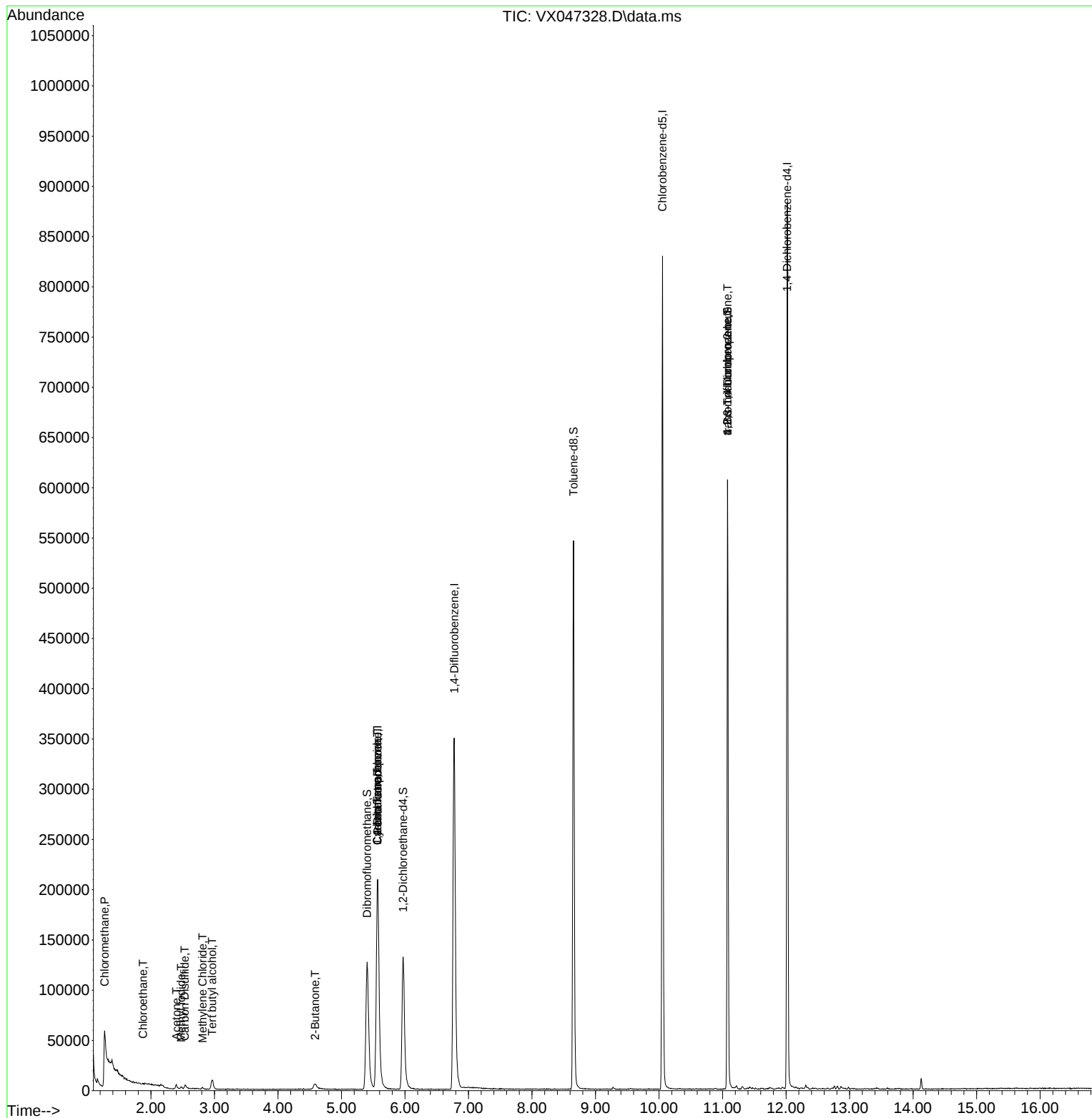
Internal Standards						
1) Pentafluorobenzene	5.568	168	209071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	387694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	354687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	137974	52.978	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.960%	
35) Dibromofluoromethane	5.404	113	121320	50.682	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.360%	
50) Toluene-d8	8.653	98	321749	41.505	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 83.000%#	
62) 4-Bromofluorobenzene	11.079	95	156839	46.948	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1701	0.619	ug/l #	43
6) Chloroethane	1.874	64	708	0.365	ug/l #	61
10) Methyl Iodide	2.477	142	2502	0.925	ug/l	98
11) Tert butyl alcohol	2.965	59	5947	9.644	ug/l #	83
16) Acetone	2.398	43	5548	5.318	ug/l	89
17) Carbon Disulfide	2.532	76	4129	0.543	ug/l #	90
20) Methylene Chloride	2.813	84	785	0.273	ug/l #	92
25) 2-Butanone	4.587	43	353	0.232	ug/l #	52
31) Cyclohexane	5.562	56	4267	0.876	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	17671	4.331	ug/l #	42
38) Carbon Tetrachloride	5.562	117	22914	5.261	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	83509	24.714	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	83509	63.673	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

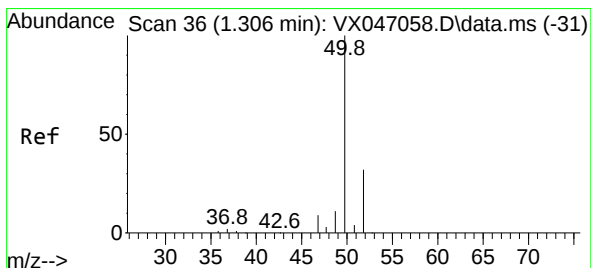
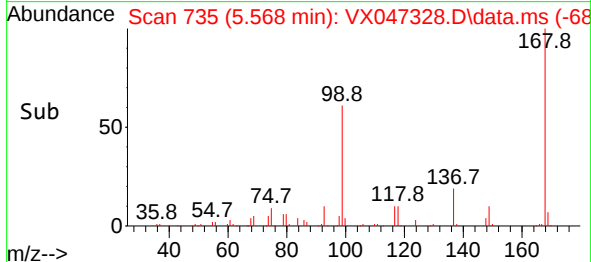
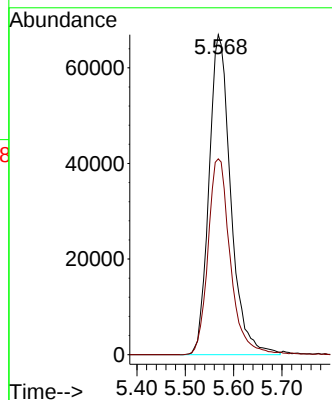
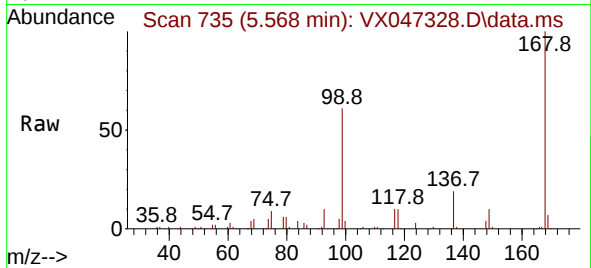




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

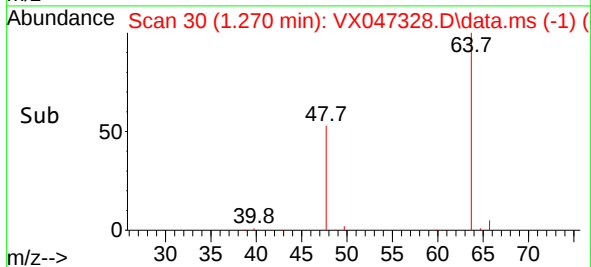
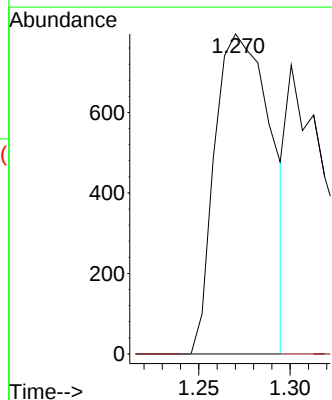
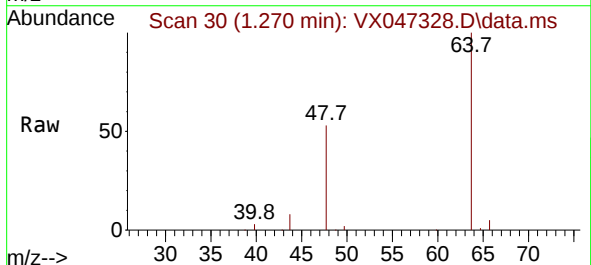
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-W

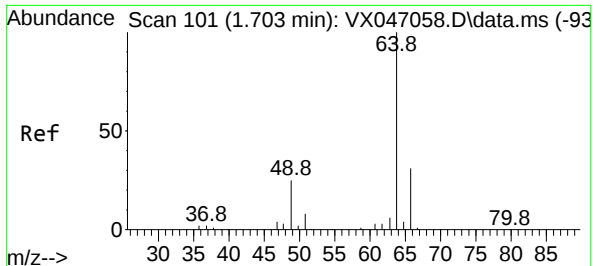
Tgt Ion:168 Resp: 209071
Ion Ratio Lower Upper
168 100
99 61.2 48.0 72.0



#3
Chloromethane
Concen: 0.619 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.036 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion: 50 Resp: 1701
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

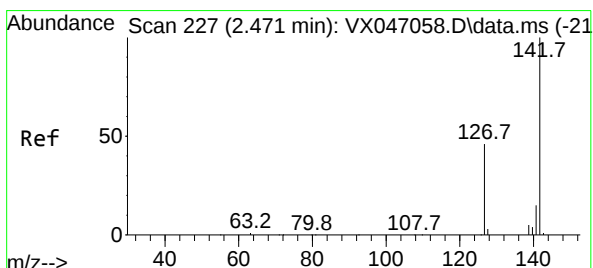
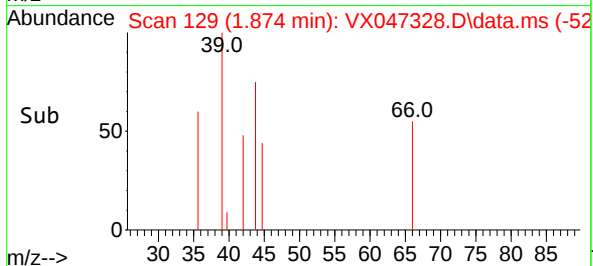
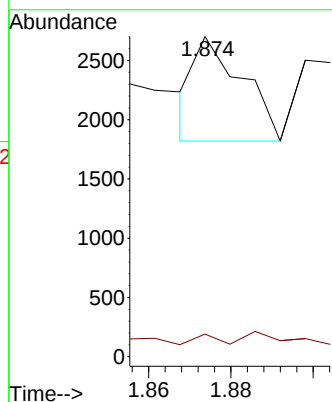
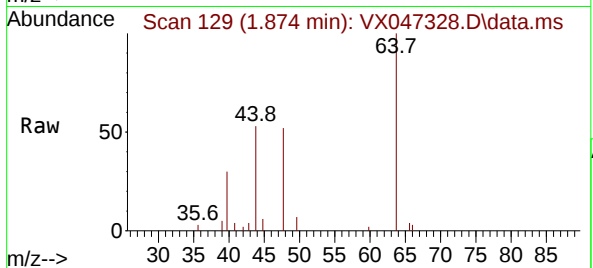




#6
Chloroethane
Concen: 0.365 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

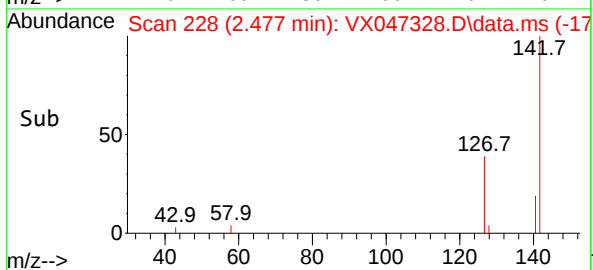
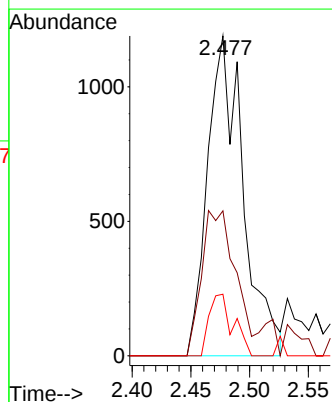
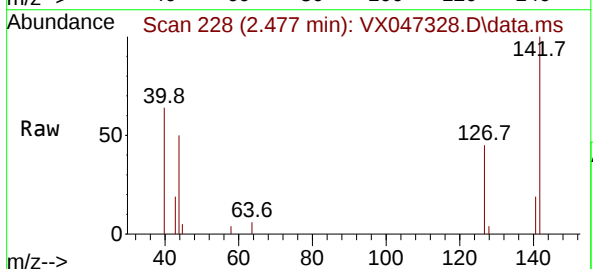
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-W

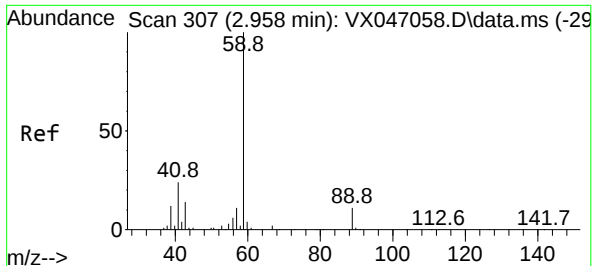
Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 10.0 25.0 37.6#



#10
Methyl Iodide
Concen: 0.925 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion:142 Resp: 2502
Ion Ratio Lower Upper
142 100
127 44.3 36.6 54.8
141 12.9 10.9 16.3





#11

Tert butyl alcohol

Concen: 9.644 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.007 min

Lab File: VX047328.D

Acq: 13 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

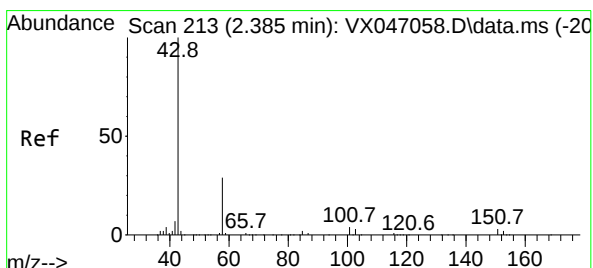
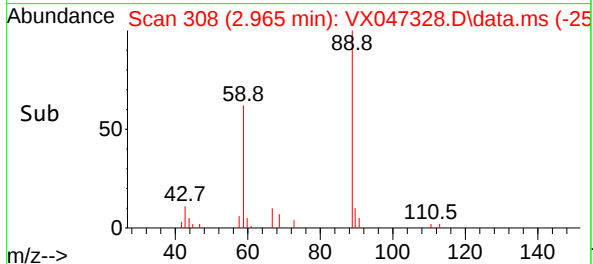
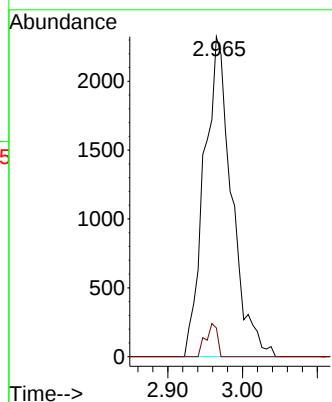
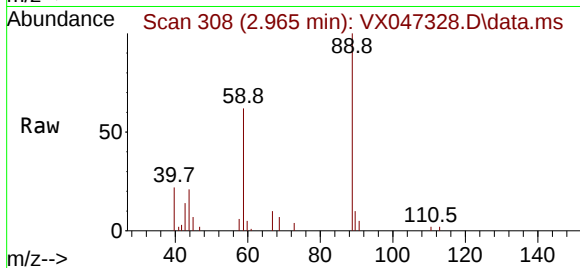
TW-10P-W

Tgt Ion: 59 Resp: 5947

Ion Ratio Lower Upper

59 100

57 4.3 8.5 12.7#



#16

Acetone

Concen: 5.318 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.013 min

Lab File: VX047328.D

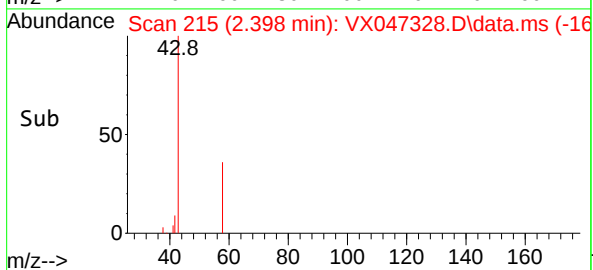
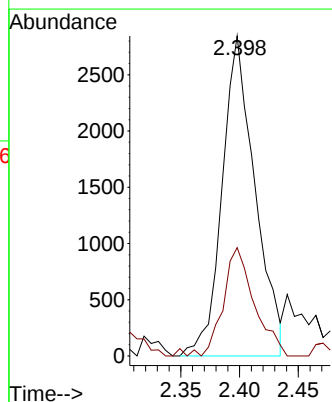
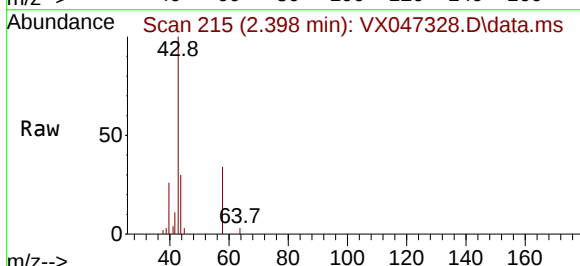
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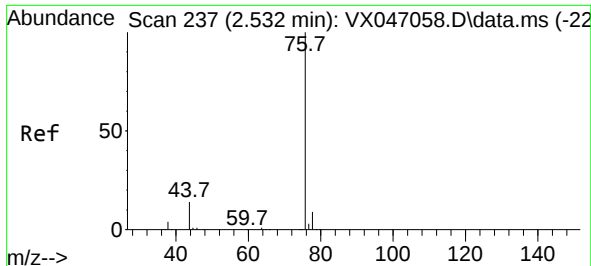
Tgt Ion: 43 Resp: 5548

Ion Ratio Lower Upper

43 100

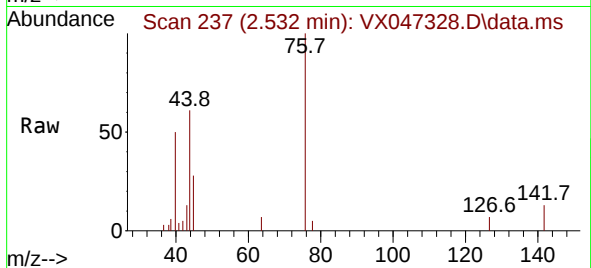
58 24.2 24.0 36.0



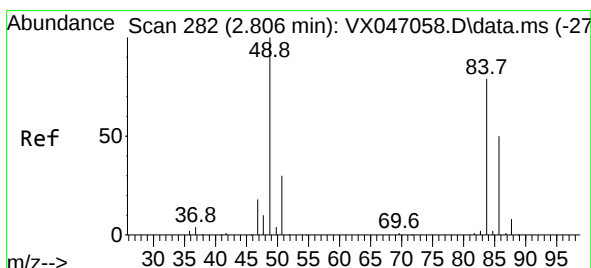
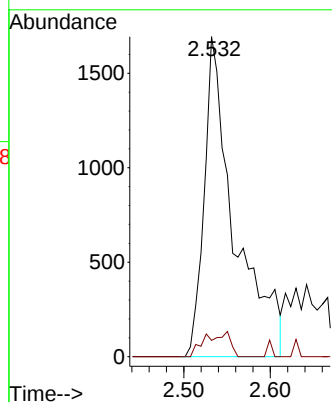
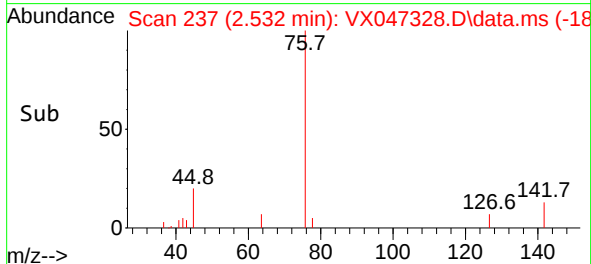


#17
Carbon Disulfide
Concen: 0.543 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

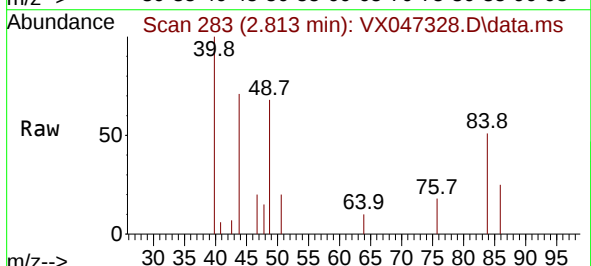
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-W



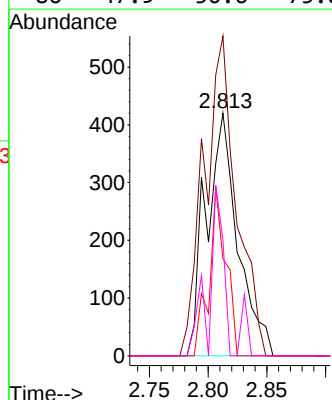
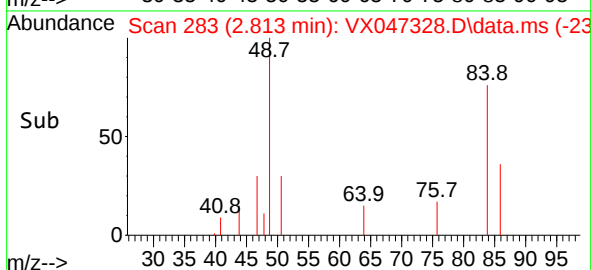
Tgt Ion: 76 Resp: 4129
Ion Ratio Lower Upper
76 100
78 5.1 7.0 10.4#

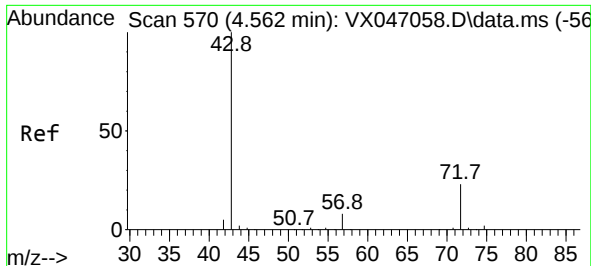


#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 2.813 min Scan# 283
Delta R.T. 0.007 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19



Tgt Ion: 84 Resp: 785
Ion Ratio Lower Upper
84 100
49 131.9 101.6 152.4
51 40.0 30.3 45.5
86 47.9 50.6 75.8#

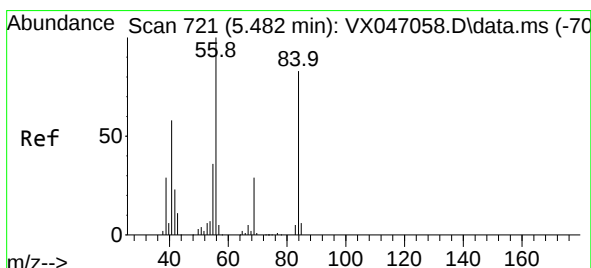
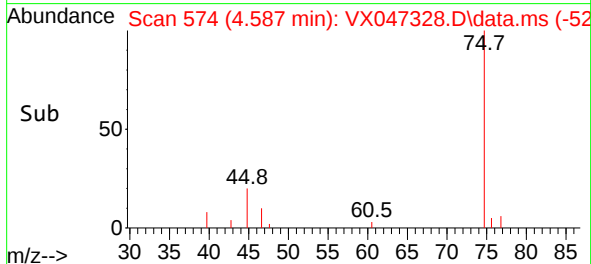
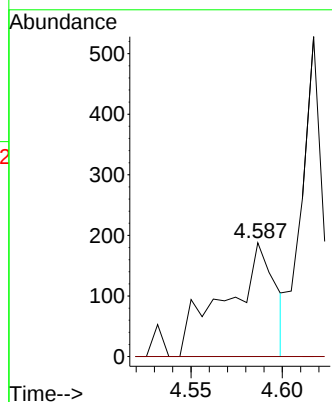
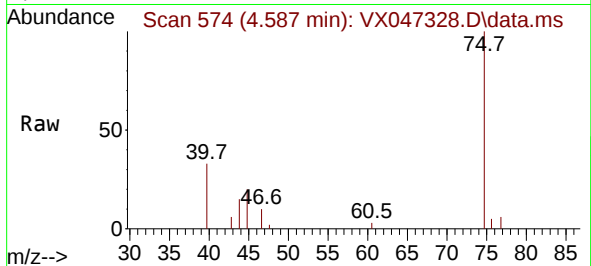




#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

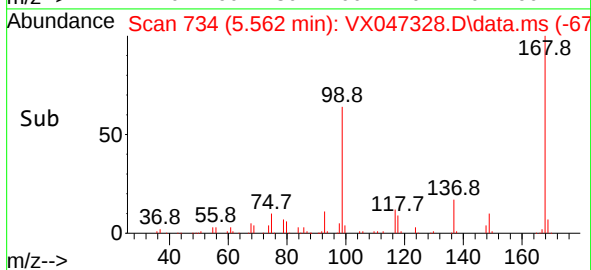
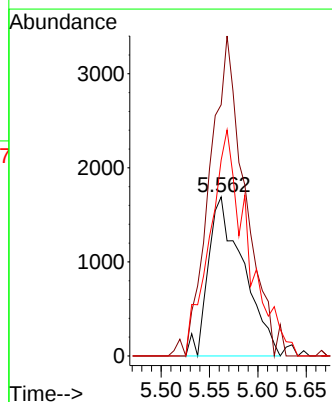
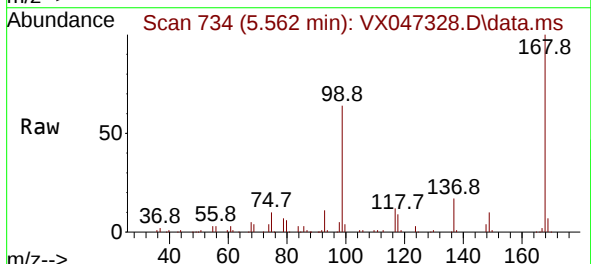
Instrument :
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ClientSampleId :
TW-10P-W

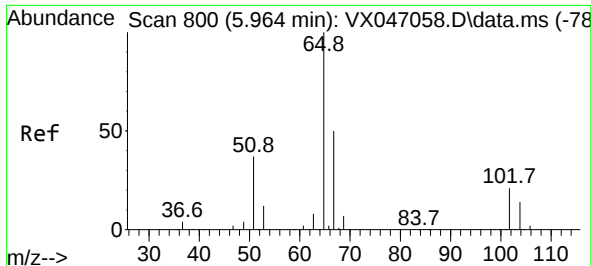
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.876 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion: 56 Resp: 4267
Ion Ratio Lower Upper
56 100
69 147.4 23.3 34.9#
84 123.1 66.5 99.7#

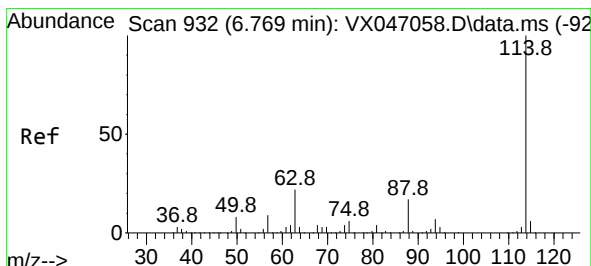
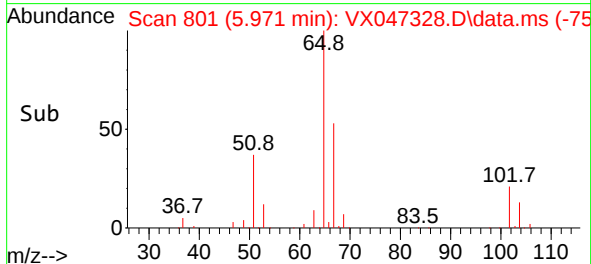
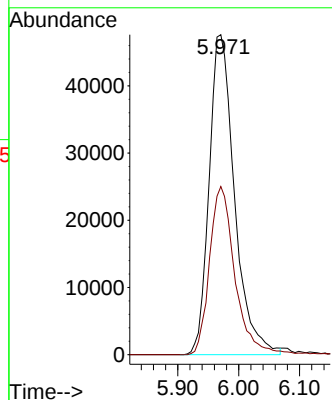
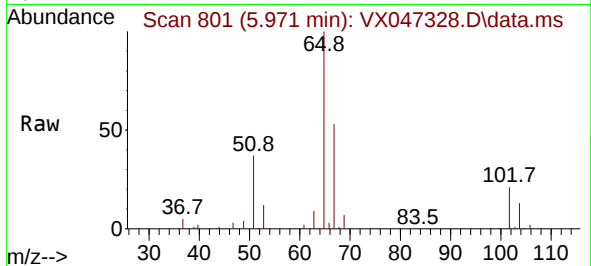




#33
 1,2-Dichloroethane-d4
 Concen: 52.978 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.007 min
 Lab File: VX047328.D
 Acq: 13 Aug 2025 17:19

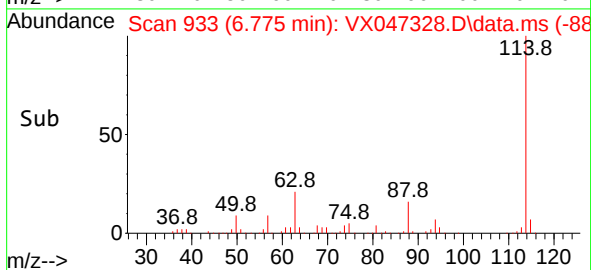
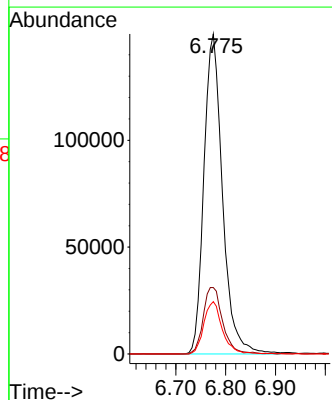
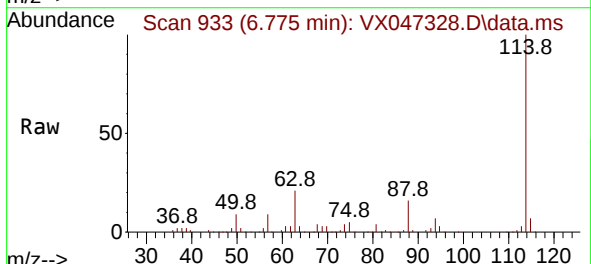
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 TW-10P-W

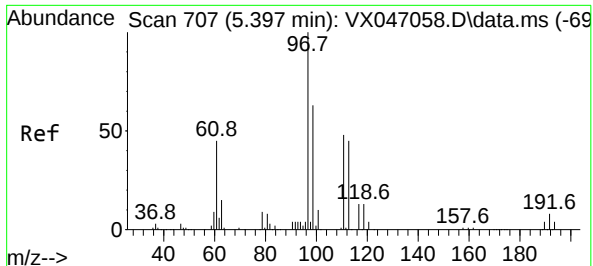
Tgt Ion: 65 Resp: 137974
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.007 min
 Lab File: VX047328.D
 Acq: 13 Aug 2025 17:19

Tgt Ion: 114 Resp: 387694
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 16.4 0.0 33.8

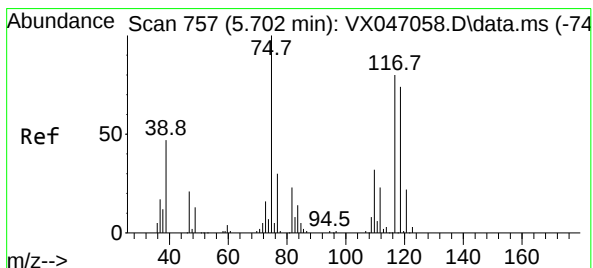
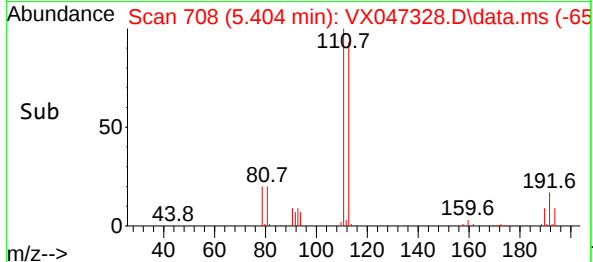
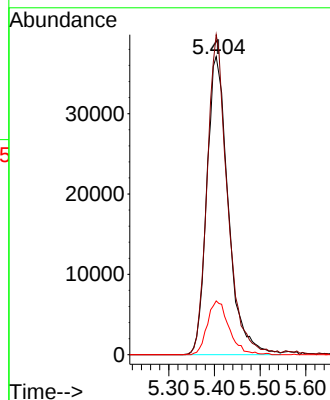
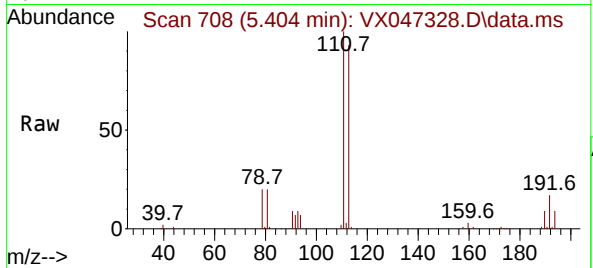




#35
Dibromofluoromethane
Concen: 50.682 ug/l
RT: 5.404 min Scan# 707
Delta R.T. 0.007 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

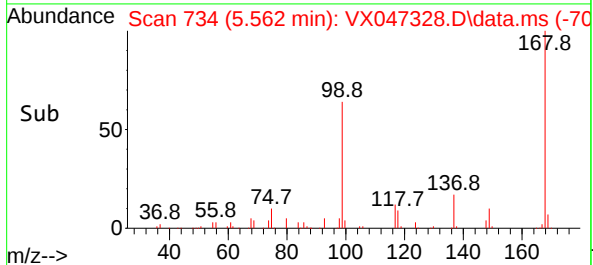
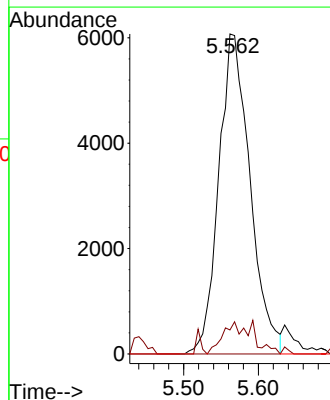
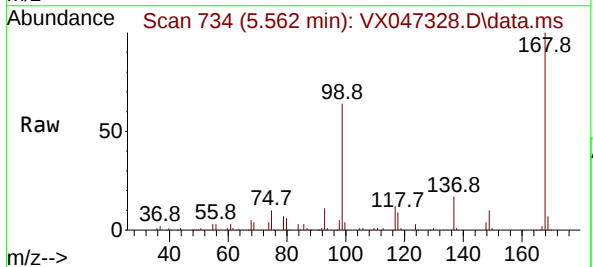
Instrument :
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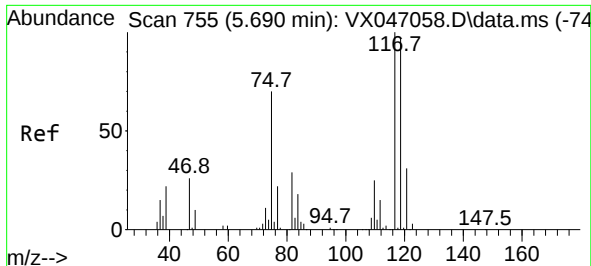
Tgt Ion:113 Resp: 121320
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 18.1 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.331 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion: 75 Resp: 17671
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.0 25.1 37.7#

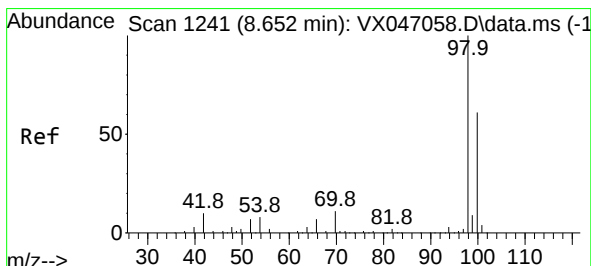
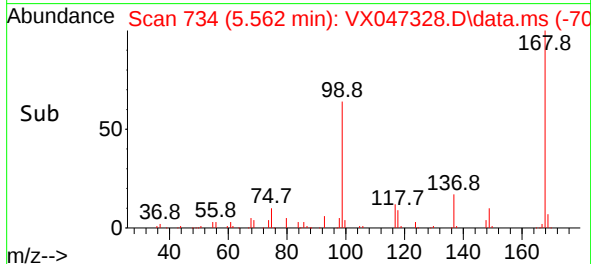
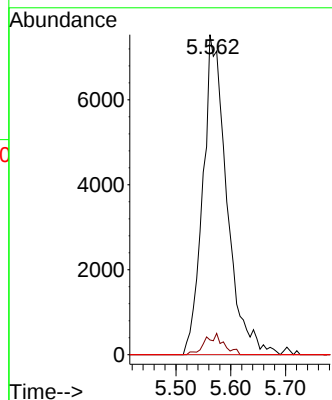
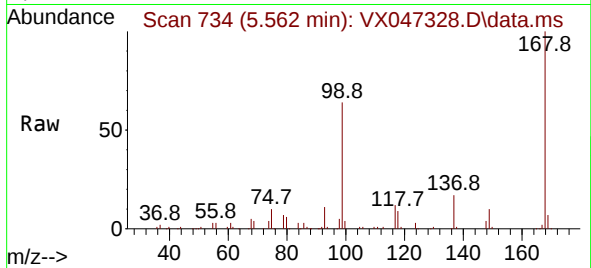




#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

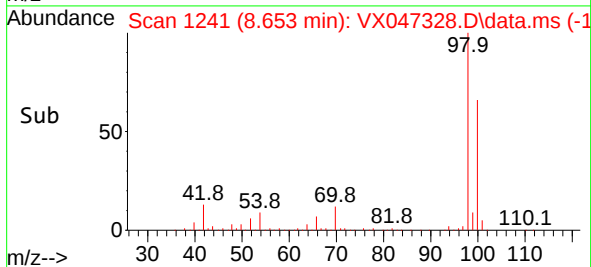
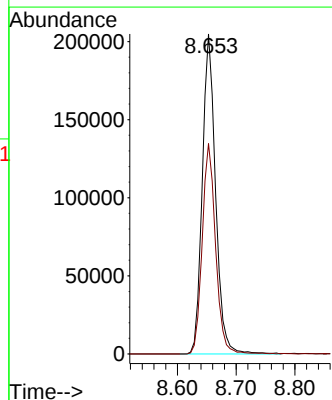
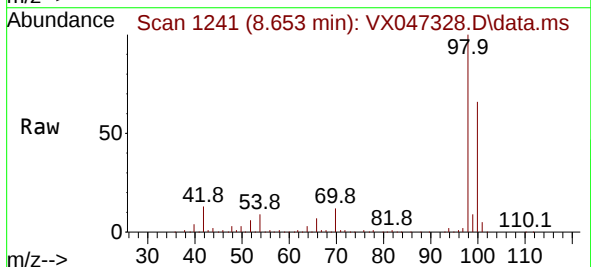
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-W

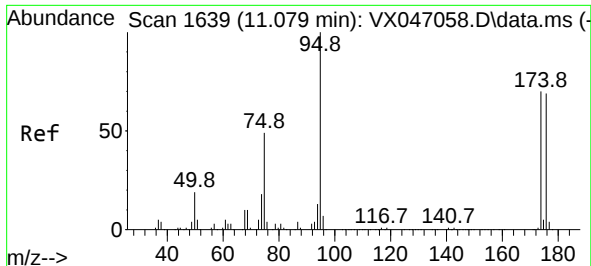
Tgt Ion:117 Resp: 22914
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 41.505 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion: 98 Resp: 321749
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9

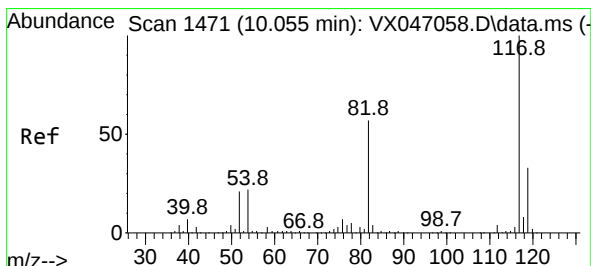
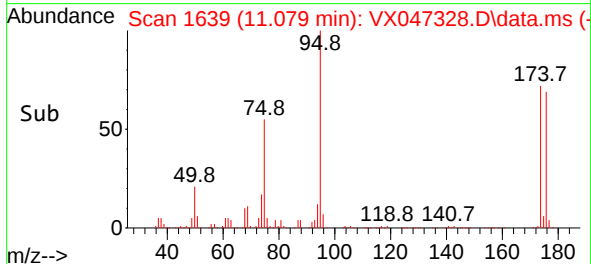
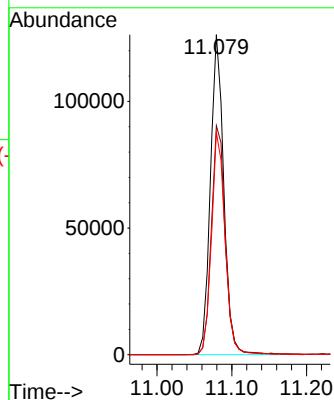
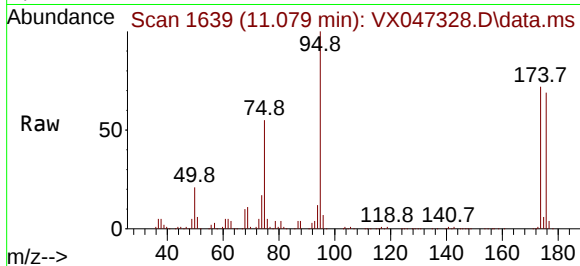




#62
4-Bromofluorobenzene
Concen: 46.948 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

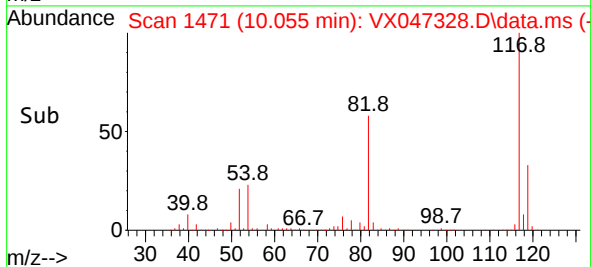
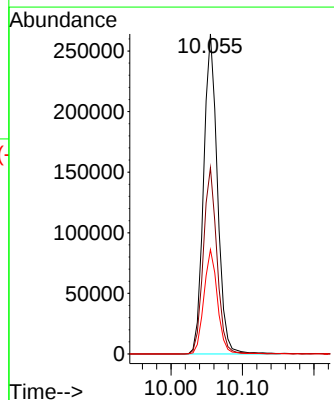
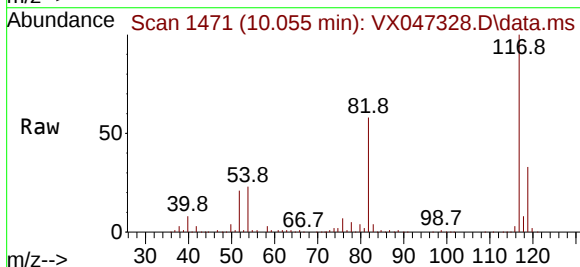
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-W

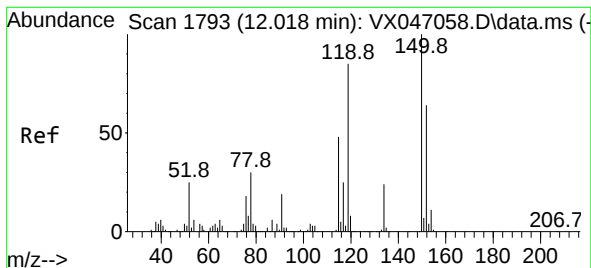
Tgt Ion: 95 Resp: 156839
Ion Ratio Lower Upper
95 100
174 74.5 0.0 144.6
176 70.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047328.D
Acq: 13 Aug 2025 17:19

Tgt Ion: 117 Resp: 354687
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.2
119 32.6 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047328.D

Acq: 13 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-W

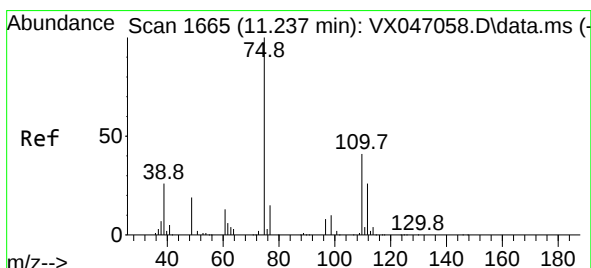
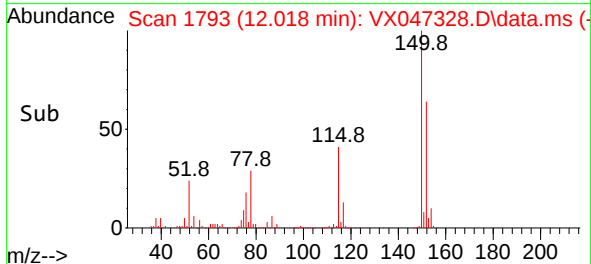
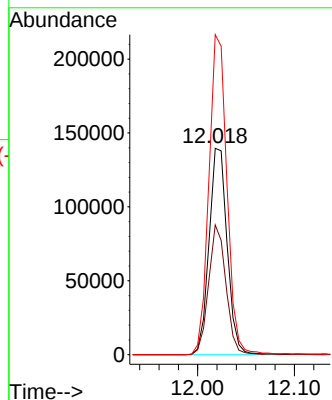
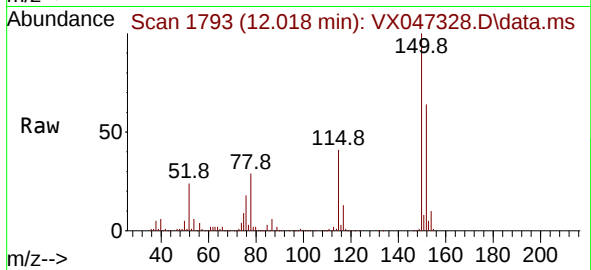
Tgt Ion:152 Resp: 182557

Ion Ratio Lower Upper

152 100

115 60.3 45.6 136.7

150 154.6 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 24.714 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047328.D

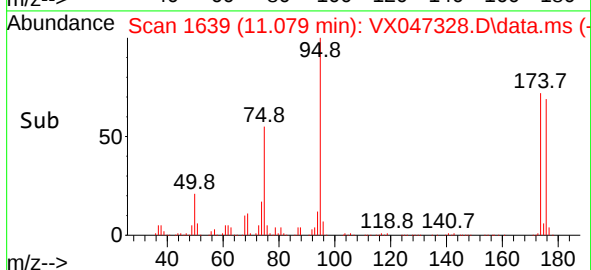
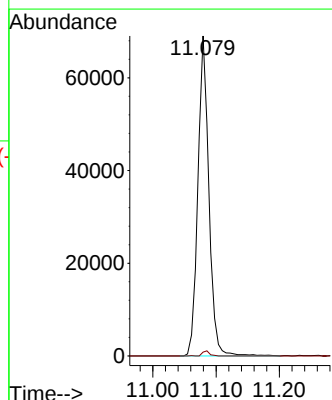
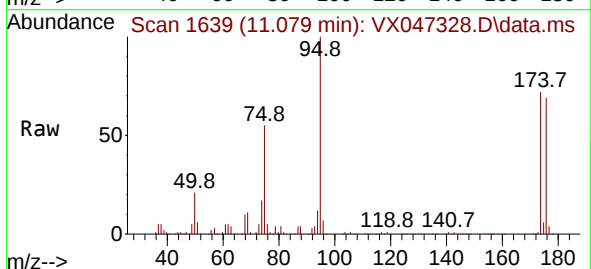
Acq: 13 Aug 2025 17:19

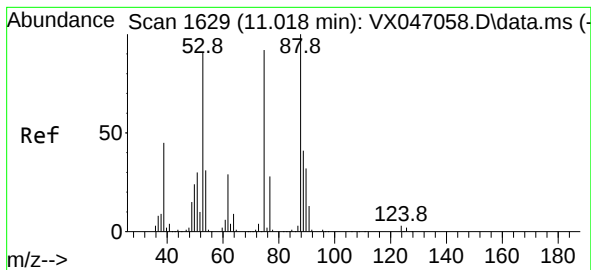
Tgt Ion: 75 Resp: 83509

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.673 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047328.D
 Acq: 13 Aug 2025 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-W

Tgt Ion: 75 Resp: 83509
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

