

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047330.D
 Acq On : 13 Aug 2025 18:02
 Operator : JC/MD
 Sample : Q2815-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-88H-E

Quant Time: Aug 14 03:32:56 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)

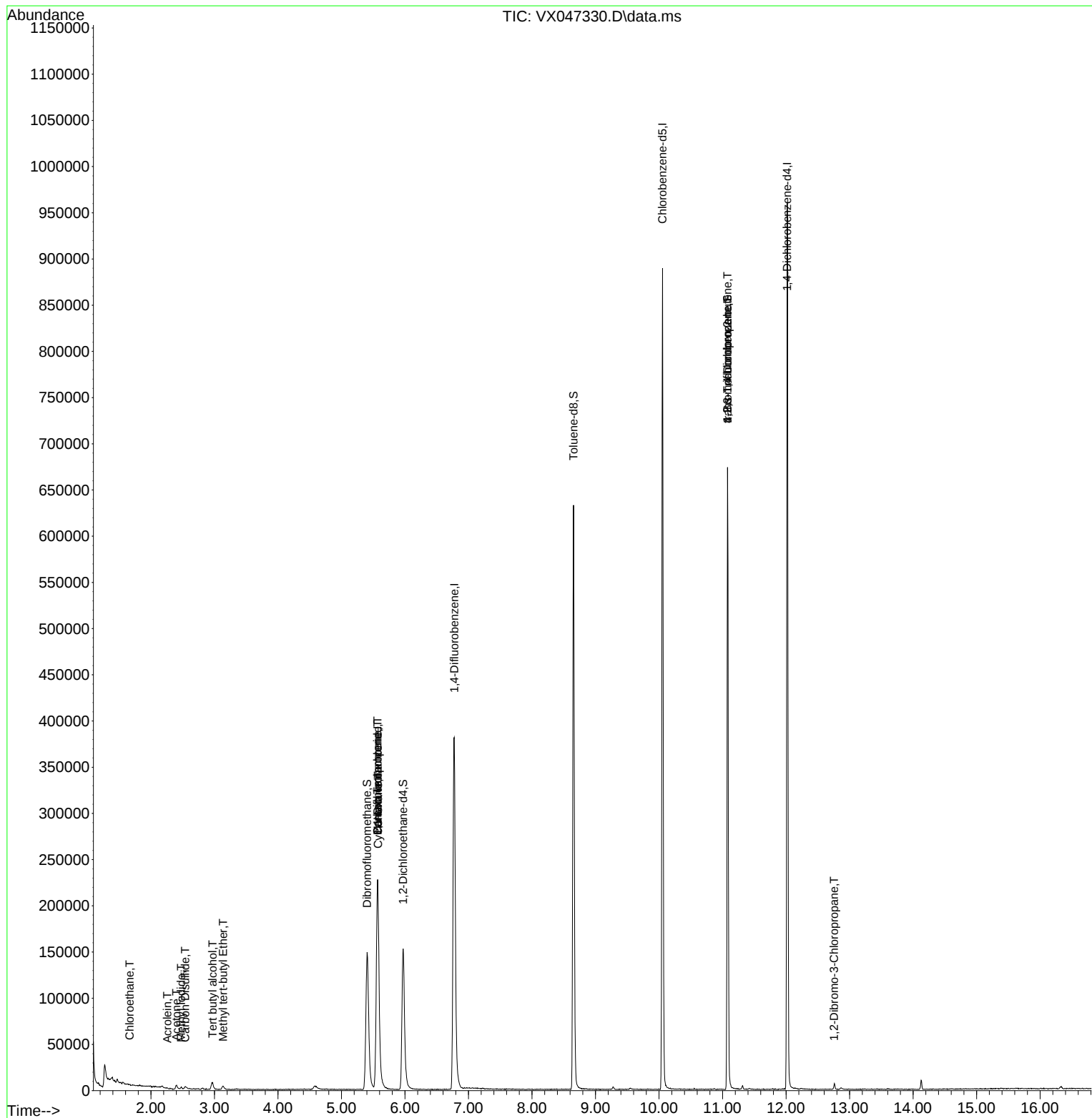
Internal Standards						
1) Pentafluorobenzene	5.568	168	226623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	419826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	198183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	163301	57.847	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 115.700%		
35) Dibromofluoromethane	5.403	113	143599	55.398	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.800%		
50) Toluene-d8	8.653	98	374974	44.668	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 89.340%#		
62) 4-Bromofluorobenzene	11.079	95	183003	50.587	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.180%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	545	0.259	ug/l #	44
10) Methyl Iodide	2.477	142	2177	0.743	ug/l #	94
11) Tert butyl alcohol	2.971	59	4017	1.967	ug/l #	75
13) Acrolein	2.258	56	247	0.406	ug/l #	24
16) Acetone	2.398	43	6333	5.600	ug/l	99
17) Carbon Disulfide	2.538	76	2398	0.291	ug/l #	88
19) Methyl tert-butyl Ether	3.136	73	4013	0.463	ug/l #	89
31) Cyclohexane	5.574	56	4985	0.945	ug/l #	14
36) 1,1-Dichloropropene	5.568	75	19026	4.306	ug/l #	49
38) Carbon Tetrachloride	5.568	117	23705	5.027	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	95689	26.086	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	95689	67.207	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	178	0.208	ug/l #	2

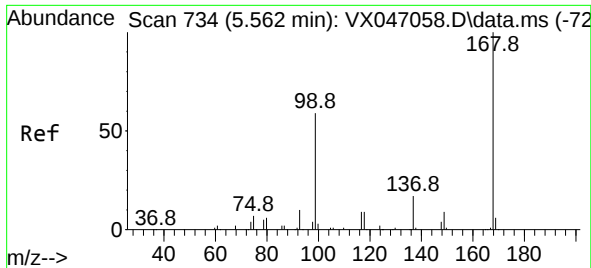
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047330.D
Acq On : 13 Aug 2025 18:02
Operator : JC/MD
Sample : Q2815-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

Quant Time: Aug 14 03:32:56 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

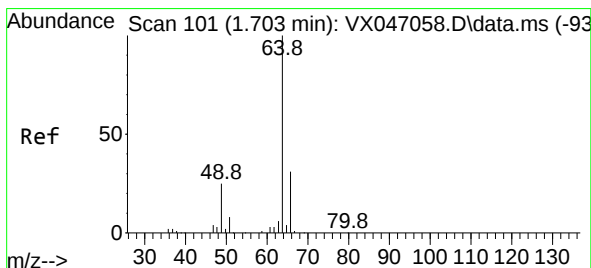
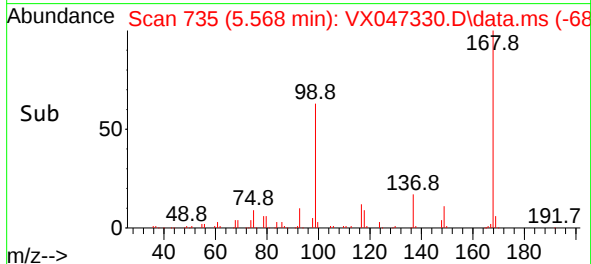
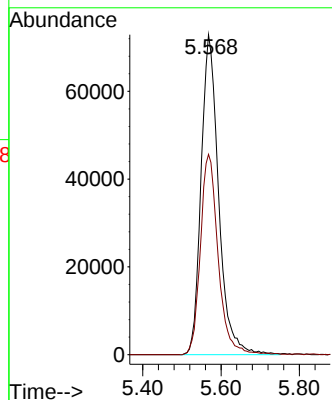
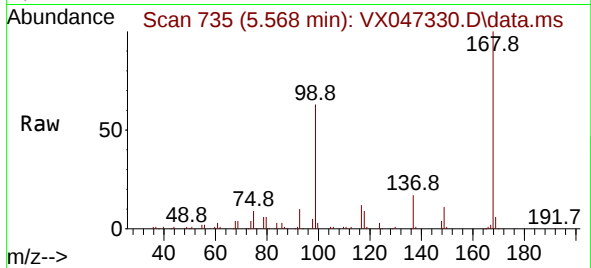




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

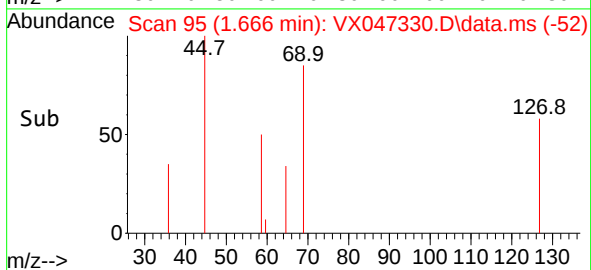
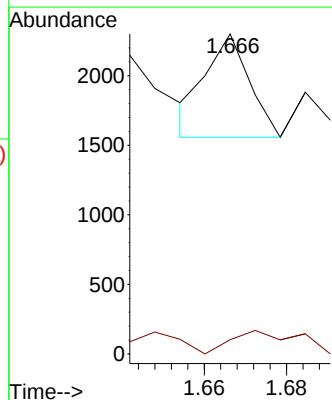
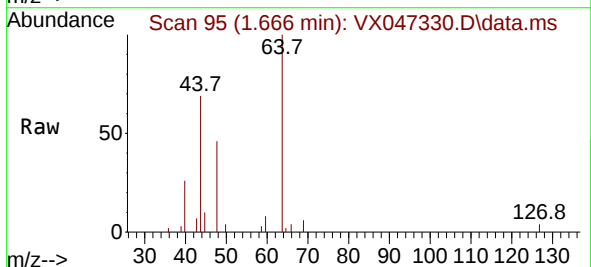
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

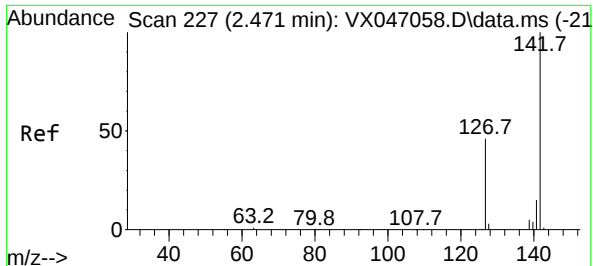
Tgt Ion:168 Resp: 226623
Ion Ratio Lower Upper
168 100
99 62.6 48.0 72.0



#6
Chloroethane
Concen: 0.259 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.036 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

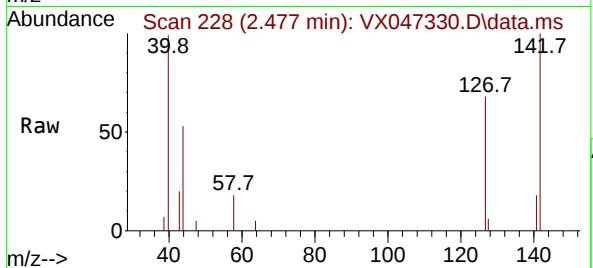
Tgt Ion: 64 Resp: 545
Ion Ratio Lower Upper
64 100
66 0.1 25.0 37.6#



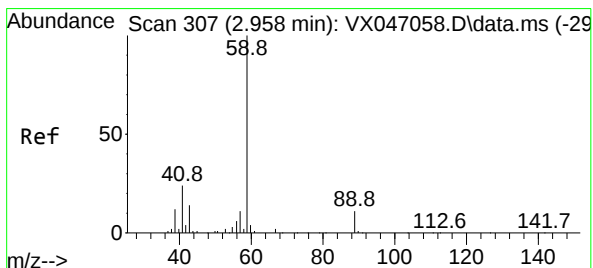
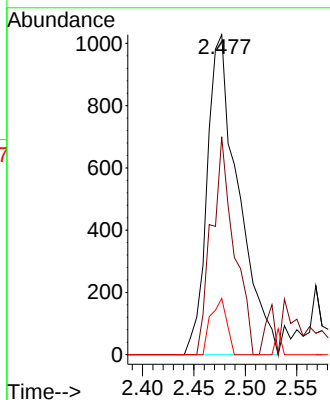
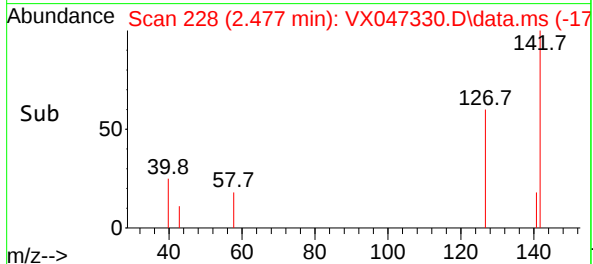


#10
Methyl Iodide
Concen: 0.743 ug/l
RT: 2.477 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

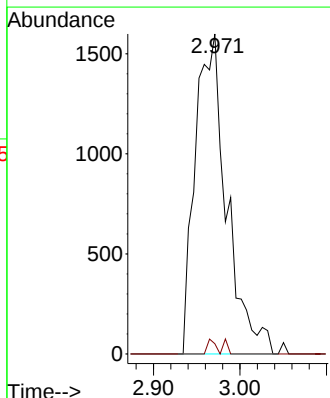
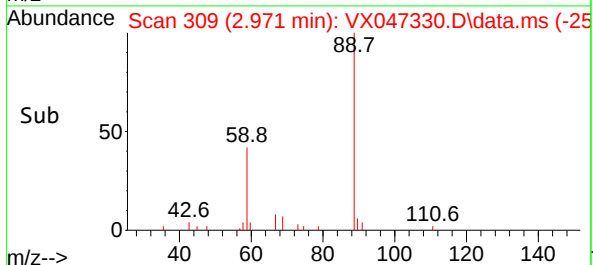
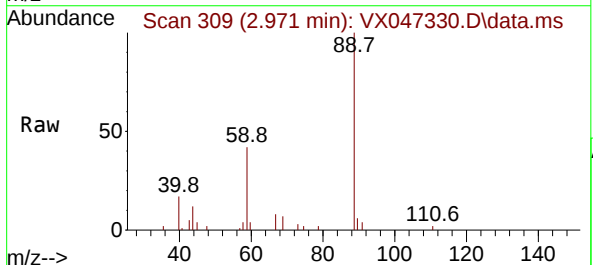


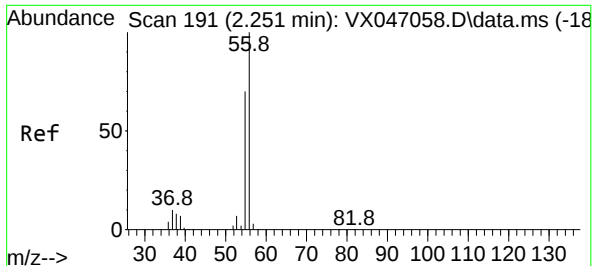
Tgt Ion:142 Resp: 2177
Ion Ratio Lower Upper
142 100
127 48.8 36.6 54.8
141 9.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: 1.967 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Tgt Ion: 59 Resp: 4017
Ion Ratio Lower Upper
59 100
57 1.1 8.5 12.7#





#13

Acrolein

Concen: 0.406 ug/l

RT: 2.258 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX047330.D

Acq: 13 Aug 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

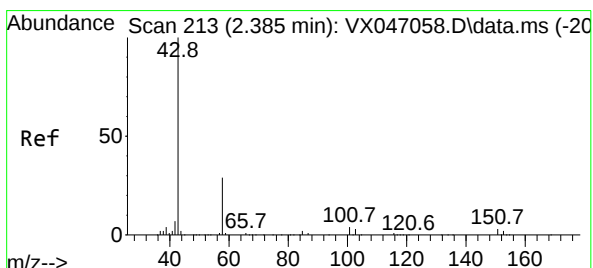
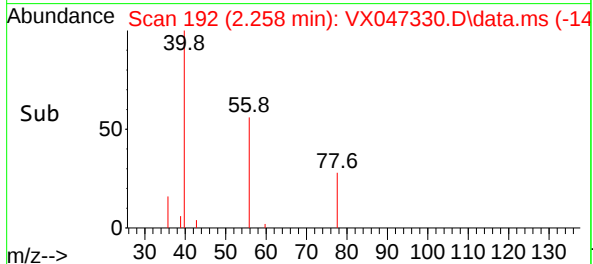
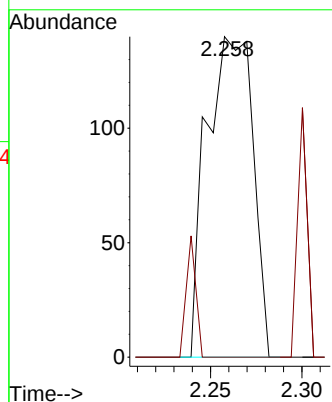
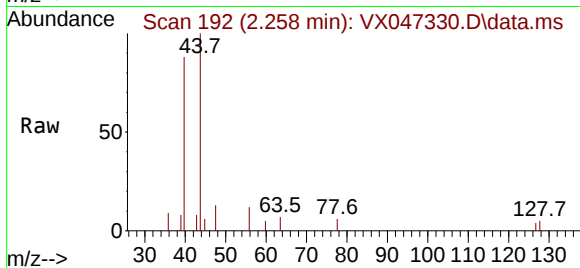
TW-88H-E

Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 7.7 55.7 83.5#



#16

Acetone

Concen: 5.600 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX047330.D

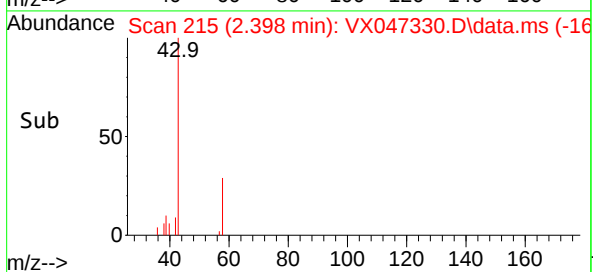
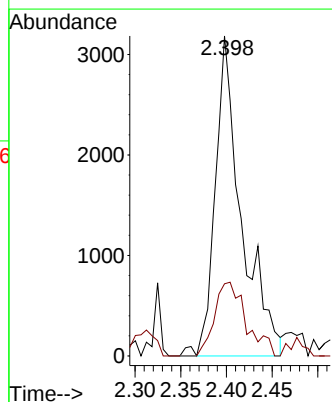
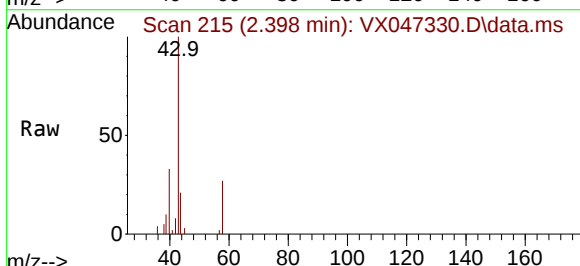
Acq: 13 Aug 2025 18:02

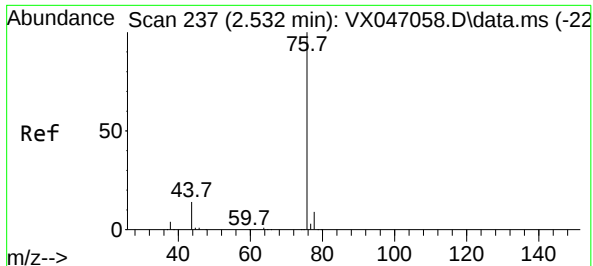
Tgt Ion: 43 Resp: 6333

Ion Ratio Lower Upper

43 100

58 29.3 24.0 36.0





#17

Carbon Disulfide

Concen: 0.291 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047330.D

Acq: 13 Aug 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

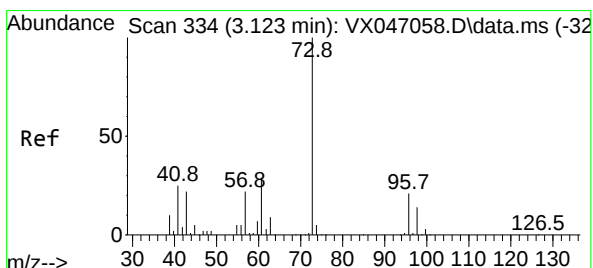
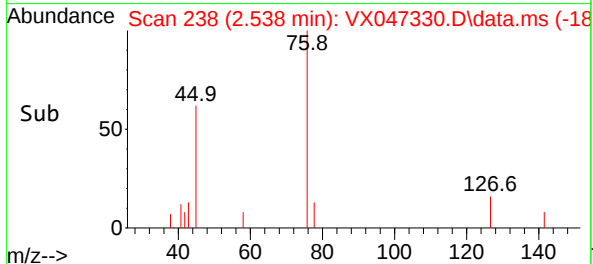
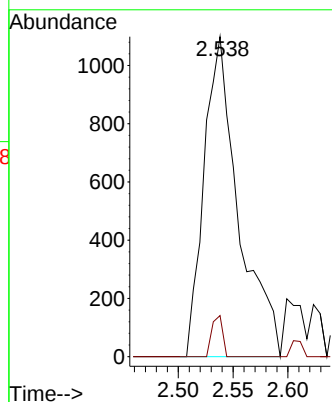
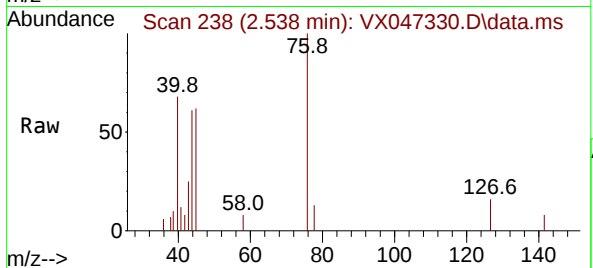
TW-88H-E

Tgt Ion: 76 Resp: 2398

Ion Ratio Lower Upper

76 100

78 12.8 7.0 10.4#



#19

Methyl tert-butyl Ether

Concen: 0.463 ug/l

RT: 3.136 min Scan# 336

Delta R.T. 0.013 min

Lab File: VX047330.D

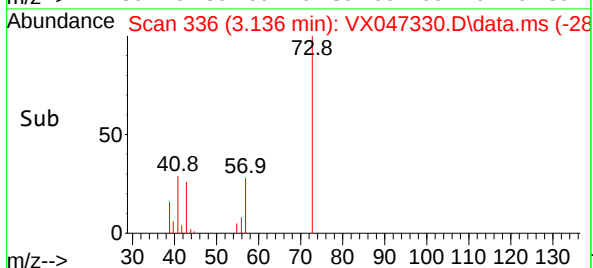
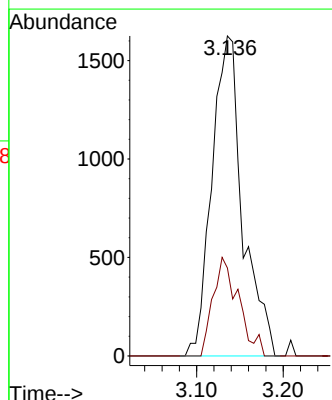
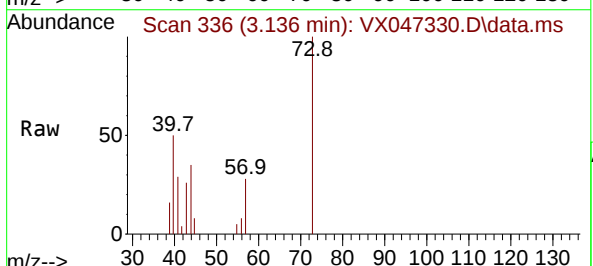
Acq: 13 Aug 2025 18:02

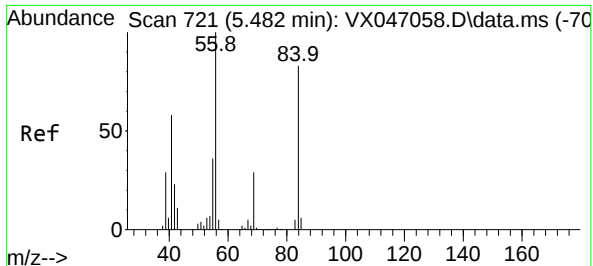
Tgt Ion: 73 Resp: 4013

Ion Ratio Lower Upper

73 100

57 27.5 17.7 26.5#

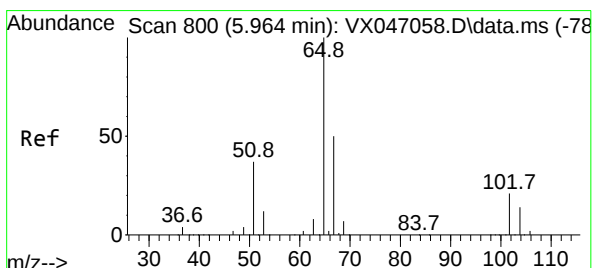
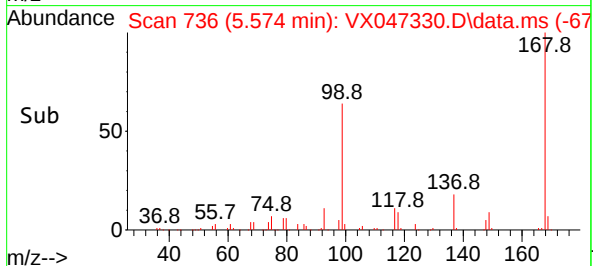
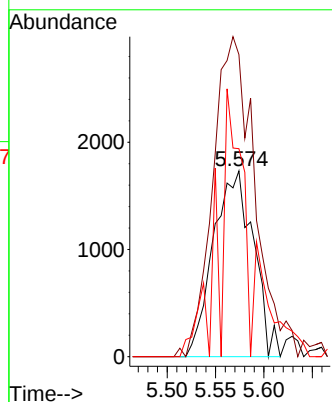
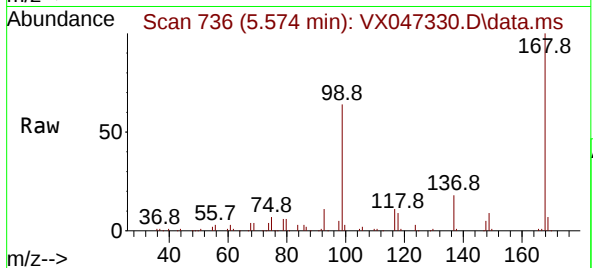




#31
Cyclohexane
Concen: 0.945 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.092 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

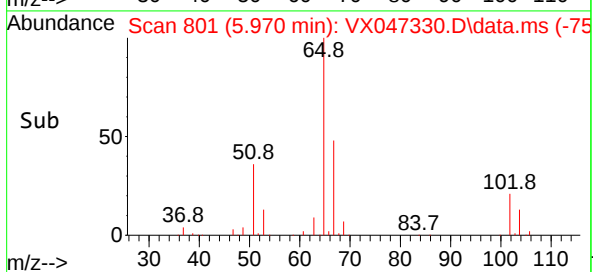
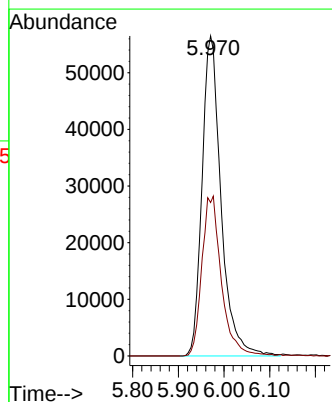
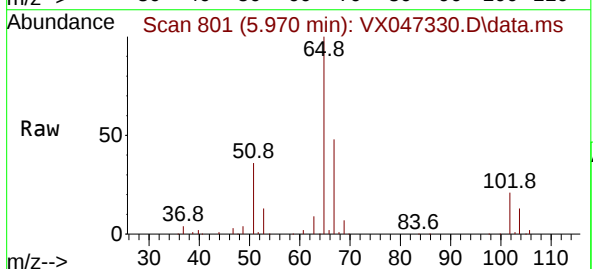
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

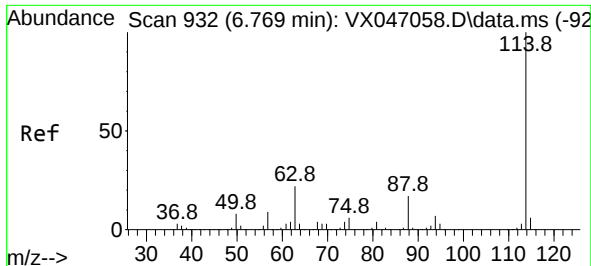
Tgt Ion: 56 Resp: 4985
Ion Ratio Lower Upper
56 100
69 158.0 23.3 34.9#
84 111.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 57.847 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Tgt Ion: 65 Resp: 163301
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

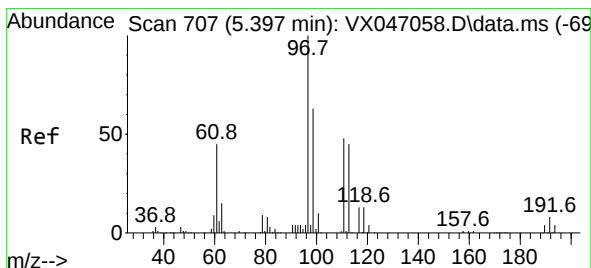
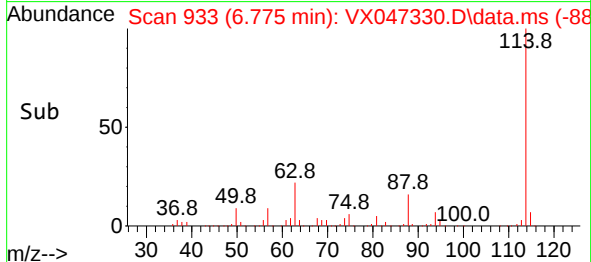
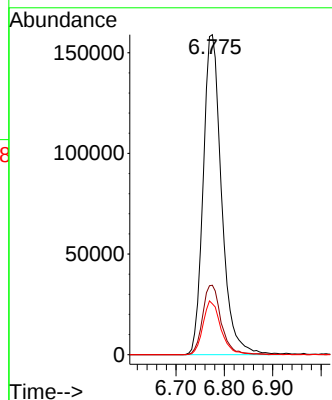
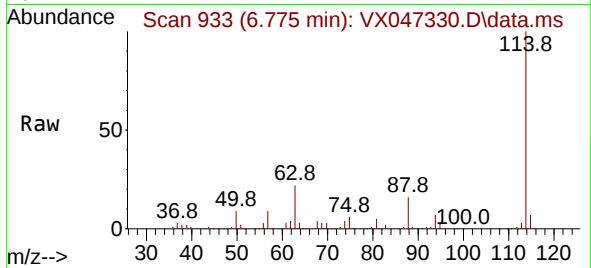




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

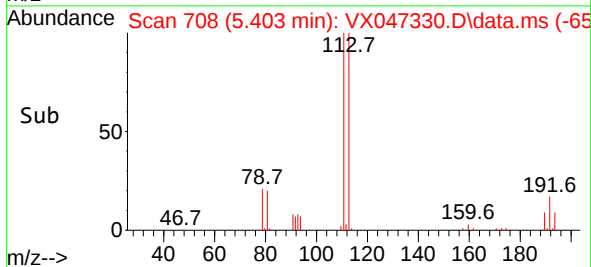
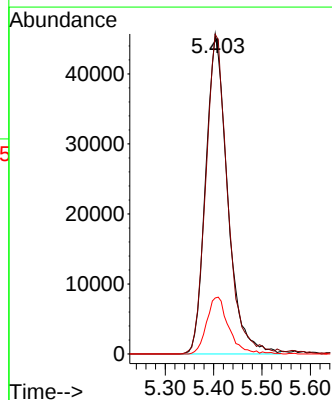
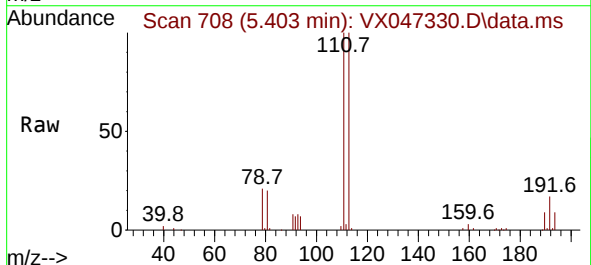
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

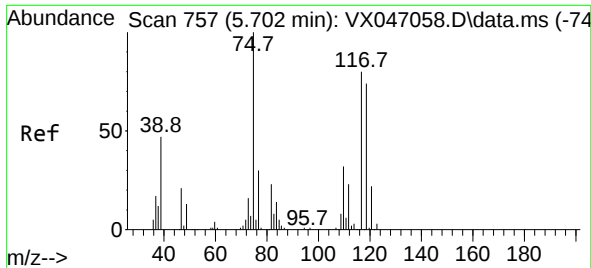
Tgt Ion:114 Resp: 419826
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 15.9 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.398 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Tgt Ion:113 Resp: 143599
Ion Ratio Lower Upper
113 100
111 99.6 82.6 124.0
192 17.9 14.9 22.3

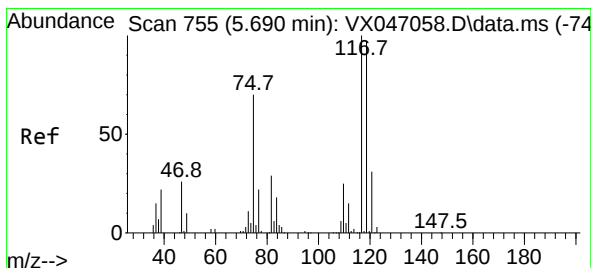
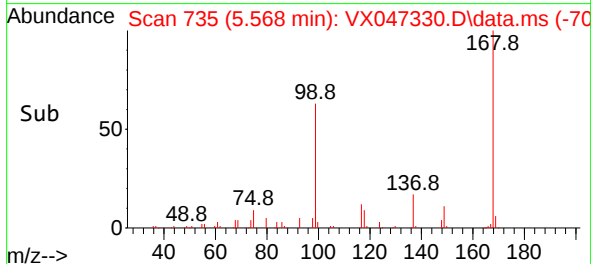
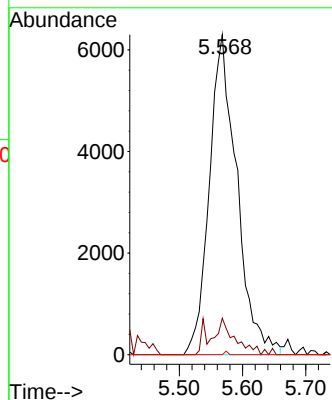
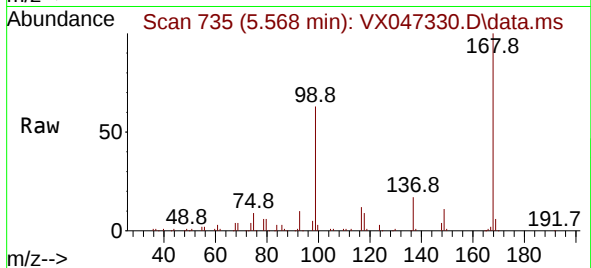




#36
 1,1-Dichloropropene
 Concen: 4.306 ug/l
 RT: 5.568 min Scan# 71
 Delta R.T. -0.134 min
 Lab File: VX047330.D
 Acq: 13 Aug 2025 18:02

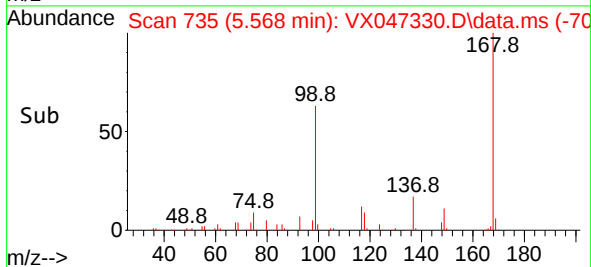
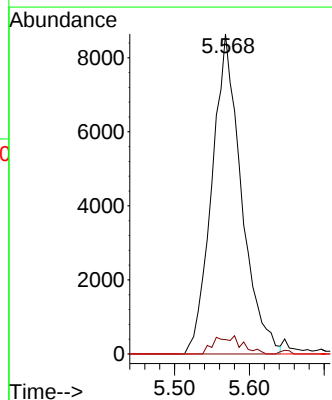
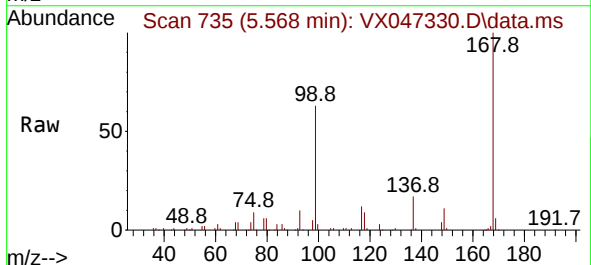
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-88H-E

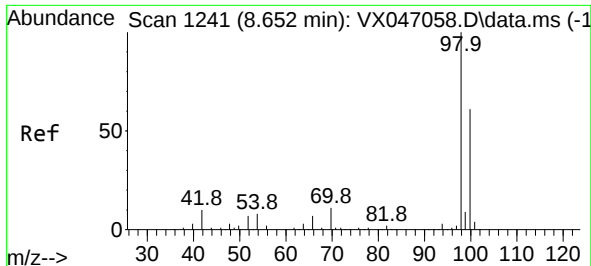
Tgt Ion: 75 Resp: 19026
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.2 51.5#
 77 0.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.027 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.122 min
 Lab File: VX047330.D
 Acq: 13 Aug 2025 18:02

Tgt Ion: 117 Resp: 23705
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.6 115.0#
 121 0.0 24.4 36.6#

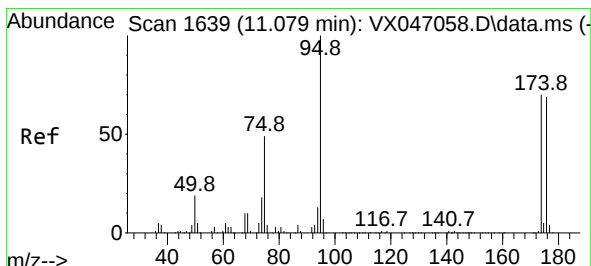
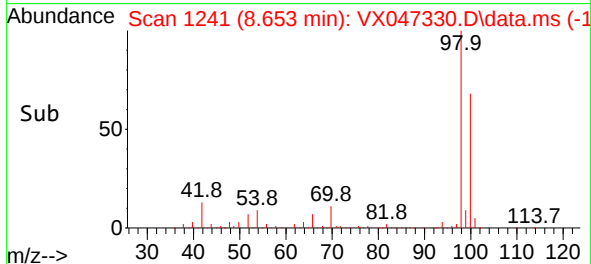
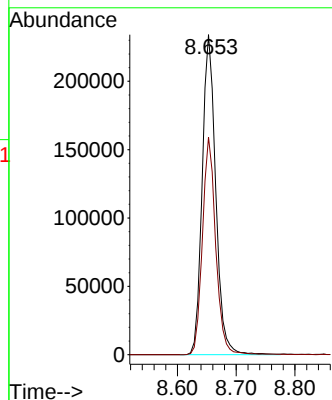
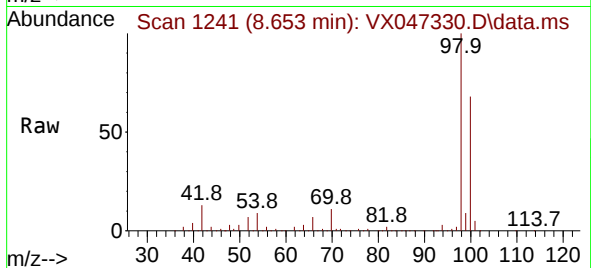




#50
Toluene-d8
Concen: 44.668 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

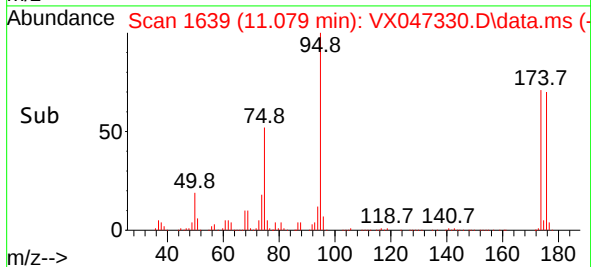
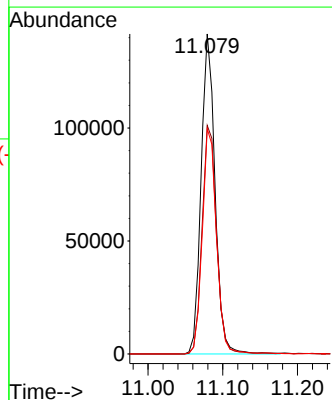
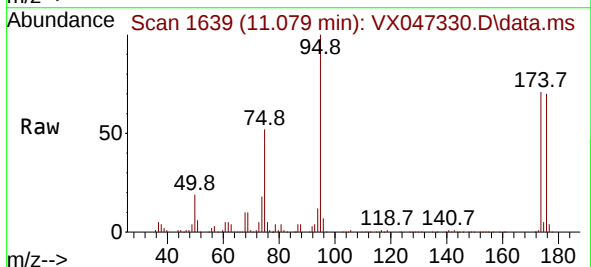
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

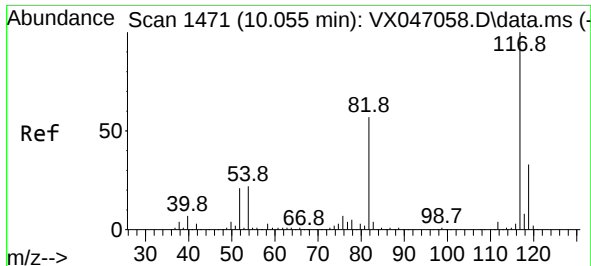
Tgt Ion: 98 Resp: 374974
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.587 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Tgt Ion: 95 Resp: 183003
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.6
176 71.5 0.0 139.6

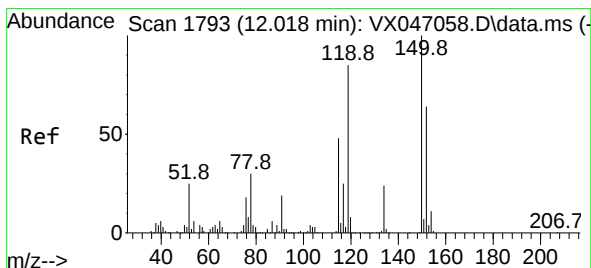
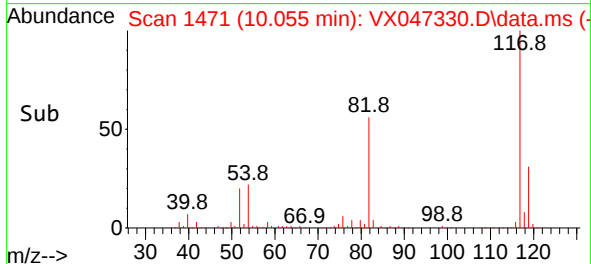
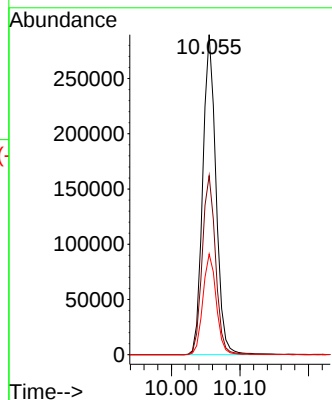
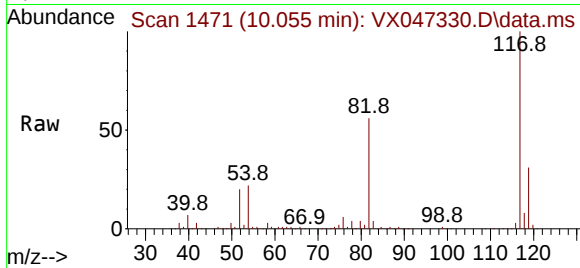




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

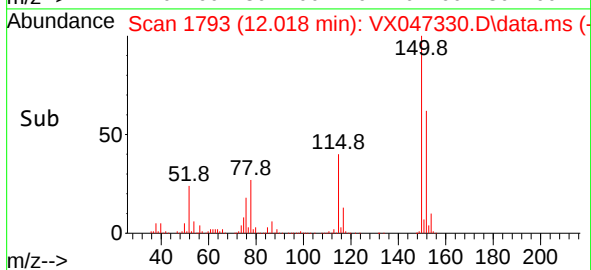
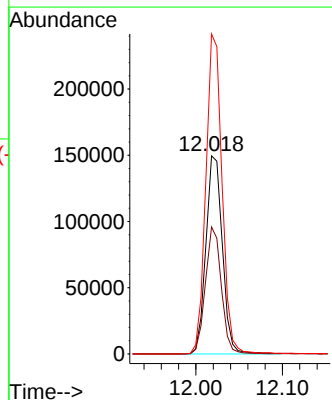
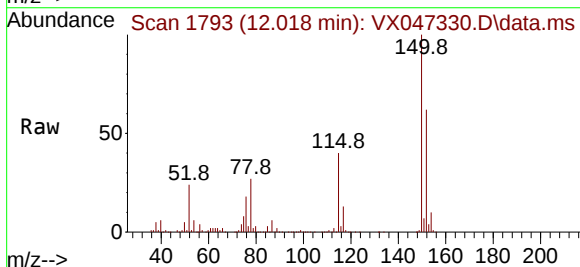
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

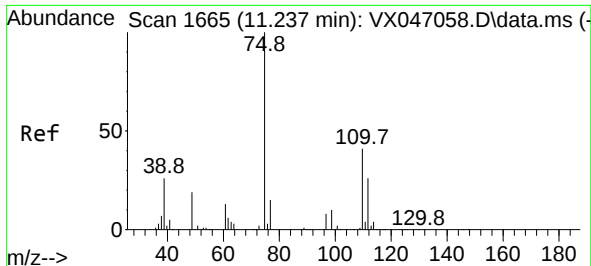
Tgt Ion:117 Resp: 390050
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 31.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Tgt Ion:152 Resp: 198183
Ion Ratio Lower Upper
152 100
115 61.8 45.6 136.7
150 158.2 0.0 354.6

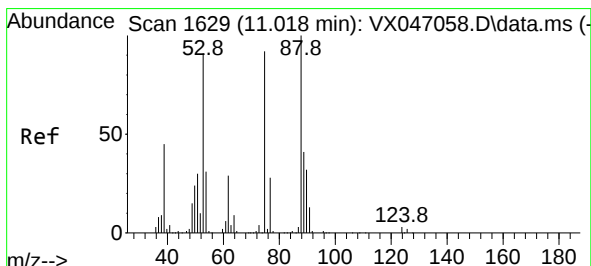
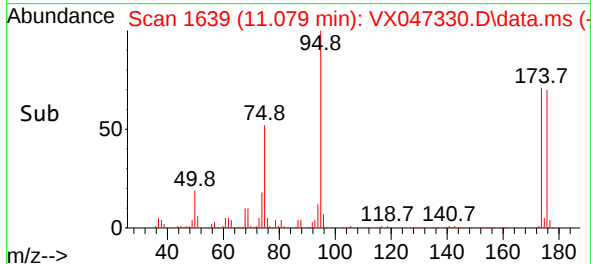
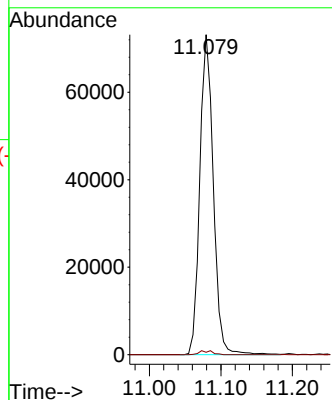
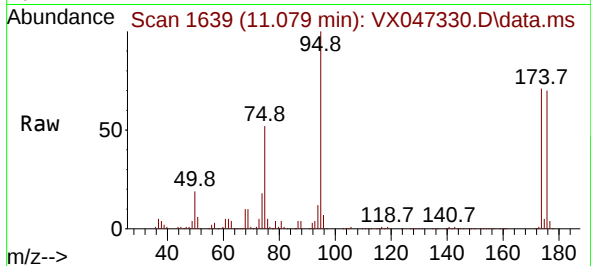




#76
1,2,3-Trichloropropane
Concen: 26.086 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

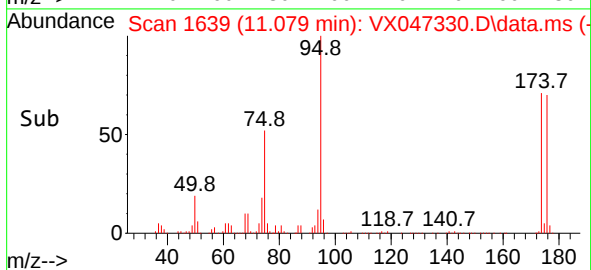
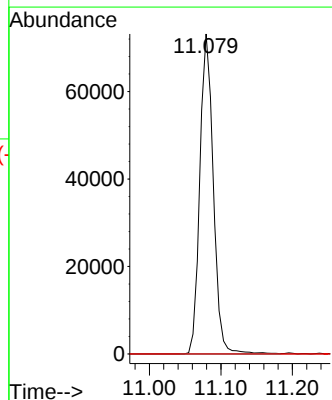
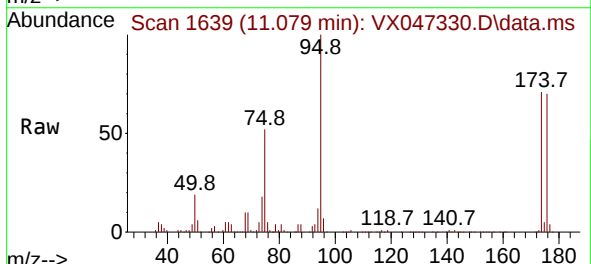
Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E

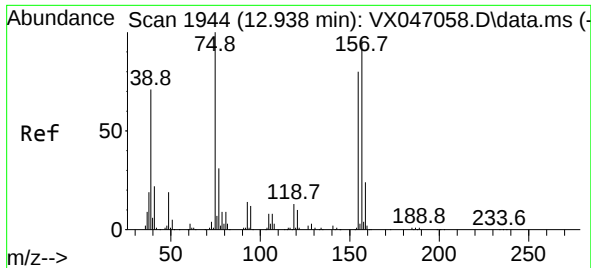
Tgt Ion: 75 Resp: 95689
Ion Ratio Lower Upper
75 100
77 1.2 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.207 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

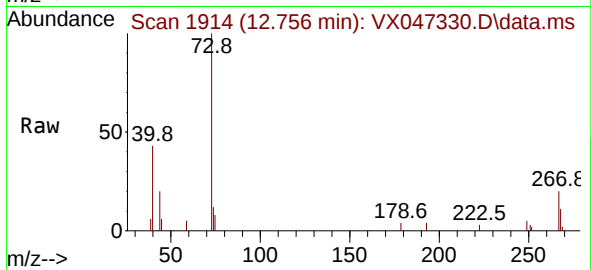
Tgt Ion: 75 Resp: 95689
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.208 ug/l
RT: 12.756 min Scan# 1914
Delta R.T. -0.183 min
Lab File: VX047330.D
Acq: 13 Aug 2025 18:02

Instrument :
MSVOA_X
ClientSampleId :
TW-88H-E



Tgt Ion:	75	Resp:	178
Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.3	124.1#
157	0.0	52.8	158.3#

