

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047305.D
 Acq On : 12 Aug 2025 18:11
 Operator : JC/MD
 Sample : Q2814-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-BP-W

Quant Time: Aug 13 01:25:39 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	226107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	389996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	143251	50.860	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.720%
35) Dibromofluoromethane	5.403	113	125425	52.088	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.180%
50) Toluene-d8	8.653	98	350845	44.991	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.980%#
62) 4-Bromofluorobenzene	11.079	95	171221	50.950	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.900%
Target Compounds						
10) Methyl Iodide	2.477	142	2005	0.686	ug/l #	93
11) Tert butyl alcohol	2.959	59	828	Below Cal	#	72
16) Acetone	2.398	43	6802	6.028	ug/l	93
17) Carbon Disulfide	2.532	76	2394	0.291	ug/l #	74
31) Cyclohexane	5.562	56	5246	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18989	4.626	ug/l #	50
38) Carbon Tetrachloride	5.568	117	24183	5.520	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	88986	26.585	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	88986	68.493	ug/l #	8

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

Quant Time: Aug 13 01:25:39 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

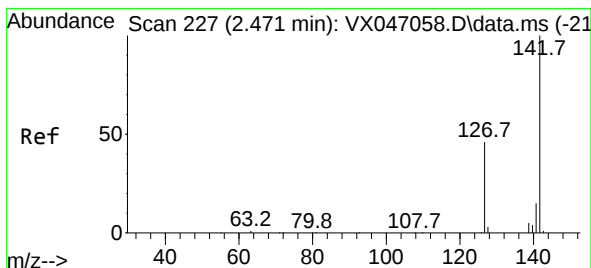
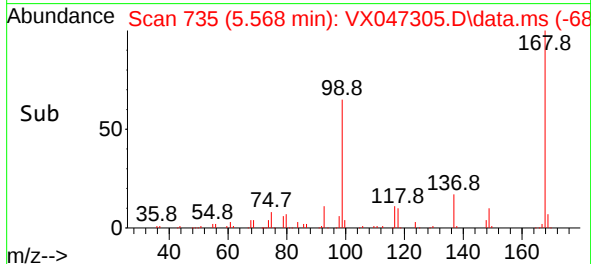
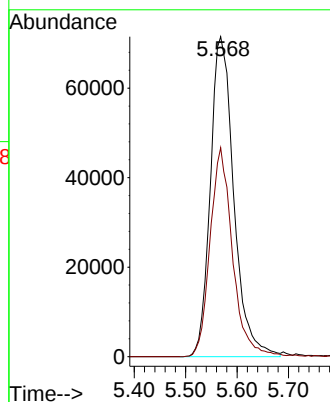
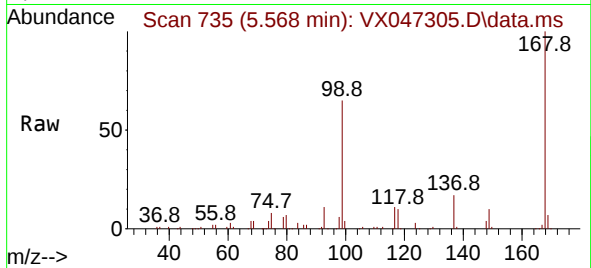




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

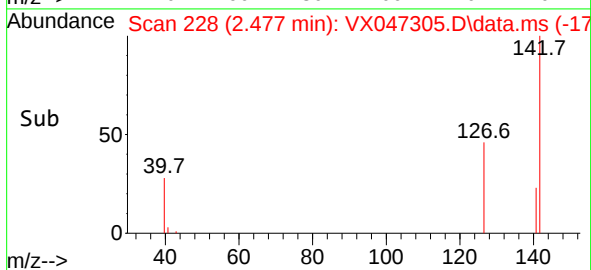
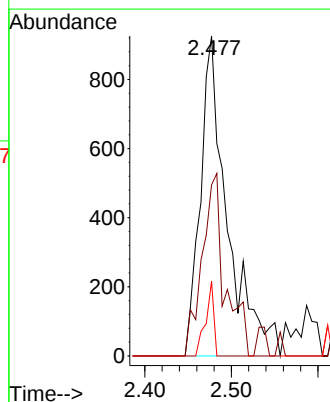
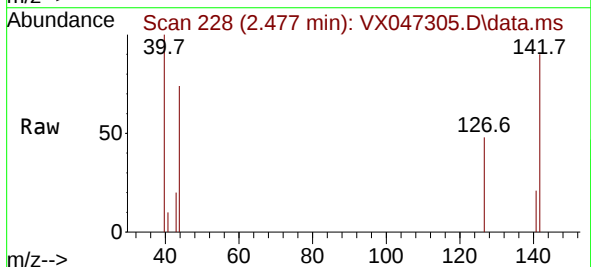
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

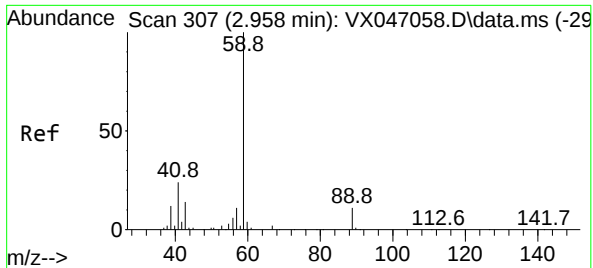
Tgt Ion:168 Resp: 226107
Ion Ratio Lower Upper
168 100
99 65.3 48.0 72.0



#10
Methyl Iodide
Concen: 0.686 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion:142 Resp: 2005
Ion Ratio Lower Upper
142 100
127 48.3 36.6 54.8
141 6.9 10.9 16.3#

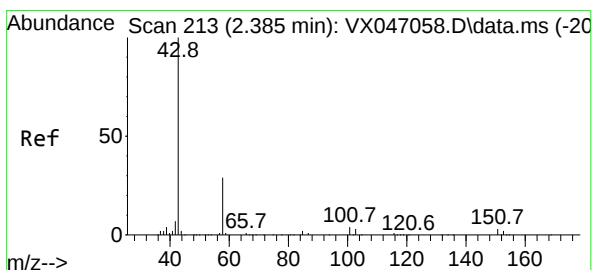
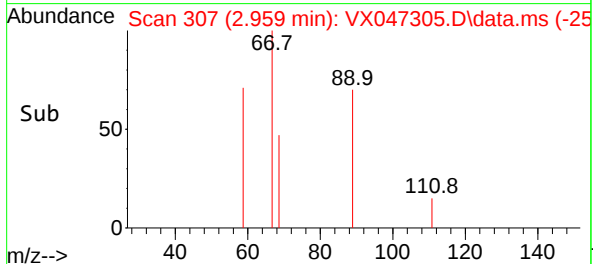
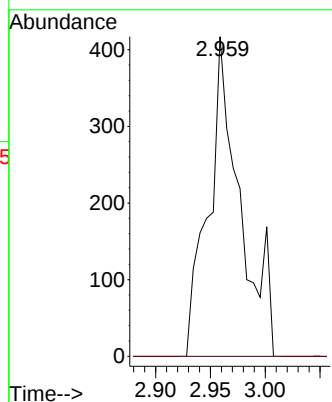
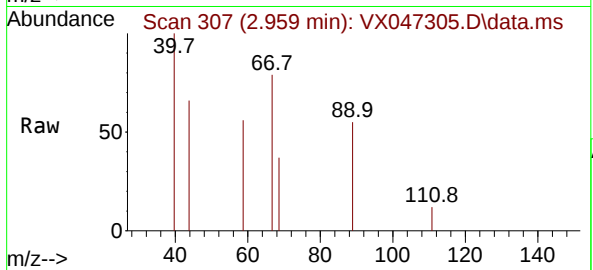




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

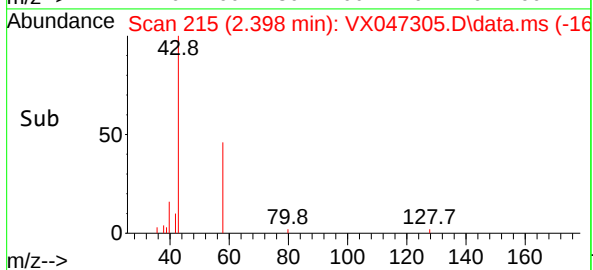
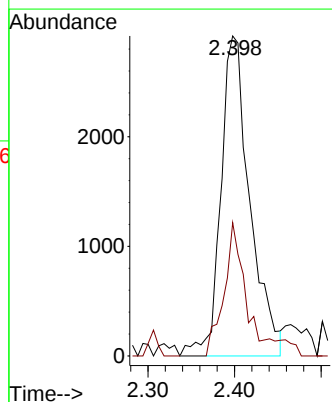
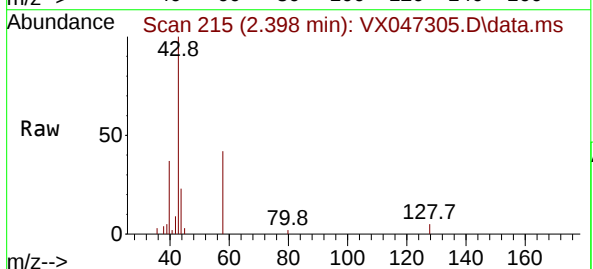
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

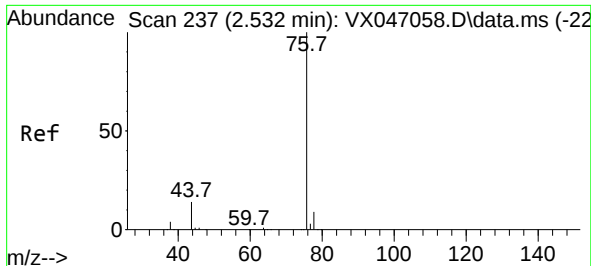
Tgt Ion: 59 Resp: 828
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 6.028 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 43 Resp: 6802
Ion Ratio Lower Upper
43 100
58 33.9 24.0 36.0

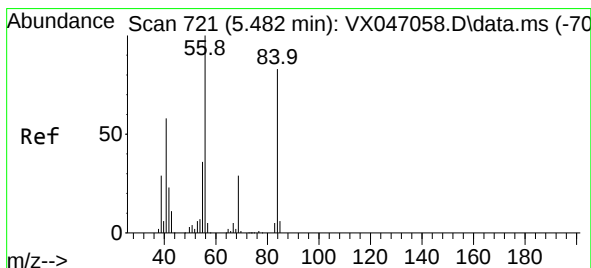
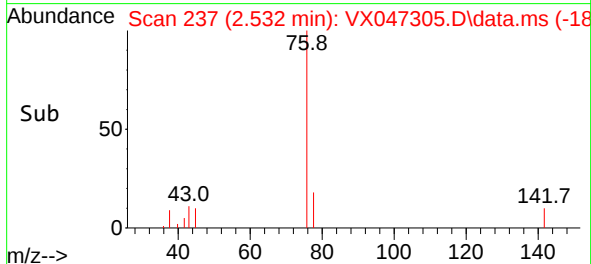
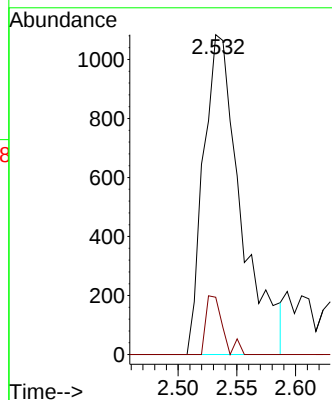
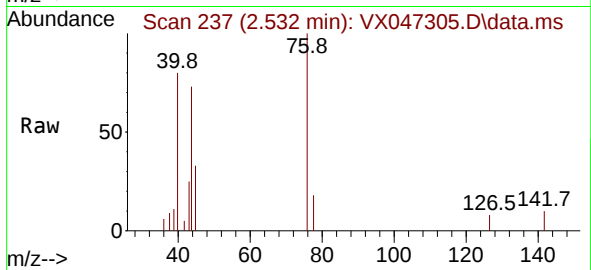




#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.532 min Scan# 217
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

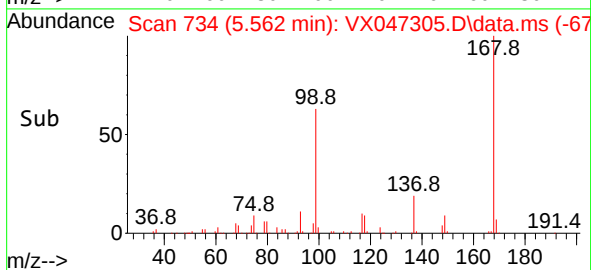
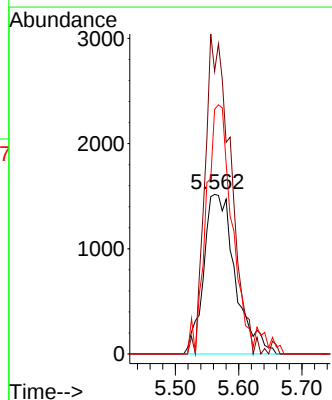
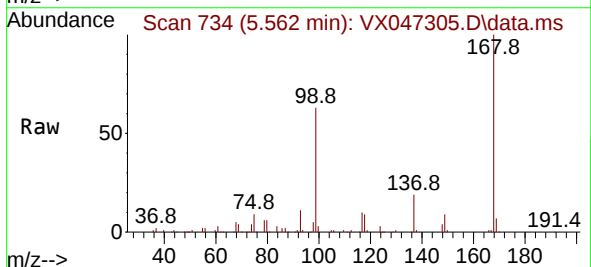
Instrument :
MSVOA_X
Client Sample Id :
TW-BP-W

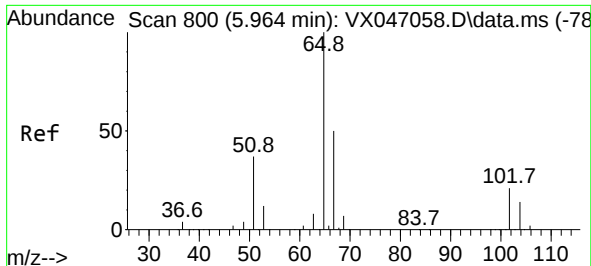
Tgt Ion: 76 Resp: 2394
Ion Ratio Lower Upper
76 100
78 17.9 7.0 10.4#



#31
Cyclohexane
Concen: 0.996 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 56 Resp: 5246
Ion Ratio Lower Upper
56 100
69 177.1 23.3 34.9#
84 153.3 66.5 99.7#

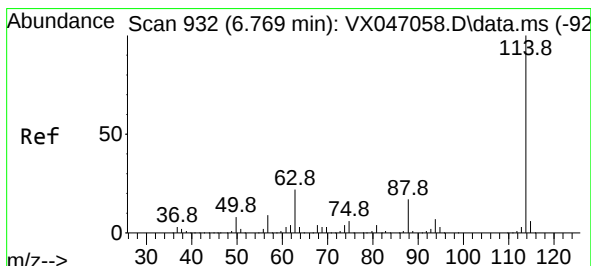
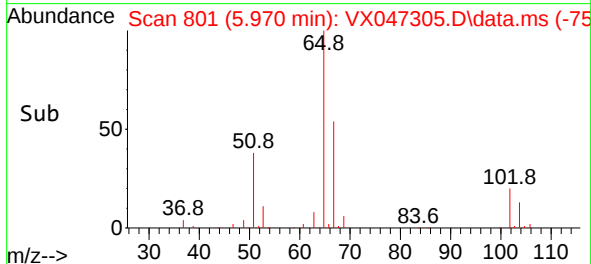
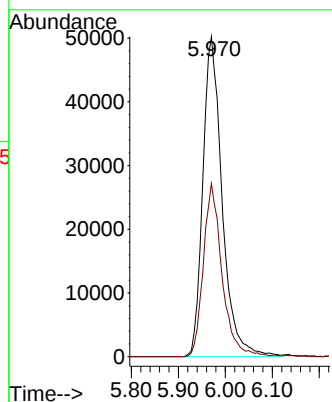
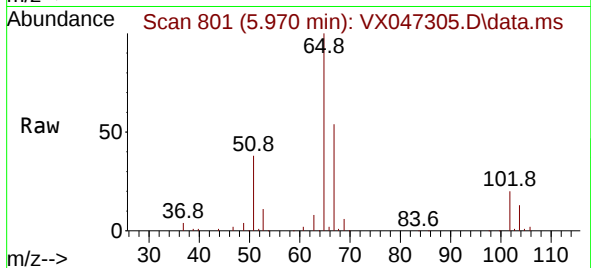




#33
 1,2-Dichloroethane-d4
 Concen: 50.860 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047305.D
 Acq: 12 Aug 2025 18:11

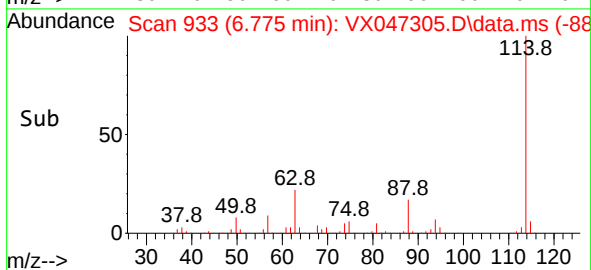
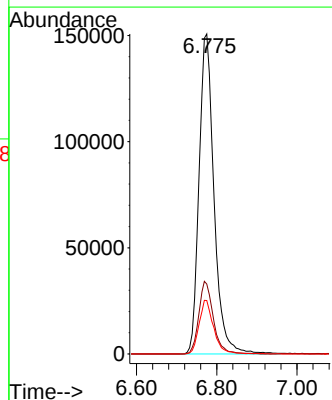
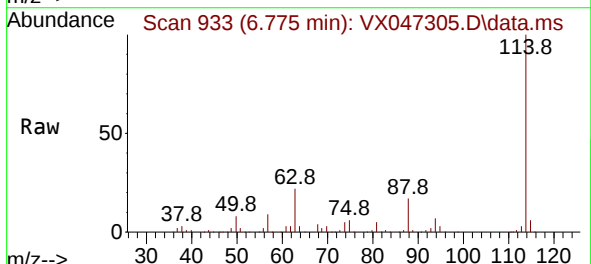
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-BP-W

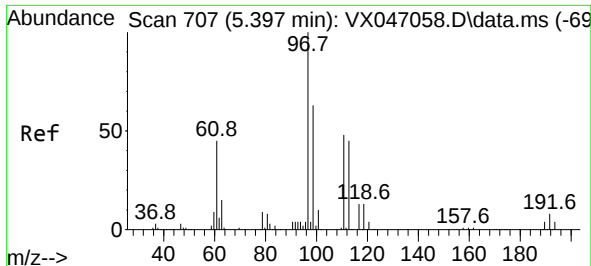
Tgt Ion: 65 Resp: 143251
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.006 min
 Lab File: VX047305.D
 Acq: 12 Aug 2025 18:11

Tgt Ion: 114 Resp: 389996
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.7 0.0 33.8

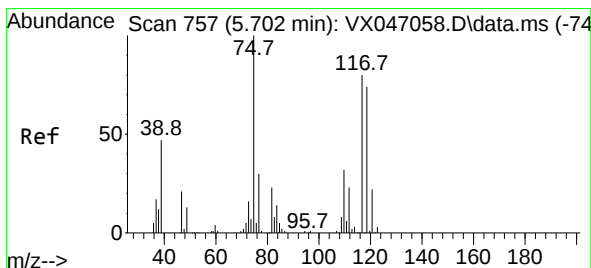
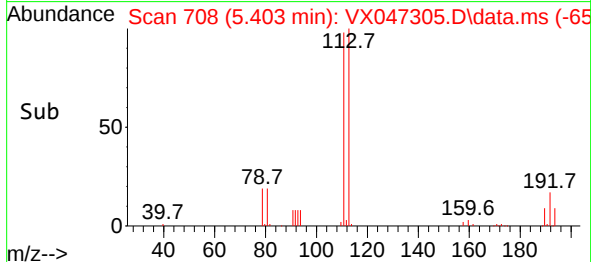
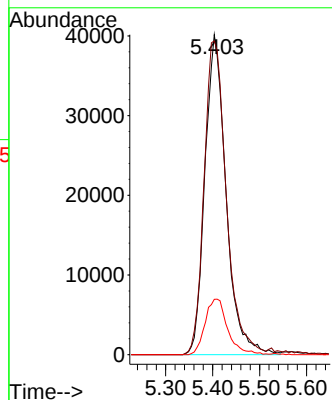
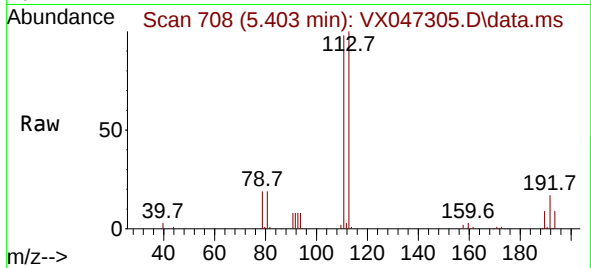




#35
Dibromofluoromethane
Concen: 52.088 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

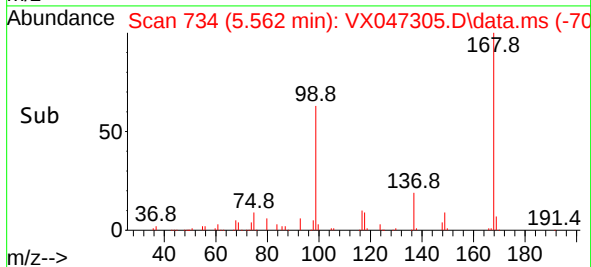
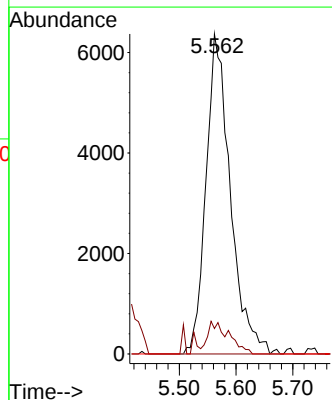
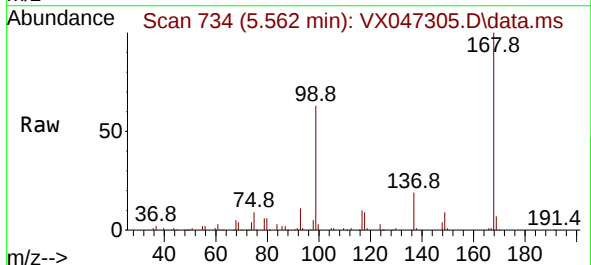
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

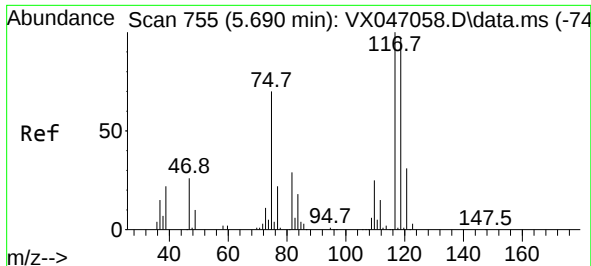
Tgt Ion:113 Resp: 125425
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 18.5 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.626 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

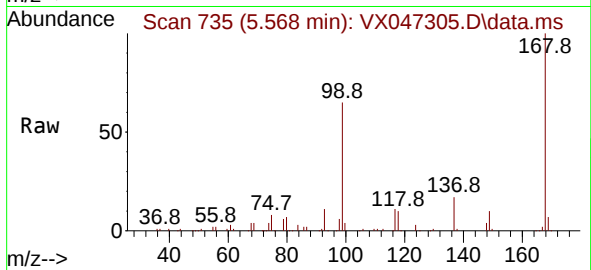
Tgt Ion: 75 Resp: 18989
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.5#
77 0.0 25.1 37.7#



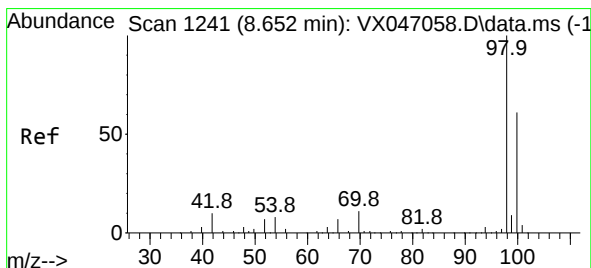
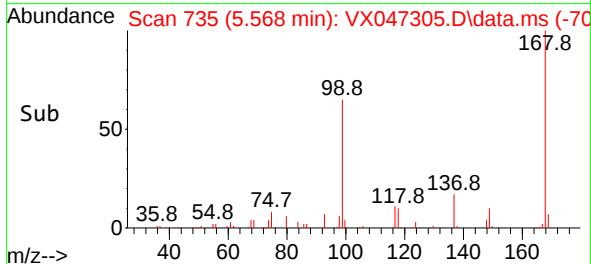
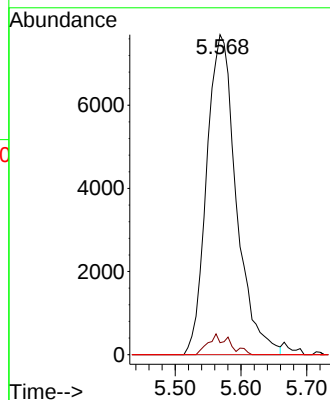


#38
Carbon Tetrachloride
Concen: 5.520 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

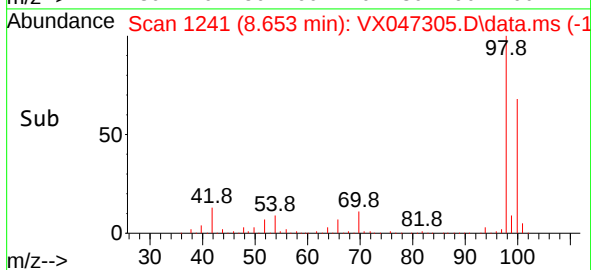
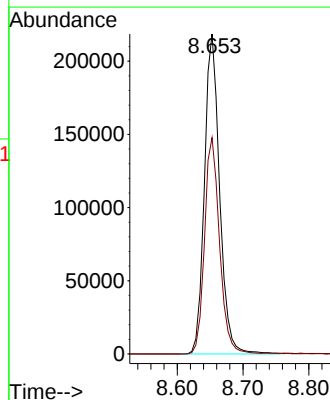
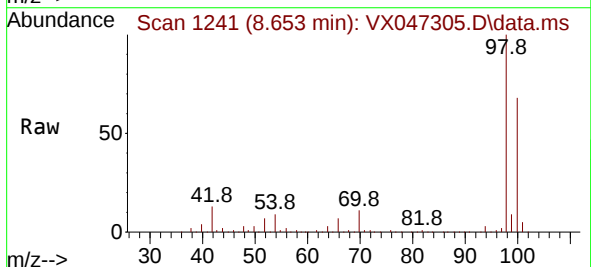


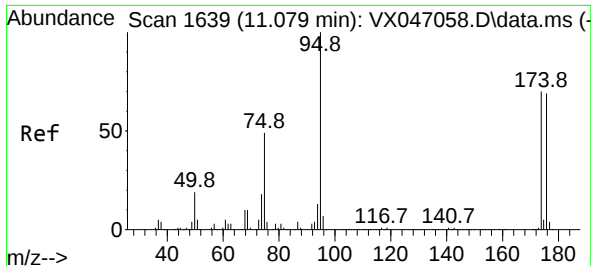
Tgt Ion:117 Resp: 24183
Ion Ratio Lower Upper
117 100
119 3.8 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.991 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 98 Resp: 350845
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9

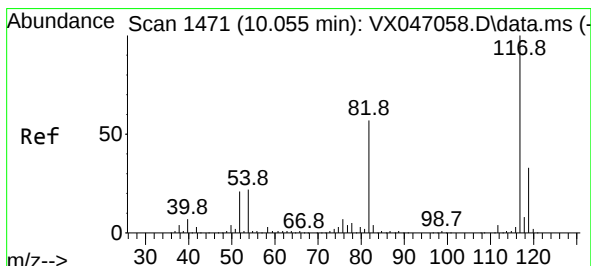
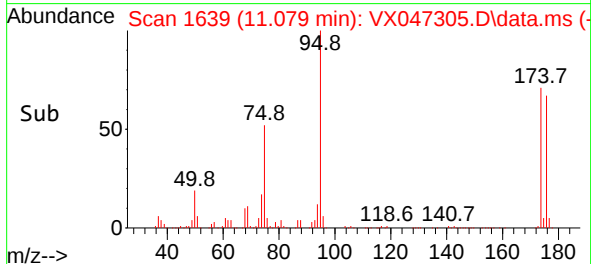
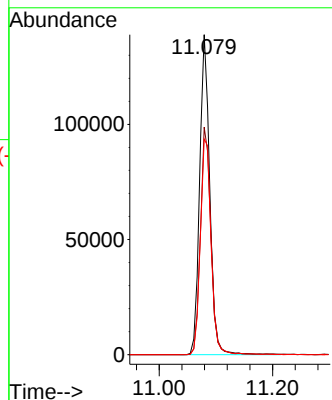
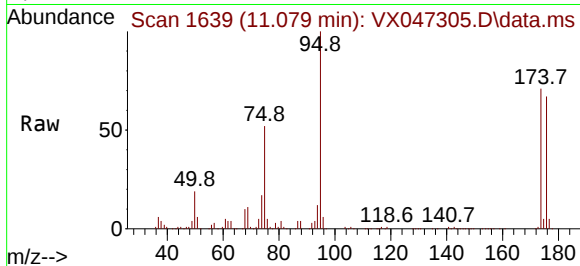




#62
4-Bromofluorobenzene
Concen: 50.950 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

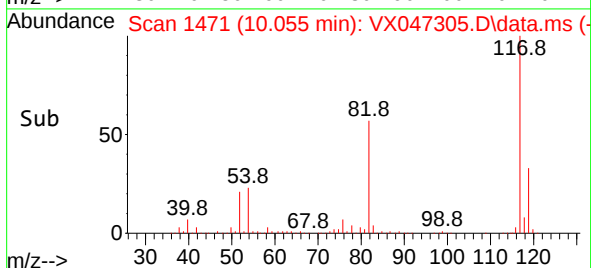
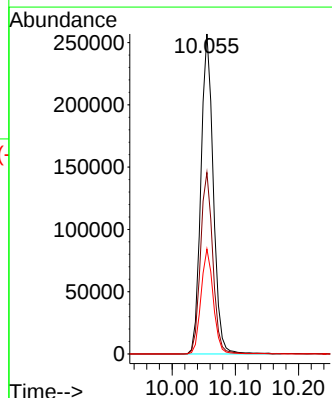
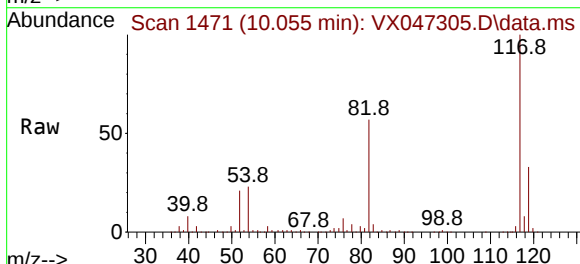
Instrument :
MSVOA_X
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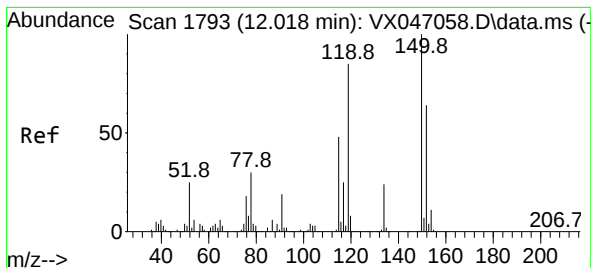
Tgt Ion: 95 Resp: 171221
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.6
176 71.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 117 Resp: 350131
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.8 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: VX047305.D

Acq: 12 Aug 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

TW-BP-W

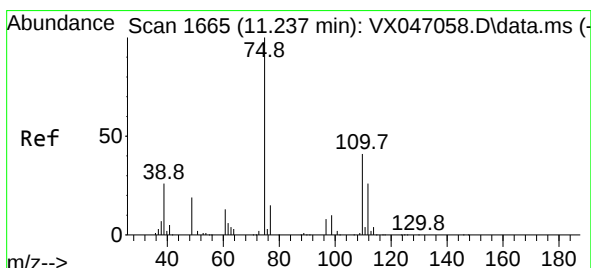
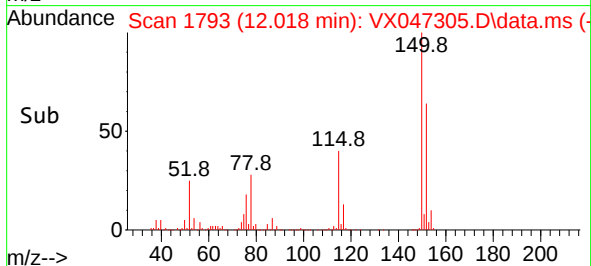
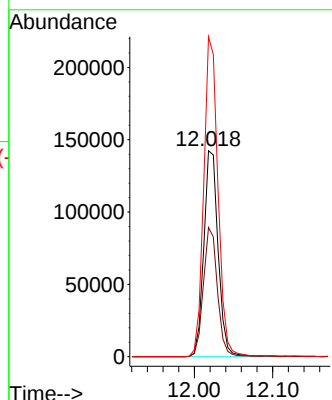
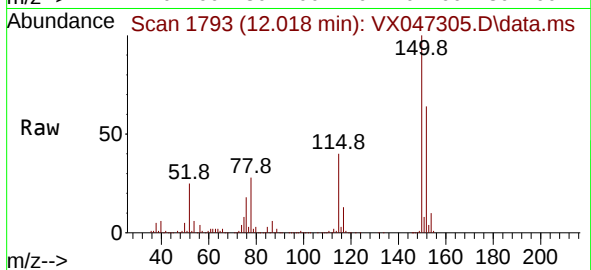
Tgt Ion:152 Resp: 180840

Ion Ratio Lower Upper

152 100

115 61.5 45.6 136.7

150 153.8 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.585 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047305.D

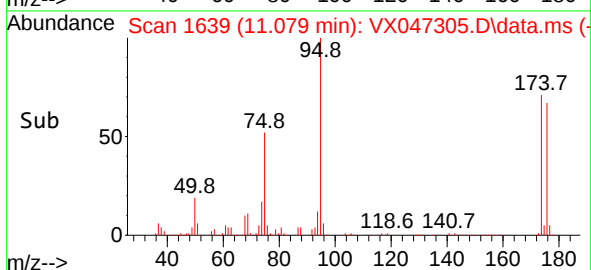
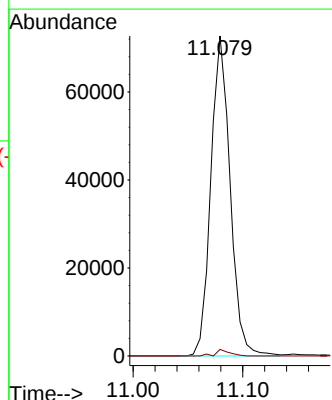
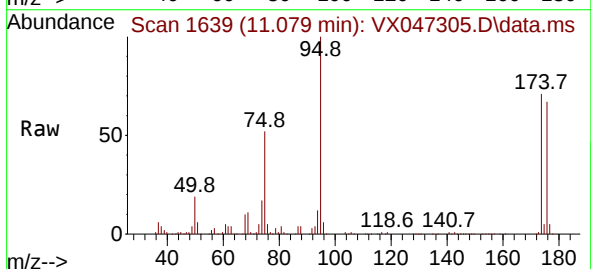
Acq: 12 Aug 2025 18:11

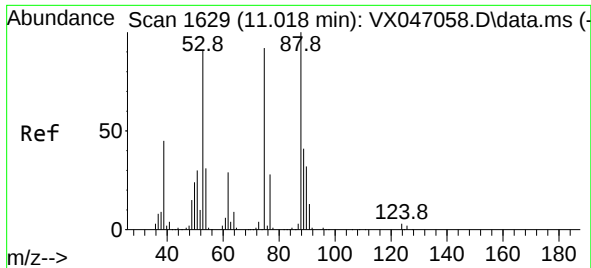
Tgt Ion: 75 Resp: 88986

Ion Ratio Lower Upper

75 100

77 1.5 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.493 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047305.D
 Acq: 12 Aug 2025 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-BP-W

Tgt Ion: 75 Resp: 88986
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.2 126.4#
 89 0.0 36.0 54.0#

