

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047302.D
 Acq On : 12 Aug 2025 17:06
 Operator : JC/MD
 Sample : Q2814-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-BP-S

Quant Time: Aug 13 01:24:29 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)

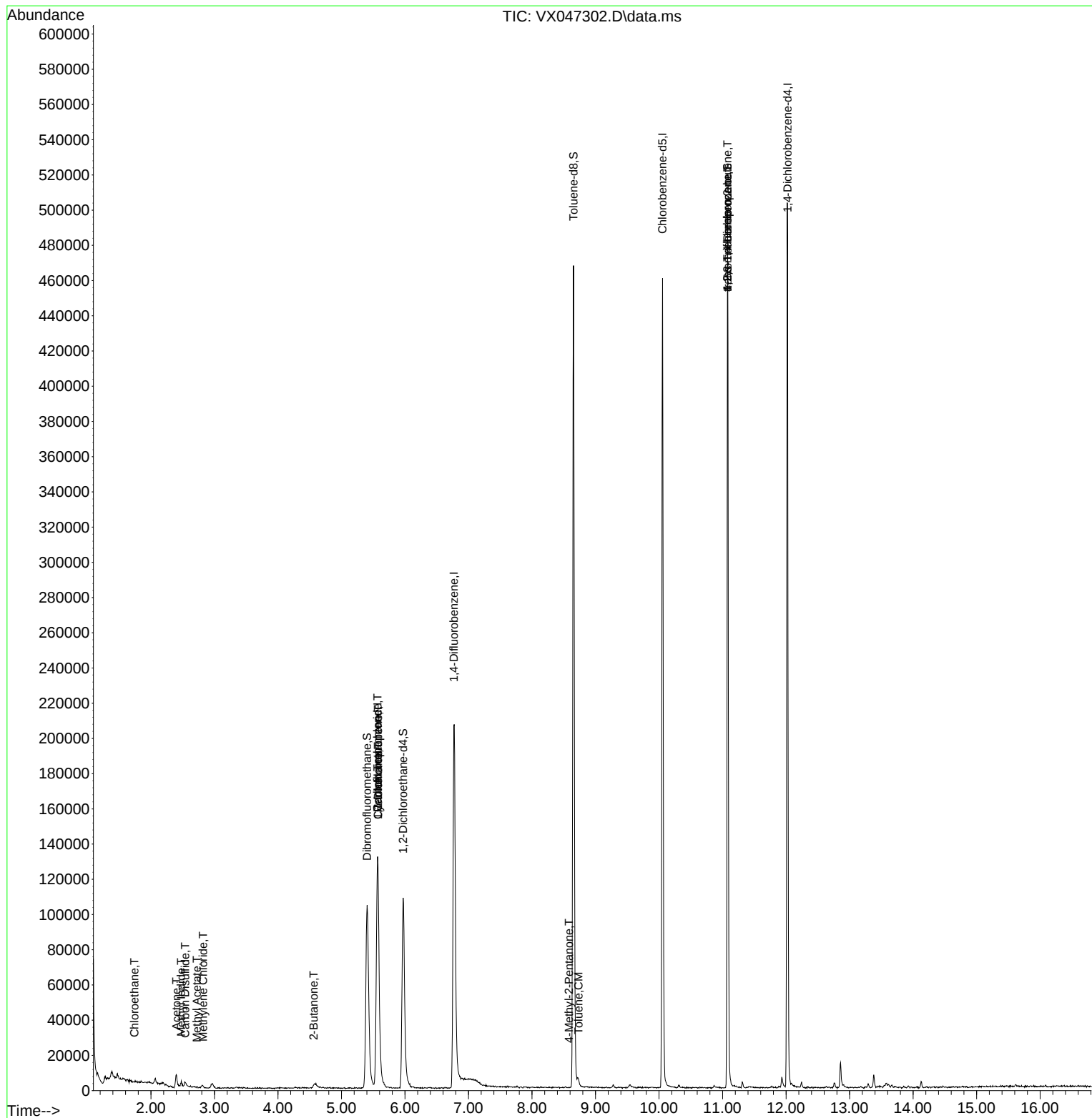
Internal Standards						
1) Pentafluorobenzene	5.568	168	130839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	116537	71.502	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 143.000%#	
35) Dibromofluoromethane	5.403	113	101969	71.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 142.500%#	
50) Toluene-d8	8.653	98	282384	60.927	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 121.860%#	
62) 4-Bromofluorobenzene	11.079	95	134819	67.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 135.000%#	
Target Compounds						
					Qvalue	
6) Chloroethane	1.739	64	385	0.317	ug/l #	43
10) Methyl Iodide	2.477	142	3359	1.985	ug/l #	94
11) Tert butyl alcohol	2.971	59	1267	Below Cal	#	76
16) Acetone	2.398	43	10777	16.506	ug/l	98
17) Carbon Disulfide	2.538	76	3453	0.726	ug/l	96
18) Methyl Acetate	2.721	43	553	0.319	ug/l #	54
20) Methylene Chloride	2.818	84	750	0.418	ug/l	86
25) 2-Butanone	4.562	43	372	0.391	ug/l #	52
31) Cyclohexane	5.574	56	2763	0.907	ug/l #	1
36) 1,1-Dichloropropene	5.574	75	11733	4.809	ug/l #	43
38) Carbon Tetrachloride	5.568	117	13835	5.313	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	500	0.240	ug/l #	37
52) Toluene	8.732	92	1431	0.330	ug/l #	74
76) 1,2,3-Trichloropropane	11.079	75	70879	35.920	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	70879	92.545	ug/l #	8

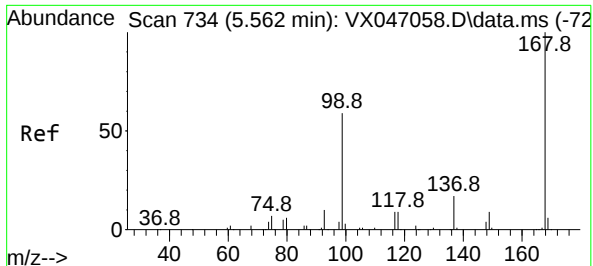
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 01:24:29 2025
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Quant Title : SW846 8260
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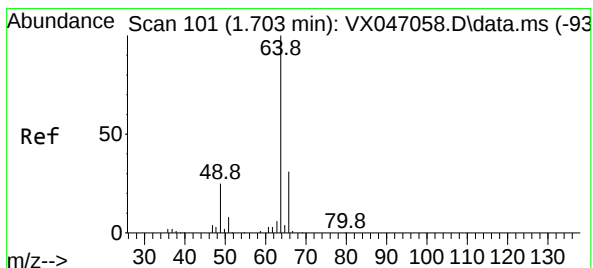
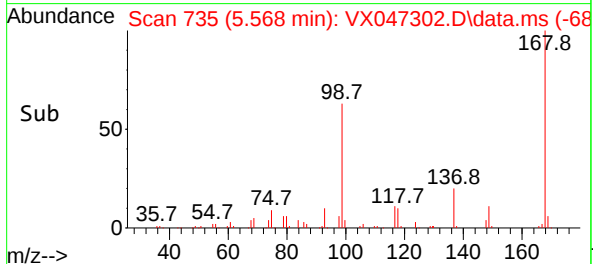
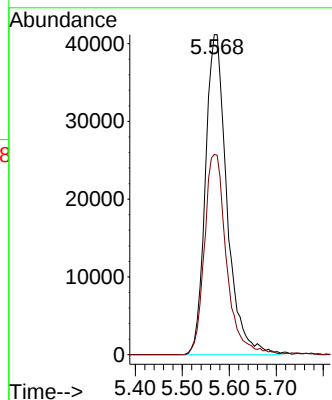
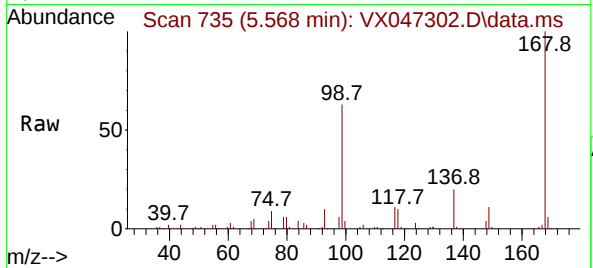




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

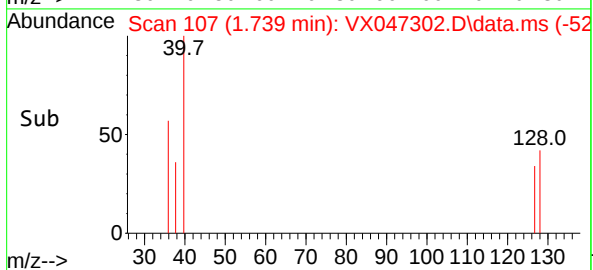
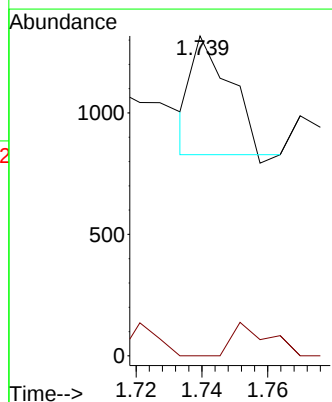
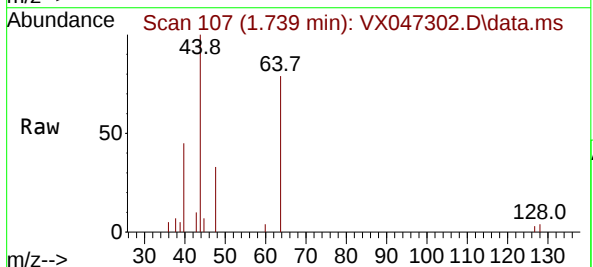
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

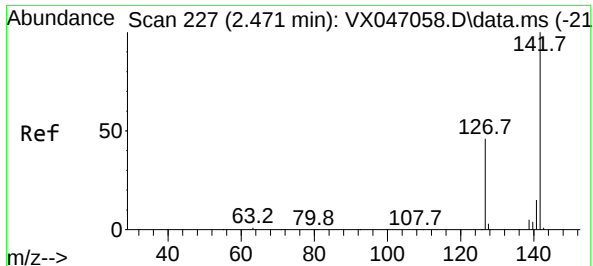
Tgt Ion:168 Resp: 130839
Ion Ratio Lower Upper
168 100
99 62.6 48.0 72.0



#6
Chloroethane
Concen: 0.317 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.037 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

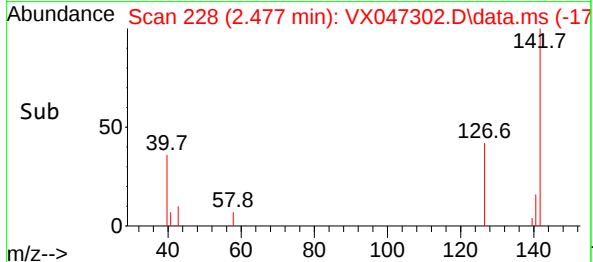
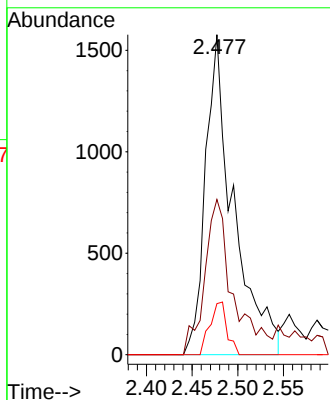
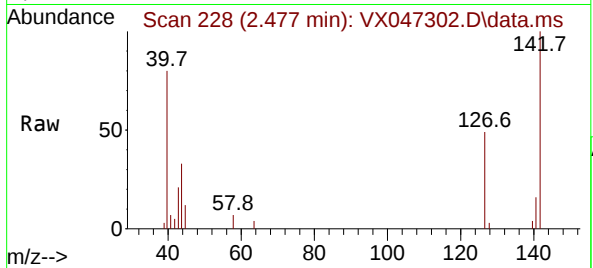




#10
Methyl Iodide
Concen: 1.985 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

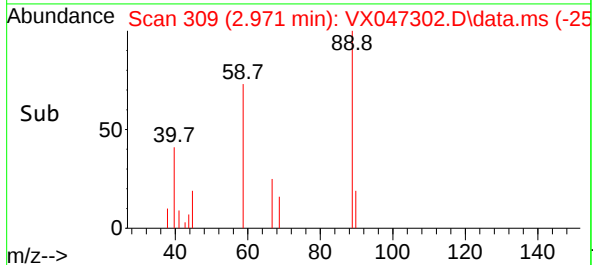
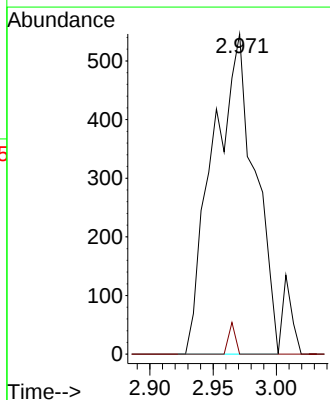
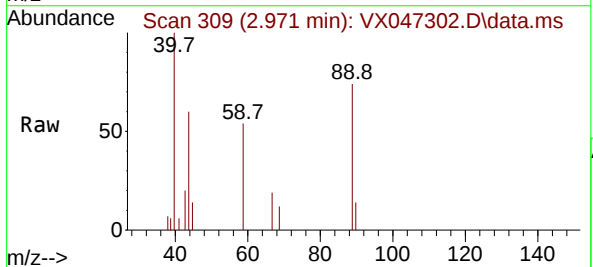
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion:142 Resp: 3359
Ion Ratio Lower Upper
142 100
127 49.2 36.6 54.8
141 10.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. 0.013 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 59 Resp: 1267
Ion Ratio Lower Upper
59 100
57 1.6 8.5 12.7#

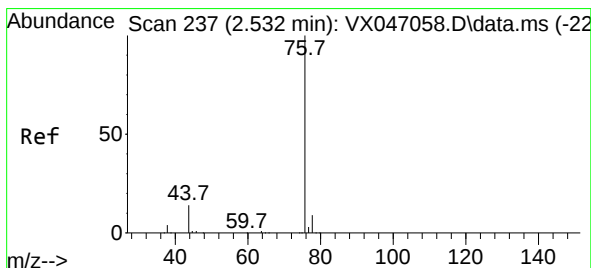
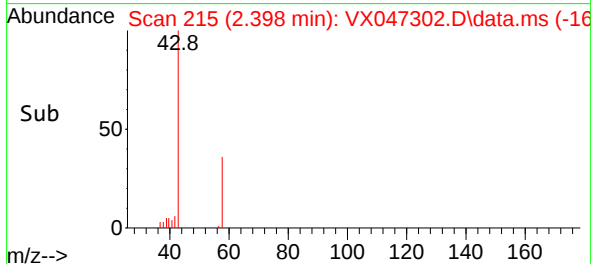
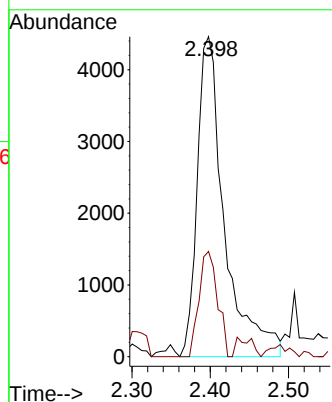
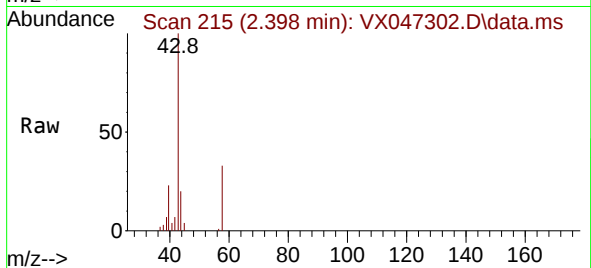




#16
Acetone
Concen: 16.506 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

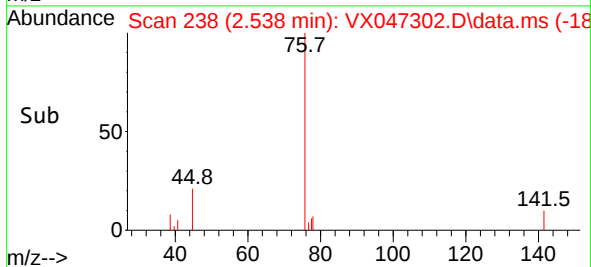
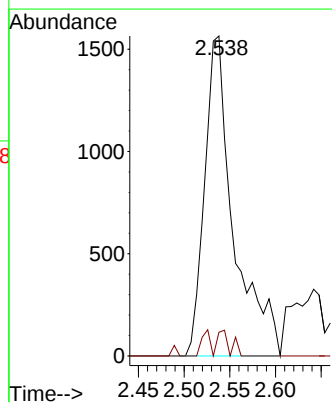
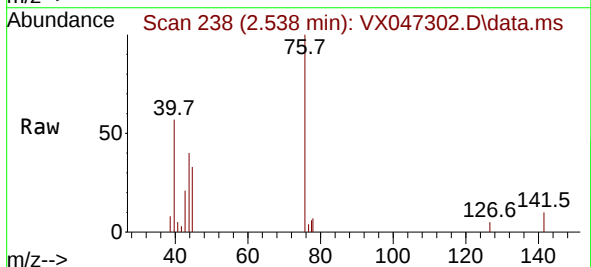
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

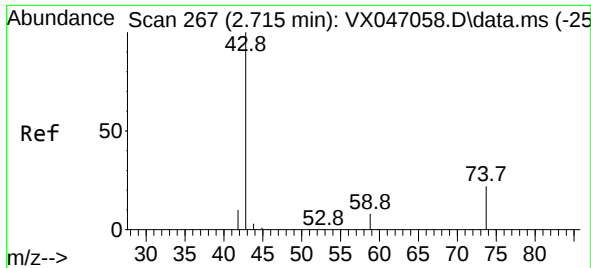
Tgt Ion: 43 Resp: 10777
Ion Ratio Lower Upper
43 100
58 28.7 24.0 36.0



#17
Carbon Disulfide
Concen: 0.726 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 76 Resp: 3453
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4

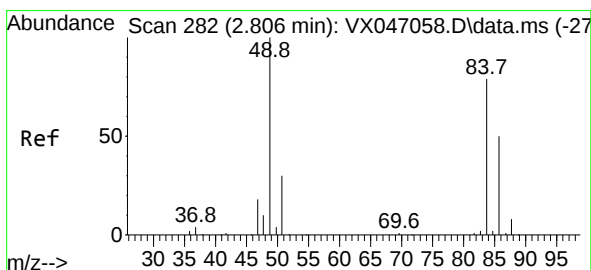
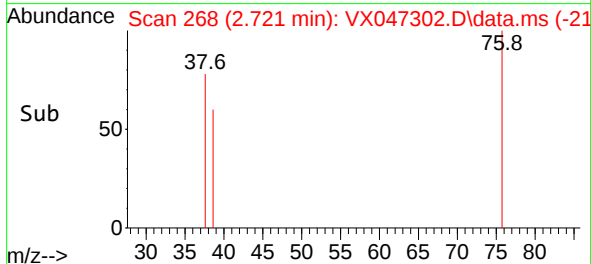
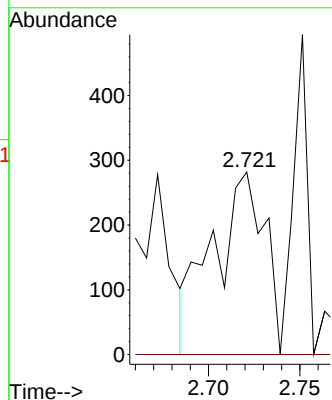
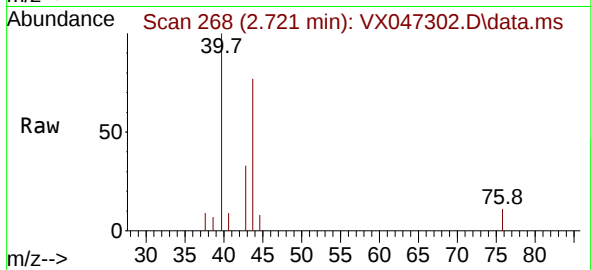




#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

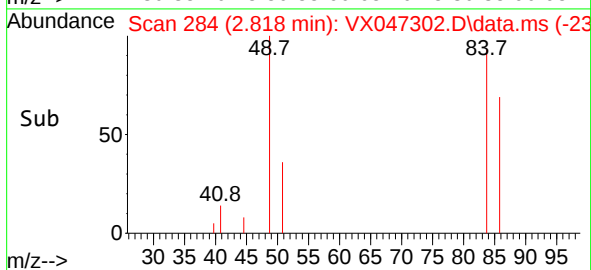
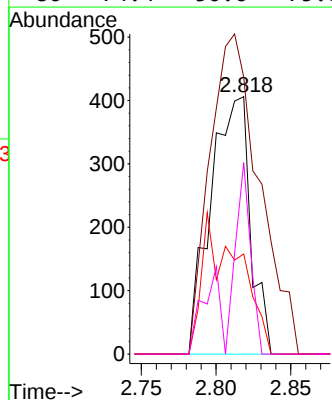
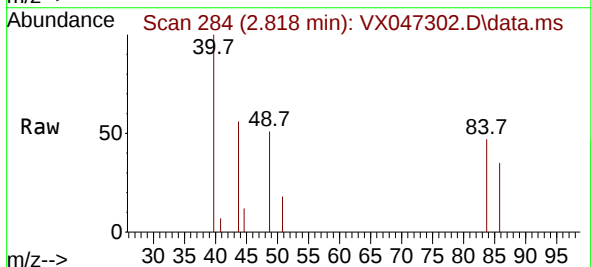
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

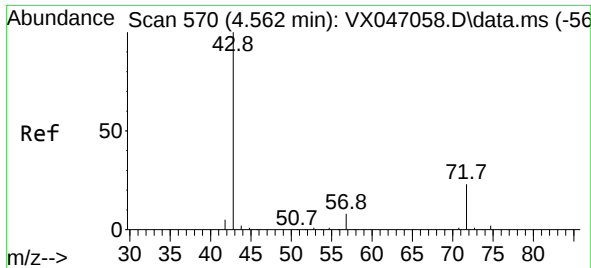
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 2.818 min Scan# 284
Delta R.T. 0.012 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 84 Resp: 750
Ion Ratio Lower Upper
84 100
49 107.6 101.6 152.4
51 38.9 30.3 45.5
86 74.4 50.6 75.8

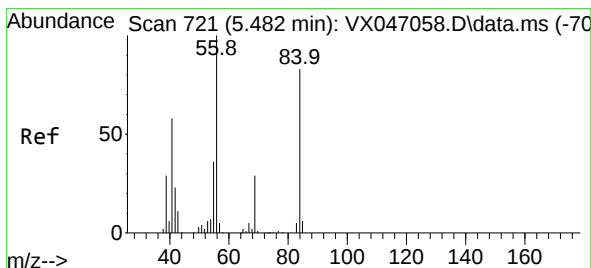
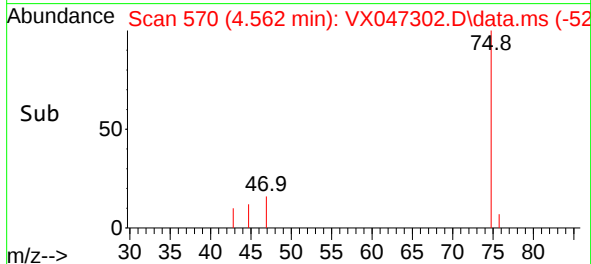
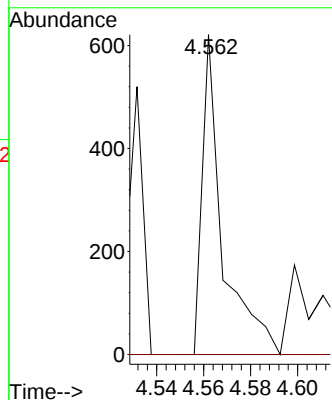
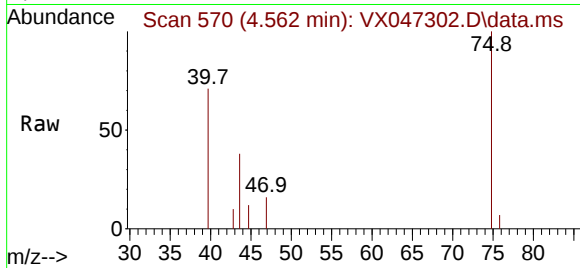




#25
2-Butanone
Concen: 0.391 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

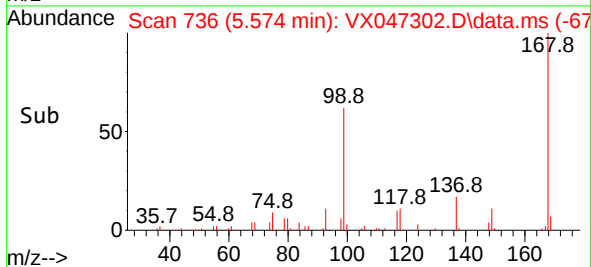
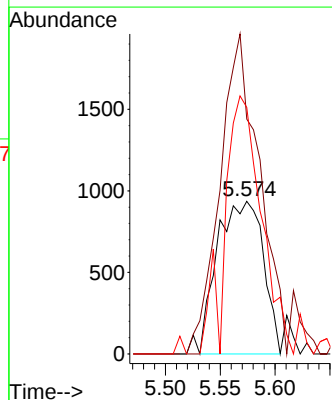
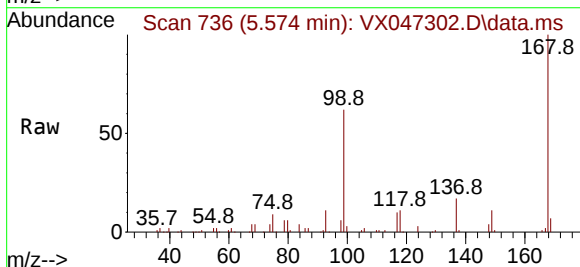
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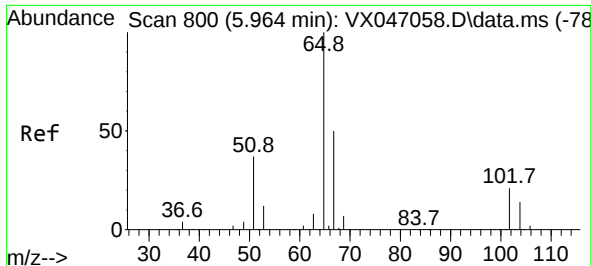
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#31
Cyclohexane
Concen: 0.907 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.092 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 56 Resp: 2763
Ion Ratio Lower Upper
56 100
69 153.8 23.3 34.9#
84 149.9 66.5 99.7#

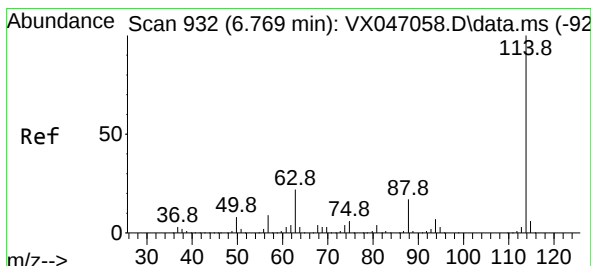
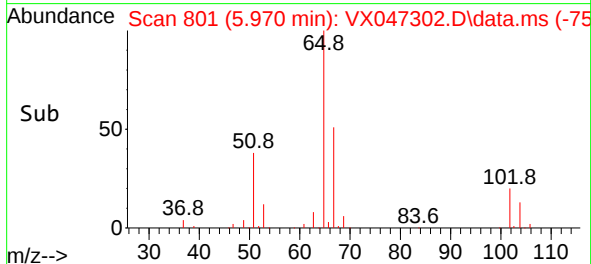
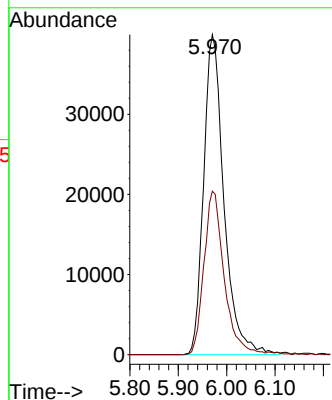
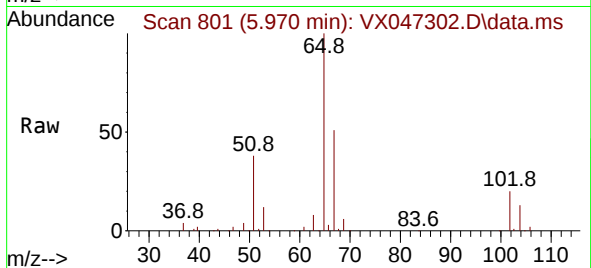




#33
 1,2-Dichloroethane-d4
 Concen: 71.502 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047302.D
 Acq: 12 Aug 2025 17:06

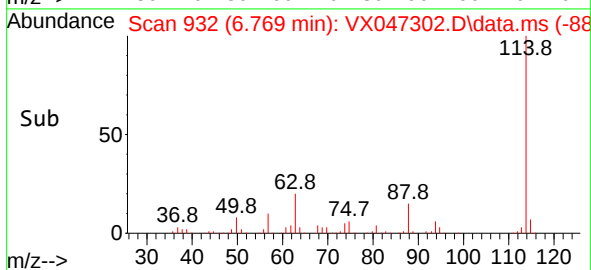
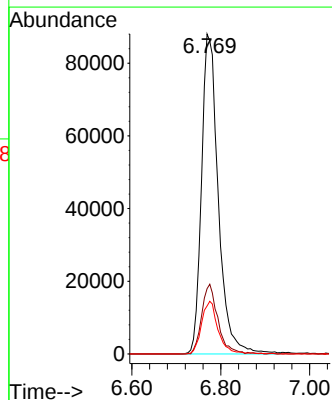
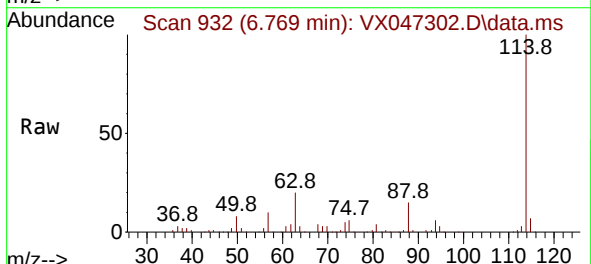
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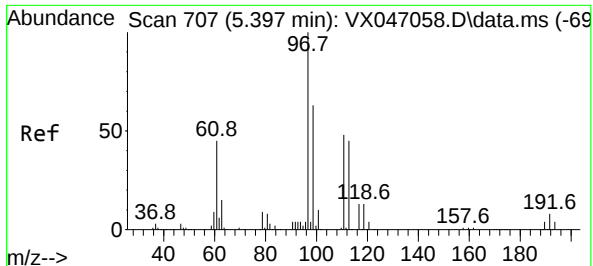
Tgt Ion: 65 Resp: 116537
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047302.D
 Acq: 12 Aug 2025 17:06

Tgt Ion: 114 Resp: 231793
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.2
 88 15.0 0.0 33.8

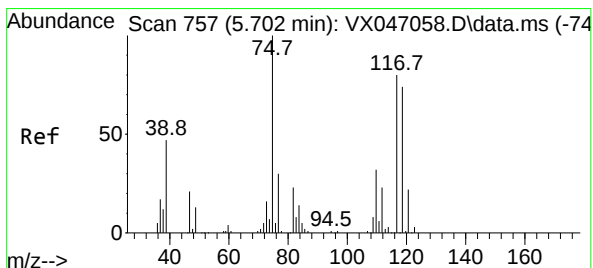
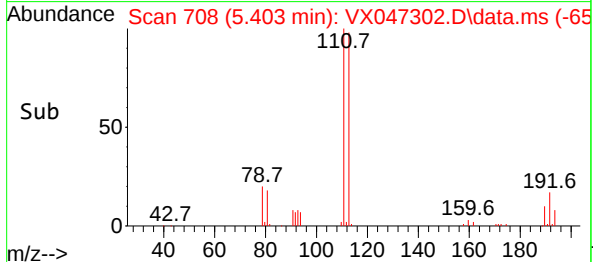
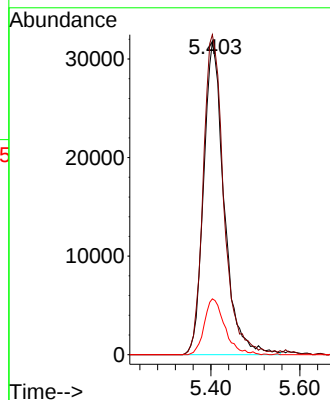
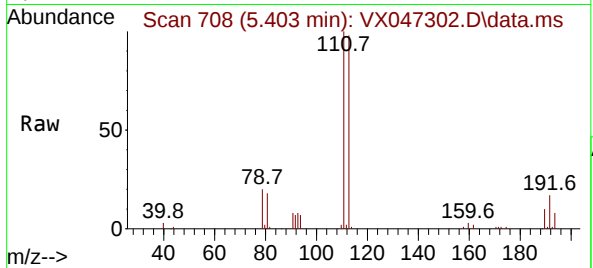




#35
Dibromofluoromethane
Concen: 71.249 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

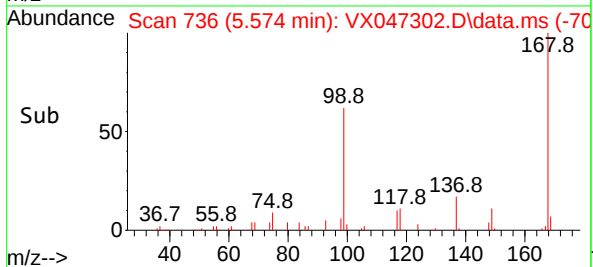
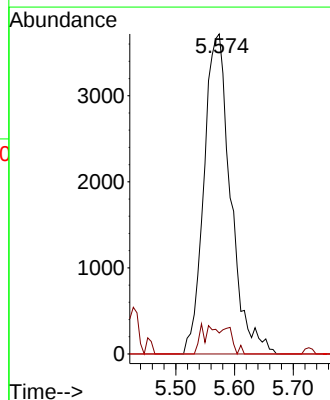
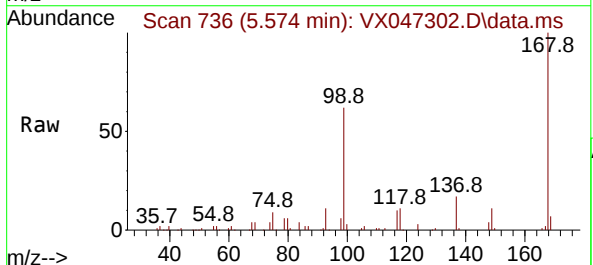
Instrument :
MSVOA_X
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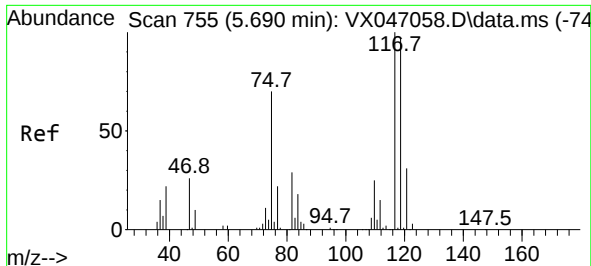
Tgt Ion:113 Resp: 101969
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 17.9 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.128 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

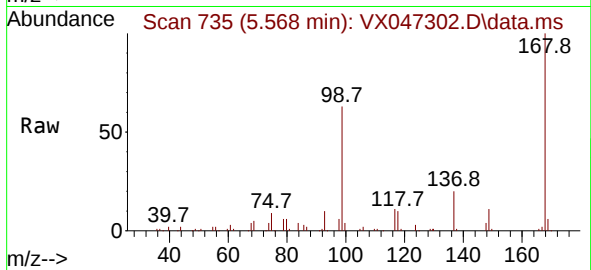
Tgt Ion: 75 Resp: 11733
Ion Ratio Lower Upper
75 100
110 2.0 17.2 51.5#
77 0.0 25.1 37.7#



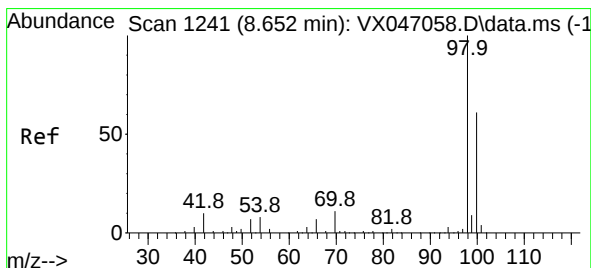
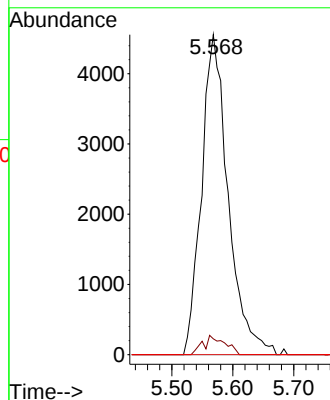
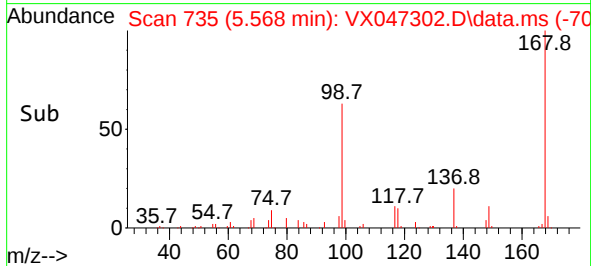


#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

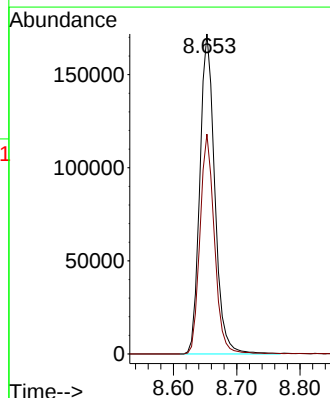
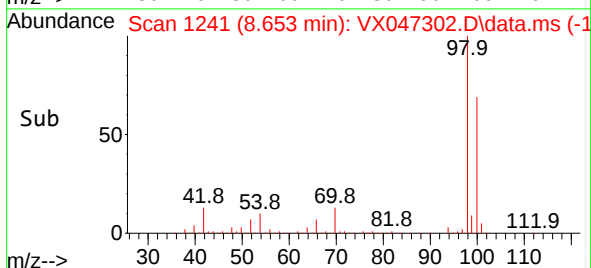
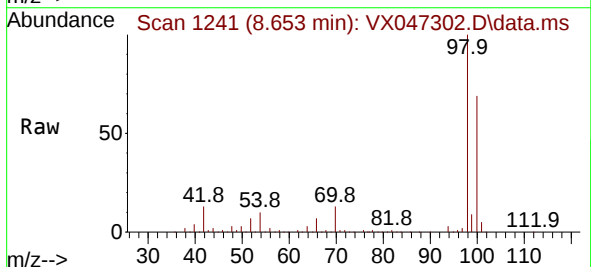


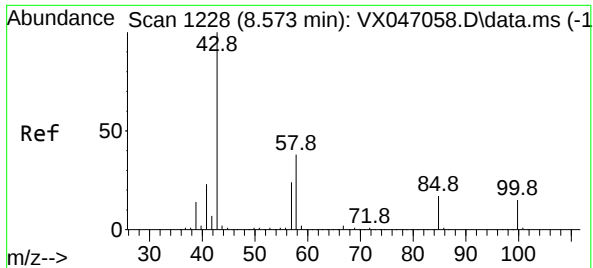
Tgt Ion:117 Resp: 13835
Ion Ratio Lower Upper
117 100
119 4.9 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 60.927 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 98 Resp: 282384
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

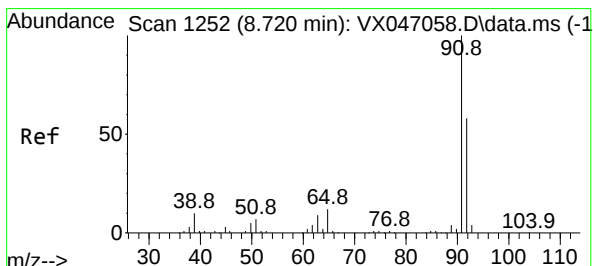
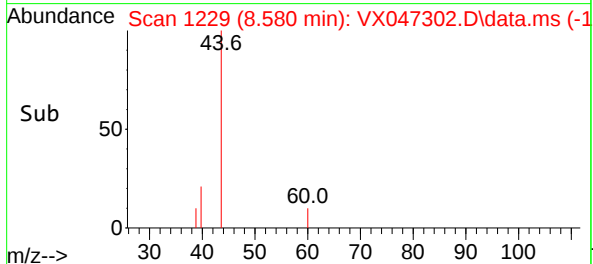
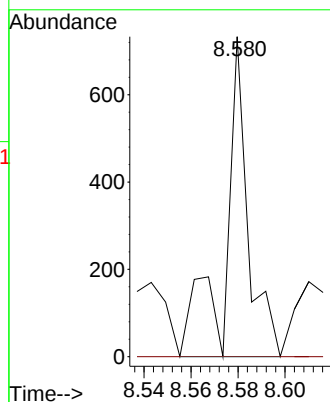
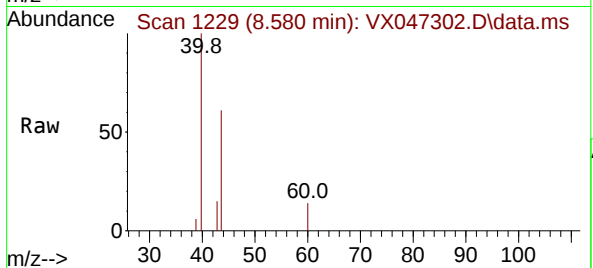




#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

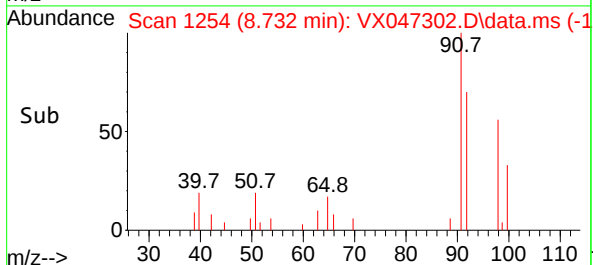
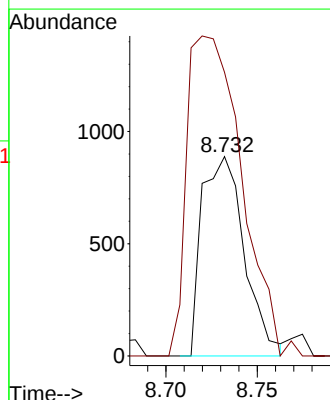
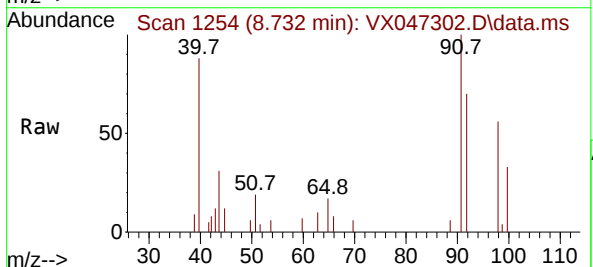
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

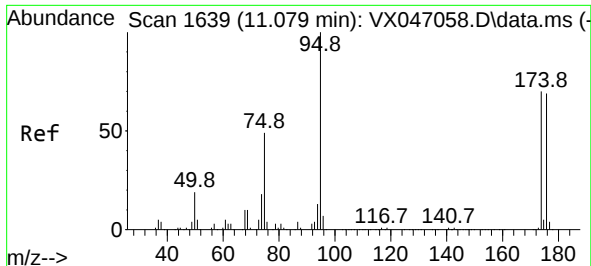
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 0.0 30.6 45.8#



#52
Toluene
Concen: 0.330 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.012 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 92 Resp: 1431
Ion Ratio Lower Upper
92 100
91 207.8 137.9 206.9#

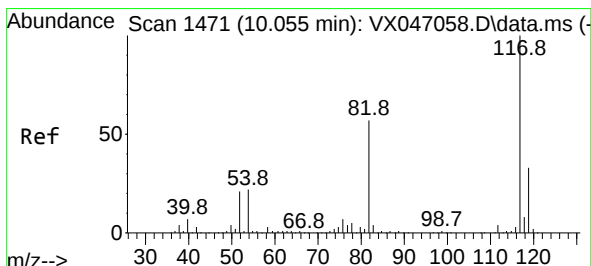
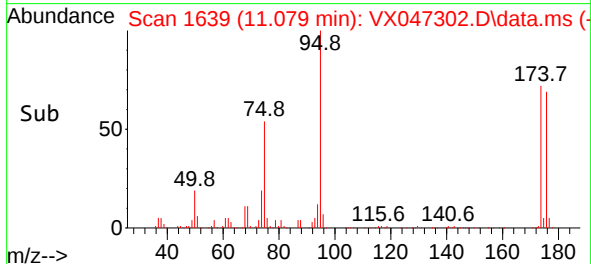
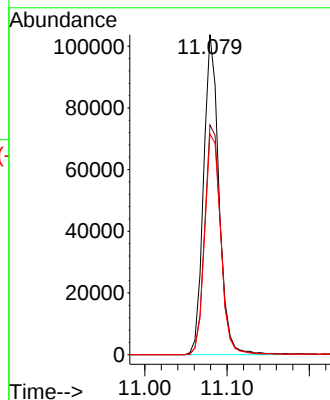
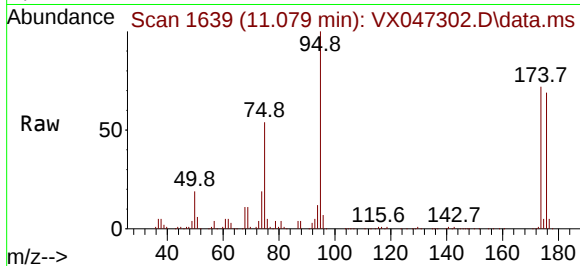




#62
4-Bromofluorobenzene
Concen: 67.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

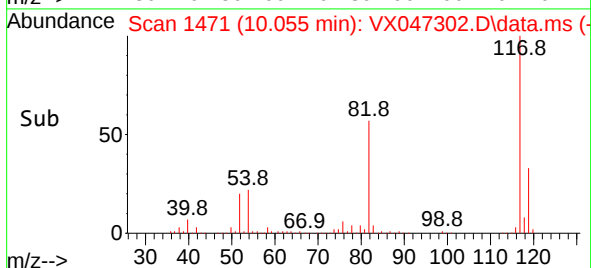
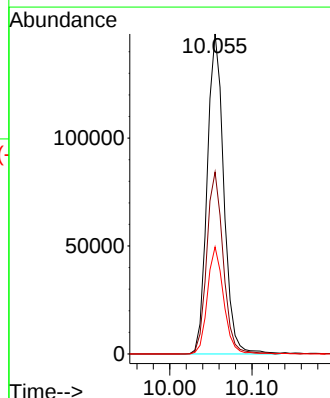
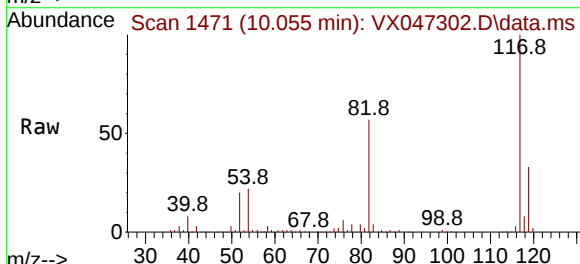
Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

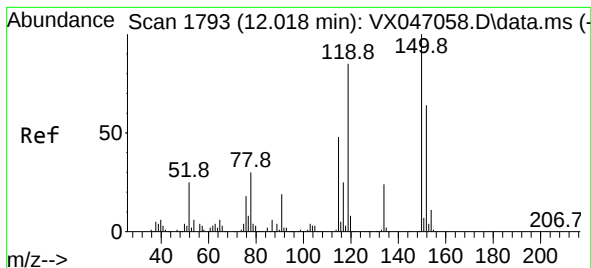
Tgt Ion: 95 Resp: 134819
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.6
176 72.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 117 Resp: 208120
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 33.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047302.D

Acq: 12 Aug 2025 17:06

Instrument :

MSVOA_X

ClientSampleId :

TW-BP-S

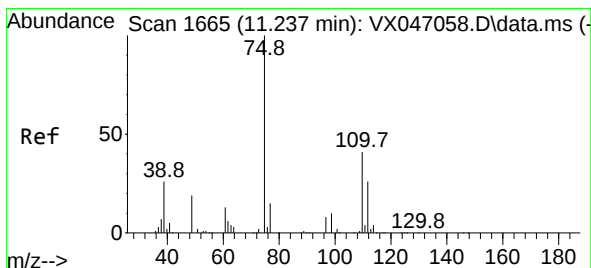
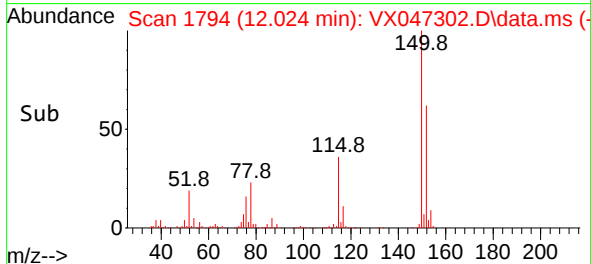
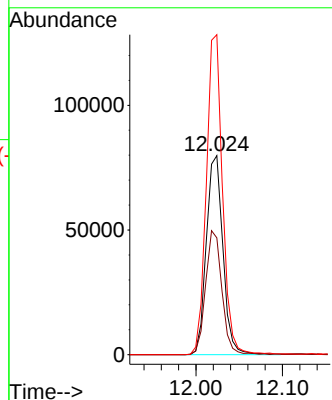
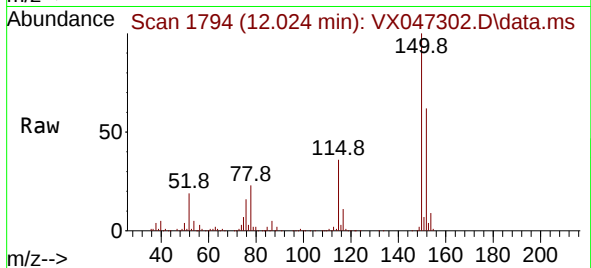
Tgt Ion:152 Resp: 106606

Ion Ratio Lower Upper

152 100

115 61.0 45.6 136.7

150 156.7 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 35.920 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047302.D

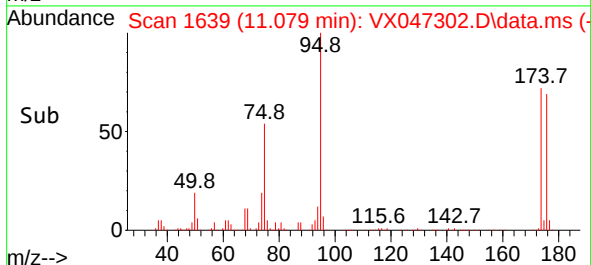
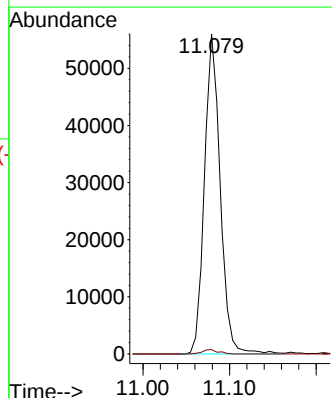
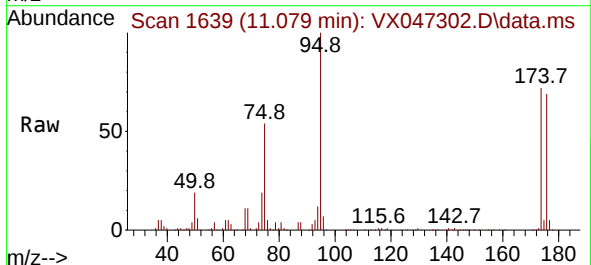
Acq: 12 Aug 2025 17:06

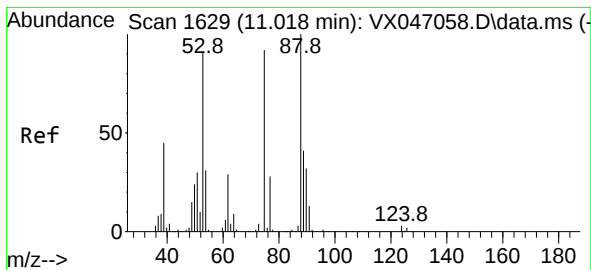
Tgt Ion: 75 Resp: 70879

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.545 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047302.D
 Acq: 12 Aug 2025 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-BP-S

Tgt Ion: 75 Resp: 70879
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

