

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047324.D
 Acq On : 13 Aug 2025 15:51
 Operator : JC/MD
 Sample : Q2815-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-705R-S

Quant Time: Aug 14 03:30:45 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)

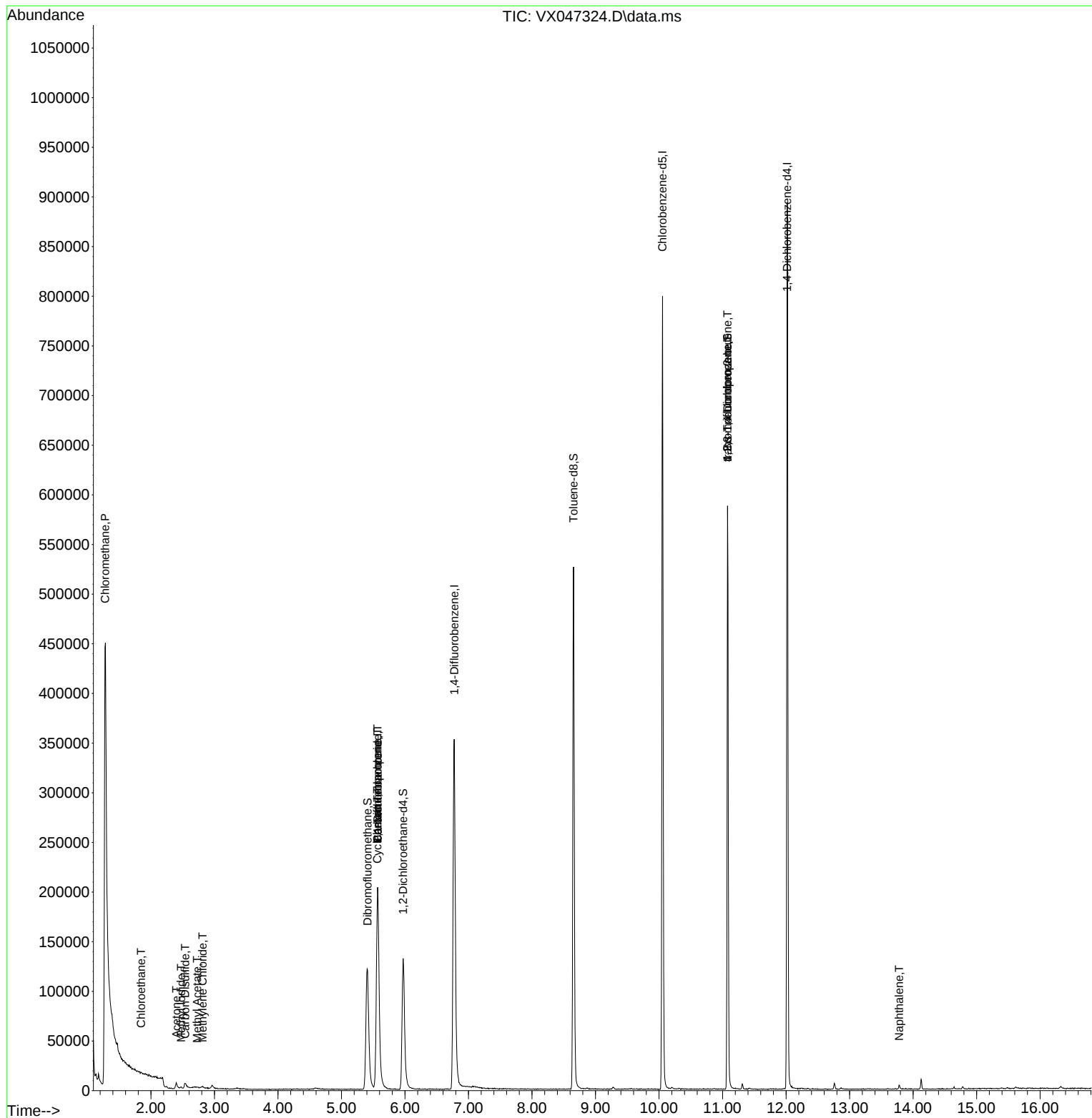
Internal Standards						
1) Pentafluorobenzene	5.568	168	200316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	376893	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	140261	56.210	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.420%			
35) Dibromofluoromethane	5.410	113	119163	51.208	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.653	98	316357	41.979	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 83.960%#			
62) 4-Bromofluorobenzene	11.079	95	156812	48.285	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.560%			
Target Compounds						Qvalue
3) Chloromethane	1.276	50	21127	8.027	ug/l #	43
6) Chloroethane	1.843	64	2843	1.530	ug/l #	66
10) Methyl Iodide	2.477	142	2082	0.804	ug/l #	83
11) Tert butyl alcohol	2.959	59	1480	Below Cal	#	78
16) Acetone	2.398	43	8558	8.561	ug/l	96
17) Carbon Disulfide	2.538	76	9291	1.276	ug/l #	76
18) Methyl Acetate	2.727	43	594	0.224	ug/l #	54
20) Methylene Chloride	2.813	84	767	0.279	ug/l #	79
31) Cyclohexane	5.562	56	4502	0.965	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	16760	4.225	ug/l #	46
38) Carbon Tetrachloride	5.568	117	21087	4.981	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	83616	25.416	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	83616	65.481	ug/l #	8
95) Naphthalene	13.780	128	3498	0.296	ug/l #	87

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

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Quant Time: Aug 14 03:30:45 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

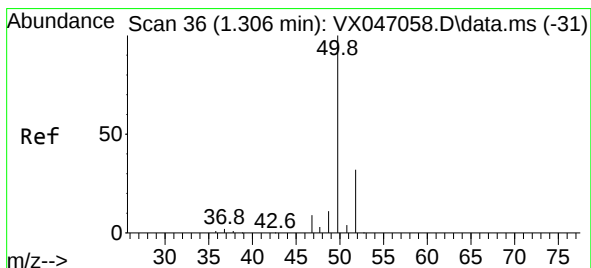
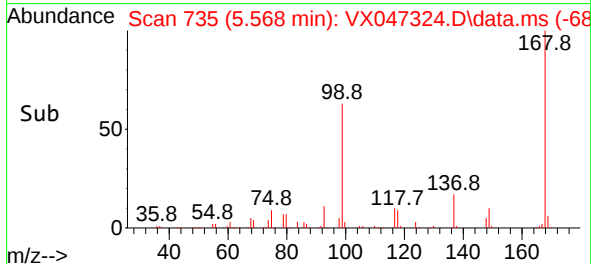
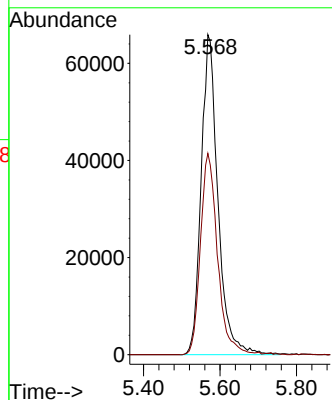
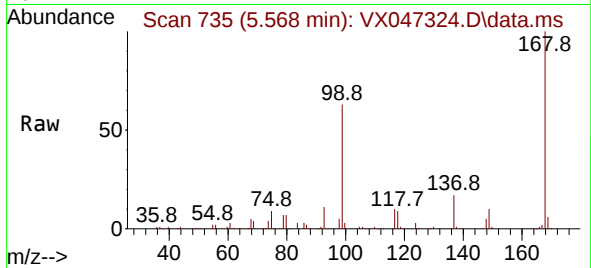




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

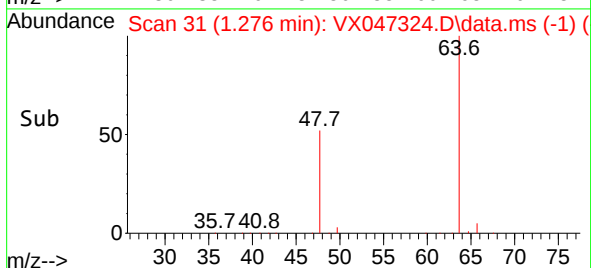
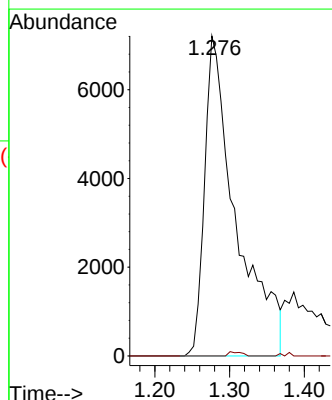
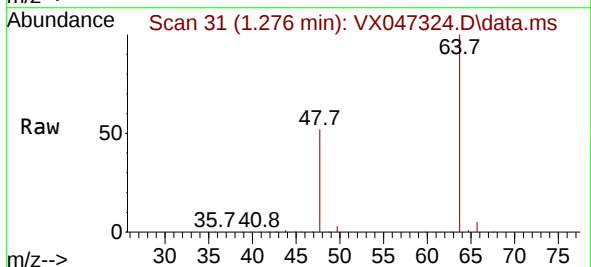
Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

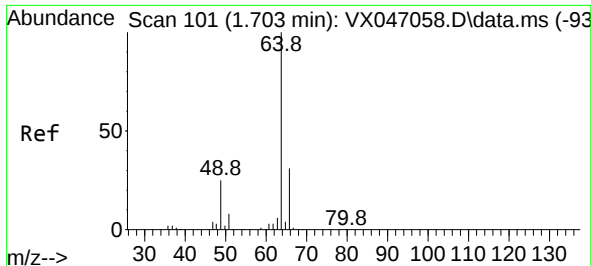
Tgt Ion:168 Resp: 200316
Ion Ratio Lower Upper
168 100
99 62.9 48.0 72.0



#3
Chloromethane
Concen: 8.027 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.030 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion: 50 Resp: 21127
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

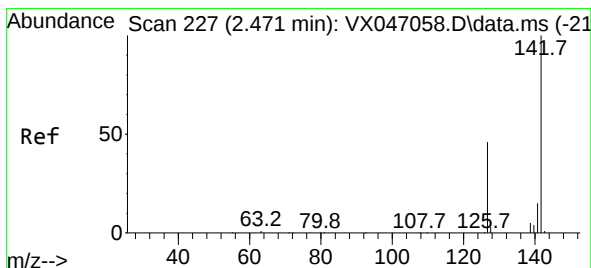
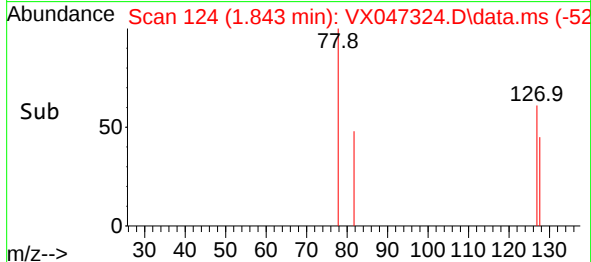
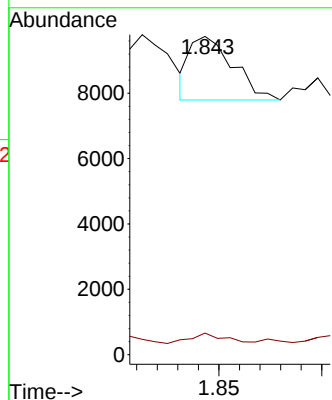
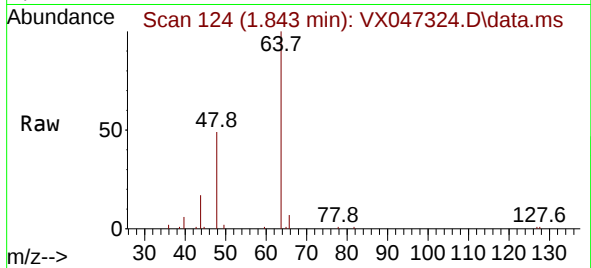




#6
Chloroethane
Concen: 1.530 ug/l
RT: 1.843 min Scan# 11
Delta R.T. 0.141 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

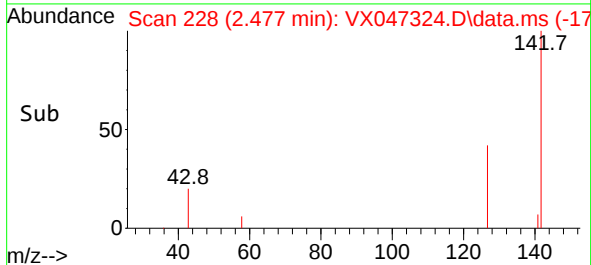
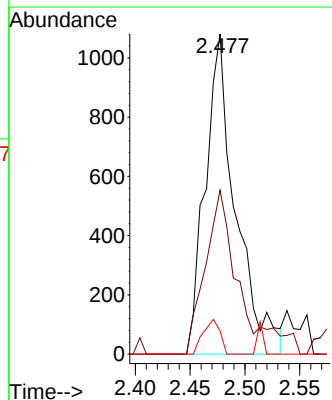
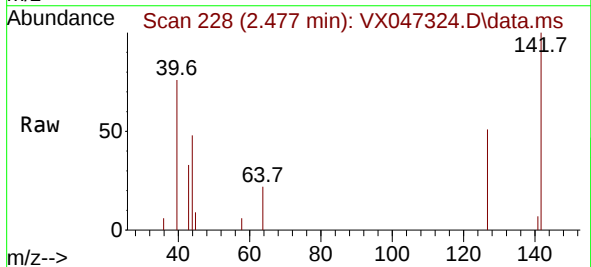
Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

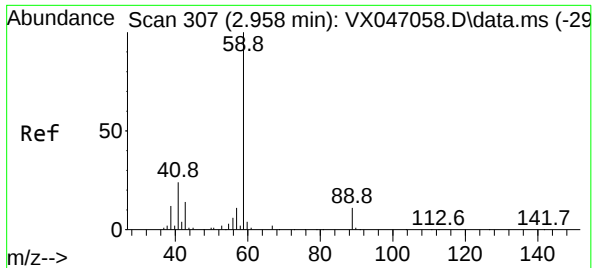
Tgt Ion: 64 Resp: 2843
Ion Ratio Lower Upper
64 100
66 12.7 25.0 37.6#



#10
Methyl Iodide
Concen: 0.804 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.007 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion:142 Resp: 2082
Ion Ratio Lower Upper
142 100
127 56.9 36.6 54.8#
141 6.0 10.9 16.3#

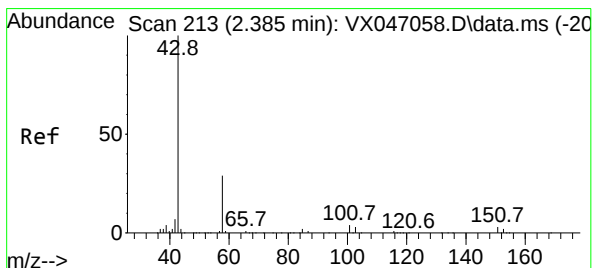
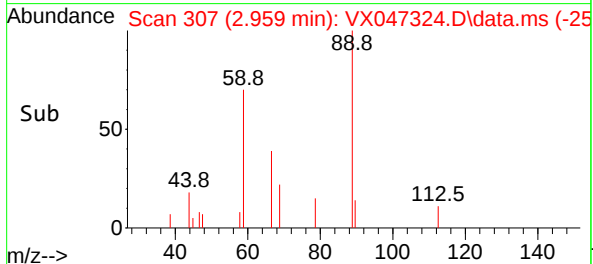
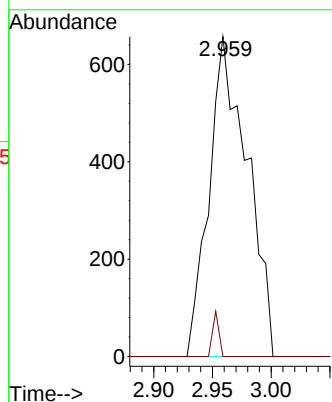
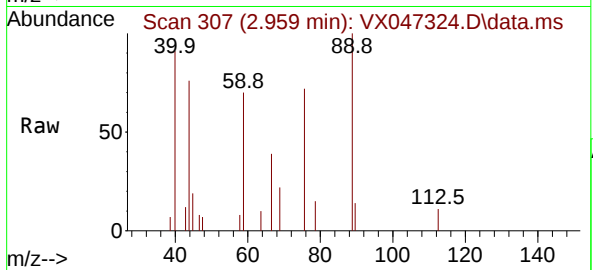




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

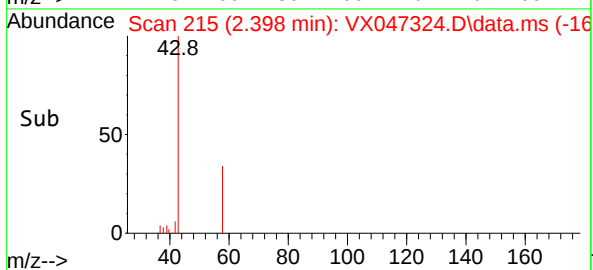
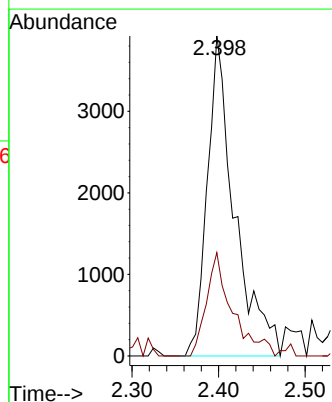
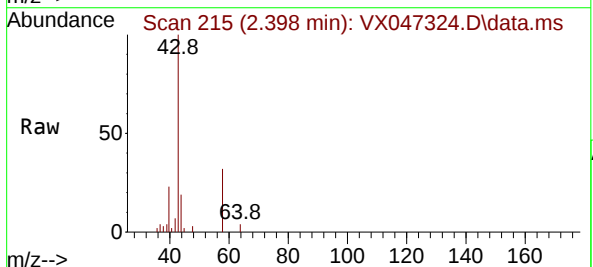
Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

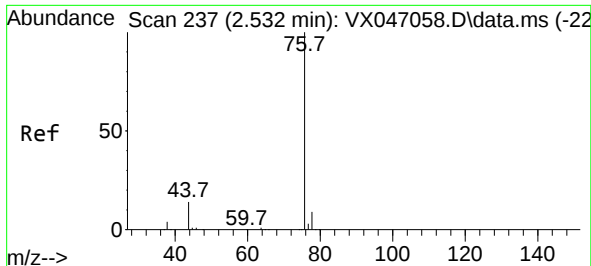
Tgt Ion: 59 Resp: 1480
Ion Ratio Lower Upper
59 100
57 2.3 8.5 12.7#



#16
Acetone
Concen: 8.561 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion: 43 Resp: 8558
Ion Ratio Lower Upper
43 100
58 32.3 24.0 36.0

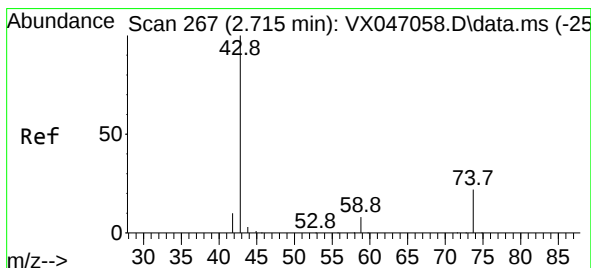
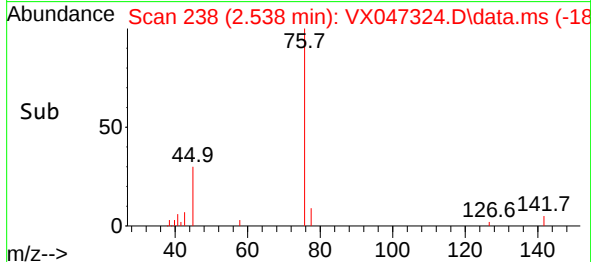
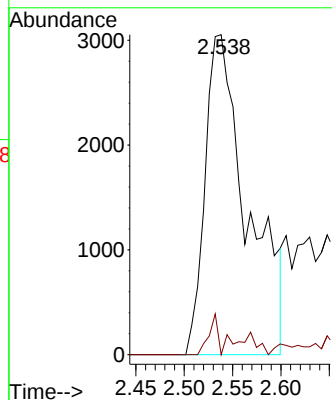
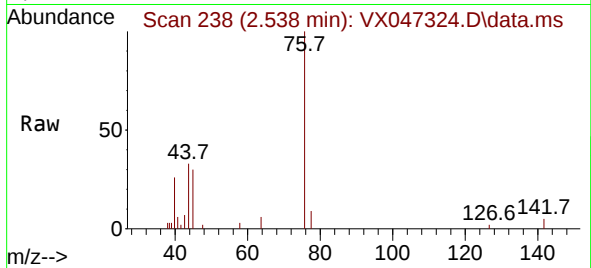




#17
Carbon Disulfide
Concen: 1.276 ug/l
RT: 2.538 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

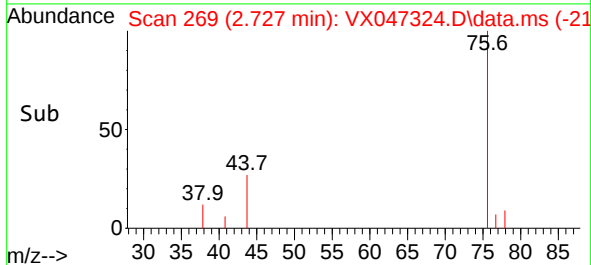
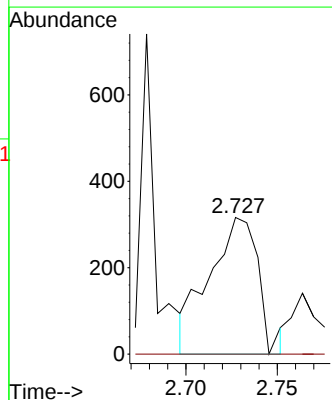
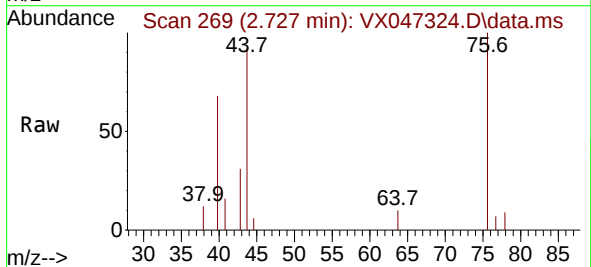
Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

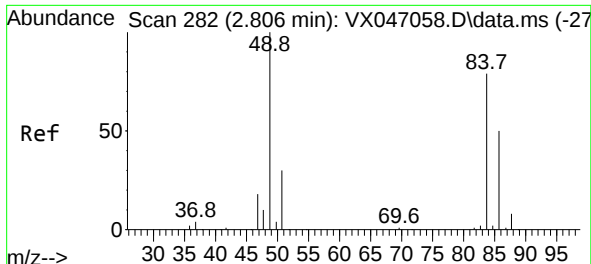
Tgt Ion: 76 Resp: 9291
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.013 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

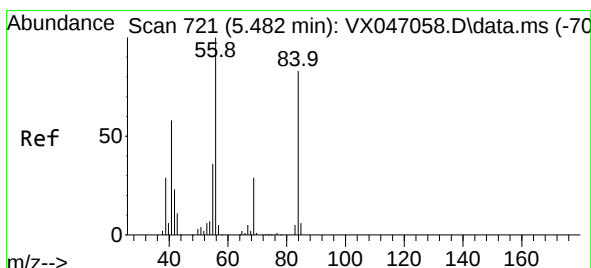
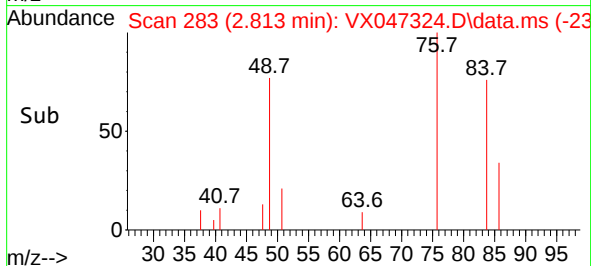
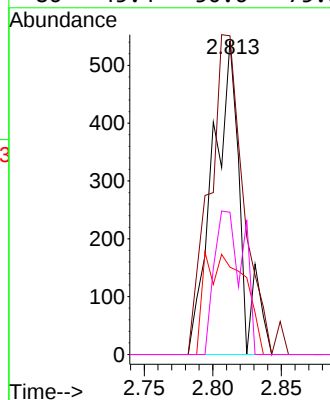
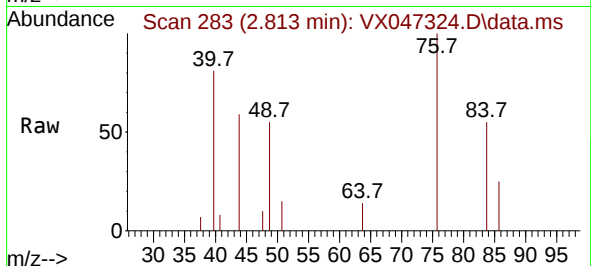




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.813 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

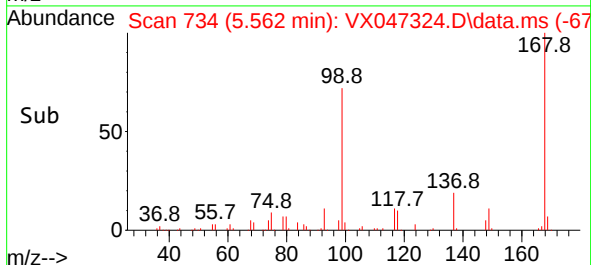
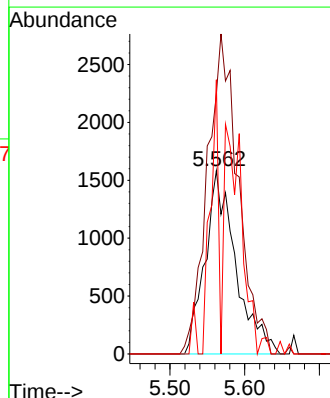
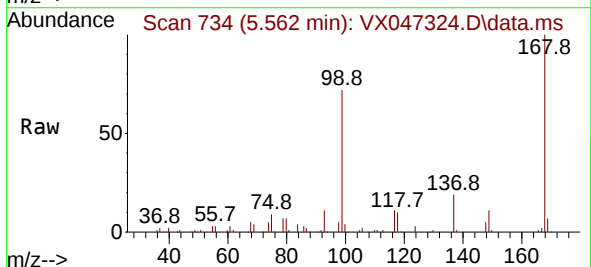
Instrument :
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ClientSampleId :
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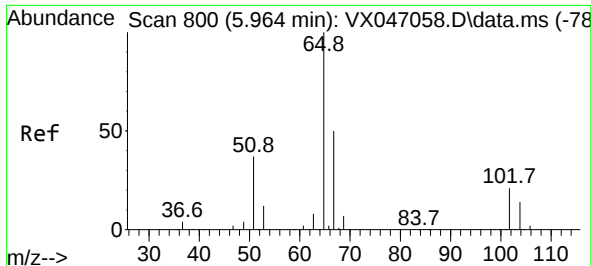
Tgt Ion:	84	Resp:	767
Ion	Ratio	Lower	Upper
84	100		
49	101.7	101.6	152.4
51	27.9	30.3	45.5#
86	45.4	50.6	75.8#



#31
Cyclohexane
Concen: 0.965 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.080 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion:	56	Resp:	4502
Ion	Ratio	Lower	Upper
56	100		
69	141.7	23.3	34.9#
84	149.7	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 56.210 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.007 min

Lab File: VX047324.D

Acq: 13 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

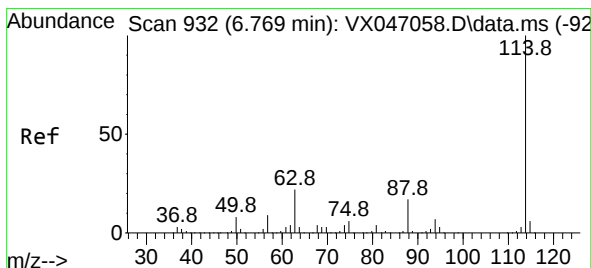
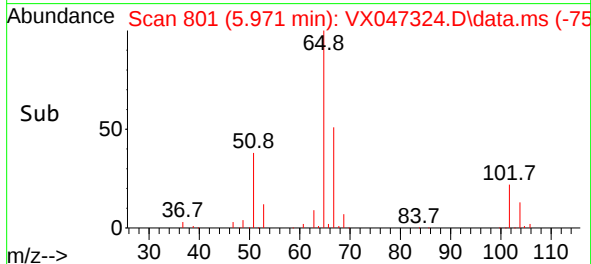
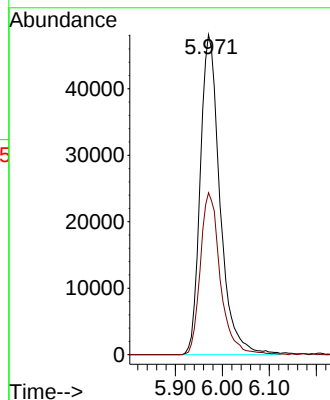
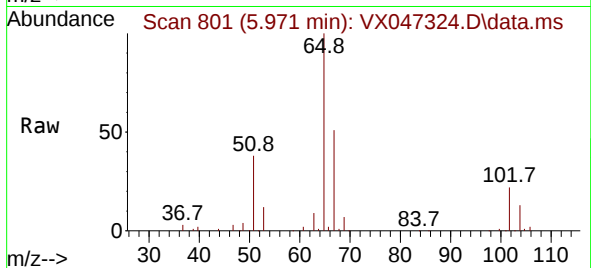
TW-705R-S

Tgt Ion: 65 Resp: 140261

Ion Ratio Lower Upper

65 100

67 51.2 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: VX047324.D

Acq: 13 Aug 2025 15:51

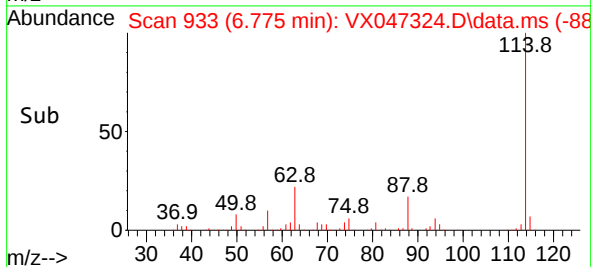
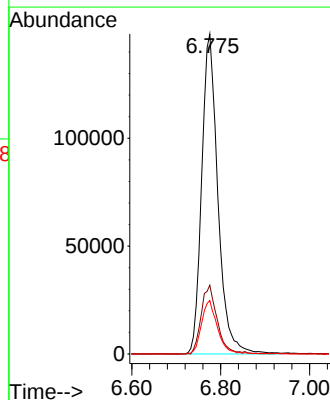
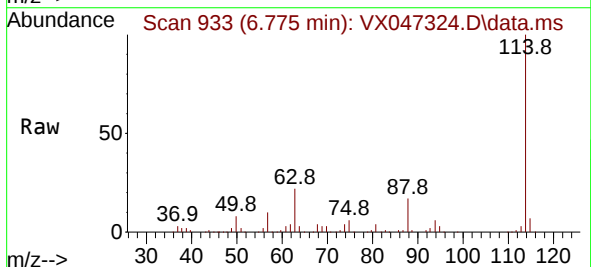
Tgt Ion: 114 Resp: 376893

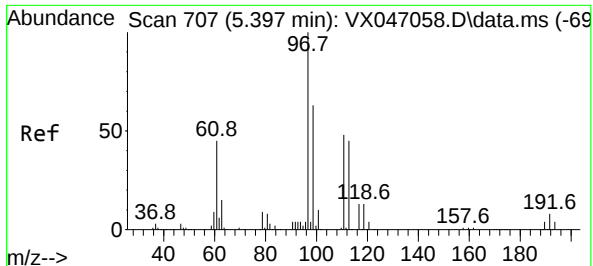
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 5.410 min Scan# 709

Delta R.T. 0.013 min

Lab File: VX047324.D

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TW-705R-S

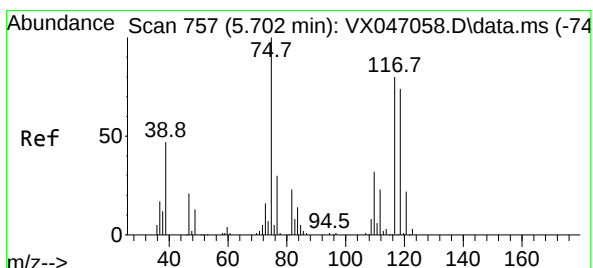
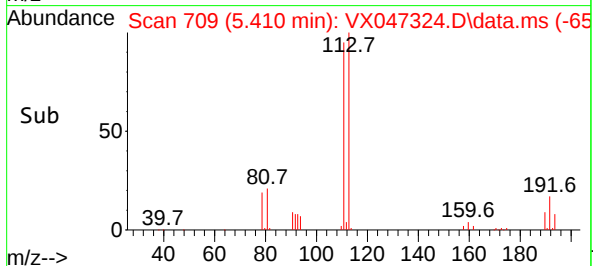
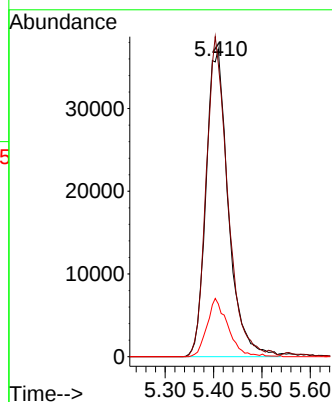
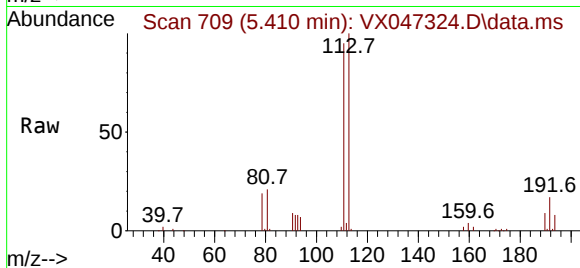
Tgt Ion:113 Resp: 119163

Ion Ratio Lower Upper

113 100

111 100.1 82.6 124.0

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.225 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047324.D

Acq: 13 Aug 2025 15:51

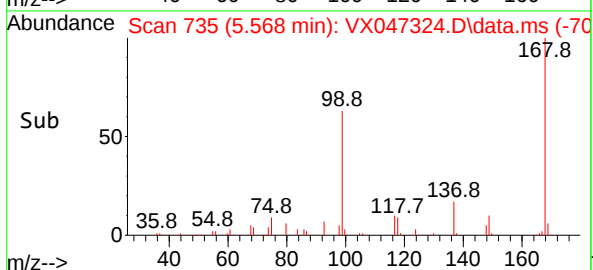
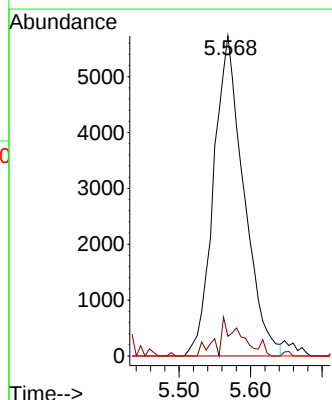
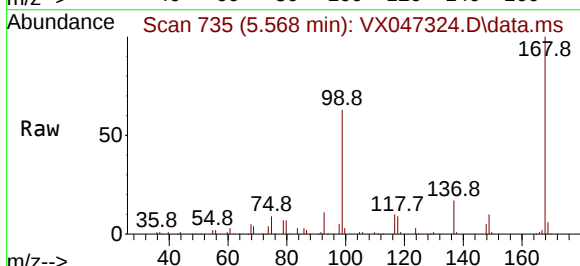
Tgt Ion: 75 Resp: 16760

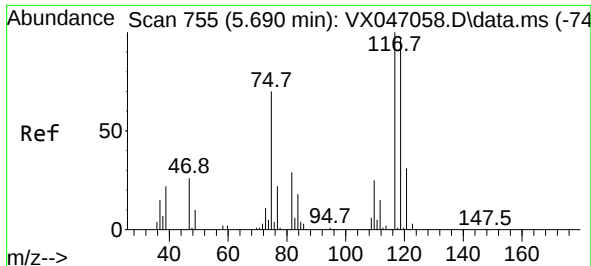
Ion Ratio Lower Upper

75 100

110 5.1 17.2 51.5#

77 0.0 25.1 37.7#

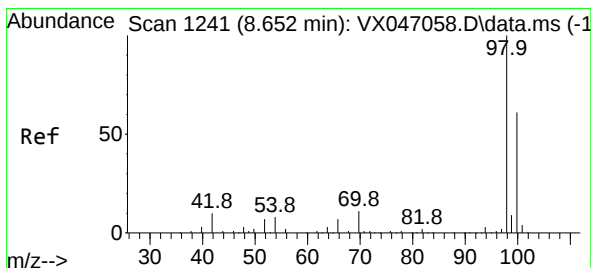
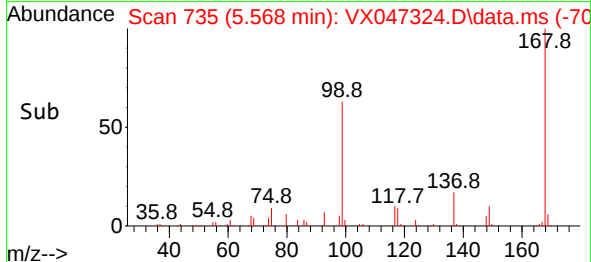
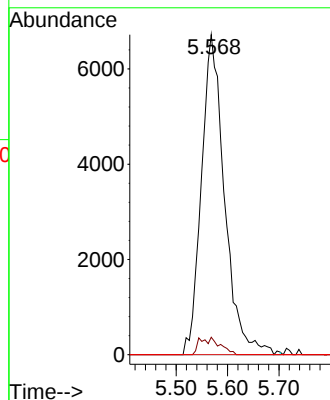
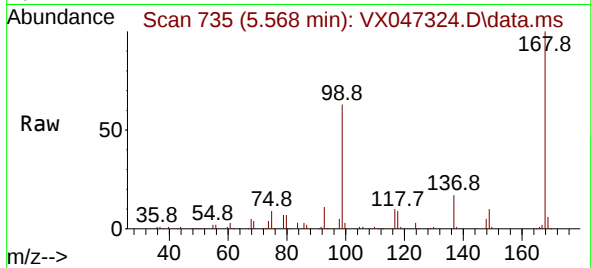




#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

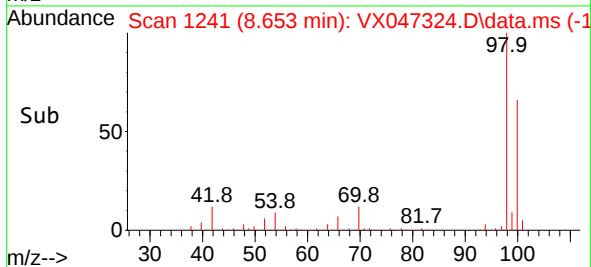
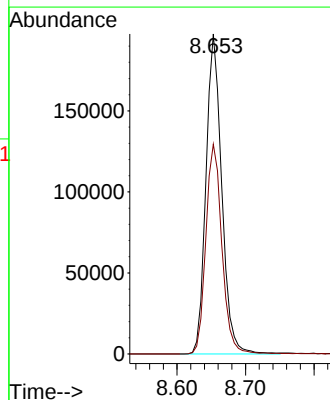
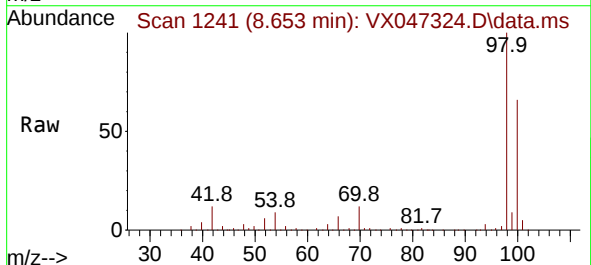
Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

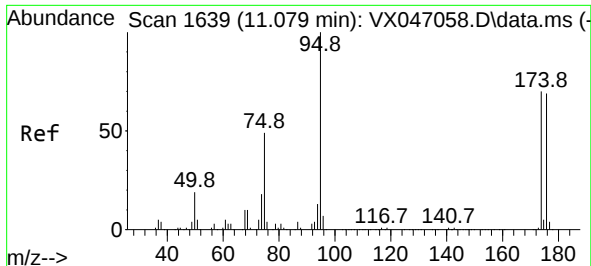
Tgt Ion:117 Resp: 21087
Ion Ratio Lower Upper
117 100
119 5.5 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 41.979 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion: 98 Resp: 316357
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 48.285 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047324.D

Acq: 13 Aug 2025 15:51

Instrument :

MSVOA_X

ClientSampleId :

TW-705R-S

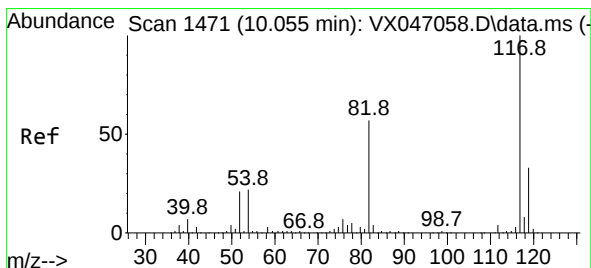
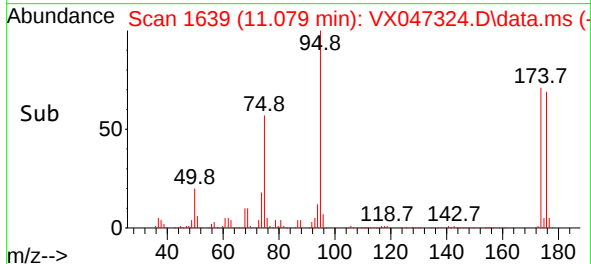
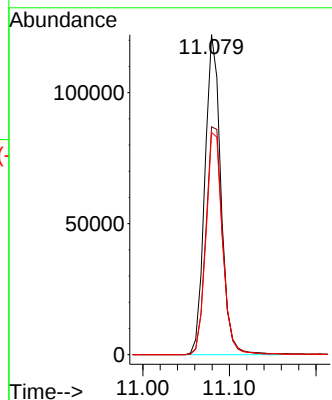
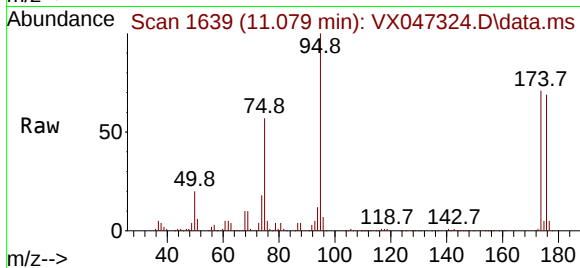
Tgt Ion: 95 Resp: 156812

Ion Ratio Lower Upper

95 100

174 74.1 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: VX047324.D

Acq: 13 Aug 2025 15:51

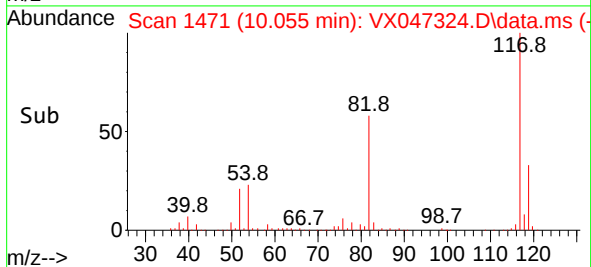
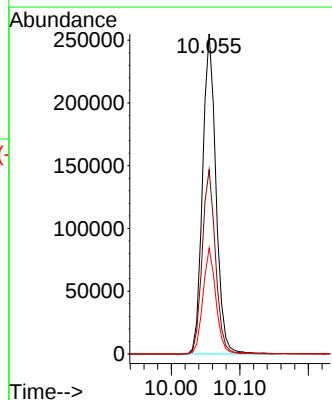
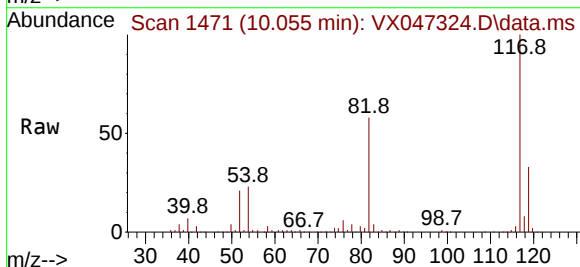
Tgt Ion: 117 Resp: 347624

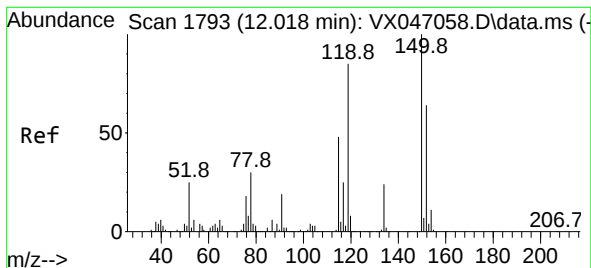
Ion Ratio Lower Upper

117 100

82 57.6 45.4 68.2

119 33.1 26.1 39.1

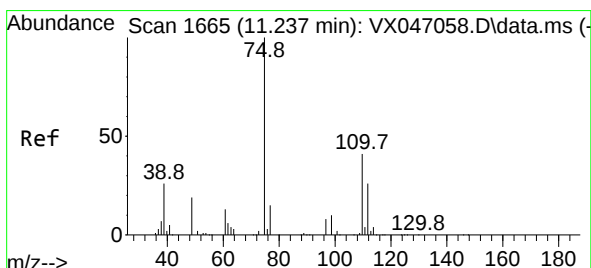
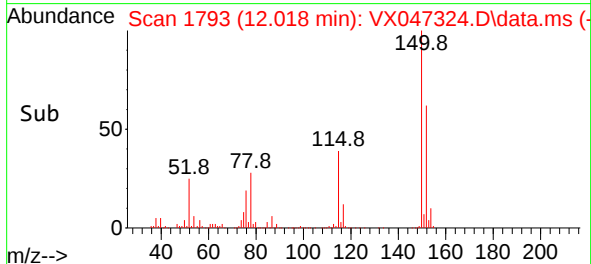
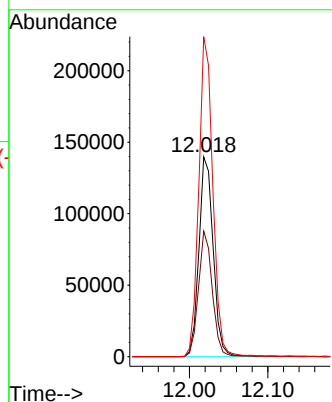
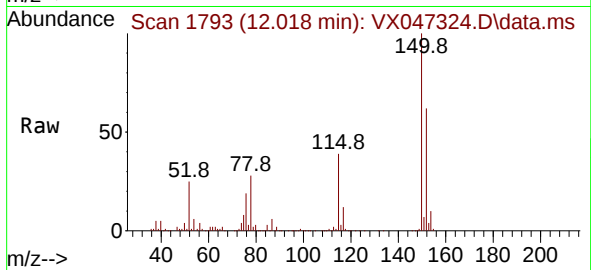




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047324.D
 Acq: 13 Aug 2025 15:51

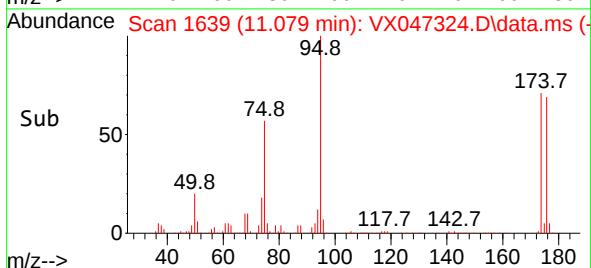
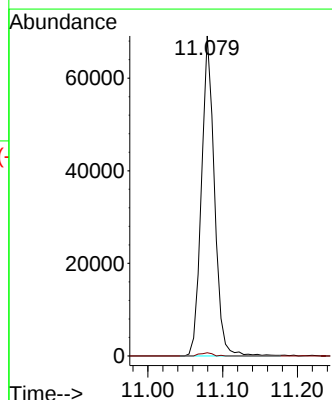
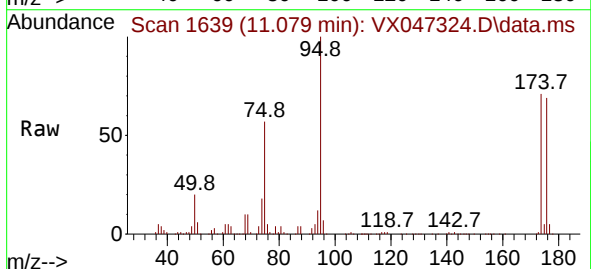
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-705R-S

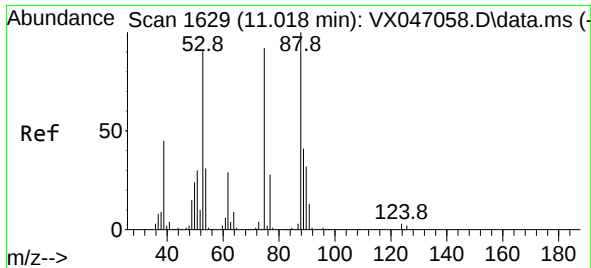
Tgt Ion:152 Resp: 177744
 Ion Ratio Lower Upper
 152 100
 115 61.1 45.6 136.7
 150 157.7 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 25.416 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047324.D
 Acq: 13 Aug 2025 15:51

Tgt Ion: 75 Resp: 83616
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.6 65.0#

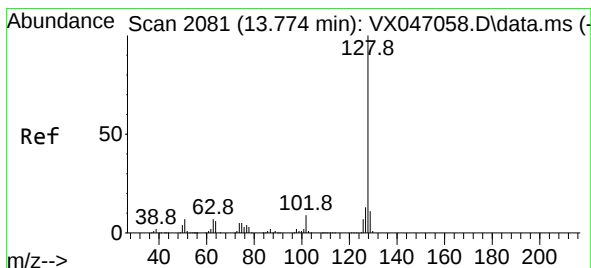
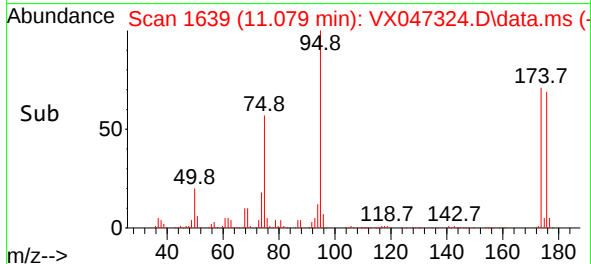
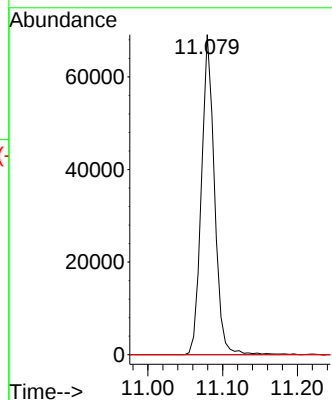
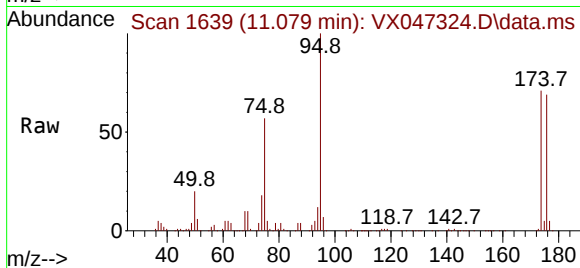




#81
trans-1,4-Dichloro-2-butene
Concen: 65.481 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Instrument :
MSVOA_X
ClientSampleId :
TW-705R-S

Tgt Ion: 75 Resp: 83616
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 0.296 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.007 min
Lab File: VX047324.D
Acq: 13 Aug 2025 15:51

Tgt Ion: 128 Resp: 3498
Ion Ratio Lower Upper
128 100
127 7.2 10.1 15.1#
129 6.2 8.6 13.0#

