

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047319.D
 Acq On : 13 Aug 2025 14:02
 Operator : JC/MD
 Sample : Q2814-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-S

Quant Time: Aug 14 03:28:48 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)

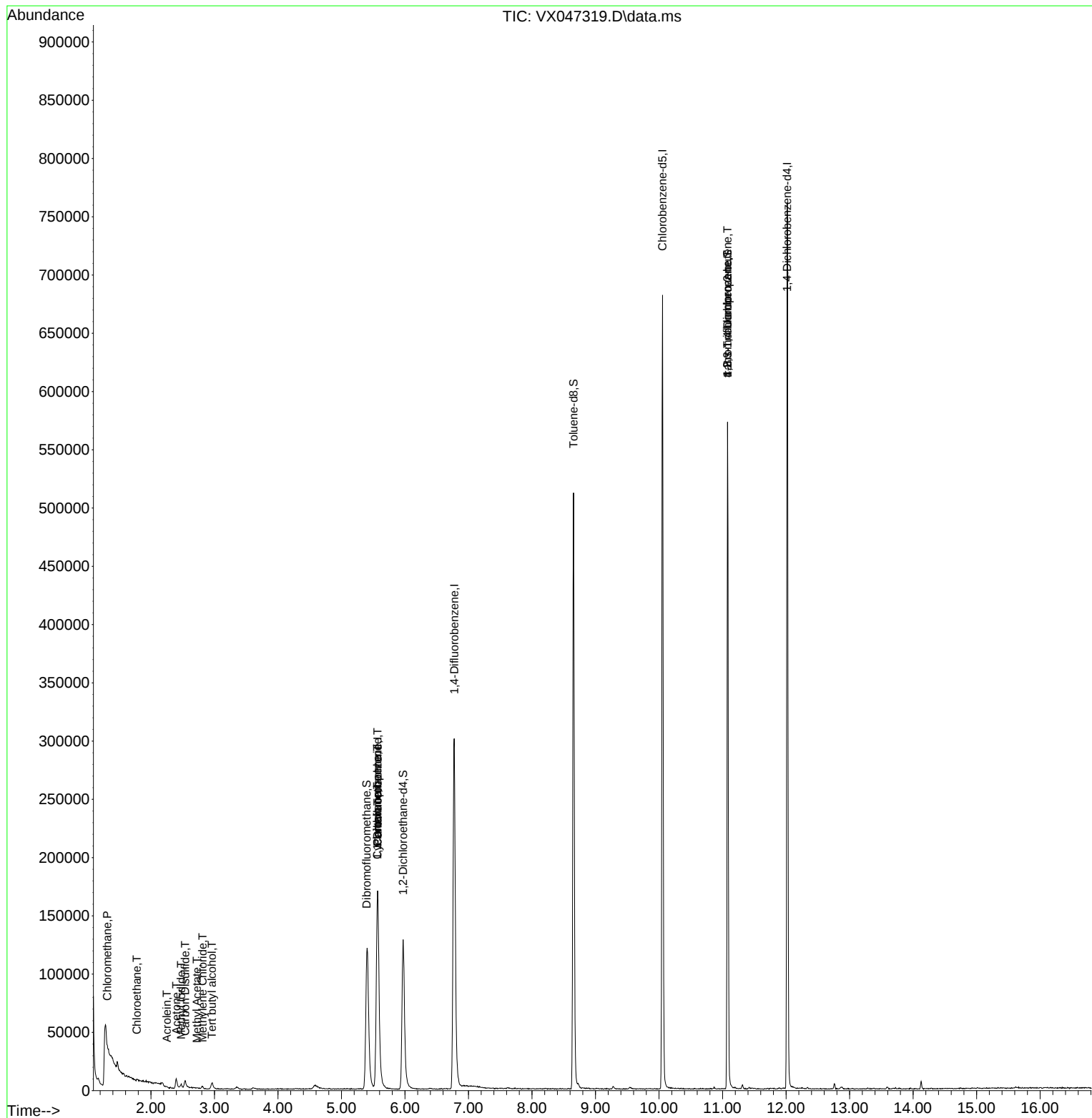
Internal Standards						
1) Pentafluorobenzene	5.568	168	171554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	324346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	136854	64.040	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 128.080%#	
35) Dibromofluoromethane	5.397	113	116865	58.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 116.720%	
50) Toluene-d8	8.653	98	304188	46.903	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.800%	
62) 4-Bromofluorobenzene	11.079	95	153337	54.864	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1230	0.546	ug/l #	83
6) Chloroethane	1.776	64	416	0.261	ug/l #	71
10) Methyl Iodide	2.477	142	4068	1.834	ug/l #	96
11) Tert butyl alcohol	2.959	59	2720	0.628	ug/l #	77
13) Acrolein	2.252	56	127	0.276	ug/l #	1
16) Acetone	2.398	43	12225	14.280	ug/l #	87
17) Carbon Disulfide	2.538	76	8908	1.428	ug/l #	88
18) Methyl Acetate	2.721	43	580	0.255	ug/l #	67
20) Methylene Chloride	2.812	84	866	0.368	ug/l #	73
31) Cyclohexane	5.562	56	3831	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	14239	4.171	ug/l #	51
38) Carbon Tetrachloride	5.568	117	17446	4.788	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	80100	28.143	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	80100	72.507	ug/l #	8

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

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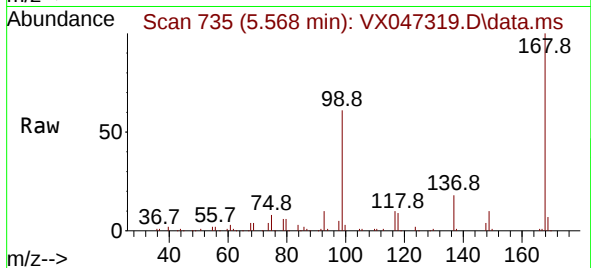
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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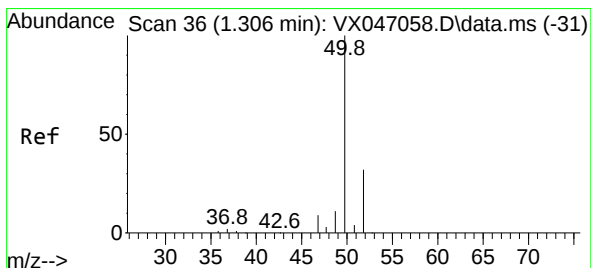
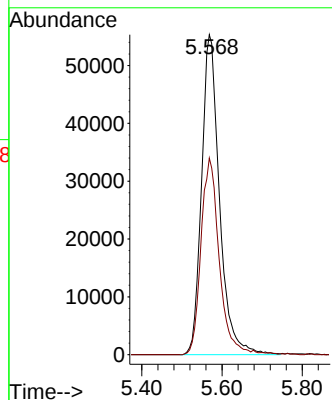
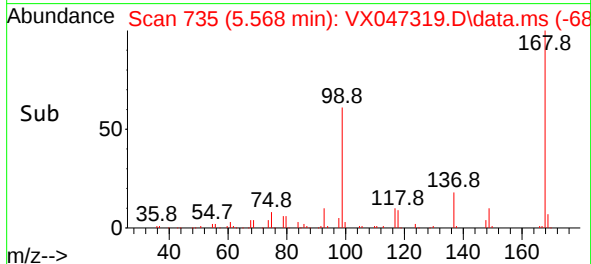


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

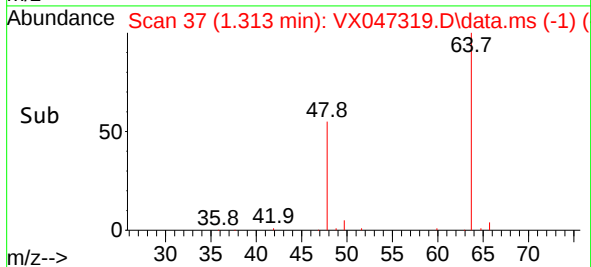
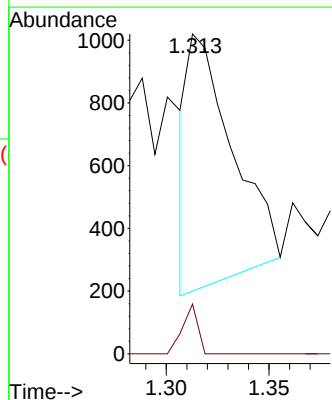
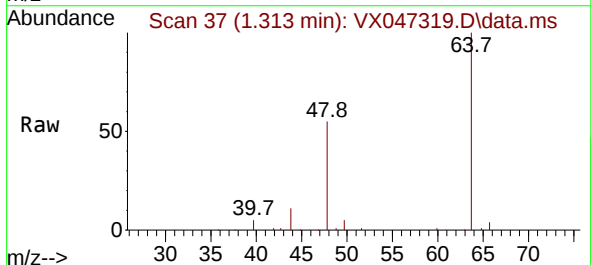


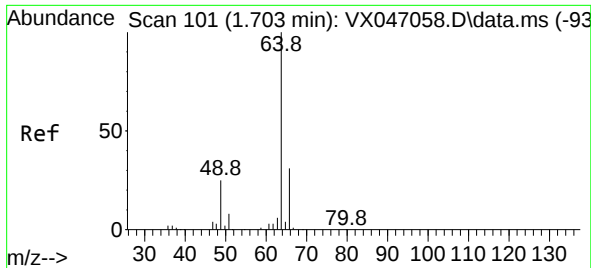
Tgt Ion:168 Resp: 171554
Ion Ratio Lower Upper
168 100
99 61.4 48.0 72.0



#3
Chloromethane
Concen: 0.546 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 50 Resp: 1230
Ion Ratio Lower Upper
50 100
52 22.3 25.4 38.2#

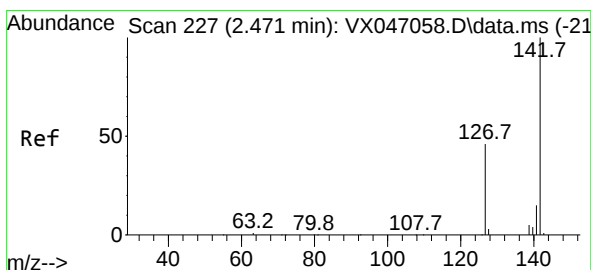
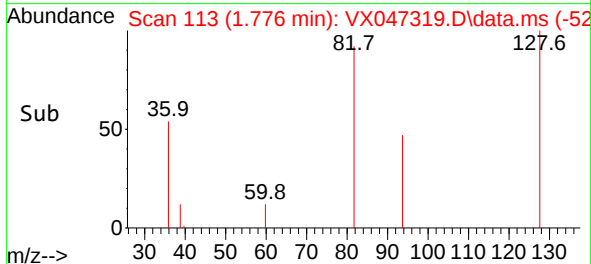
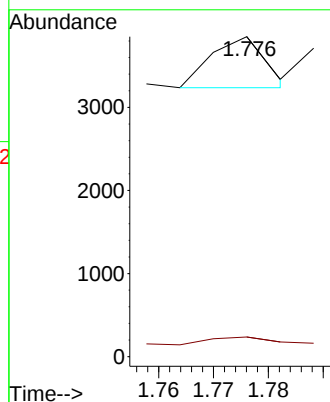
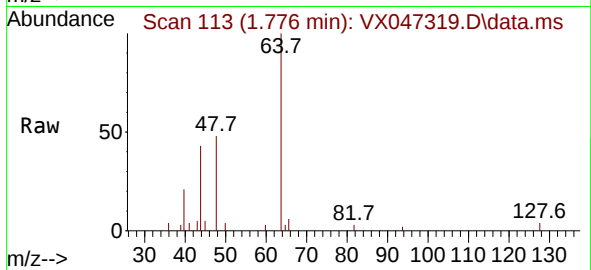




#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.776 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

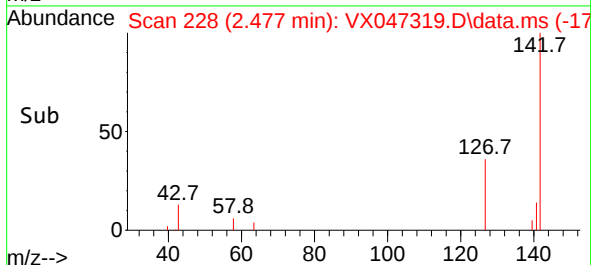
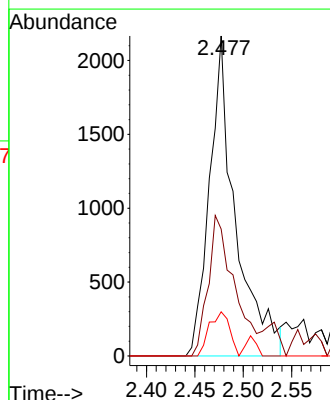
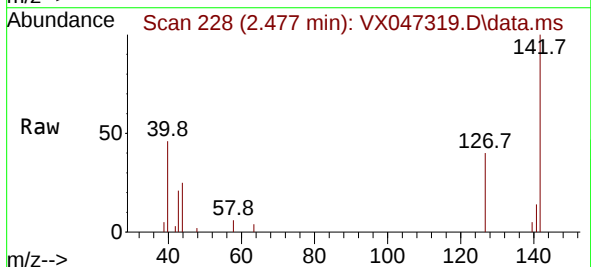
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

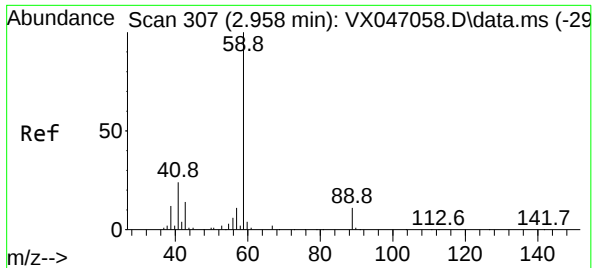
Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 15.1 25.0 37.6#



#10
Methyl Iodide
Concen: 1.834 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion:142 Resp: 4068
Ion Ratio Lower Upper
142 100
127 43.6 36.6 54.8
141 10.7 10.9 16.3#

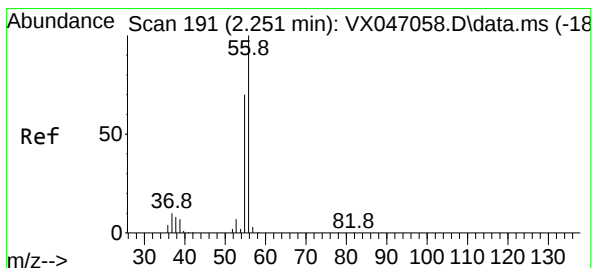
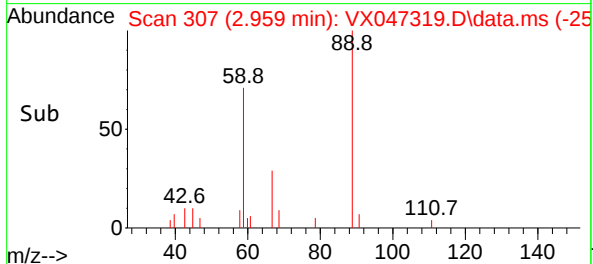
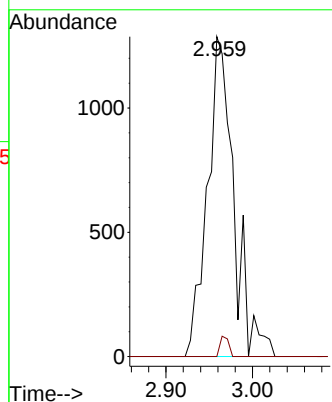
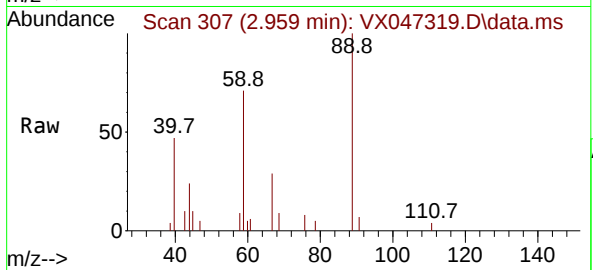




#11
Tert butyl alcohol
Concen: 0.628 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

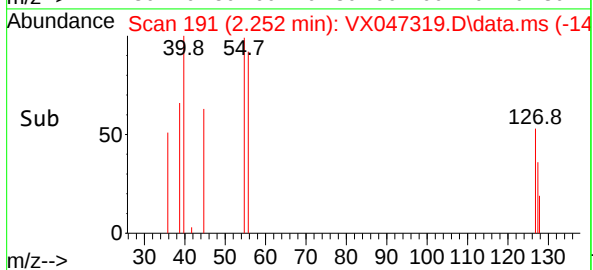
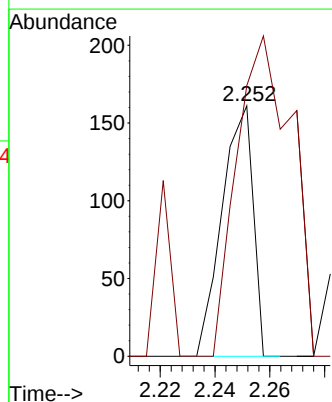
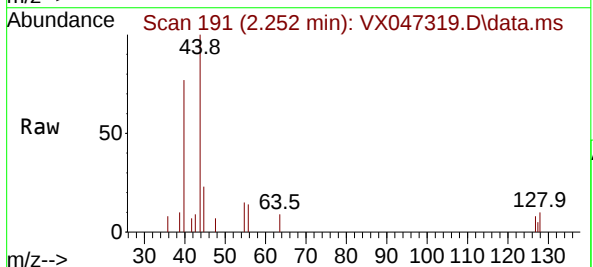
Instrument :
MSVOA_X
ClientSampleId :
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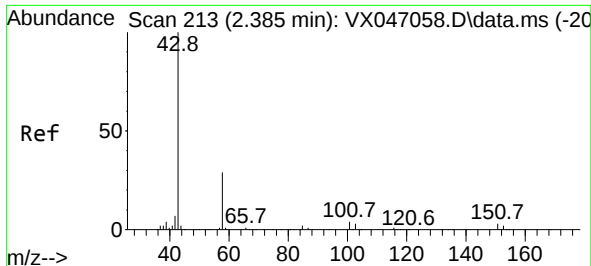
Tgt Ion: 59 Resp: 2720
Ion Ratio Lower Upper
59 100
57 2.1 8.5 12.7#



#13
Acrolein
Concen: 0.276 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 225.2 55.7 83.5#

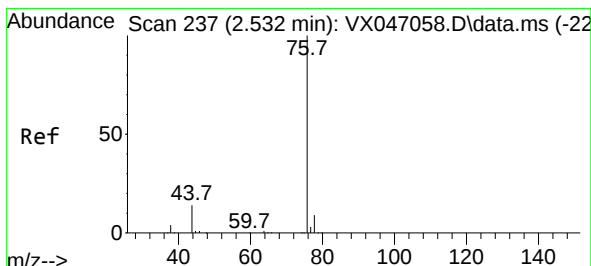
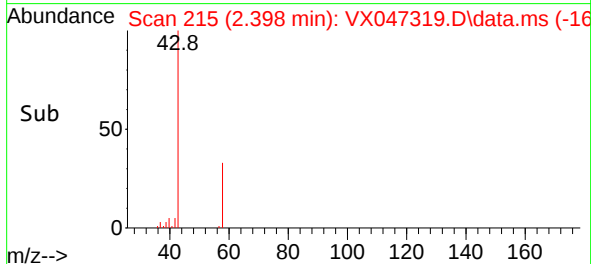
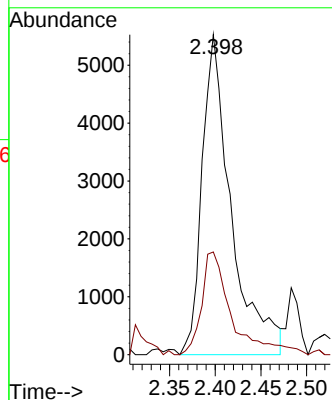
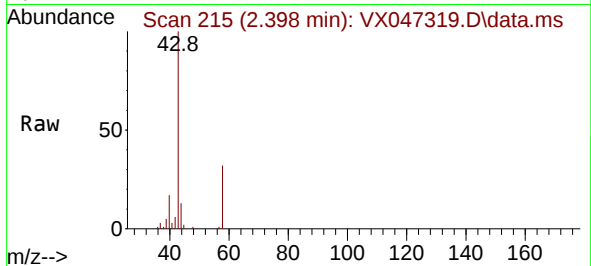




#16
Acetone
Concen: 14.280 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

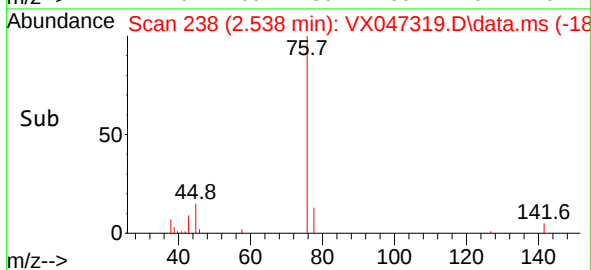
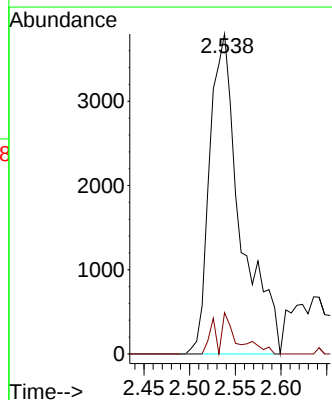
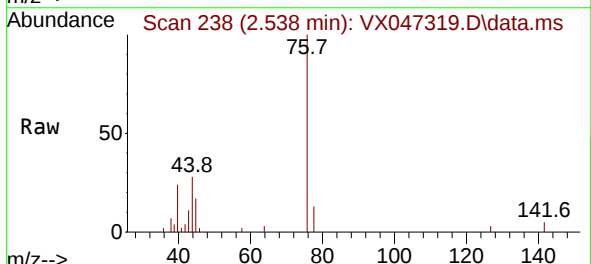
Instrument :
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ClientSampleId :
TW-518R-S

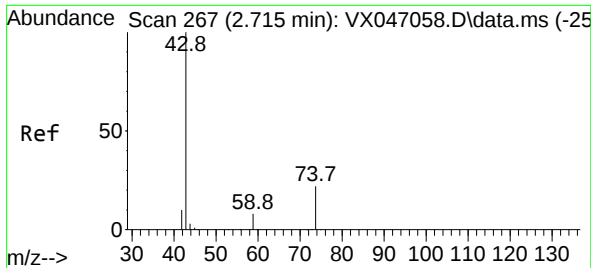
Tgt Ion: 43 Resp: 12225
Ion Ratio Lower Upper
43 100
58 36.9 24.0 36.0#



#17
Carbon Disulfide
Concen: 1.428 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 76 Resp: 8908
Ion Ratio Lower Upper
76 100
78 12.9 7.0 10.4#

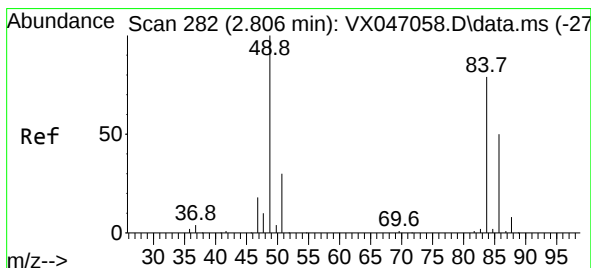
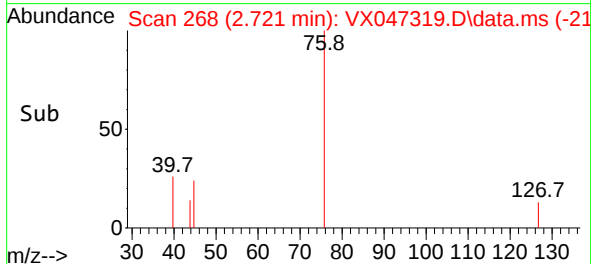
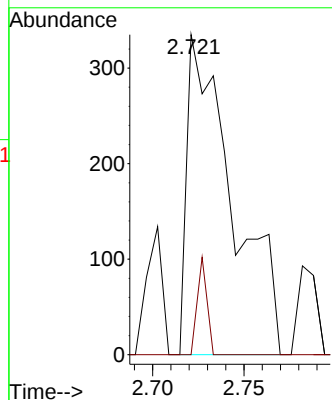
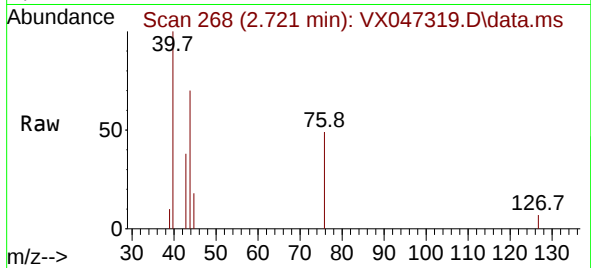




#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 2.721 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

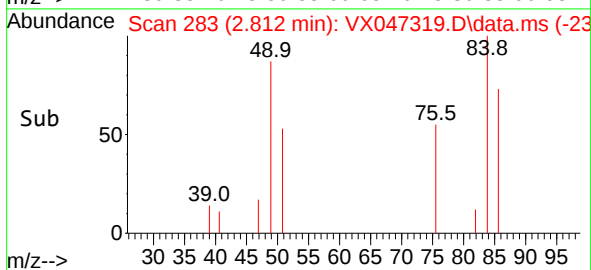
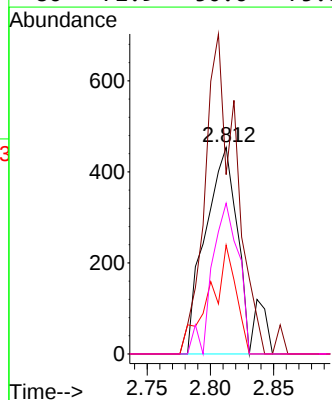
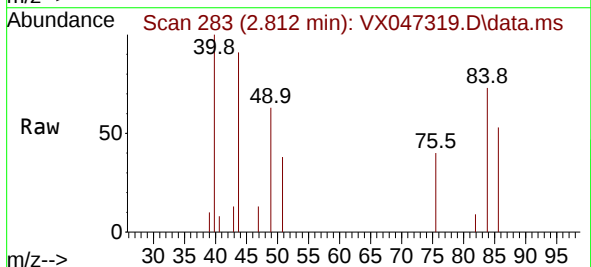
Instrument :
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ClientSampleId :
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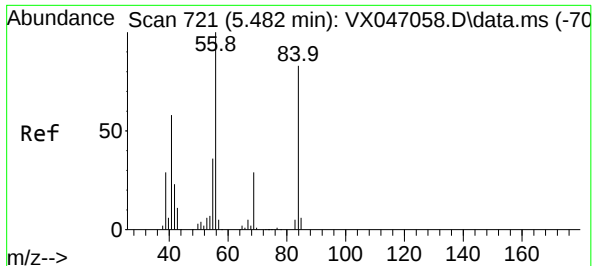
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
74 6.4 17.7 26.5#



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 84 Resp: 866
Ion Ratio Lower Upper
84 100
49 86.8 101.6 152.4#
51 52.6 30.3 45.5#
86 72.9 50.6 75.8

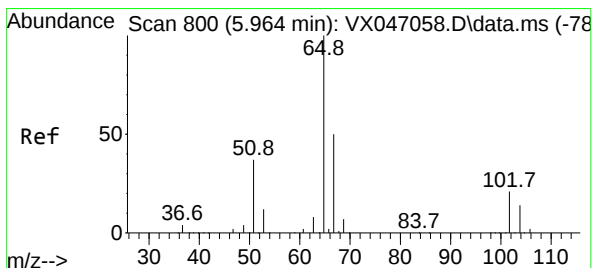
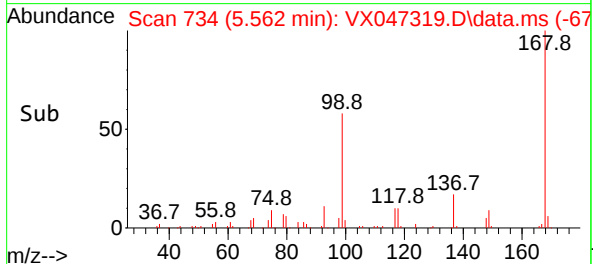
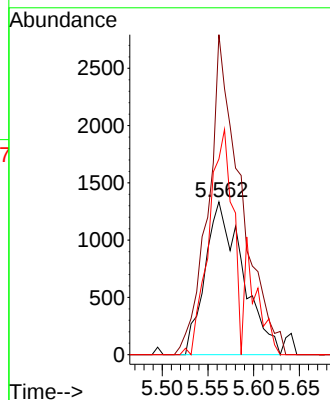
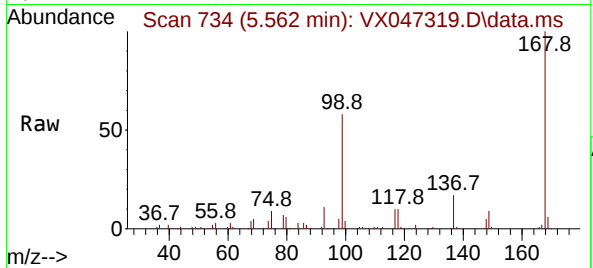




#31
Cyclohexane
Concen: 0.959 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

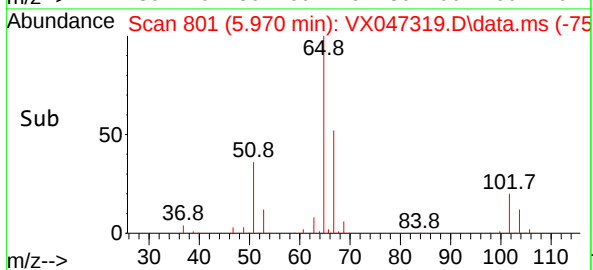
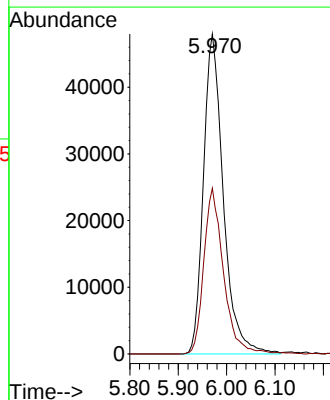
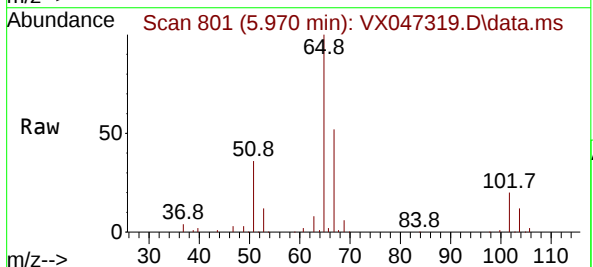
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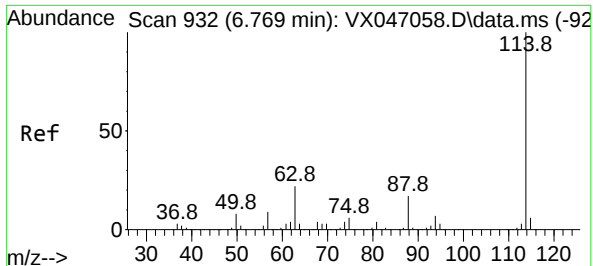
Tgt Ion: 56 Resp: 3831
Ion Ratio Lower Upper
56 100
69 204.5 23.3 34.9#
84 128.0 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 64.040 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 65 Resp: 136854
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8

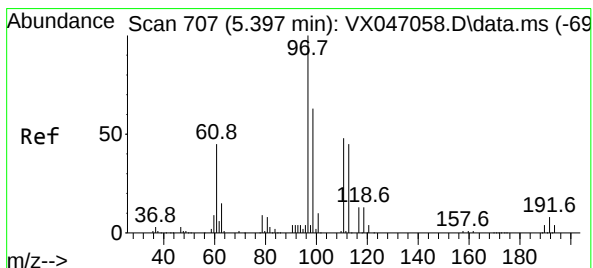
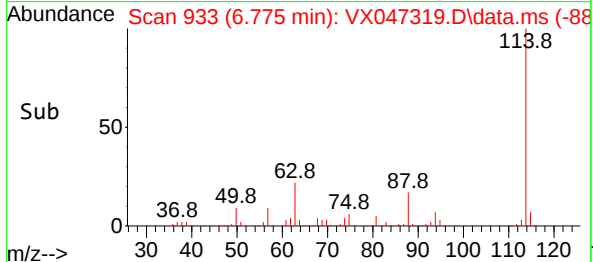
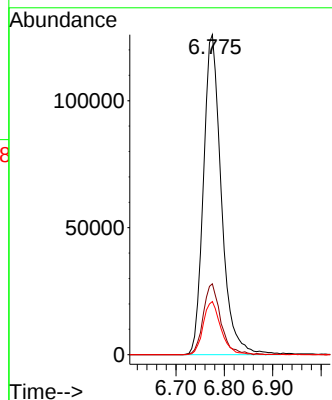
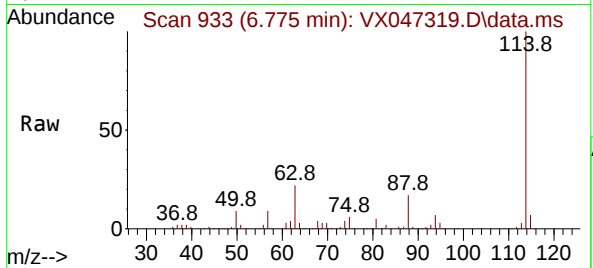




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

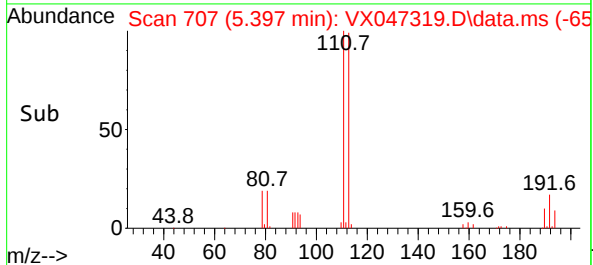
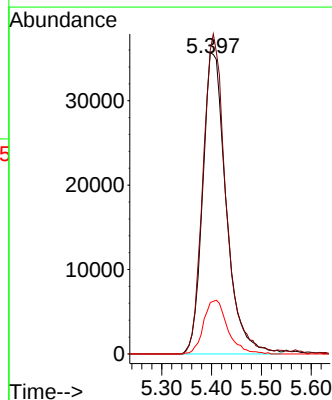
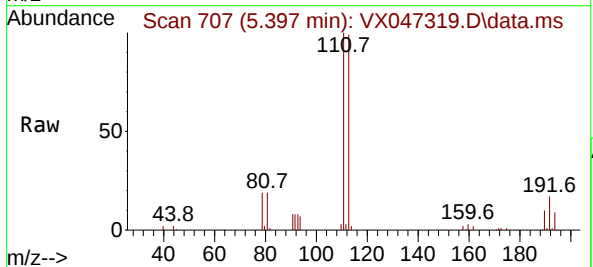
Instrument :
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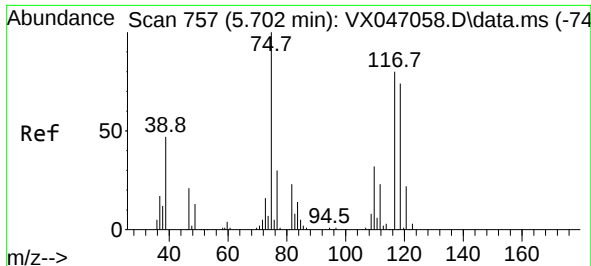
Tgt Ion:114 Resp: 324346
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 58.356 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion:113 Resp: 116865
Ion Ratio Lower Upper
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111 103.5 82.6 124.0
192 18.3 14.9 22.3

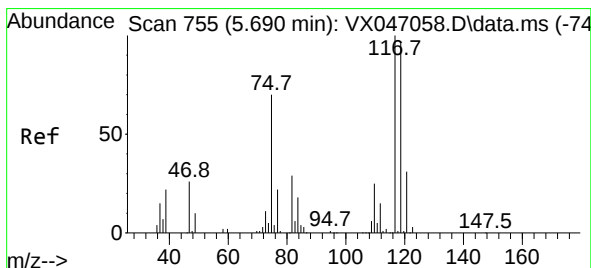
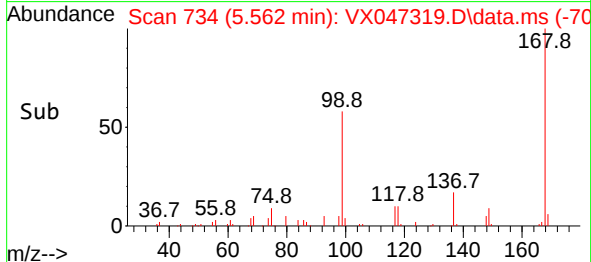
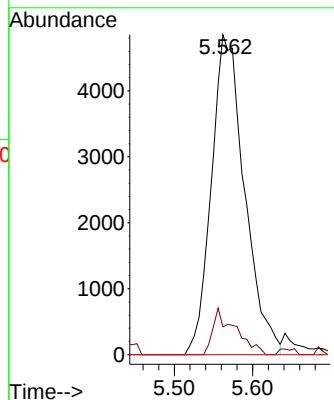
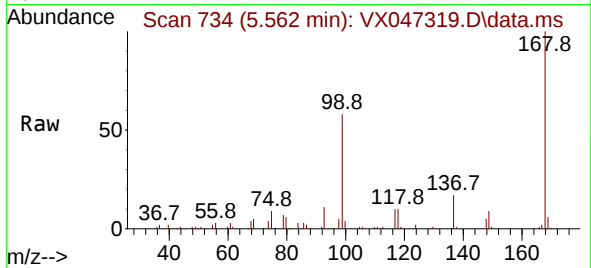




#36
 1,1-Dichloropropene
 Concen: 4.171 ug/l
 RT: 5.562 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX047319.D
 Acq: 13 Aug 2025 14:02

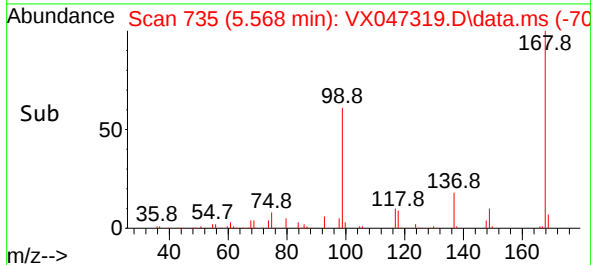
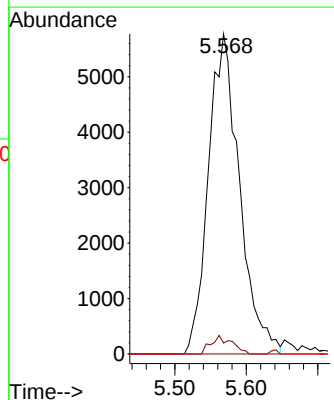
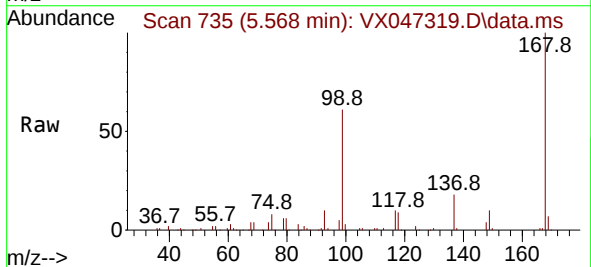
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-S

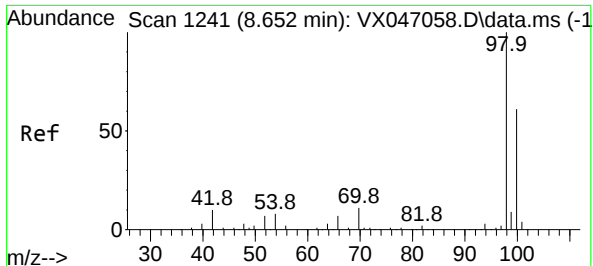
Tgt Ion: 75 Resp: 14239
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.2 51.5#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 4.788 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.122 min
 Lab File: VX047319.D
 Acq: 13 Aug 2025 14:02

Tgt Ion: 117 Resp: 17446
 Ion Ratio Lower Upper
 117 100
 119 3.4 76.6 115.0#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 46.903 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047319.D

Acq: 13 Aug 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

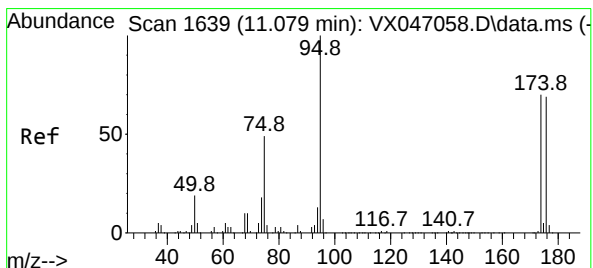
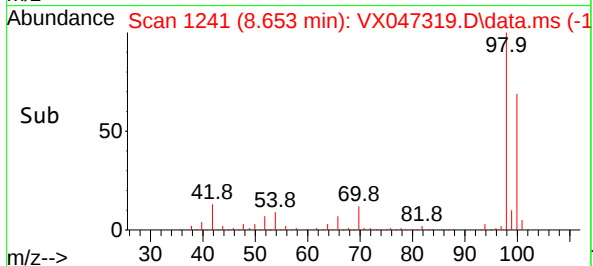
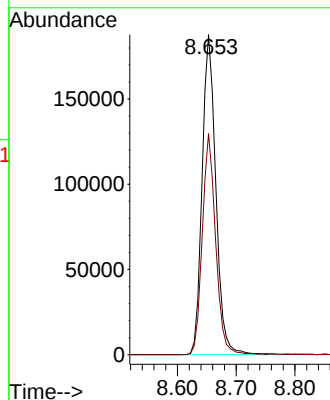
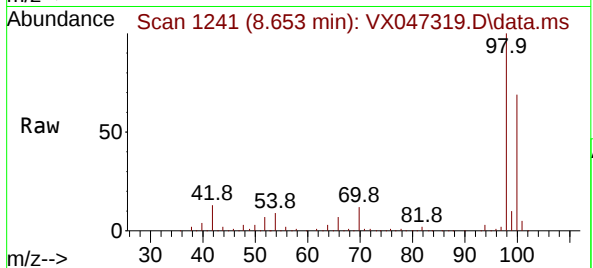
TW-518R-S

Tgt Ion: 98 Resp: 304188

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 54.864 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047319.D

Acq: 13 Aug 2025 14:02

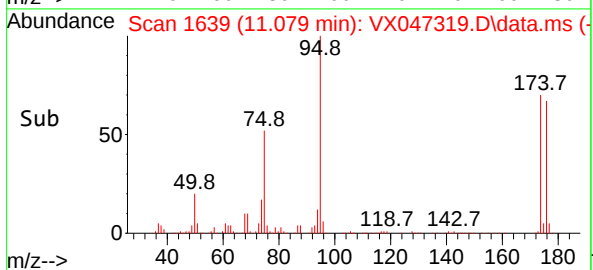
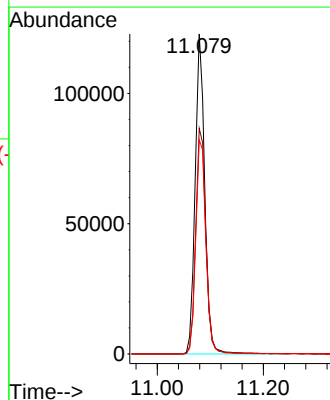
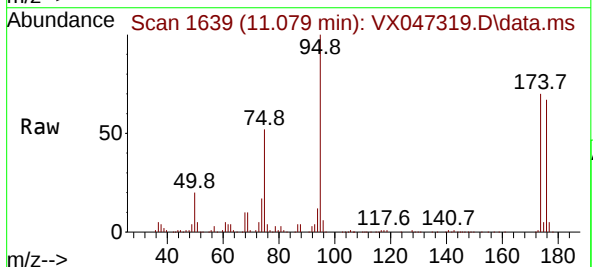
Tgt Ion: 95 Resp: 153337

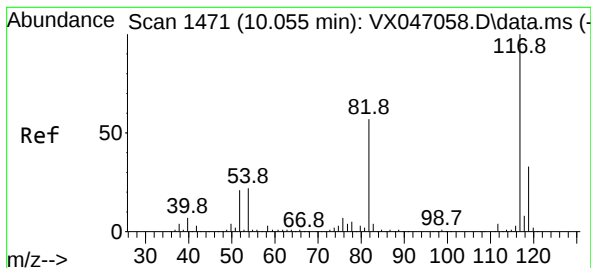
Ion Ratio Lower Upper

95 100

174 75.1 0.0 144.6

176 70.8 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: VX047319.D

Acq: 13 Aug 2025 14:02

Instrument :

MSVOA_X

ClientSampleId :

TW-518R-S

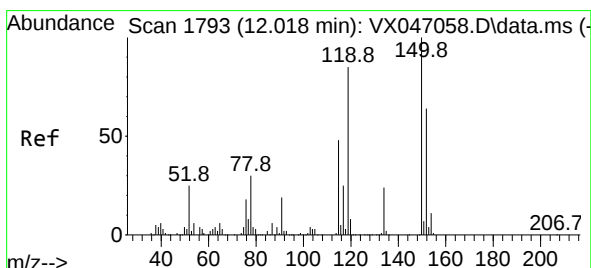
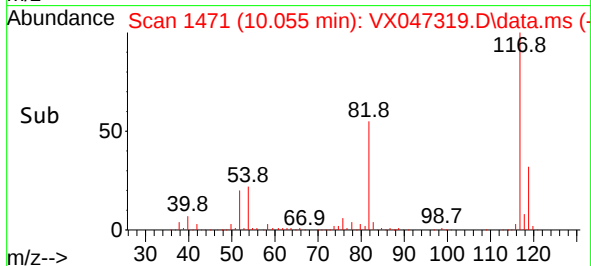
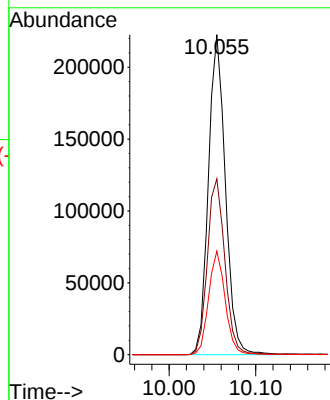
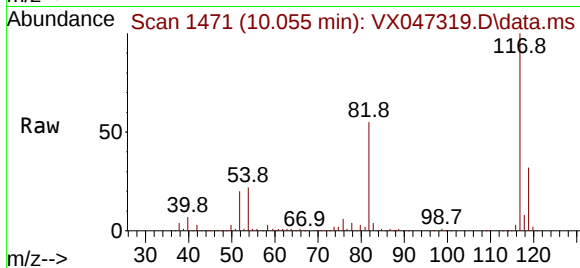
Tgt Ion:117 Resp: 303090

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.2

119 32.3 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: VX047319.D

Acq: 13 Aug 2025 14:02

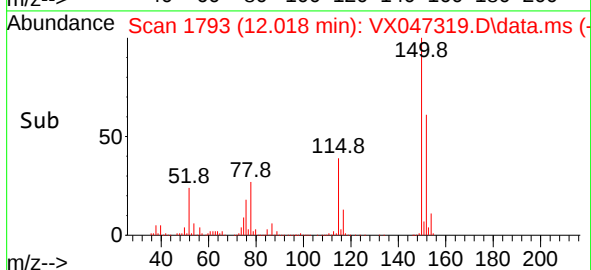
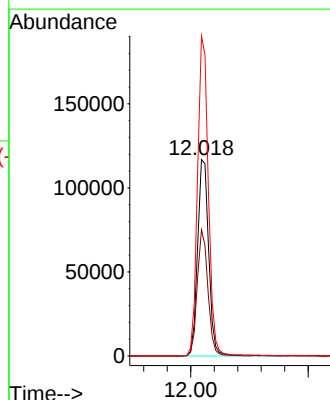
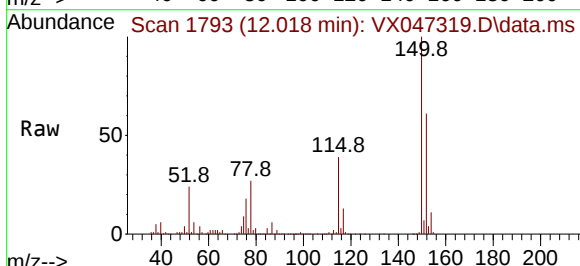
Tgt Ion:152 Resp: 153769

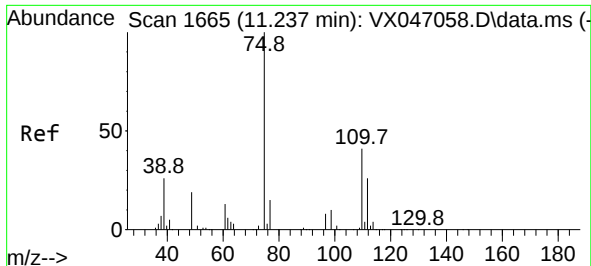
Ion Ratio Lower Upper

152 100

115 61.7 45.6 136.7

150 159.4 0.0 354.6

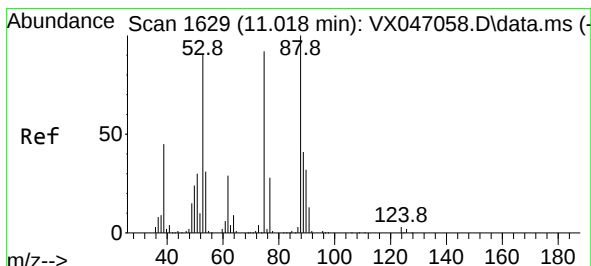
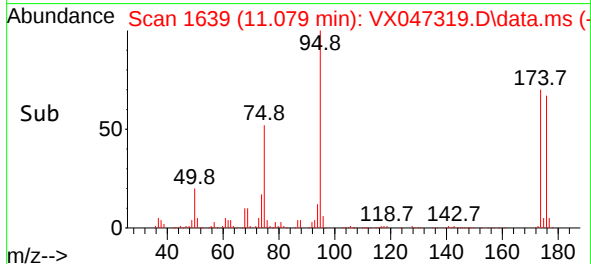
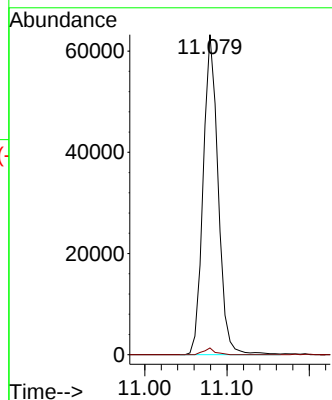
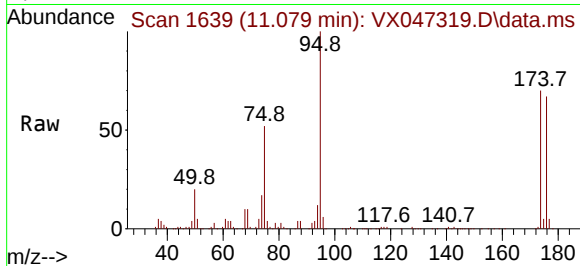




#76
1,2,3-Trichloropropane
Concen: 28.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion: 75 Resp: 80100
Ion Ratio Lower Upper
75 100
77 1.6 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047319.D
Acq: 13 Aug 2025 14:02

Tgt Ion: 75 Resp: 80100
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

