

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047118.D
 Acq On : 24 Jul 2025 14:29
 Operator : JC/MD
 Sample : Q2481-15 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:23:56 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

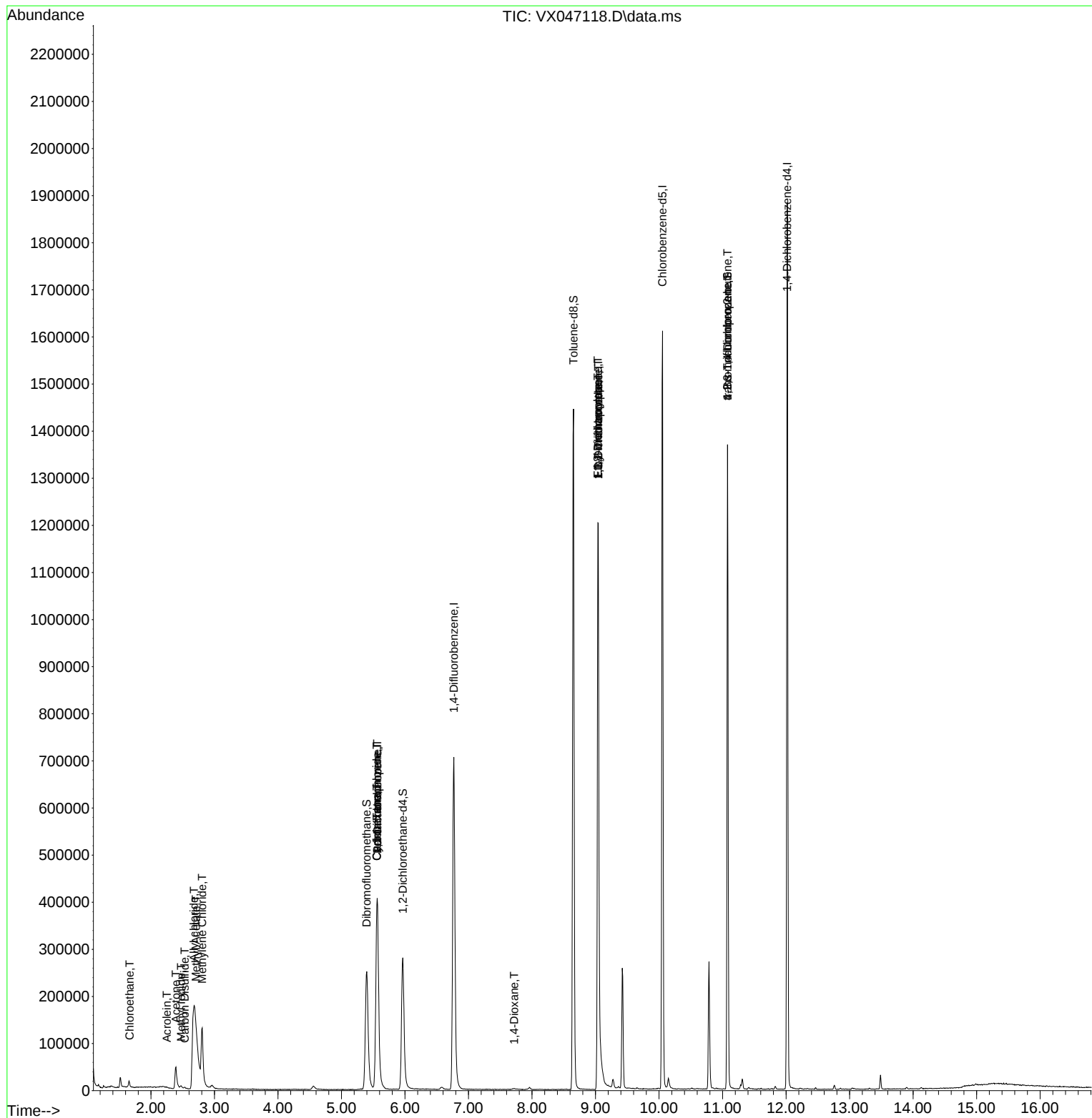
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	401016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	749846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	708181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	355368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	297329	59.521	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	119.040%#
35) Dibromofluoromethane	5.397	113	238248	51.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.920%
50) Toluene-d8	8.653	98	867547	57.862	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	115.720%#
62) 4-Bromofluorobenzene	11.079	95	359727	55.674	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.340%
Target Compounds						Qvalue
6) Chloroethane	1.666	64	944	0.254	ug/l #	43
10) Methyl Iodide	2.477	142	7049	1.359	ug/l	96
11) Tert butyl alcohol	2.959	59	3510	Below Cal	#	72
13) Acrolein	2.251	56	222	0.206	ug/l #	16
14) Allyl chloride	2.678	41	543634	59.676	ug/l #	42
16) Acetone	2.392	43	67495	33.728	ug/l	96
17) Carbon Disulfide	2.532	76	2973	0.204	ug/l #	90
18) Methyl Acetate	2.709	43	1394	0.262	ug/l #	70
20) Methylene Chloride	2.806	84	55826	10.140	ug/l	99
31) Cyclohexane	5.556	56	9476	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	34953	4.429	ug/l #	50
38) Carbon Tetrachloride	5.556	117	44274	5.256	ug/l #	15
49) 1,4-Dioxane	7.720	88	2646	37.669	ug/l #	69
53) t-1,3-Dichloropropene	9.037	75	32466	4.027	ug/l #	1
55) 1,1,2-Trichloroethane	9.043	97	50124	9.517	ug/l #	33
56) Ethyl methacrylate	9.037	69	406590	52.149	ug/l #	23
57) 1,3-Dichloropropane	9.043	76	8918	0.974	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	188031	28.586	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	188031	73.649	ug/l #	8

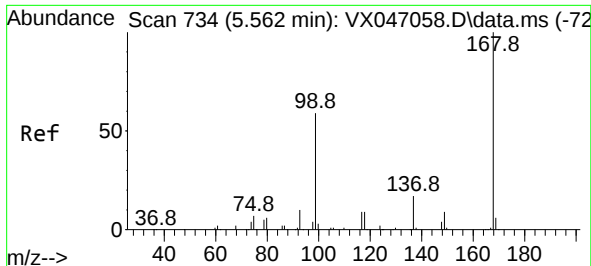
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047118.D
Acq On : 24 Jul 2025 14:29
Operator : JC/MD
Sample : Q2481-15 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 25 01:23:56 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

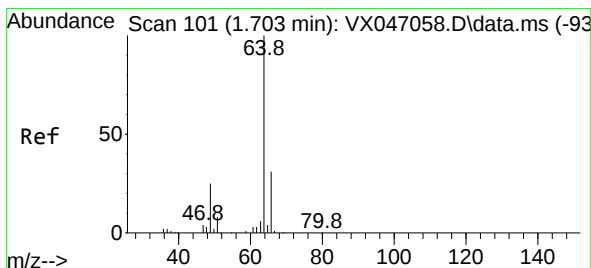
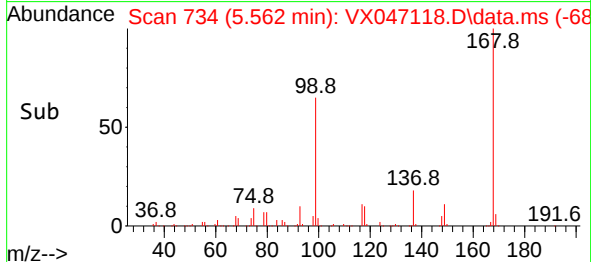
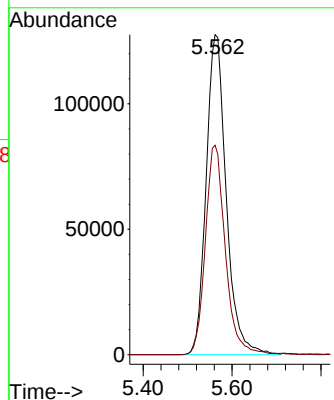
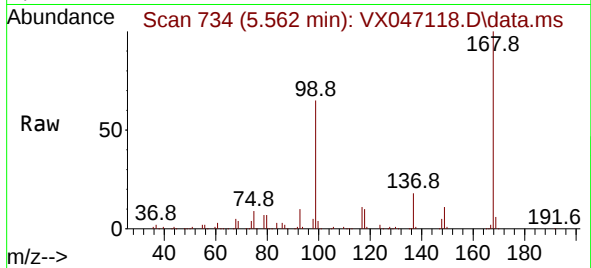




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

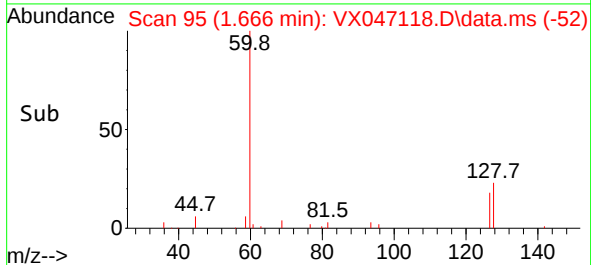
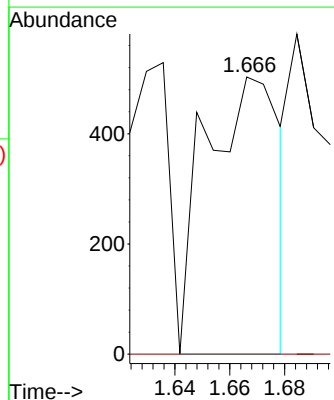
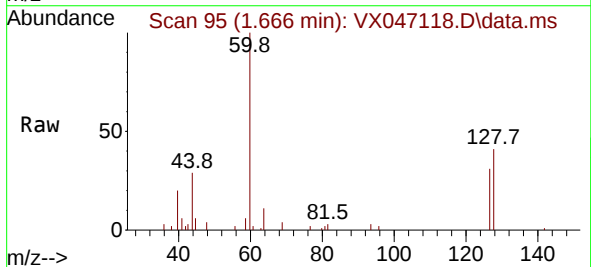
Instrument :
MSVOA_X
ClientSampleId :

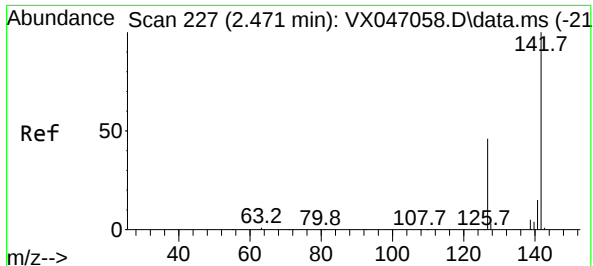
Tgt Ion:168 Resp: 401016
Ion Ratio Lower Upper
168 100
99 65.5 48.0 72.0



#6
Chloroethane
Concen: 0.254 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.036 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

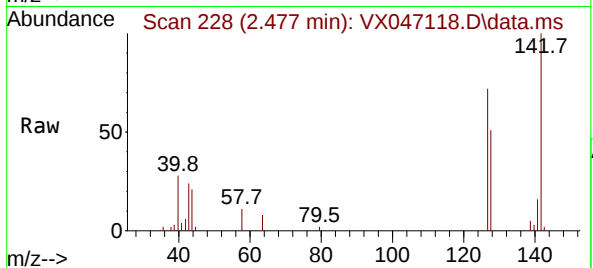
Tgt Ion: 64 Resp: 944
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



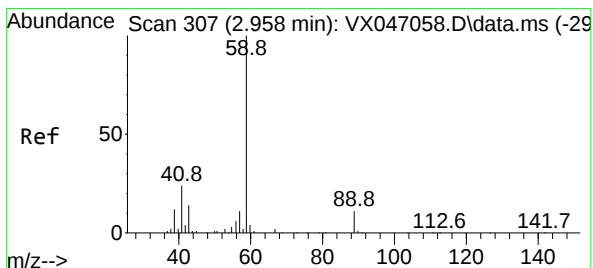
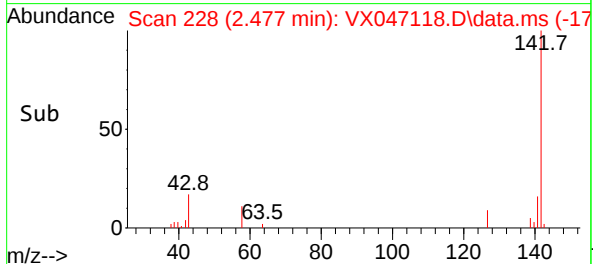
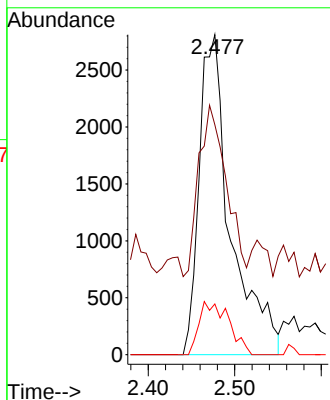


#10
Methyl Iodide
Concen: 1.359 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :

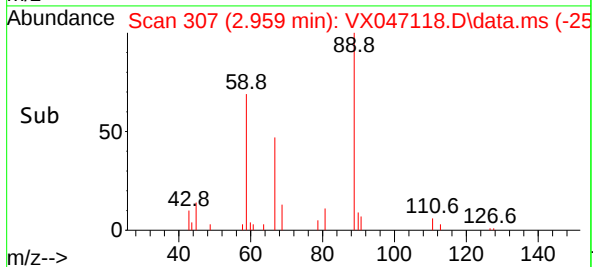
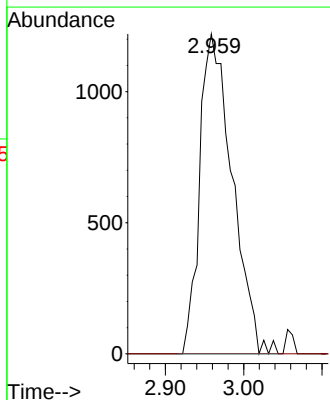
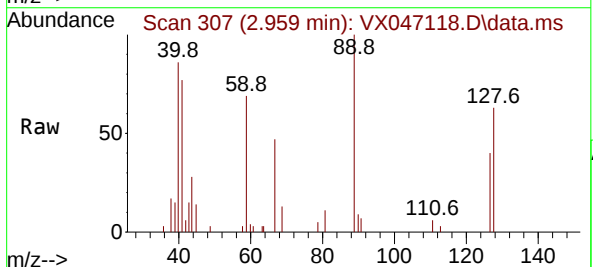


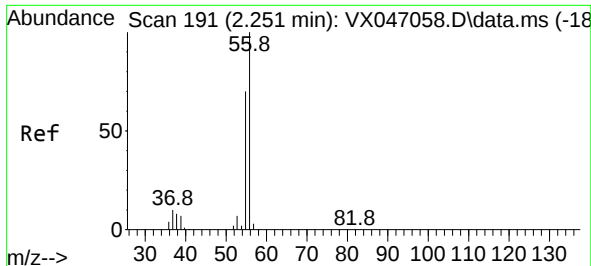
Tgt Ion:142 Resp: 7049
Ion Ratio Lower Upper
142 100
127 47.8 36.6 54.8
141 15.7 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 59 Resp: 3510
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.206 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047118.D

Acq: 24 Jul 2025 14:29

Instrument :

MSVOA_X

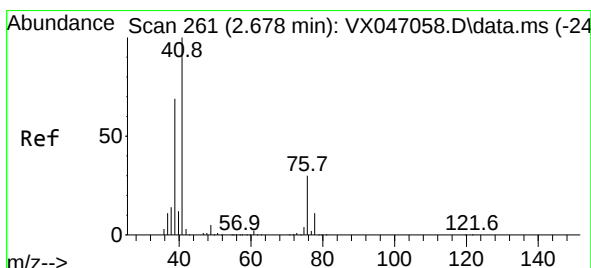
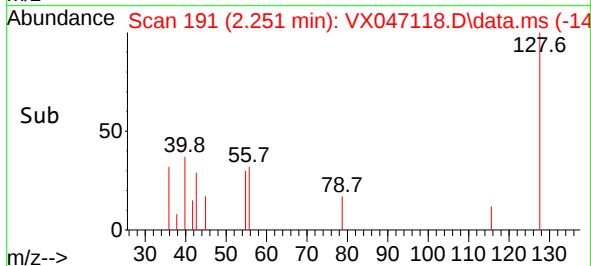
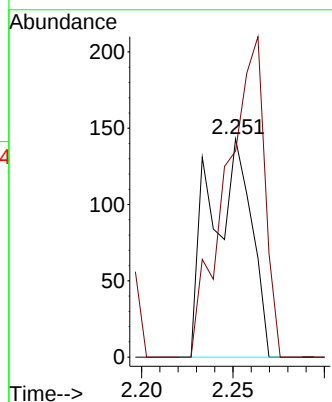
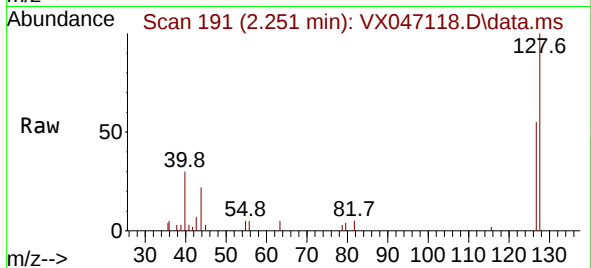
ClientSampleId :

Tgt Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 138.3 55.7 83.5#



#14

Allyl chloride

Concen: 59.676 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047118.D

Acq: 24 Jul 2025 14:29

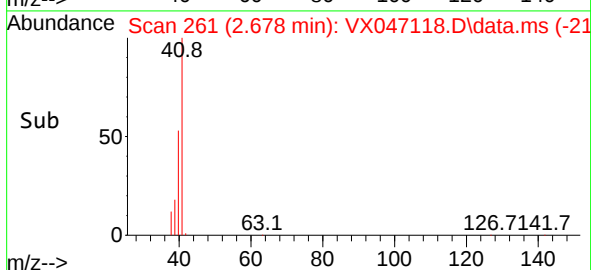
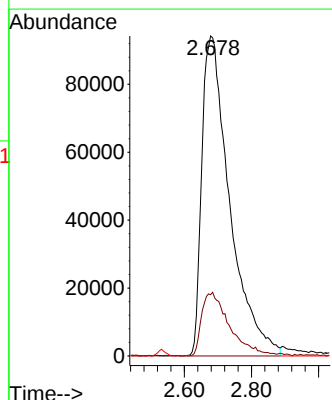
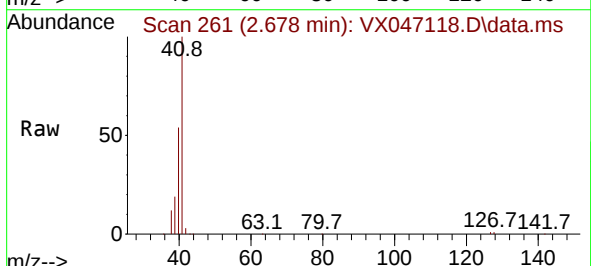
Tgt Ion: 41 Resp: 543634

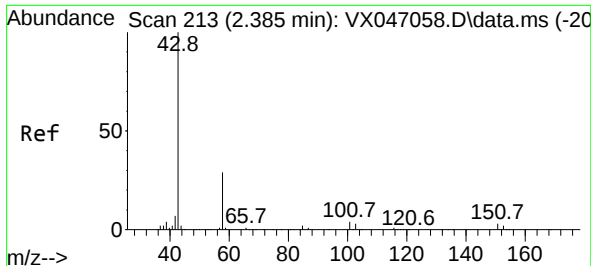
Ion Ratio Lower Upper

41 100

39 19.9 52.6 78.8#

76 0.0 25.7 38.5#

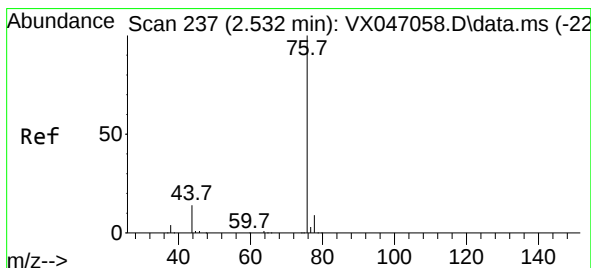
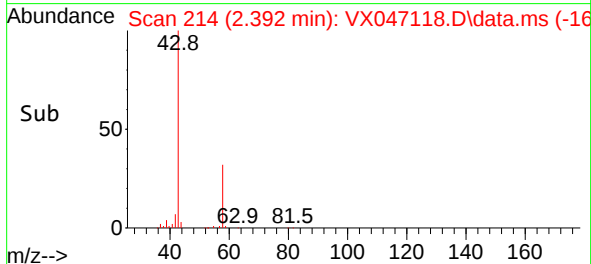
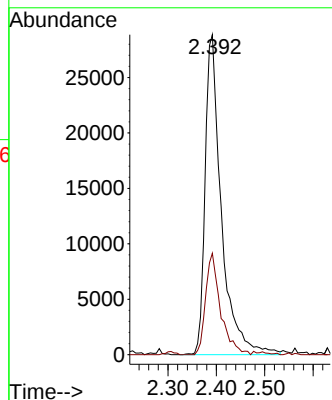
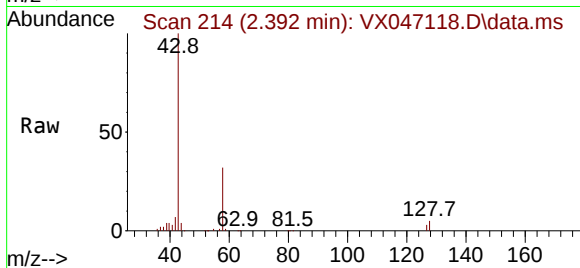




#16
Acetone
Concen: 33.728 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

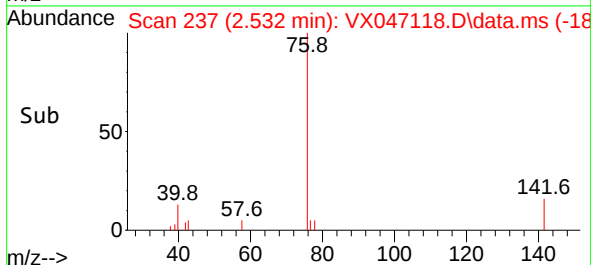
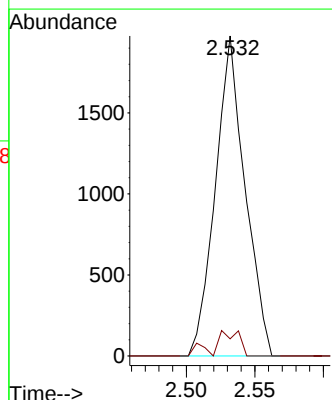
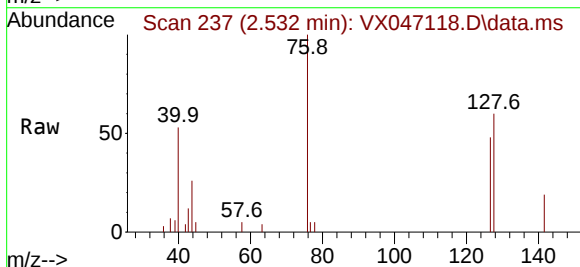
Instrument :
MSVOA_X
ClientSampleId :

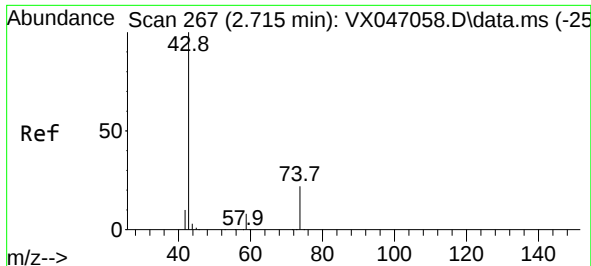
Tgt Ion: 43 Resp: 67495
Ion Ratio Lower Upper
43 100
58 32.2 24.0 36.0



#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 76 Resp: 2973
Ion Ratio Lower Upper
76 100
78 5.1 7.0 10.4#

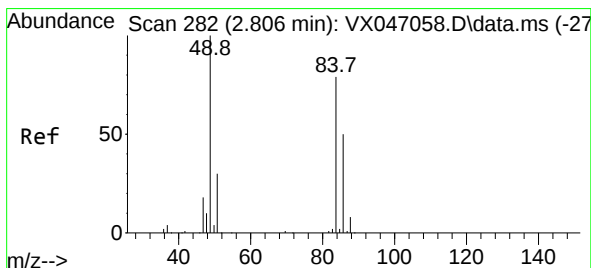
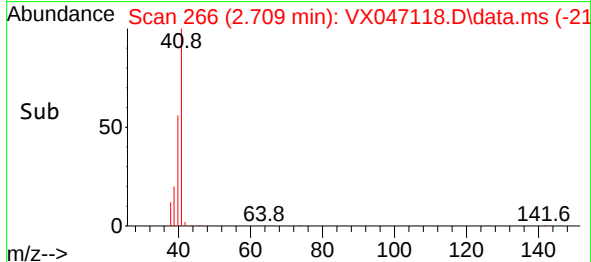
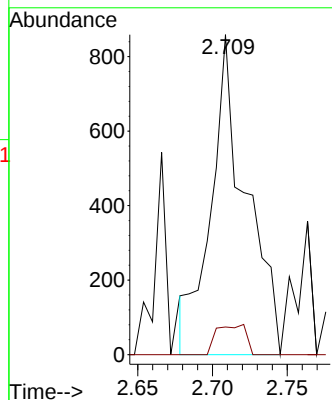
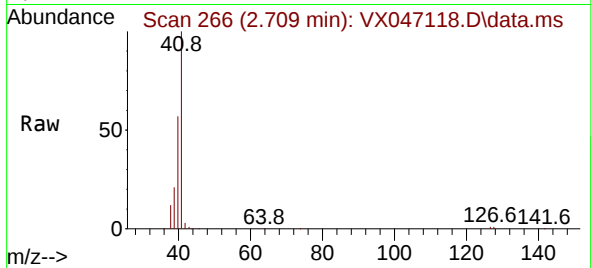




#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

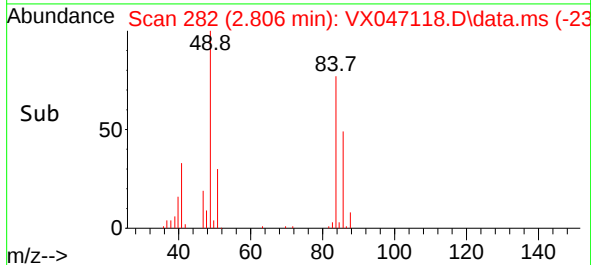
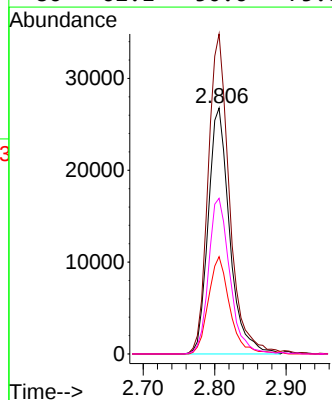
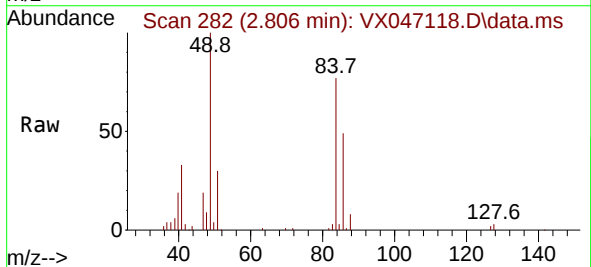
Instrument :
MSVOA_X
ClientSampleId :

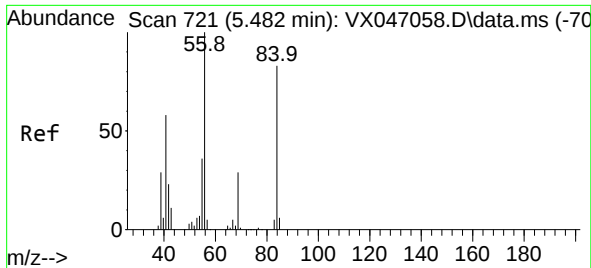
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
74 7.8 17.7 26.5#



#20
Methylene Chloride
Concen: 10.140 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 84 Resp: 55826
Ion Ratio Lower Upper
84 100
49 125.6 101.6 152.4
51 38.2 30.3 45.5
86 62.1 50.6 75.8

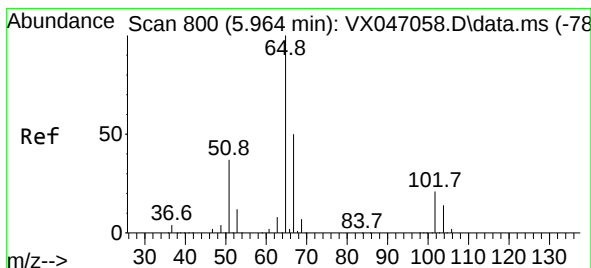
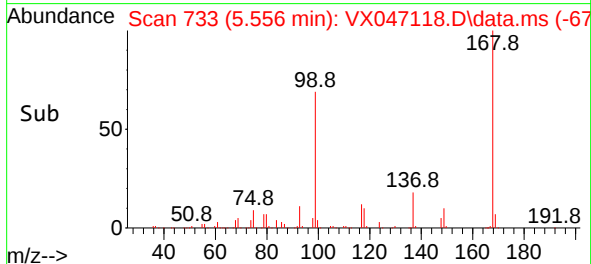
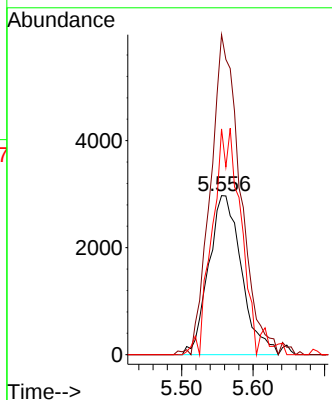
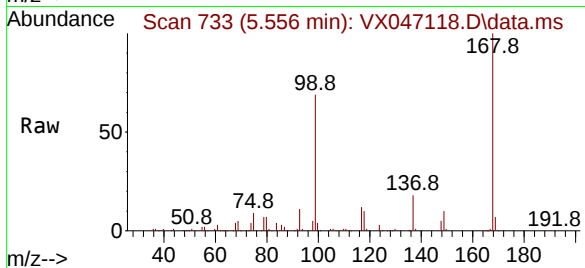




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

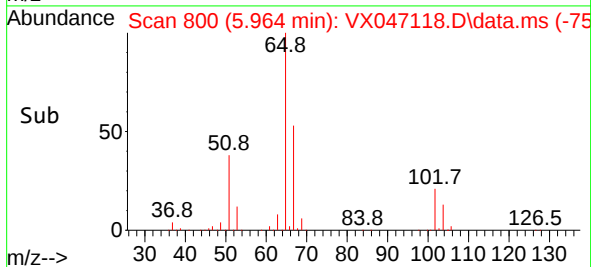
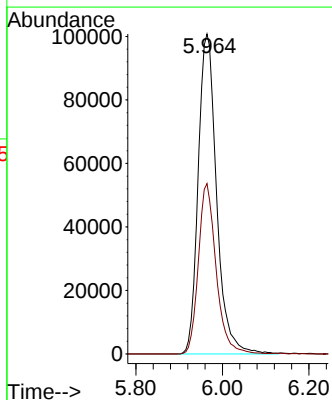
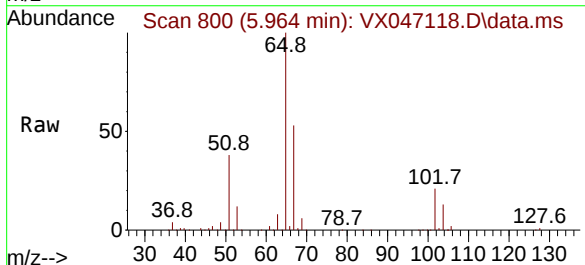
Instrument :
MSVOA_X
ClientSampleId :

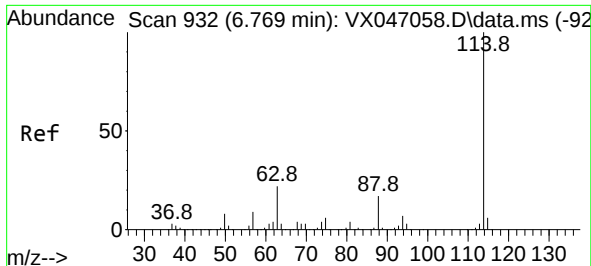
Tgt Ion: 56 Resp: 9476
Ion Ratio Lower Upper
56 100
69 203.2 23.3 34.9#
84 142.0 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 59.521 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

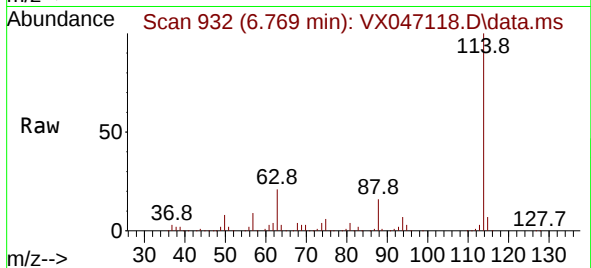
Tgt Ion: 65 Resp: 297329
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8



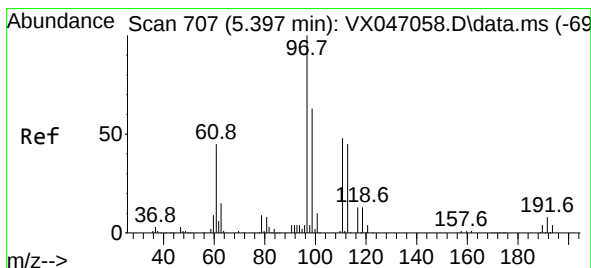
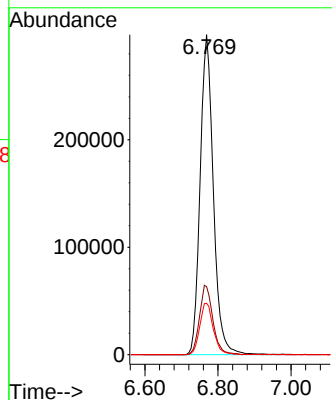
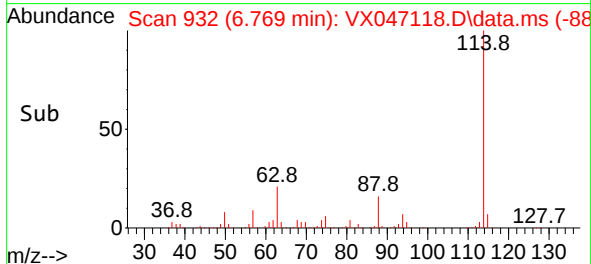


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :

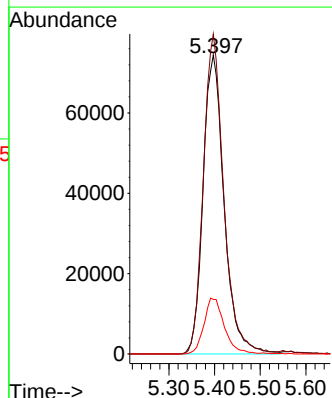
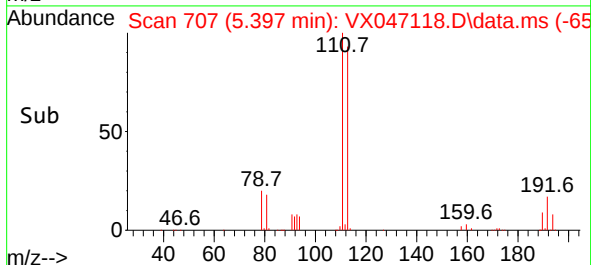
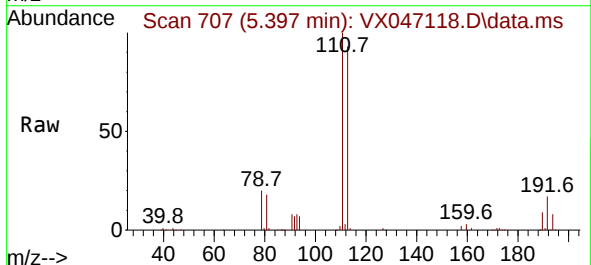


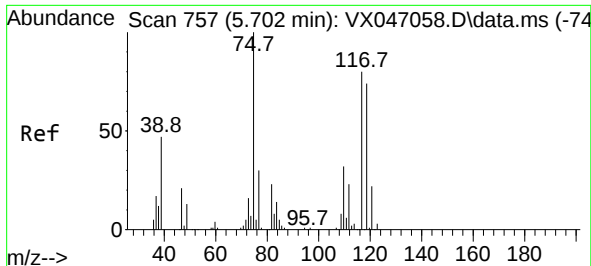
Tgt Ion:114 Resp: 749846
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 16.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.460 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

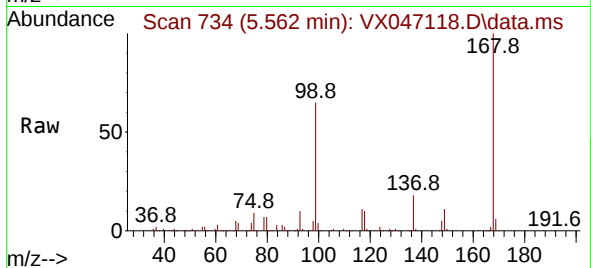
Tgt Ion:113 Resp: 238248
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 18.0 14.9 22.3



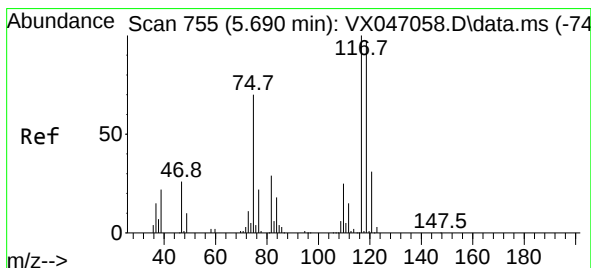
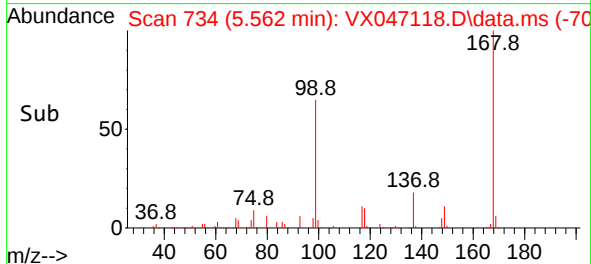
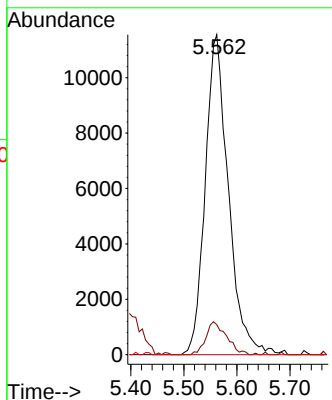


#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :

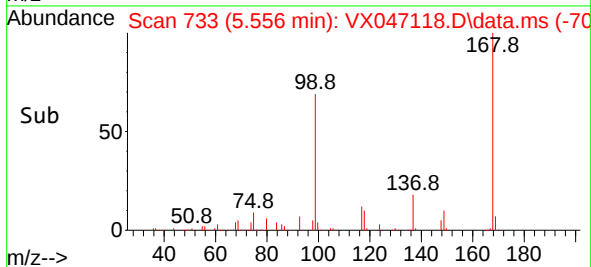
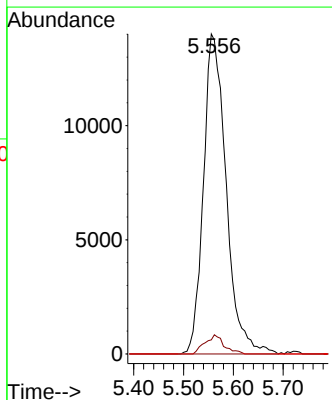
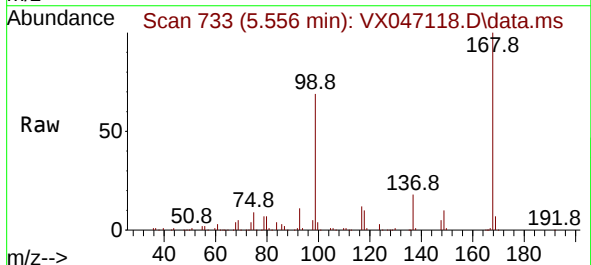


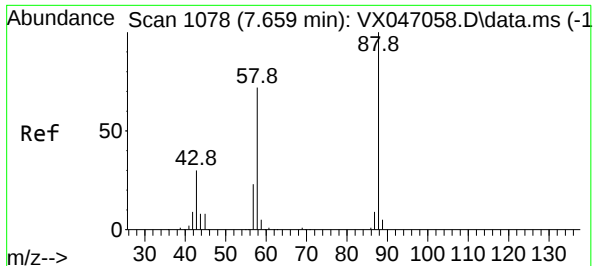
Tgt Ion: 75 Resp: 34953
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.256 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 117 Resp: 44274
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.4 36.6#

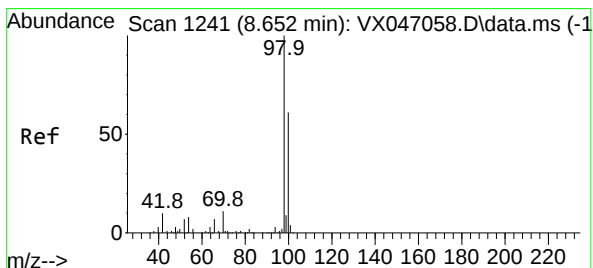
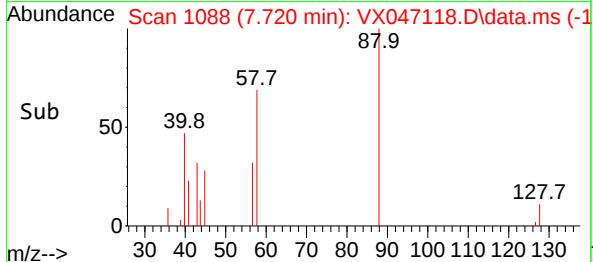
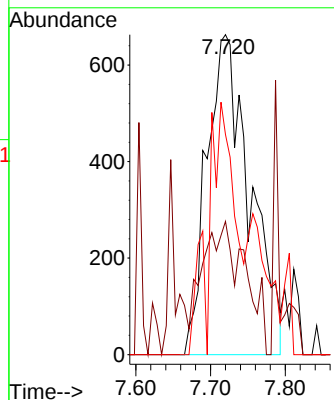
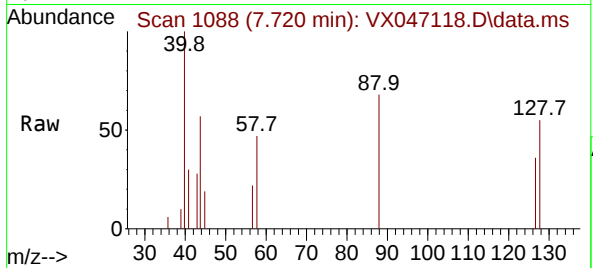




#49
1,4-Dioxane
Concen: 37.669 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.061 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

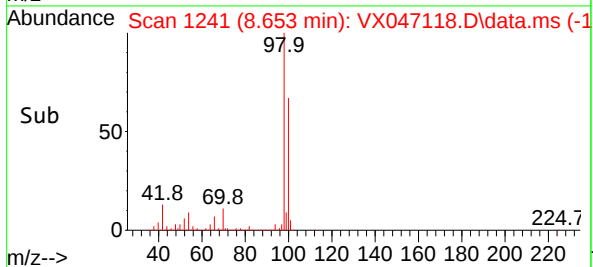
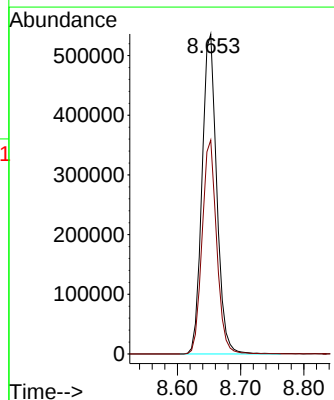
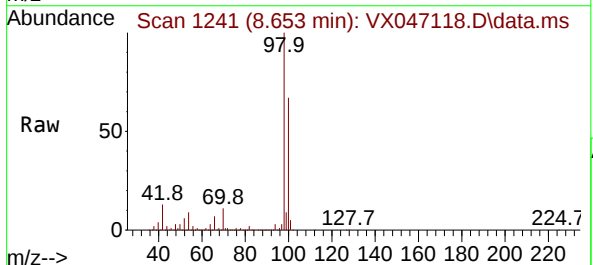
Instrument :
MSVOA_X
ClientSampleId :

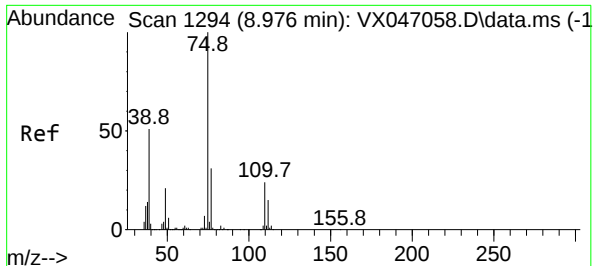
Tgt Ion: 88 Resp: 2646
Ion Ratio Lower Upper
88 100
43 21.2 33.6 50.4#
58 48.9 58.8 88.2#



#50
Toluene-d8
Concen: 57.862 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 98 Resp: 867547
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9

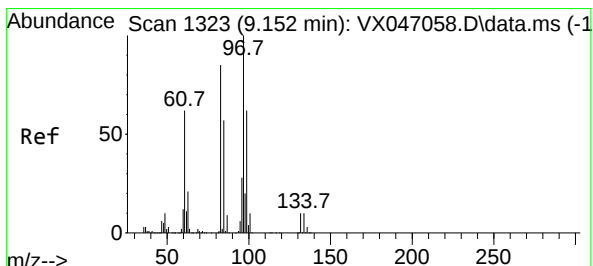
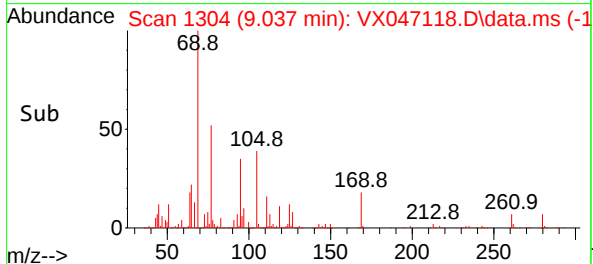
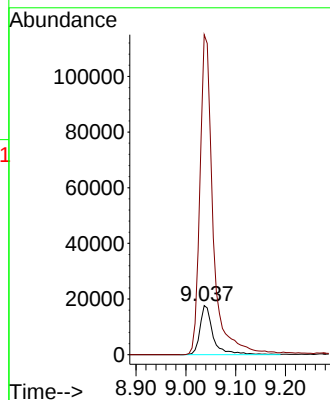
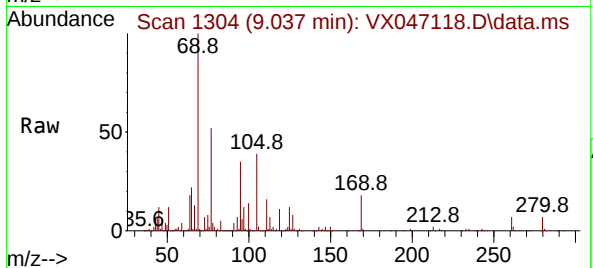




#53
t-1,3-Dichloropropene
Concen: 4.027 ug/l
RT: 9.037 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

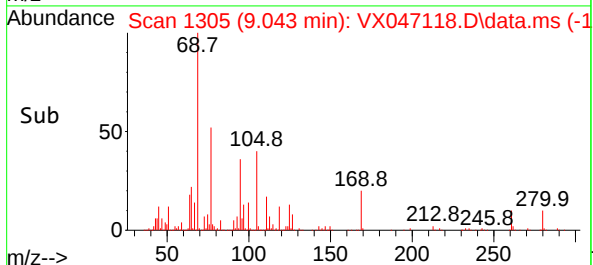
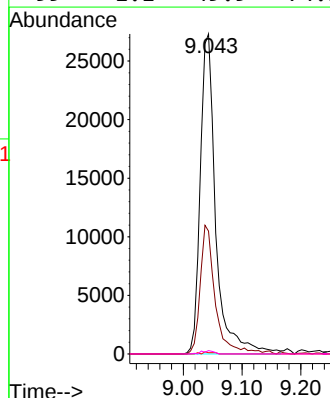
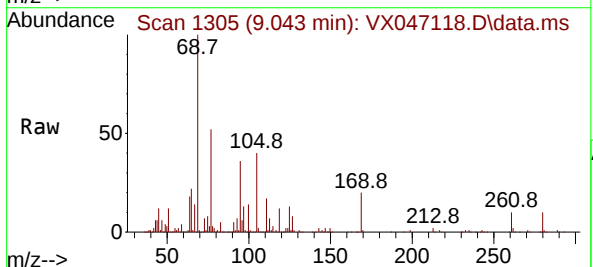
Instrument :
MSVOA_X
ClientSampleId :

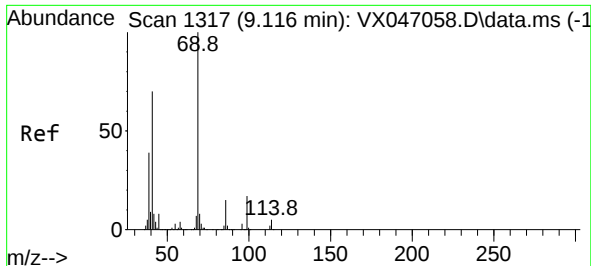
Tgt Ion: 75 Resp: 32466
Ion Ratio Lower Upper
75 100
77 651.4 24.5 36.7#



#55
1,1,2-Trichloroethane
Concen: 9.517 ug/l
RT: 9.043 min Scan# 1305
Delta R.T. -0.110 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 97 Resp: 50124
Ion Ratio Lower Upper
97 100
83 38.4 68.0 102.0#
85 0.4 45.2 67.8#
99 1.1 49.9 74.9#

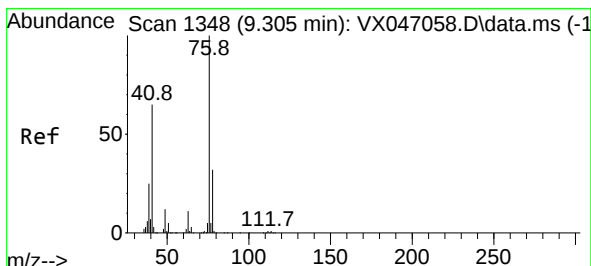
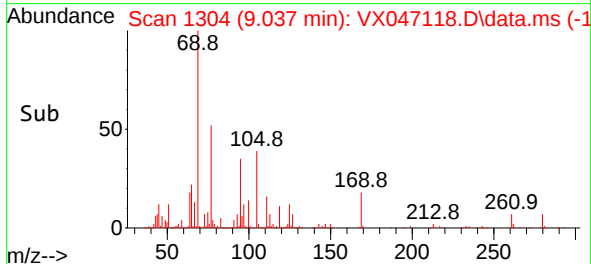
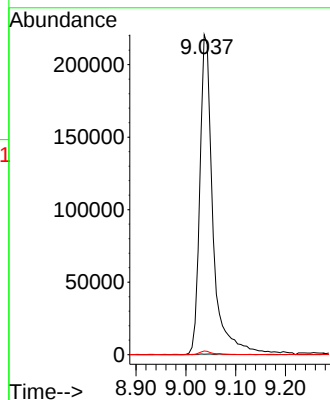
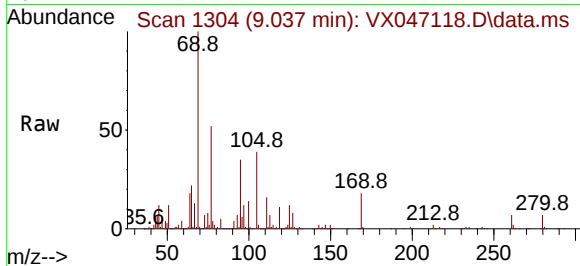




#56
Ethyl methacrylate
Concen: 52.149 ug/l
RT: 9.037 min Scan# 11
Delta R.T. -0.079 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

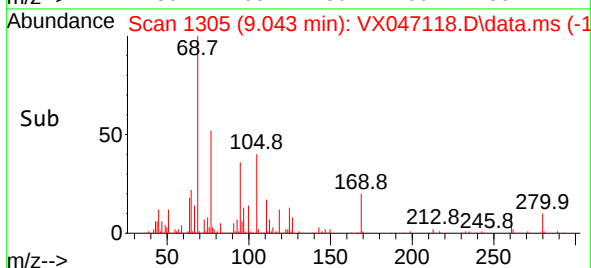
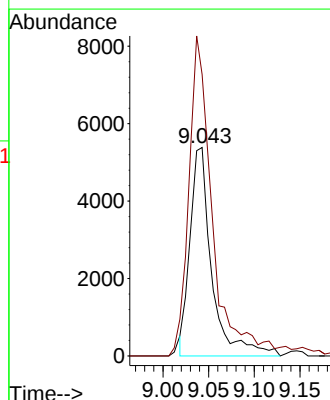
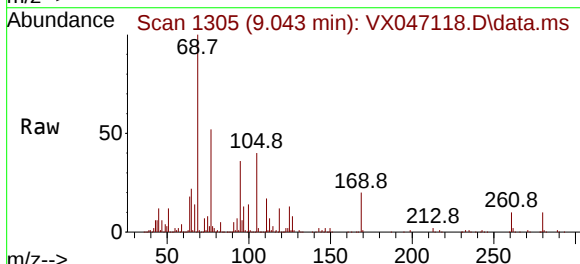
Instrument :
MSVOA_X
ClientSampleId :

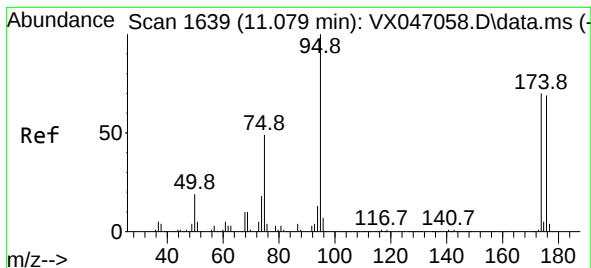
Tgt Ion: 69 Resp: 406590
Ion Ratio Lower Upper
69 100
41 0.2 56.1 84.1#
39 1.2 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 0.974 ug/l
RT: 9.043 min Scan# 1305
Delta R.T. -0.262 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 76 Resp: 8918
Ion Ratio Lower Upper
76 100
78 160.4 25.5 38.3#

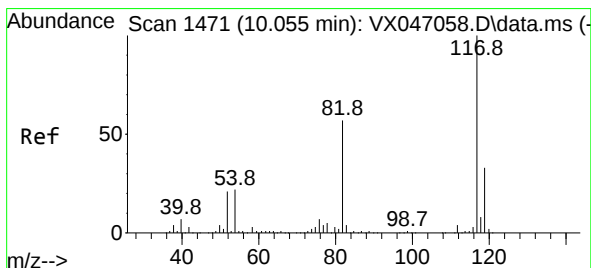
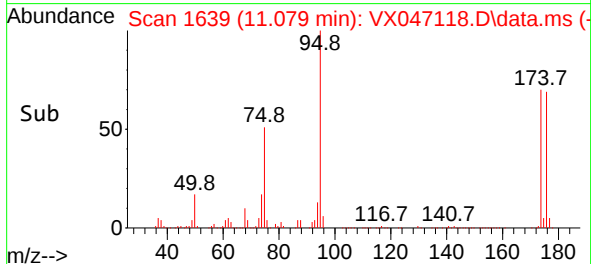
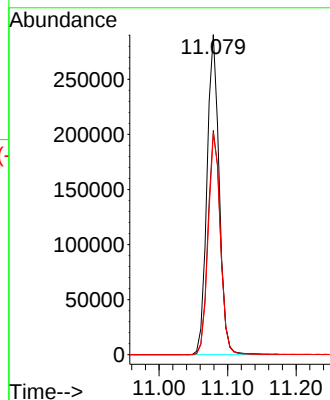
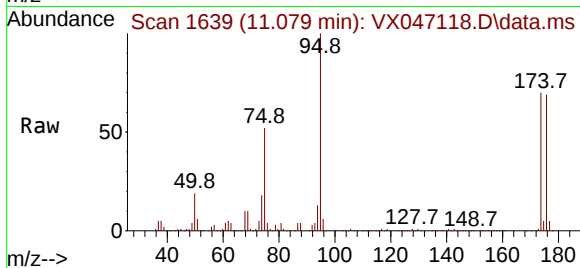




#62
4-Bromofluorobenzene
Concen: 55.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

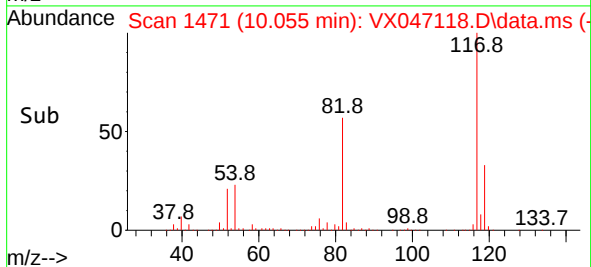
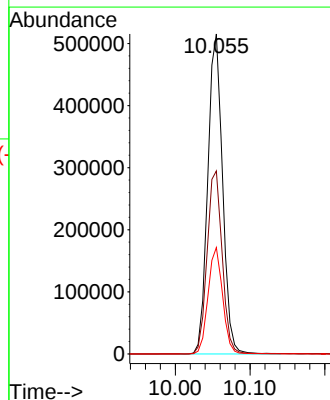
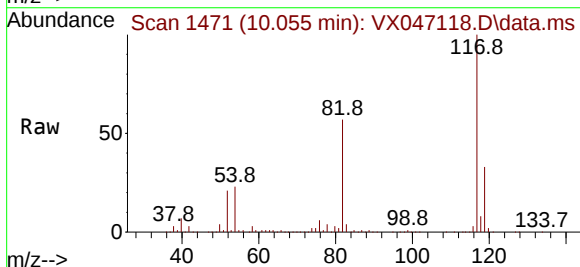
Instrument :
MSVOA_X
ClientSampleId :

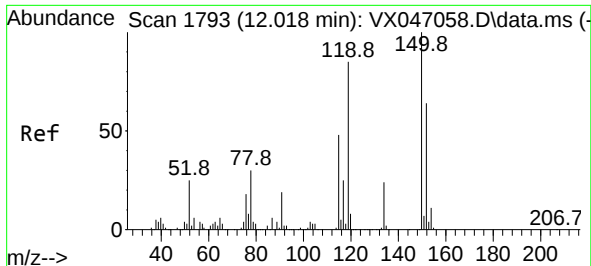
Tgt Ion: 95 Resp: 359727
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.6
176 69.5 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

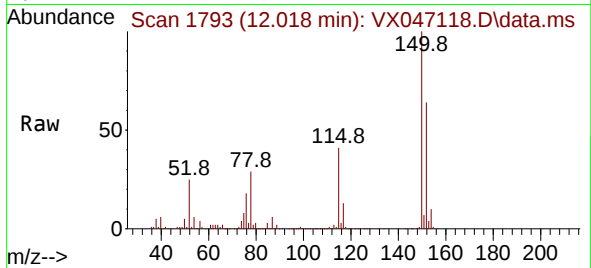
Tgt Ion: 117 Resp: 708181
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 33.2 26.1 39.1



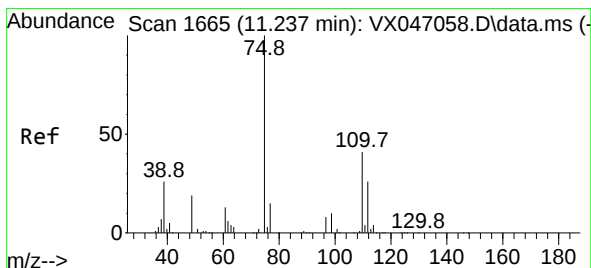
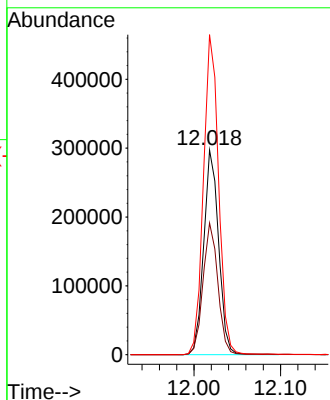
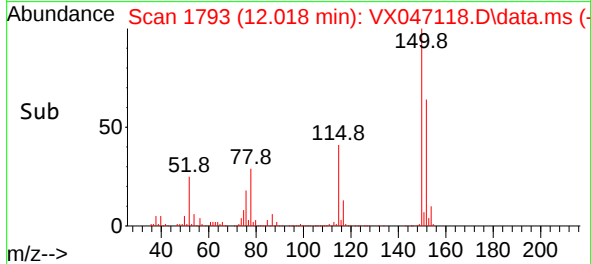


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047118.D
 Acq: 24 Jul 2025 14:29

Instrument :
 MSVOA_X
 ClientSampleId :

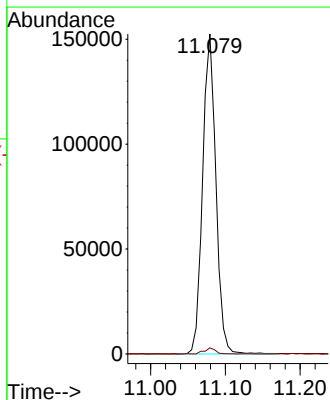
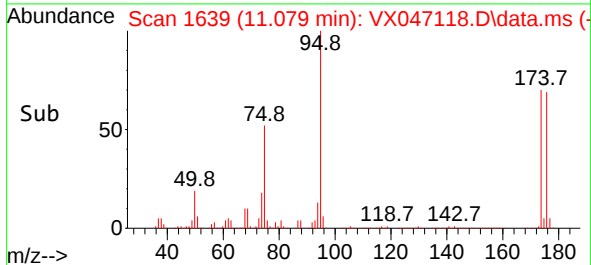
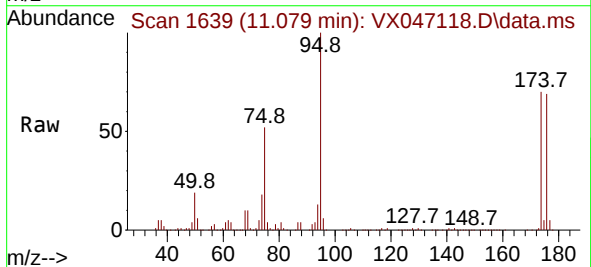


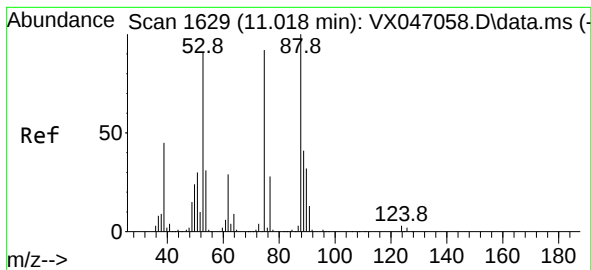
Tgt Ion:152 Resp: 355368
 Ion Ratio Lower Upper
 152 100
 115 64.3 45.6 136.7
 150 159.4 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 28.586 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047118.D
 Acq: 24 Jul 2025 14:29

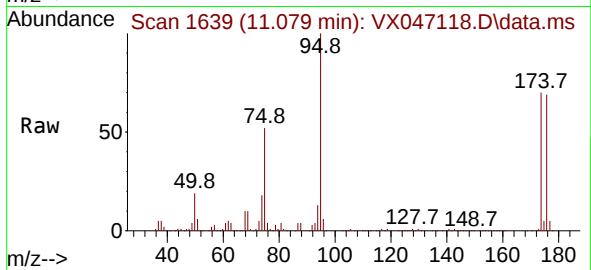
Tgt Ion: 75 Resp: 188031
 Ion Ratio Lower Upper
 75 100
 77 1.6 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.649 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047118.D
 Acq: 24 Jul 2025 14:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 188031
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.0 36.0 54.0#

