

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079382.D
 Acq On : 30 Sep 2023 13:22
 Operator : JC\MD
 Sample : PB155992ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:54:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

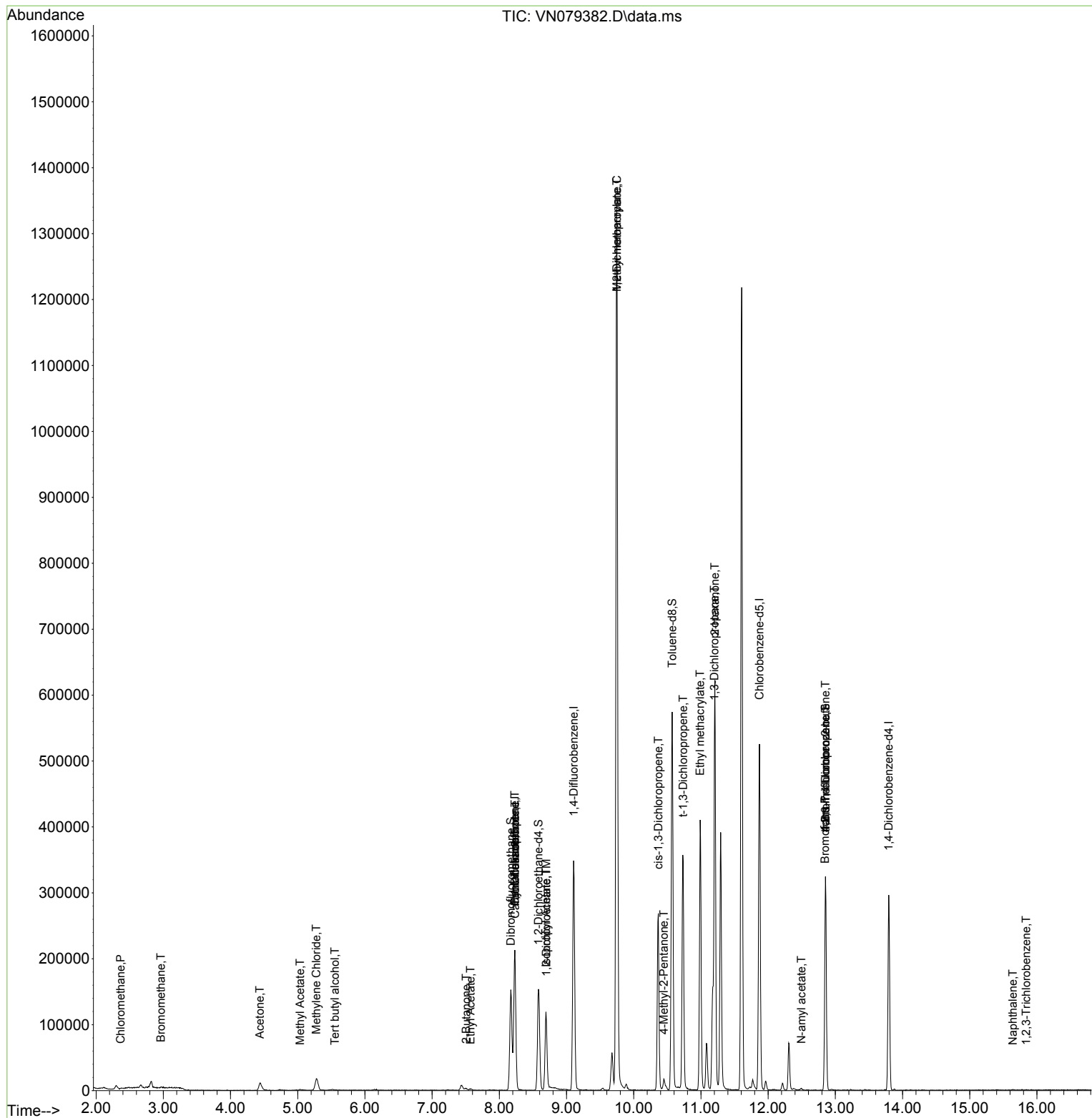
Internal Standards						
1) Pentafluorobenzene	8.230	168	141403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	291967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	125492	65.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 131.480%#	
35) Dibromofluoromethane	8.171	113	106591	55.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.660%	
50) Toluene-d8	10.571	98	389621	55.078	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.160%	
62) 4-Bromofluorobenzene	12.853	95	108581	48.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	622	0.339	ug/l #	42
5) Bromomethane	2.965	94	313	0.272	ug/l	89
6) Chloroethane	3.124	64	406	Below Cal	#	43
11) Tert butyl alcohol	5.553	59	116	0.329	ug/l #	72
16) Acetone	4.436	43	23388	28.850	ug/l #	84
18) Methyl Acetate	5.036	43	2000	0.600	ug/l #	47
20) Methylene Chloride	5.277	84	14104	7.149	ug/l	86
25) 2-Butanone	7.506	43	5190	4.412	ug/l #	87
31) Cyclohexane	8.230	56	4469	1.603	ug/l #	58
36) 1,1-Dichloropropene	8.230	75	14076	4.740	ug/l #	47
37) Ethyl Acetate	7.571	43	4002	1.351	ug/l #	79
38) Carbon Tetrachloride	8.236	117	15654	5.094	ug/l #	15
42) 1,2-Dichloroethane	8.700	62	835	0.267	ug/l #	73
43) Isopropyl Acetate	8.694	43	132803	27.479	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1702	0.754	ug/l #	45
48) Methyl methacrylate	9.747	41	124770	57.637	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	16564	5.904	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	957	0.289	ug/l #	84
54) cis-1,3-Dichloropropene	10.365	75	43777	12.374	ug/l #	69
56) Ethyl methacrylate	10.988	69	2312	0.747	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6216	1.640	ug/l #	42
59) 2-Hexanone	11.206	43	77476	38.129	ug/l #	48
71) Bromoform	12.847	173	599	0.327	ug/l #	1
74) N-amyl acetate	12.494	43	1593	0.609	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	58770	28.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58770	79.155	ug/l #	15
95) Naphthalene	15.641	128	1151	0.382	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.841	180	385	0.321	ug/l #	33

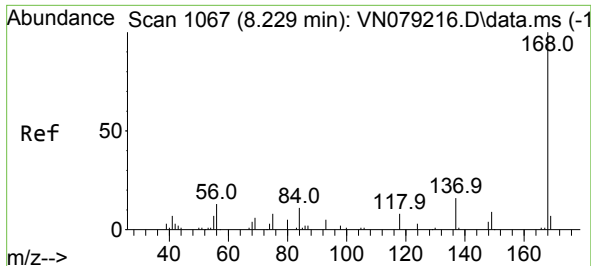
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
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Quant Time: Oct 02 01:54:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

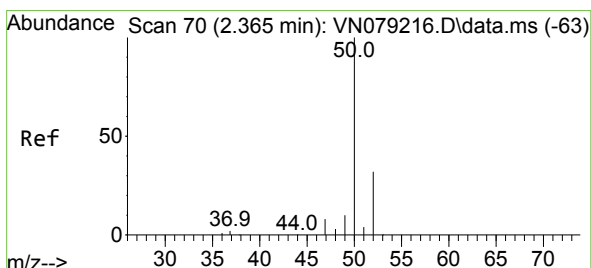
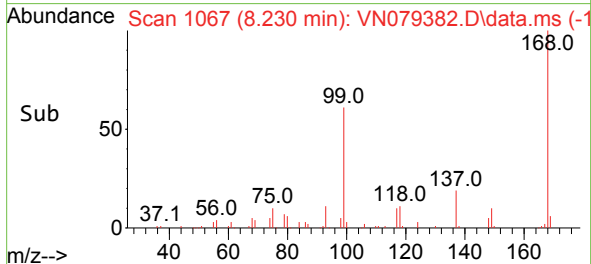
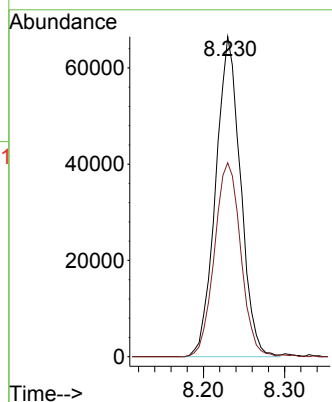
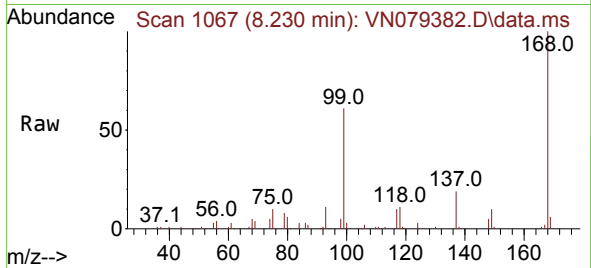




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

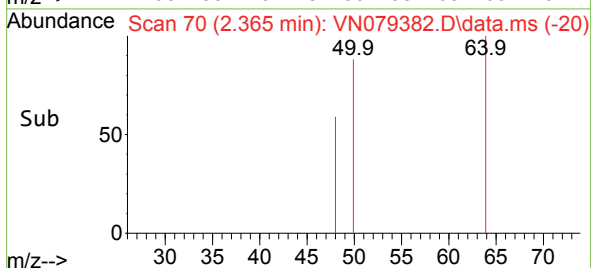
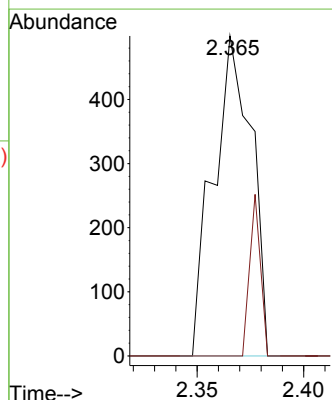
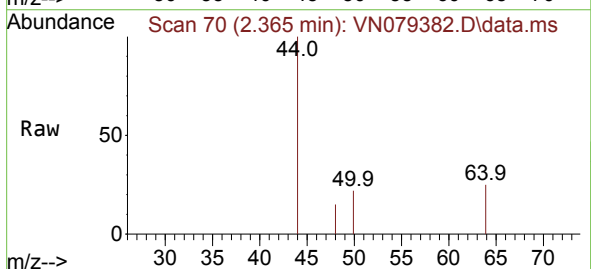
Instrument :
MSVOA_N
ClientSampleId :

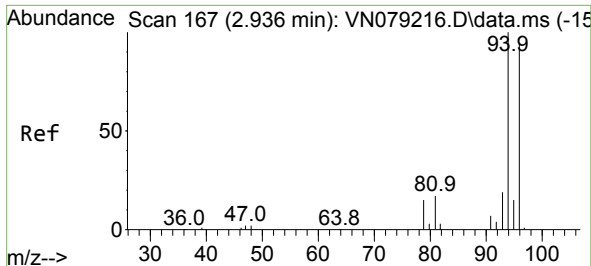
Tgt Ion:168 Resp: 141403
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

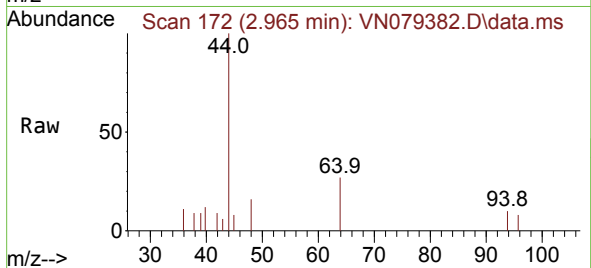
Tgt Ion: 50 Resp: 622
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



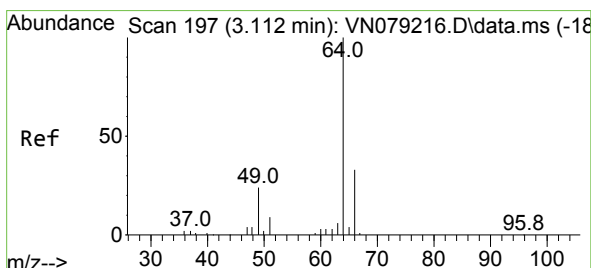
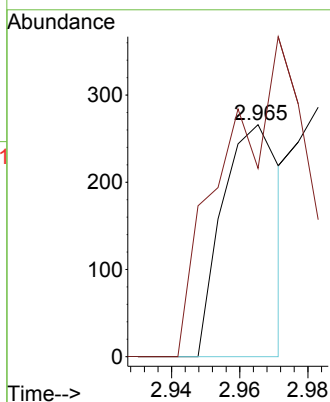
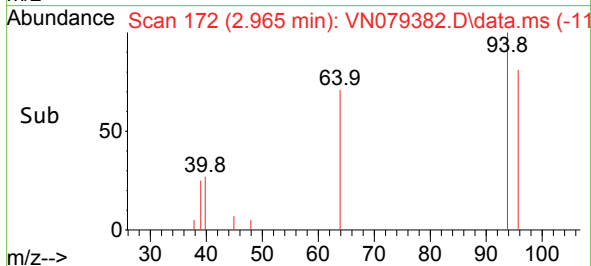


#5
Bromomethane
Concen: 0.272 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

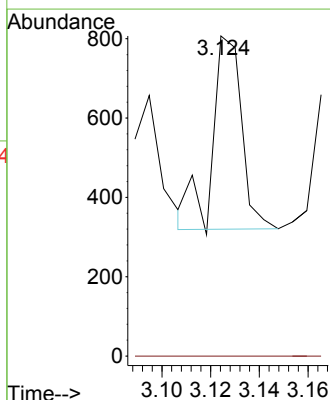
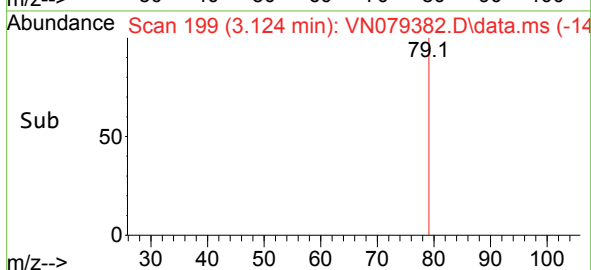
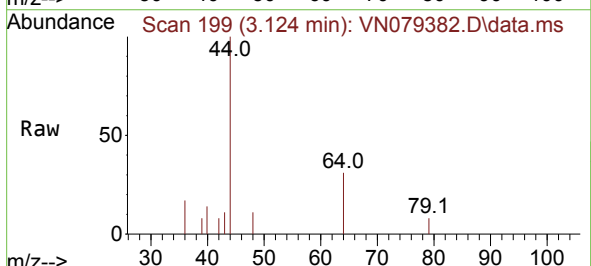


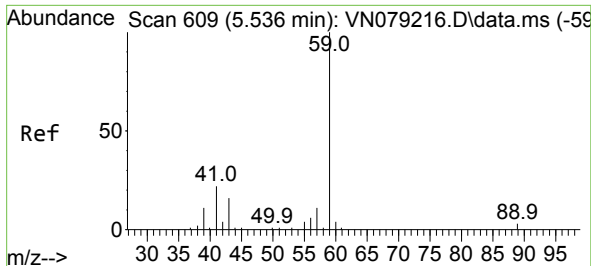
Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 81.2 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

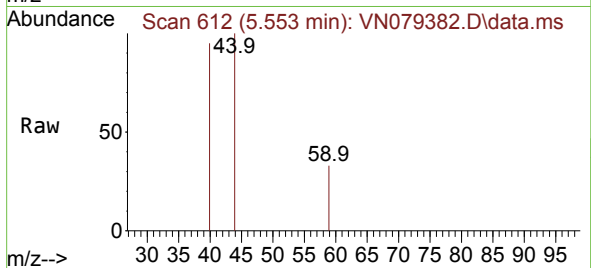
Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



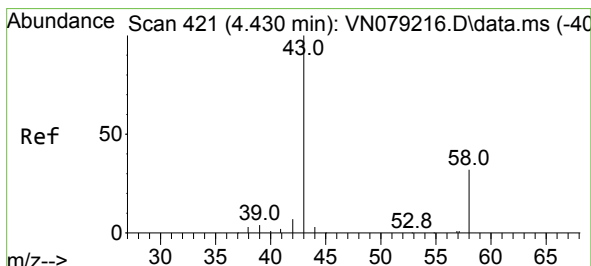
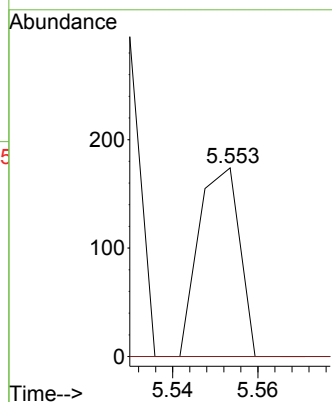
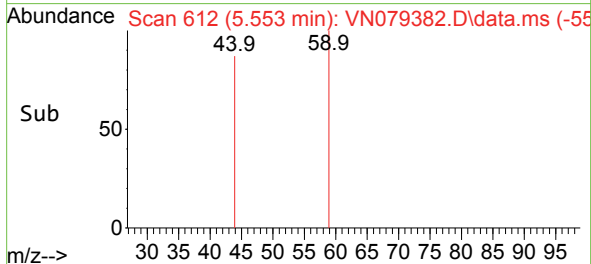


#11
Tert butyl alcohol
Concen: 0.329 ug/l
RT: 5.553 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

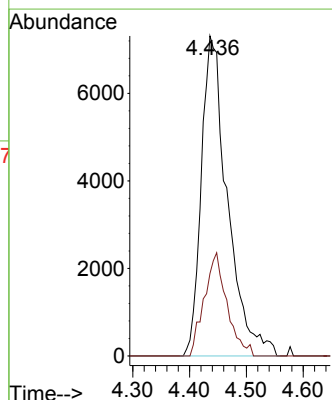
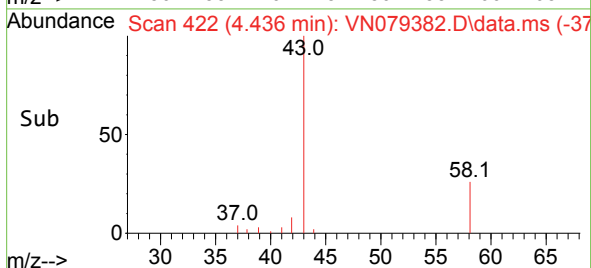
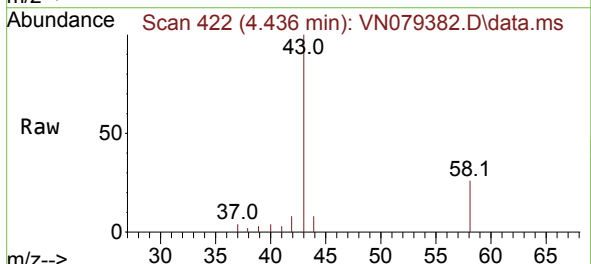


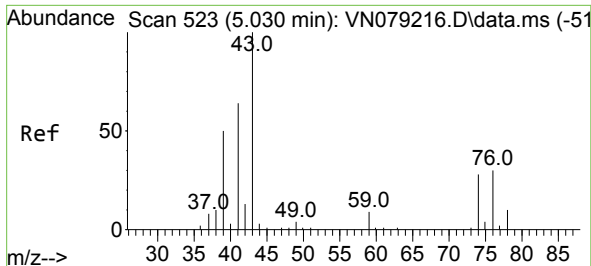
Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 28.850 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 43 Resp: 23388
Ion Ratio Lower Upper
43 100
58 25.8 28.0 42.0#

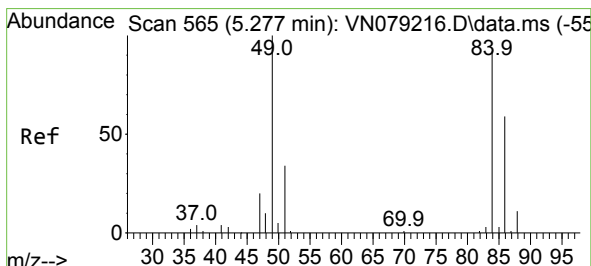
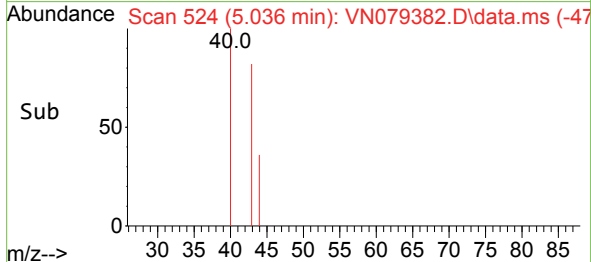
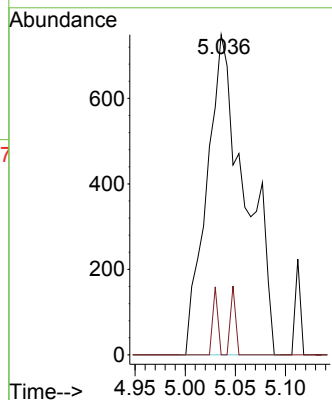
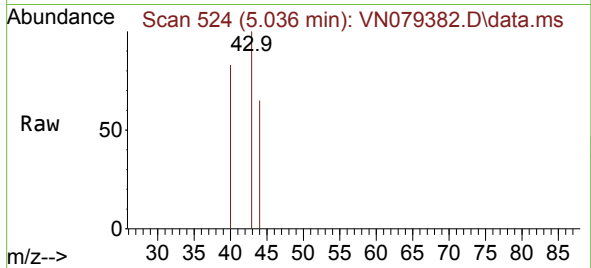




#18
Methyl Acetate
Concen: 0.600 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

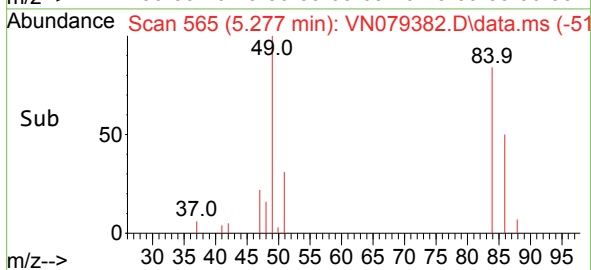
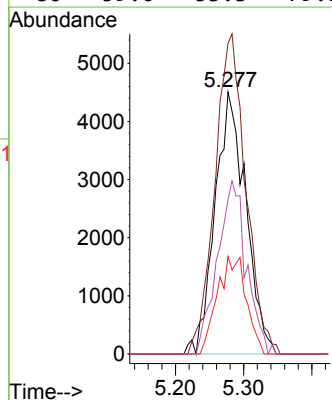
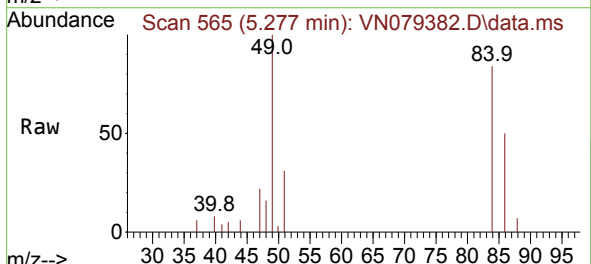
Instrument :
MSVOA_N
ClientSampleId :

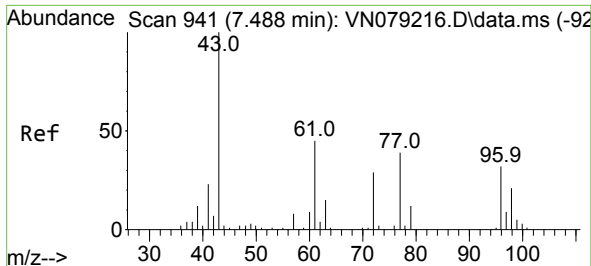
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
74 2.8 26.2 39.4#



#20
Methylene Chloride
Concen: 7.149 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 84 Resp: 14104
Ion Ratio Lower Upper
84 100
49 118.6 79.7 119.5
51 37.2 25.2 37.8
86 59.0 53.3 79.9

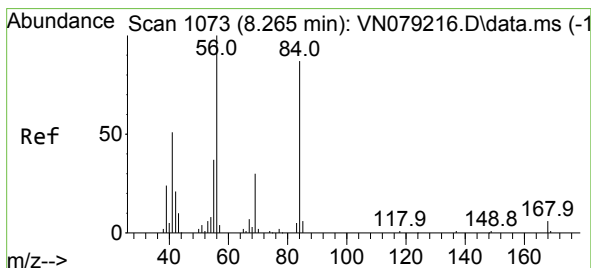
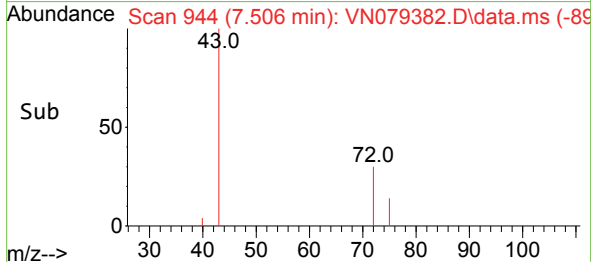
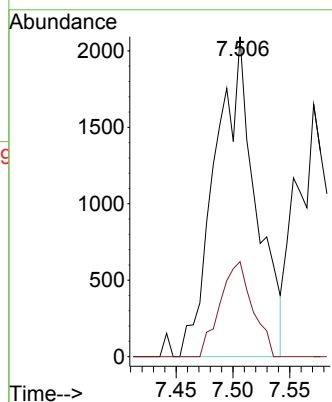
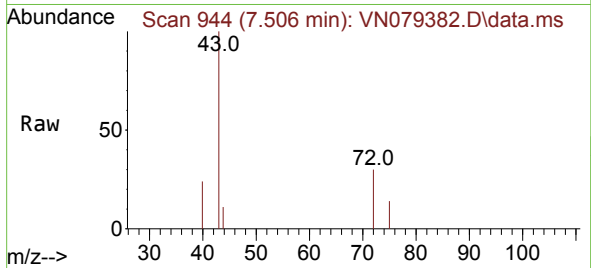




#25
2-Butanone
Concen: 4.412 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

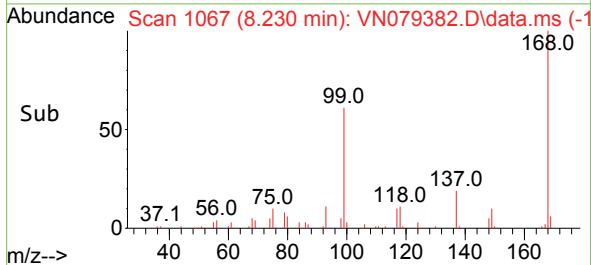
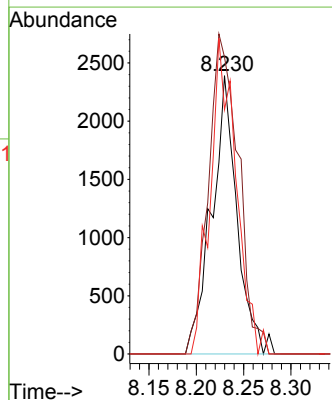
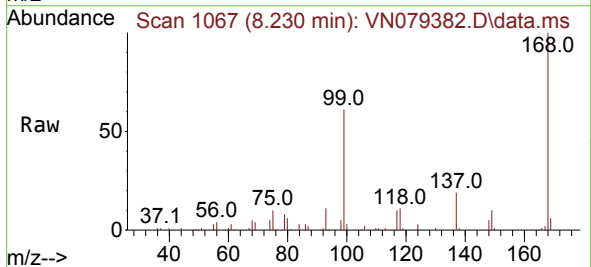
Instrument :
MSVOA_N
ClientSampleId :

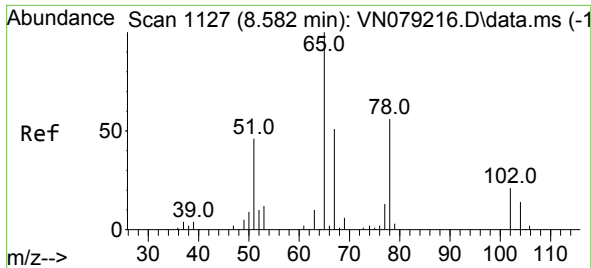
Tgt Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
72 29.7 30.2 45.2#



#31
Cyclohexane
Concen: 1.603 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 56 Resp: 4469
Ion Ratio Lower Upper
56 100
69 106.6 26.8 40.2#
84 87.8 81.8 122.6

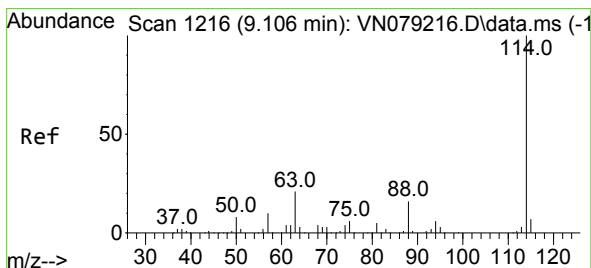
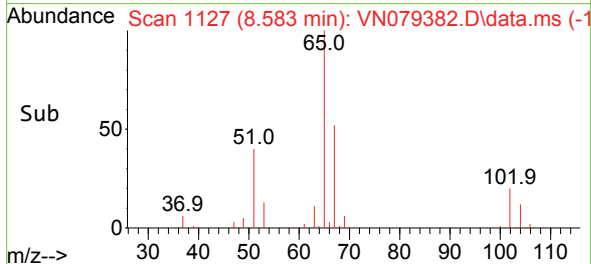
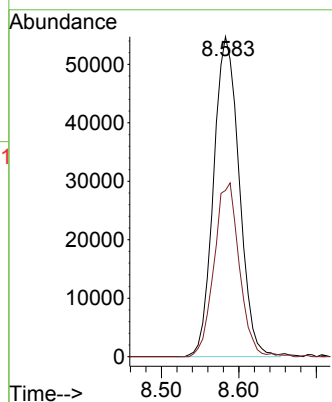
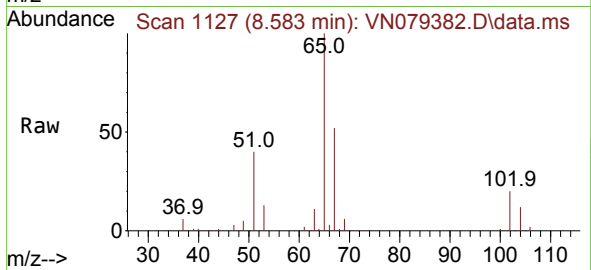




#33
 1,2-Dichloroethane-d4
 Concen: 65.744 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN079382.D
 Acq: 30 Sep 2023 13:22

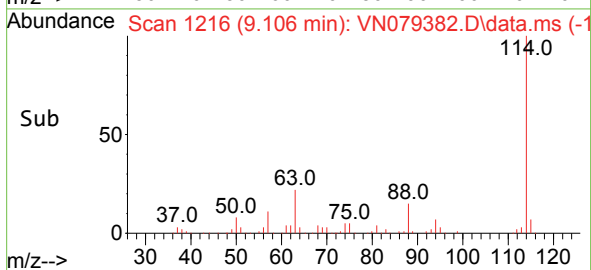
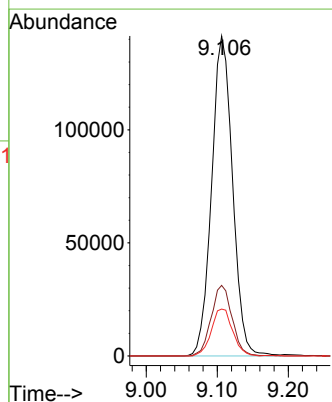
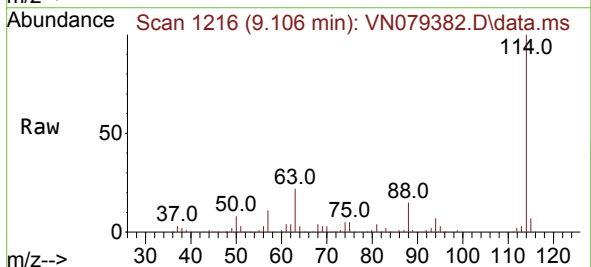
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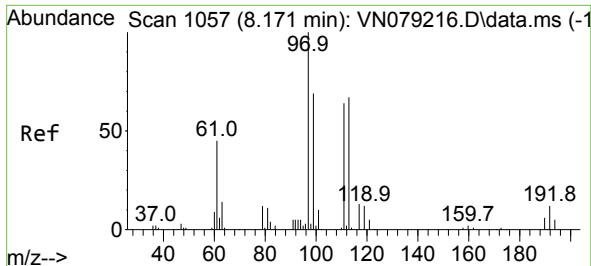
Tgt Ion: 65 Resp: 125492
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.006 min
 Lab File: VN079382.D
 Acq: 30 Sep 2023 13:22

Tgt Ion:114 Resp: 289628
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 36.4
 88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.327 ug/l

RT: 8.171 min Scan# 1067

Delta R.T. -0.000 min

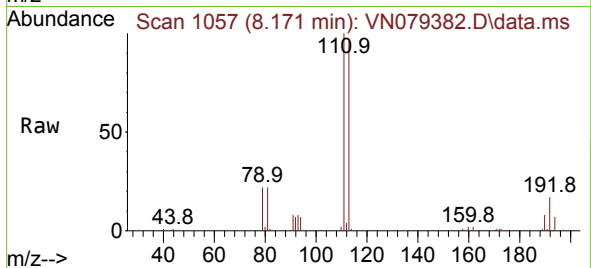
Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

Instrument :

MSVOA_N

ClientSampleId :



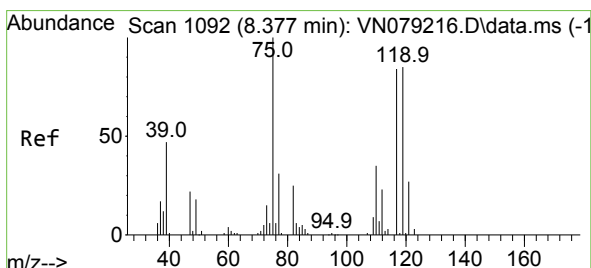
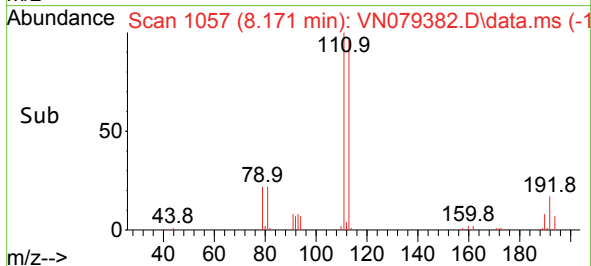
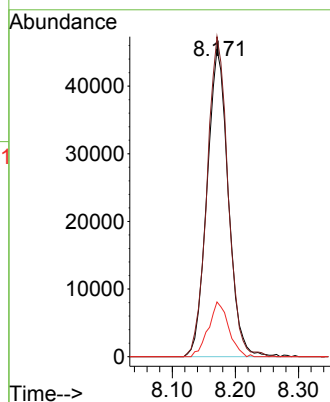
Tgt Ion:113 Resp: 106591

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 16.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

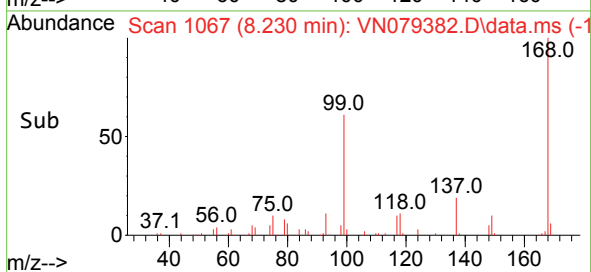
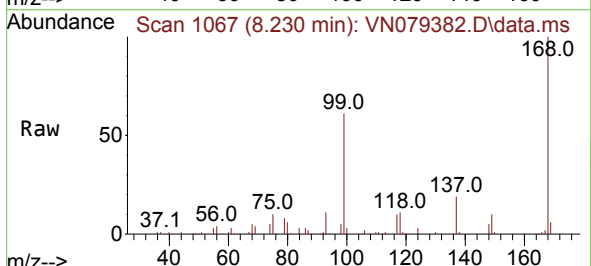
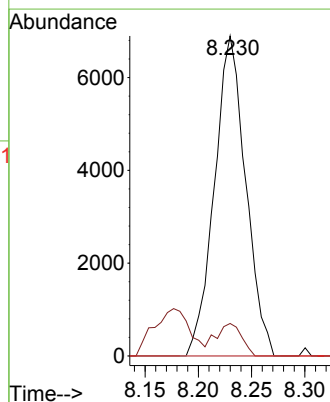
Tgt Ion: 75 Resp: 14076

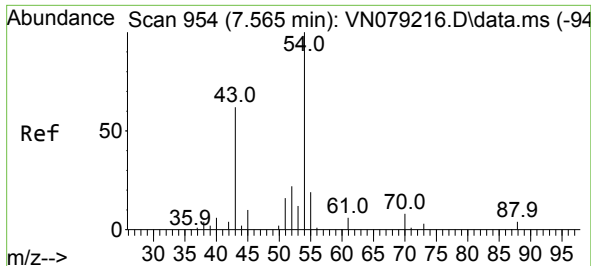
Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

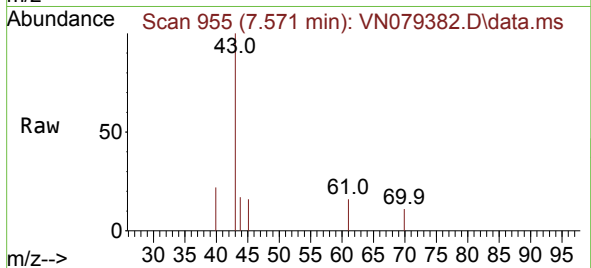
77 0.0 25.0 37.4#



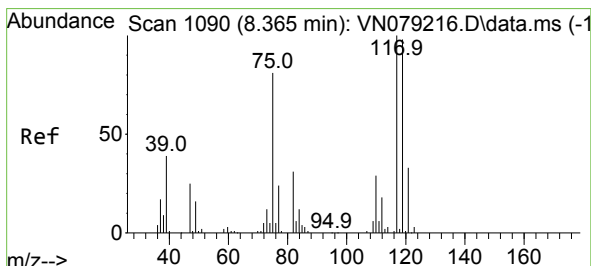
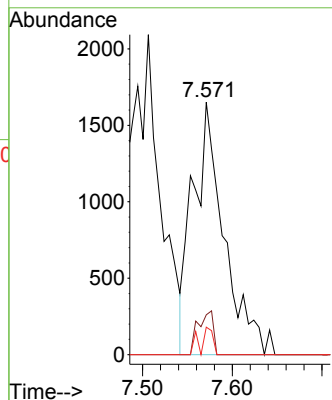
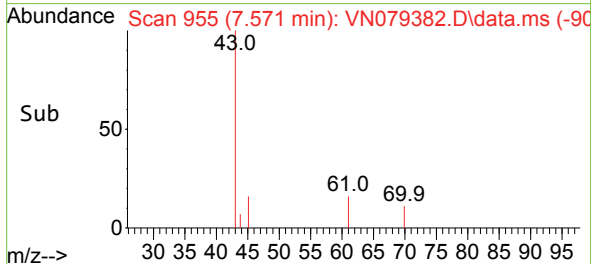


#37
Ethyl Acetate
Concen: 1.351 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

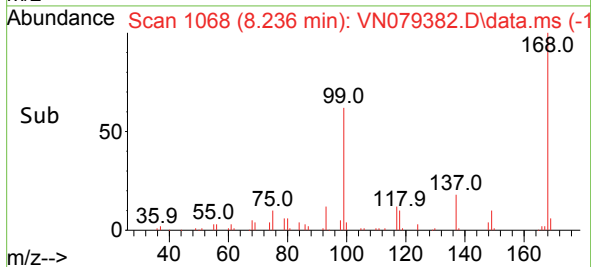
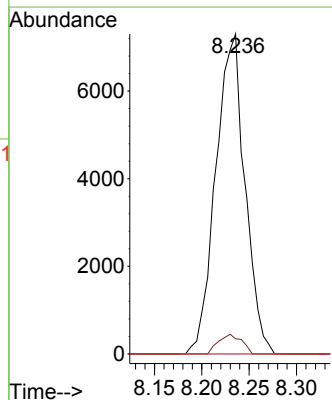
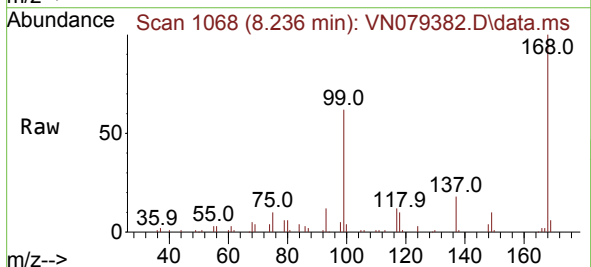


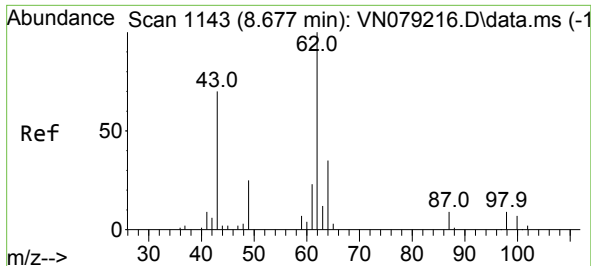
Tgt Ion: 43 Resp: 4002
Ion Ratio Lower Upper
43 100
61 8.4 13.2 19.8#
70 4.3 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 117 Resp: 15654
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.267 ug/l

RT: 8.700 min Scan# 1143

Delta R.T. 0.023 min

Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

Instrument :

MSVOA_N

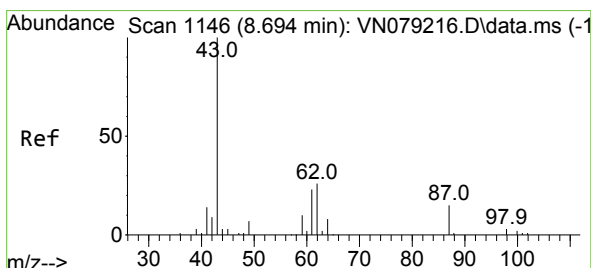
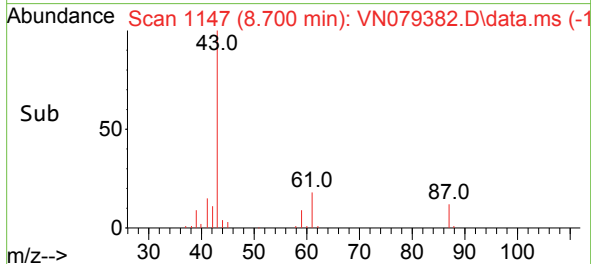
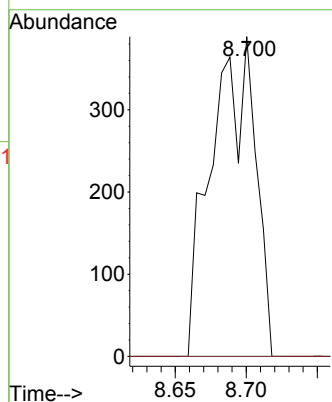
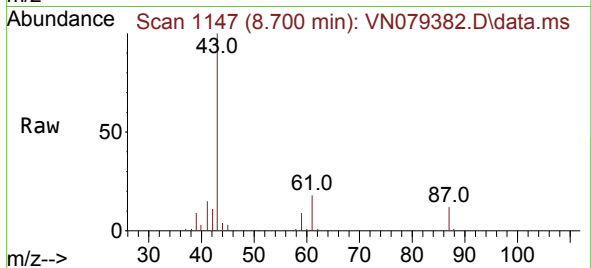
ClientSampleId :

Tgt Ion: 62 Resp: 835

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 27.479 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

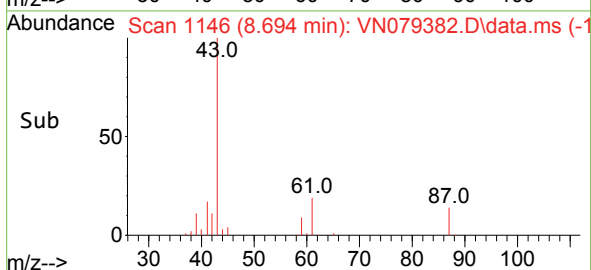
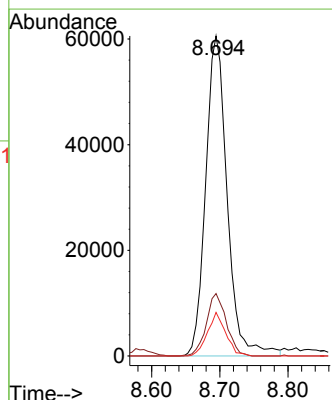
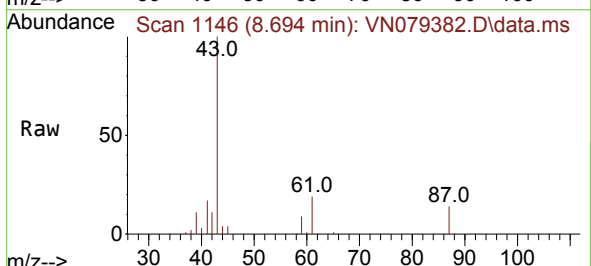
Tgt Ion: 43 Resp: 132803

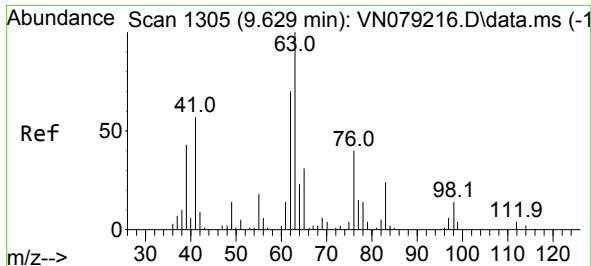
Ion Ratio Lower Upper

43 100

61 18.2 24.7 37.1#

87 11.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.754 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

Instrument :

MSVOA_N

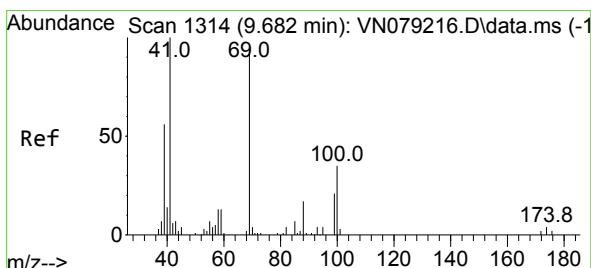
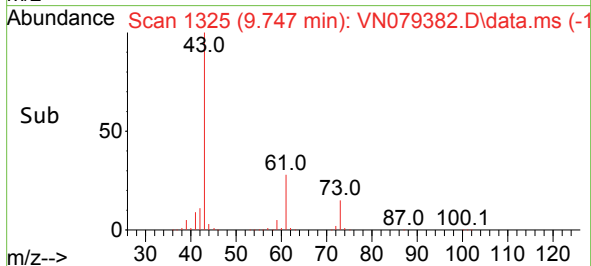
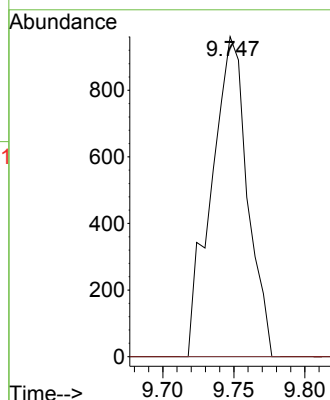
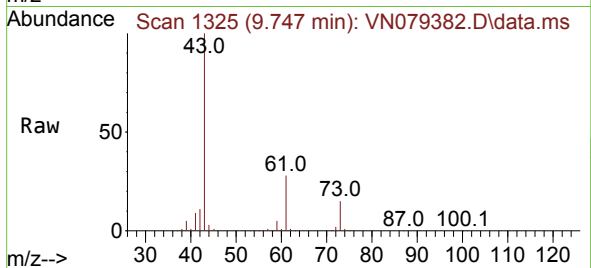
ClientSampleId :

Tgt Ion: 63 Resp: 1702

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 57.637 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079382.D

Acq: 30 Sep 2023 13:22

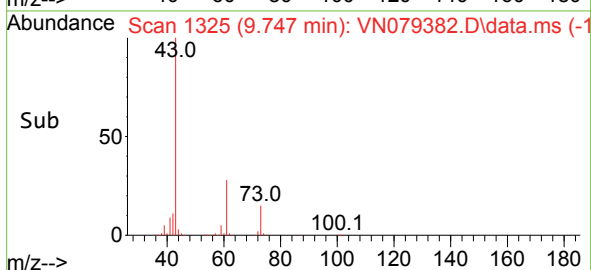
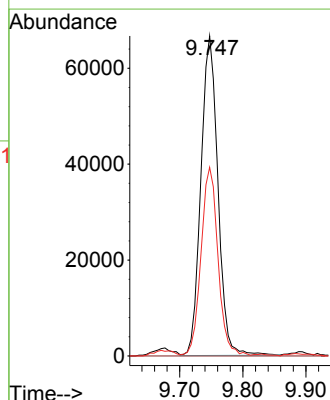
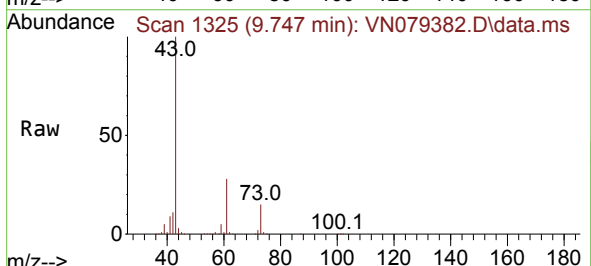
Tgt Ion: 41 Resp: 124770

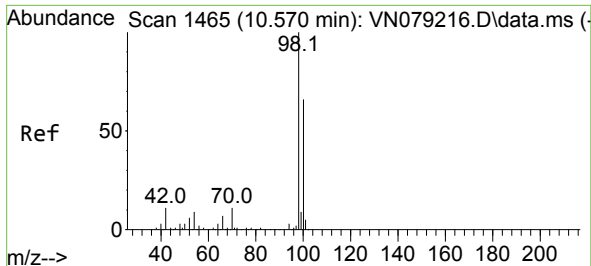
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 58.4 54.6 81.8

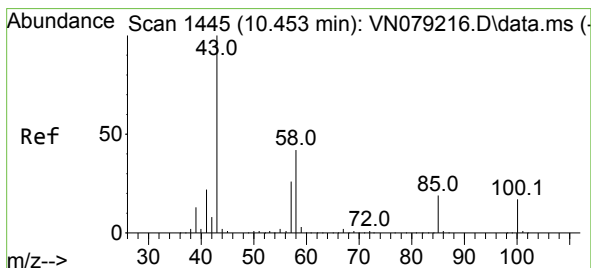
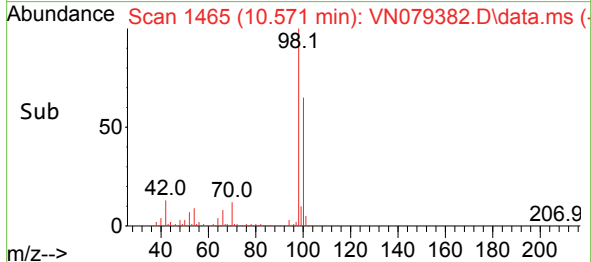
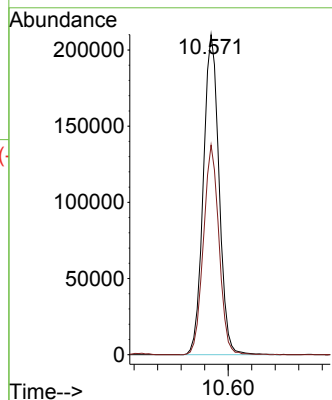
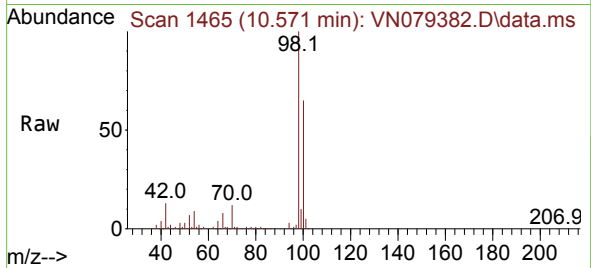




#50
Toluene-d8
Concen: 55.078 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

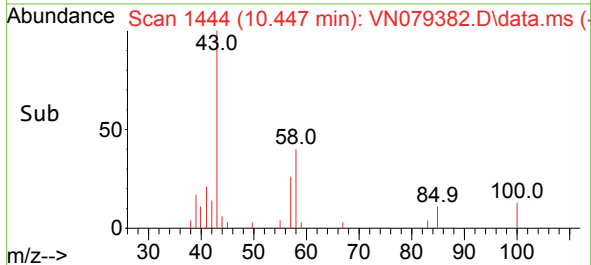
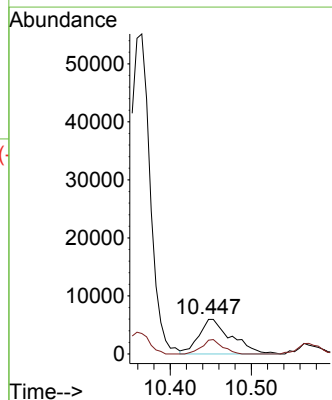
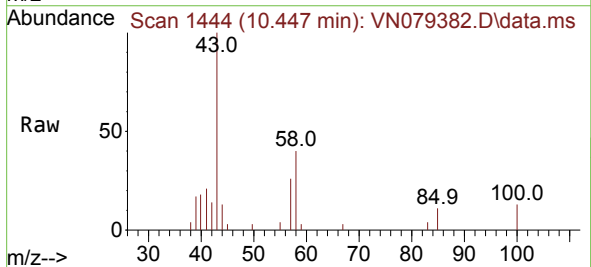
Instrument :
MSVOA_N
ClientSampleId :

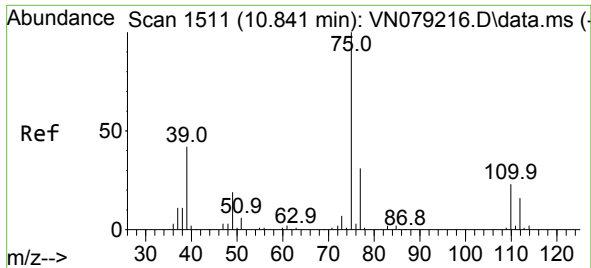
Tgt Ion: 98 Resp: 389621
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.904 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 43 Resp: 16564
Ion Ratio Lower Upper
43 100
58 26.2 36.6 54.8#

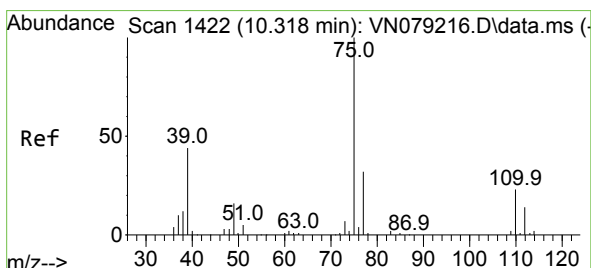
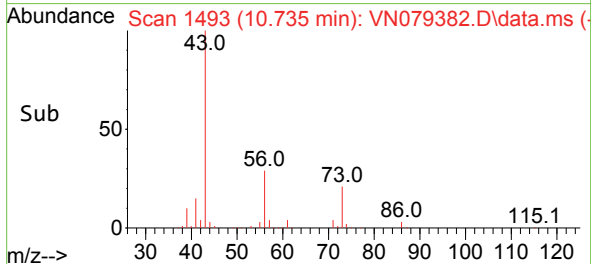
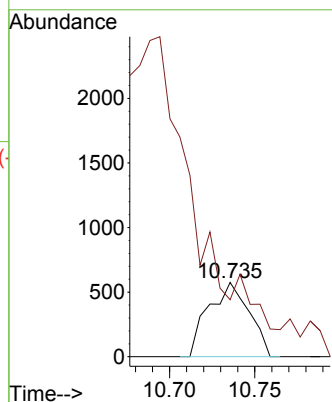
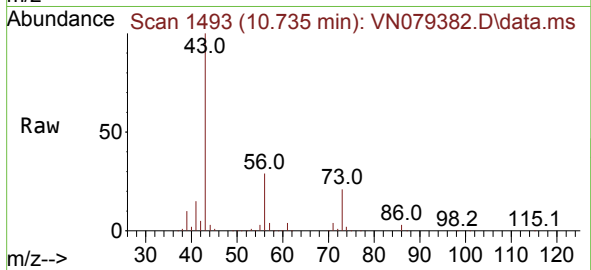




#53
 t-1,3-Dichloropropene
 Concen: 0.289 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN079382.D
 Acq: 30 Sep 2023 13:22

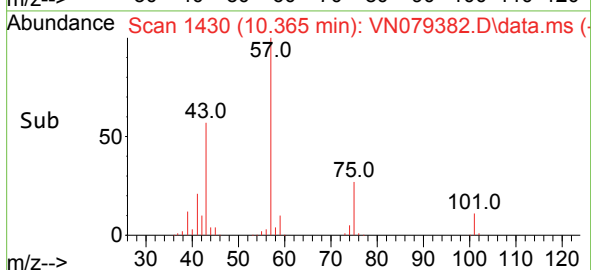
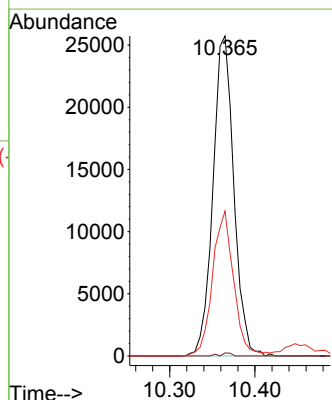
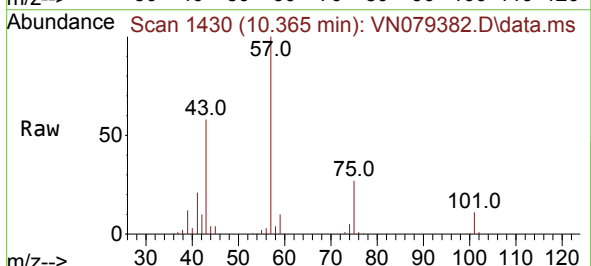
Instrument :
 MSVOA_N
 ClientSampleId :

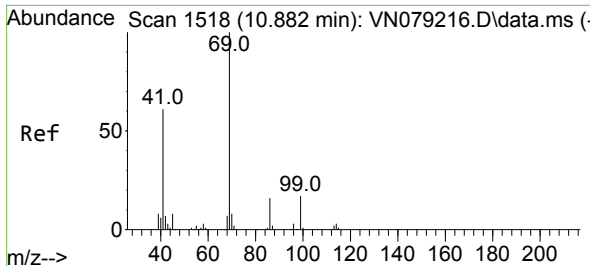
Tgt Ion: 75 Resp: 957
 Ion Ratio Lower Upper
 75 100
 77 40.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.374 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079382.D
 Acq: 30 Sep 2023 13:22

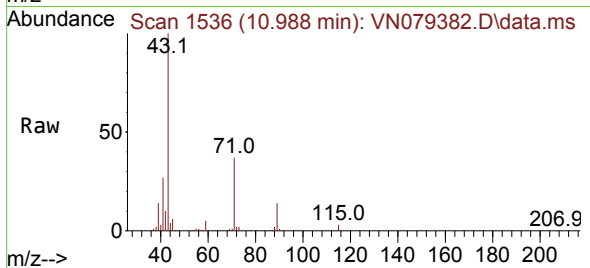
Tgt Ion: 75 Resp: 43777
 Ion Ratio Lower Upper
 75 100
 77 1.0 26.1 39.1#
 39 45.2 31.6 47.4



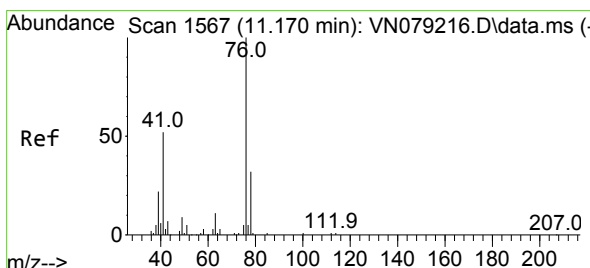
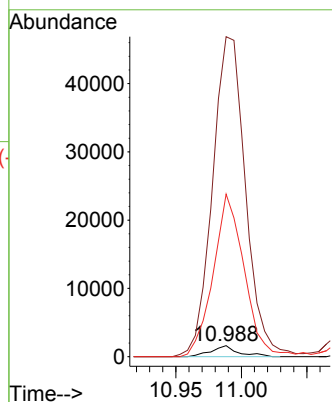
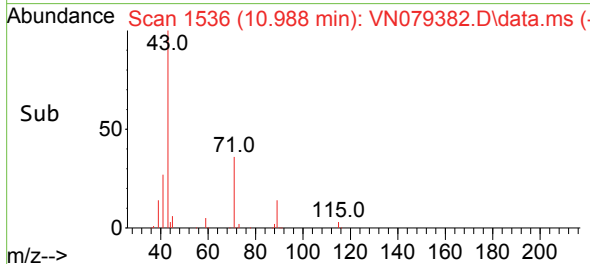


#56
Ethyl methacrylate
Concen: 0.747 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

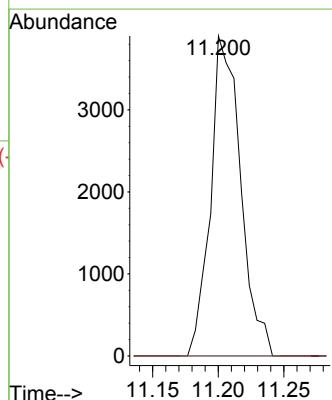
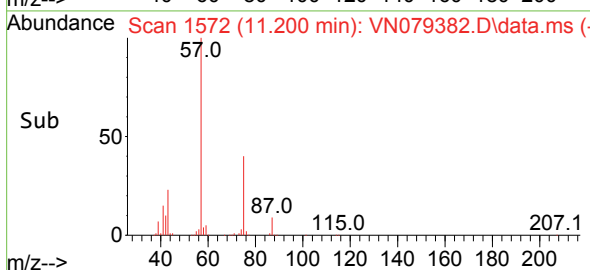
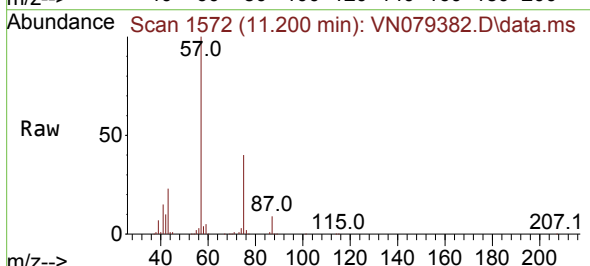


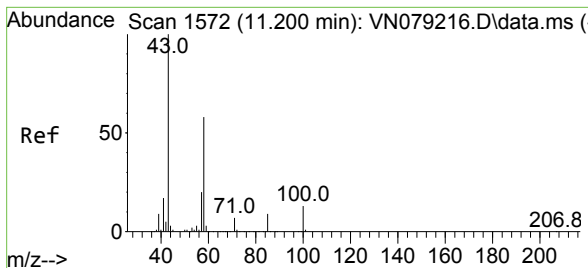
Tgt Ion: 69 Resp: 2312
Ion Ratio Lower Upper
69 100
41 3562.1 39.6 59.4#
39 1691.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.640 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 76 Resp: 6216
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

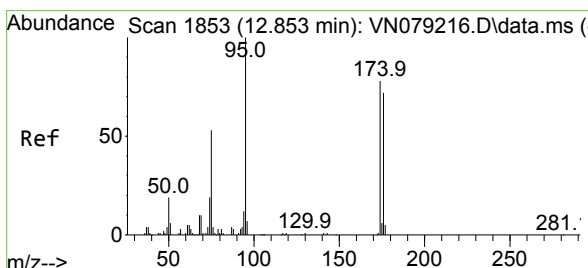
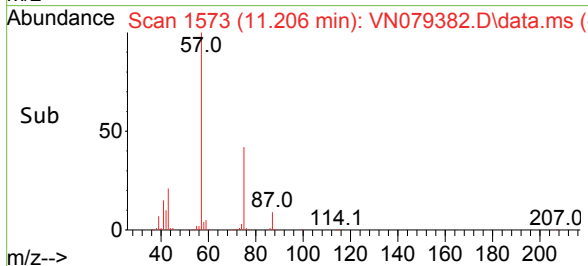
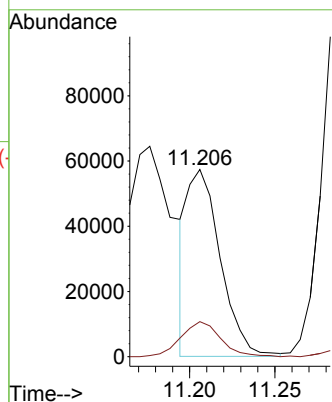
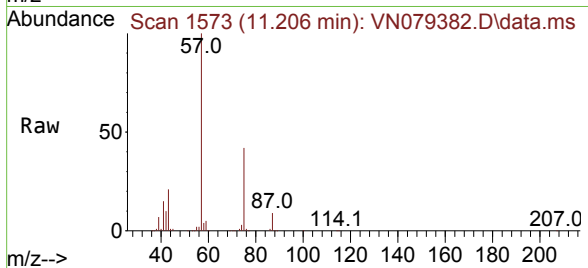




#59
2-Hexanone
Concen: 38.129 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

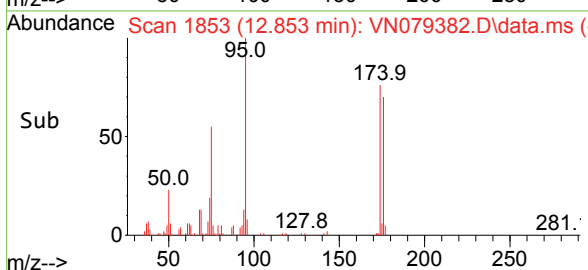
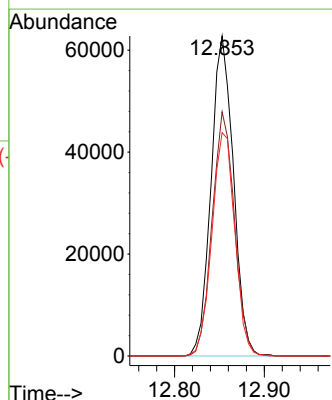
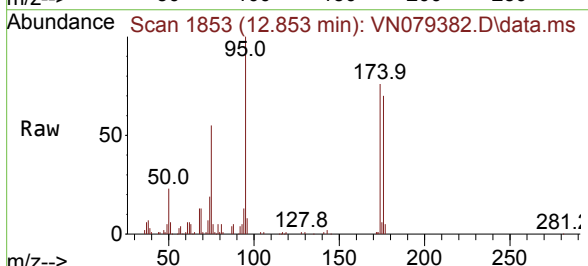
Instrument :
MSVOA_N
ClientSampleId :

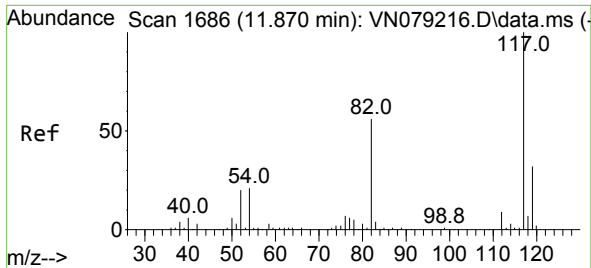
Tgt Ion: 43 Resp: 77476
Ion Ratio Lower Upper
43 100
58 22.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.120 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

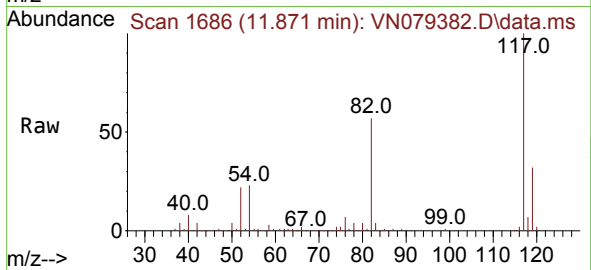
Tgt Ion: 95 Resp: 108581
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 71.7 0.0 135.8



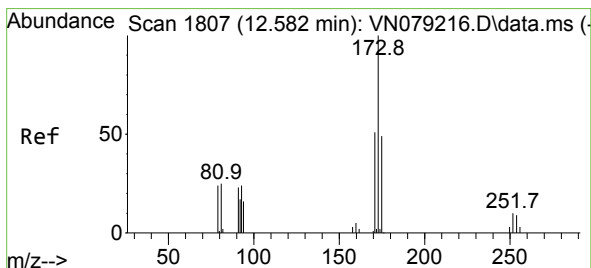
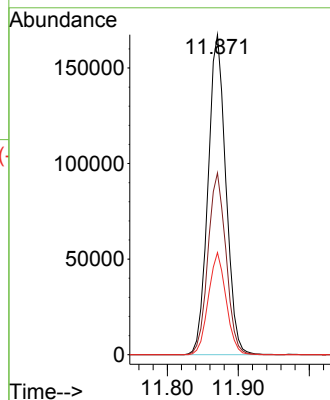
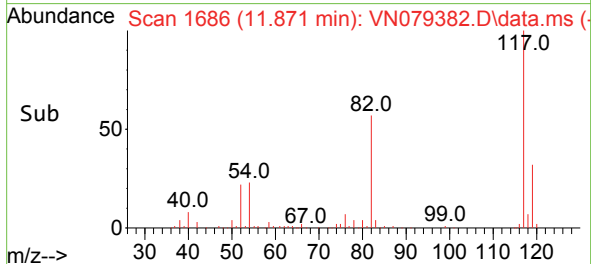


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

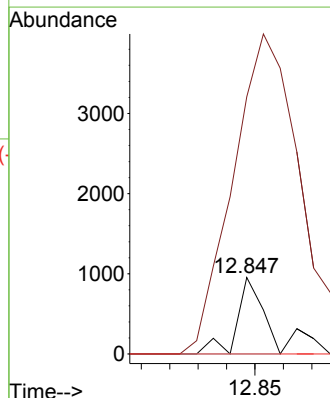
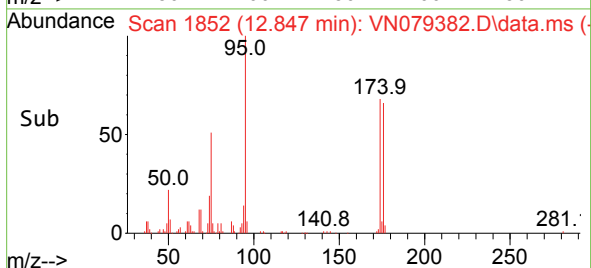
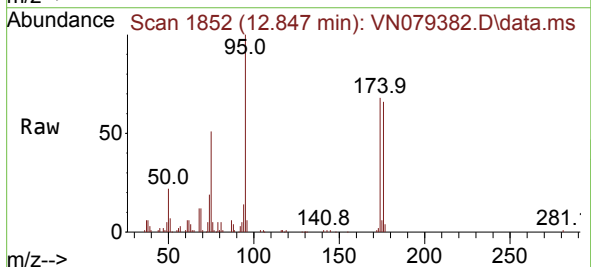


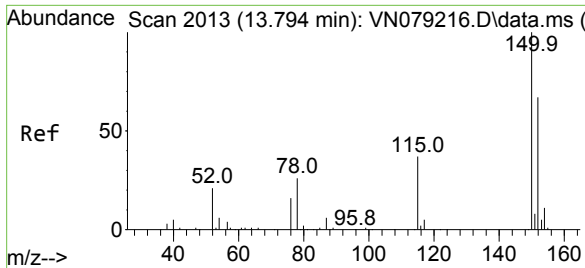
Tgt Ion:117 Resp: 291967
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.327 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

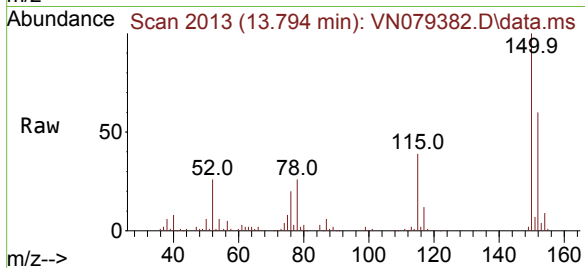
Tgt Ion:173 Resp: 599
Ion Ratio Lower Upper
173 100
175 823.9 24.3 73.0#
254 0.0 0.0 0.0



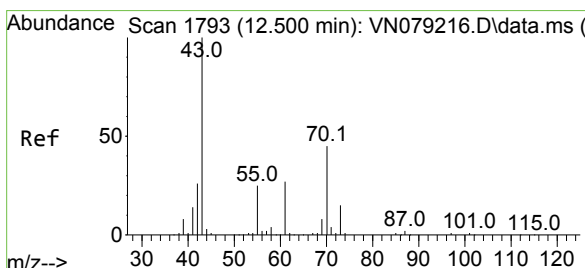
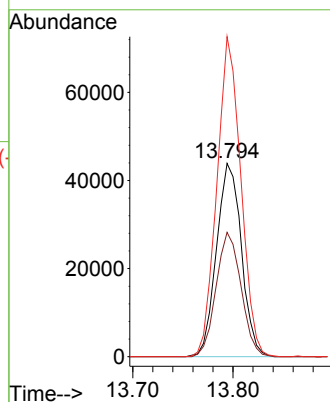
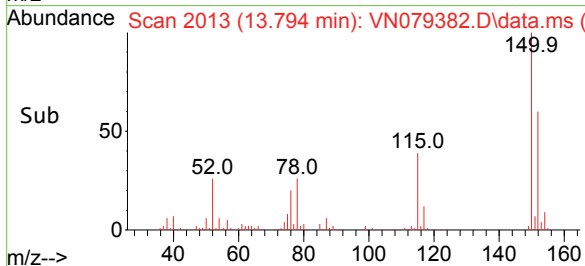


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

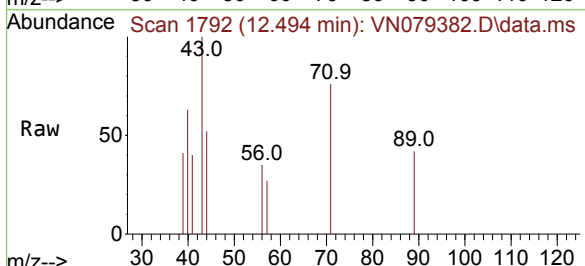
Instrument :
MSVOA_N
ClientSampleId :



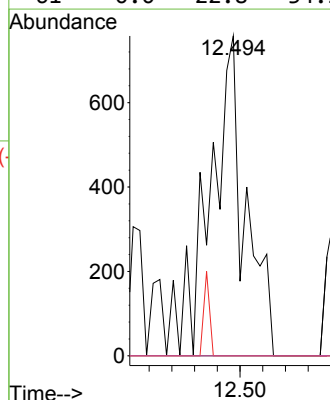
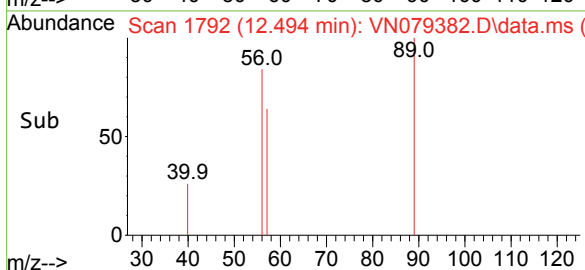
Tgt Ion:152 Resp: 75737
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 159.4 0.0 355.8

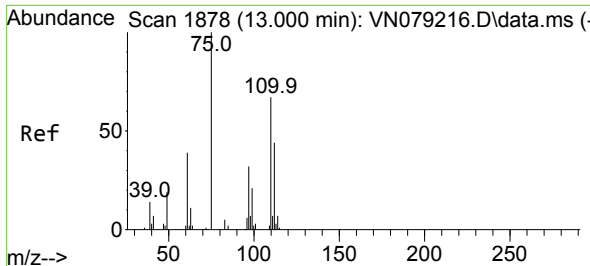


#74
N-ethyl acetate
Concen: 0.609 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22



Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

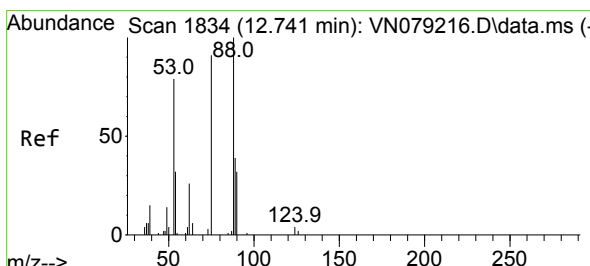
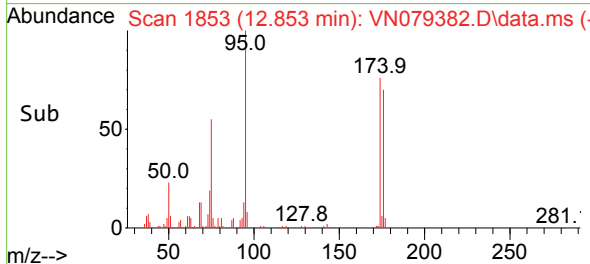
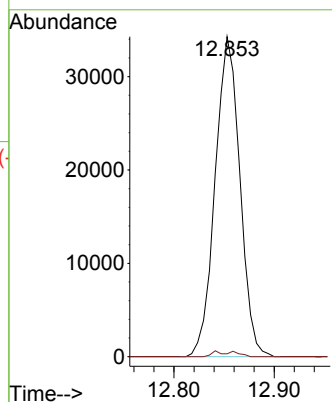
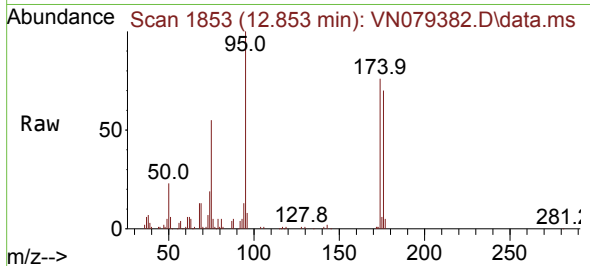




#76
1,2,3-Trichloropropane
Concen: 28.792 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

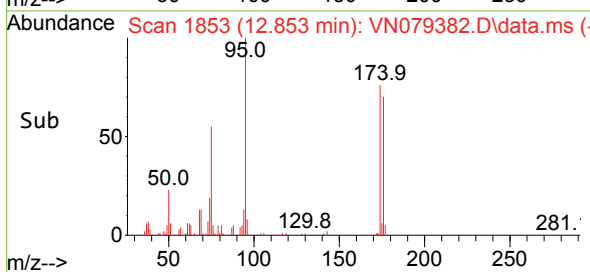
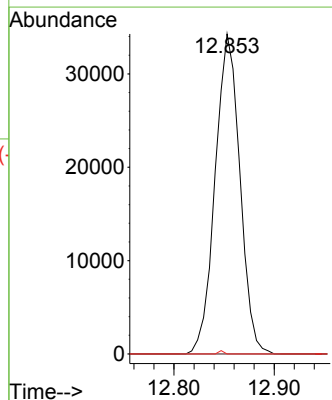
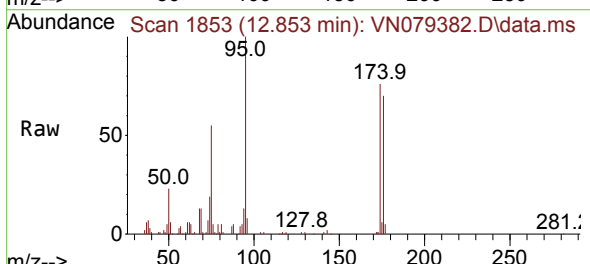
Instrument :
MSVOA_N
ClientSampleId :

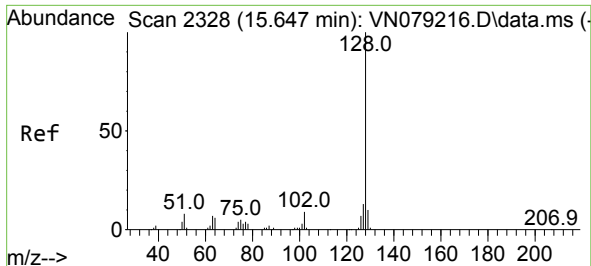
Tgt Ion: 75 Resp: 58770
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.155 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion: 75 Resp: 58770
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#

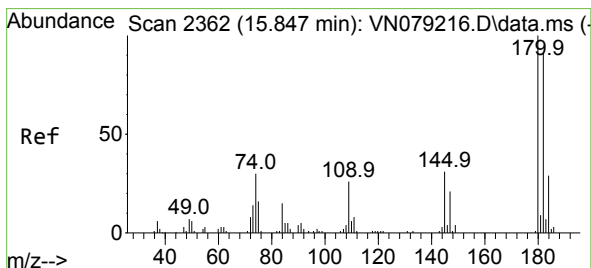
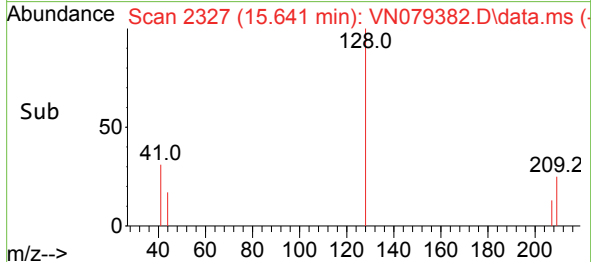
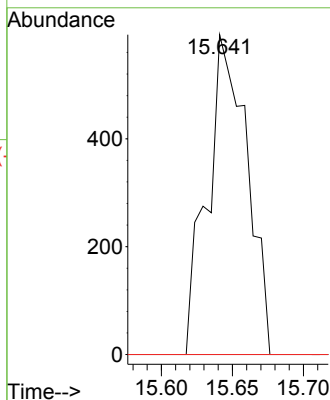
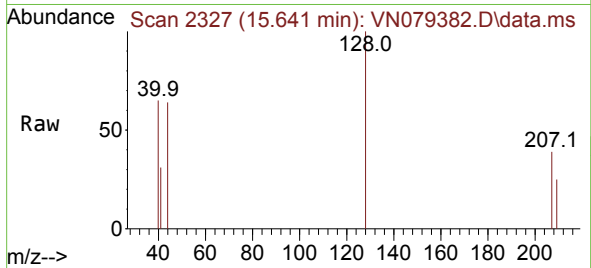




#95
Naphthalene
Concen: 0.382 ug/l
RT: 15.641 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1151
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.321 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079382.D
Acq: 30 Sep 2023 13:22

Tgt Ion:180 Resp: 385
Ion Ratio Lower Upper
180 100
182 26.2 46.2 138.6#
145 0.0 17.5 52.6#

