

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079544.D
 Acq On : 12 Oct 2023 14:47
 Operator : JC\MD
 Sample : 04844-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:19:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

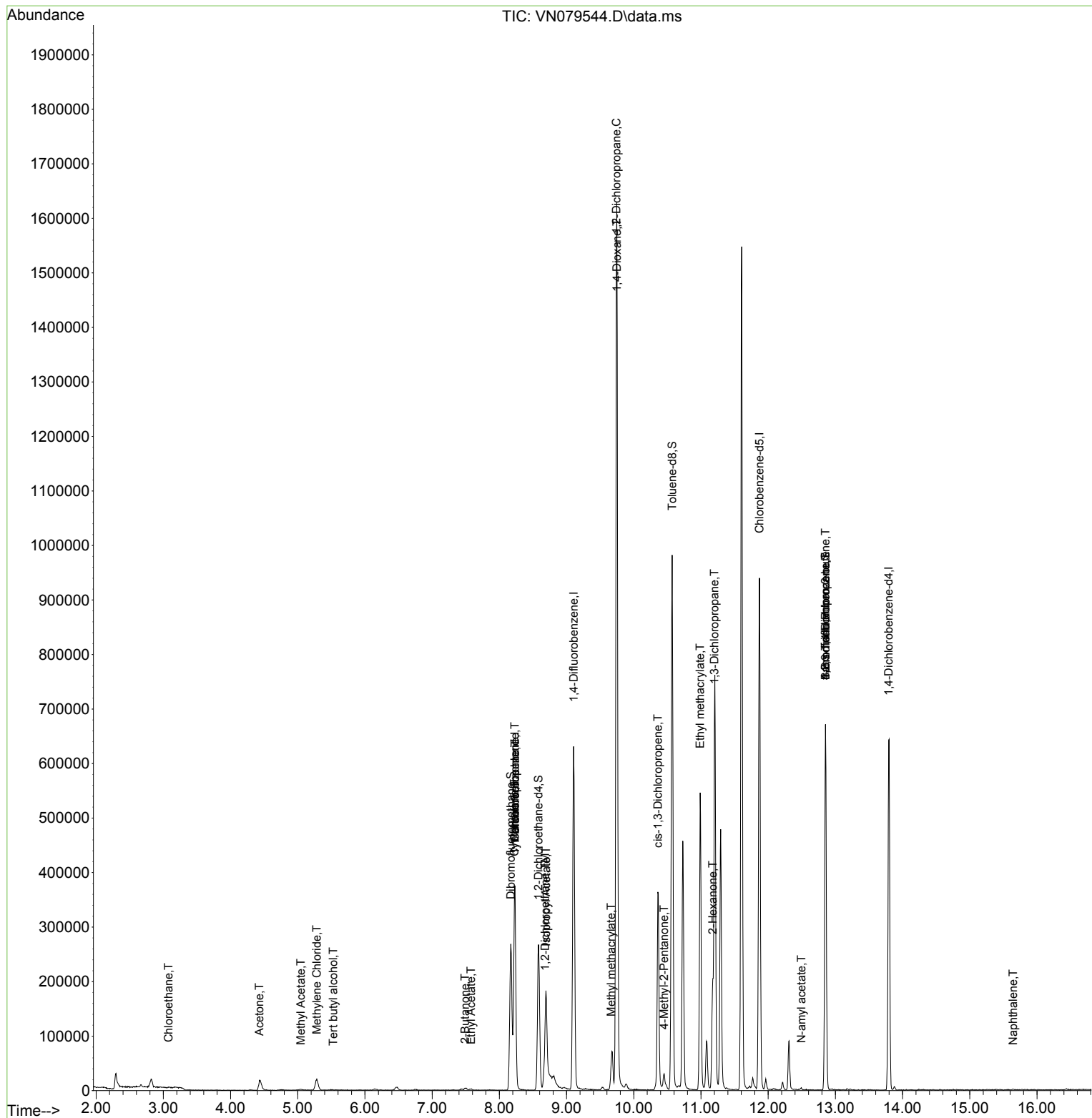
Internal Standards						
1) Pentafluorobenzene	8.230	168	261632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	525466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	524778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218324	51.465	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.940%	
35) Dibromofluoromethane	8.171	113	193304	51.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.380%	
50) Toluene-d8	10.571	98	651167	47.658	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.320%	
62) 4-Bromofluorobenzene	12.853	95	215891	49.236	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.480%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.077	64	1301	0.355	ug/l #	43
11) Tert butyl alcohol	5.530	59	231	0.362	ug/l #	72
16) Acetone	4.430	43	34775	20.668	ug/l	94
18) Methyl Acetate	5.047	43	3373	0.410	ug/l #	74
20) Methylene Chloride	5.283	84	15410	3.624	ug/l #	90
25) 2-Butanone	7.488	43	6550	2.623	ug/l #	70
31) Cyclohexane	8.224	56	7204	1.197	ug/l #	46
36) 1,1-Dichloropropene	8.235	75	23632	4.170	ug/l #	49
37) Ethyl Acetate	7.577	43	4024	0.714	ug/l #	69
38) Carbon Tetrachloride	8.230	117	28743	5.066	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1549	0.253	ug/l #	73
43) Isopropyl Acetate	8.694	43	236984	23.986	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1916	0.432	ug/l #	45
48) Methyl methacrylate	9.665	41	4812	1.137	ug/l #	29
49) 1,4-Dioxane	9.747	88	133	1.705	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	25957	4.654	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	62487	9.587	ug/l #	73
56) Ethyl methacrylate	10.988	69	2837	0.519	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7391	1.076	ug/l #	42
59) 2-Hexanone	11.176	43	141405	35.135	ug/l #	19
71) Bromoform	12.853	173	1652	0.527	ug/l #	1
74) N-amyl acetate	12.494	43	2644	0.409	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.865	83	139	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	121778	24.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121778	72.256	ug/l #	15
95) Naphthalene	15.647	128	1407	0.249	ug/l #	75

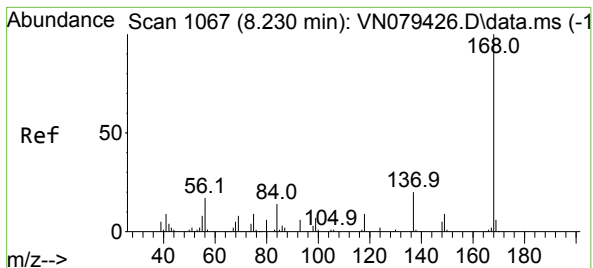
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
Data File : VN079544.D
Acq On : 12 Oct 2023 14:47
Operator : JC\MD
Sample : 04844-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 13 01:19:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

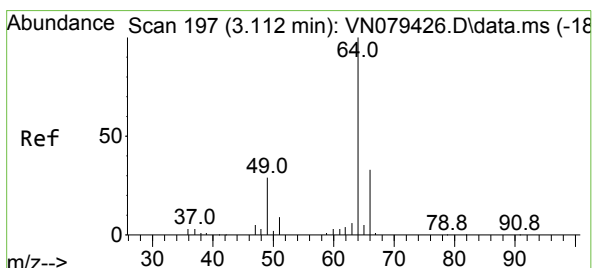
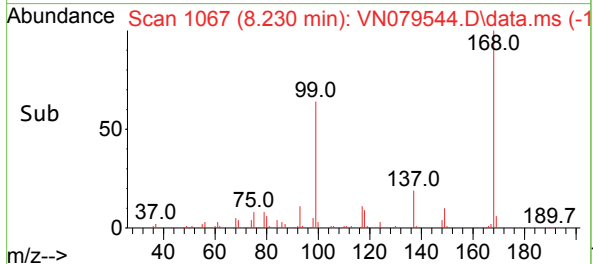
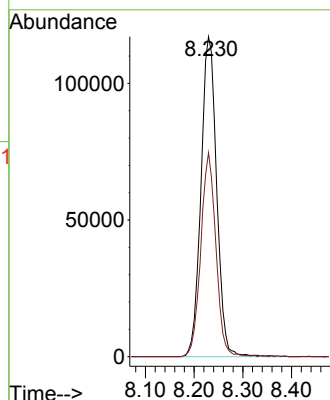
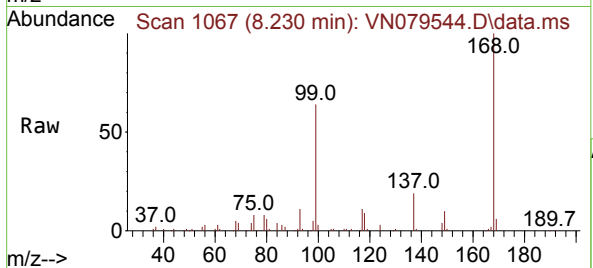
ClientSampleId :

Tgt Ion:168 Resp: 261632

Ion Ratio Lower Upper

168 100

99 63.7 53.0 79.6



#6

Chloroethane

Concen: 0.355 ug/l

RT: 3.077 min Scan# 191

Delta R.T. -0.035 min

Lab File: VN079544.D

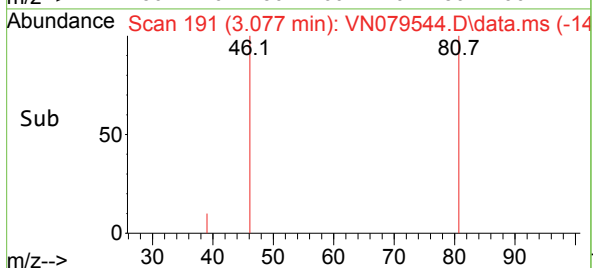
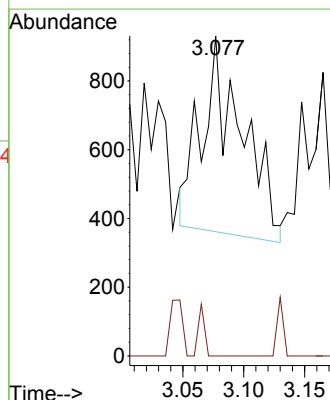
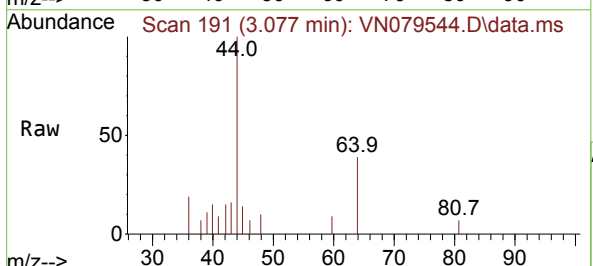
Acq: 12 Oct 2023 14:47

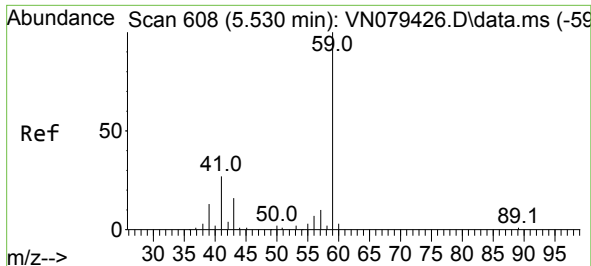
Tgt Ion: 64 Resp: 1301

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

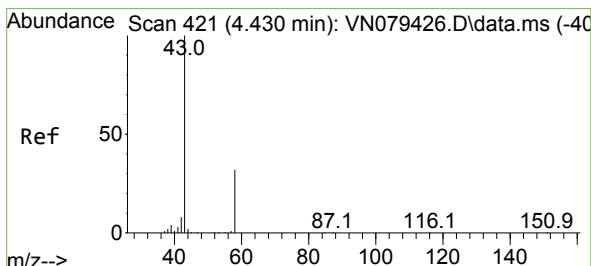
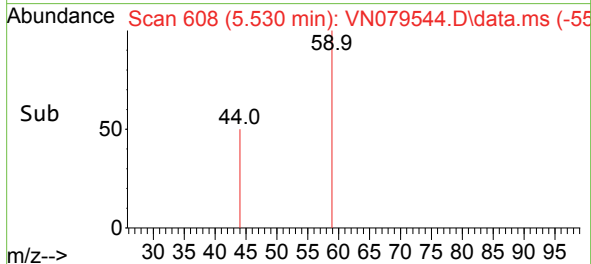
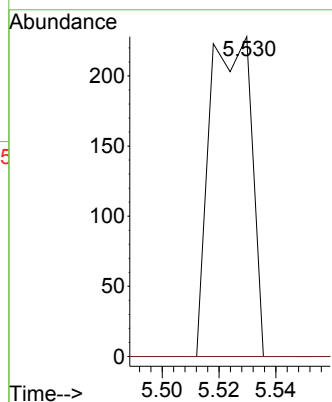
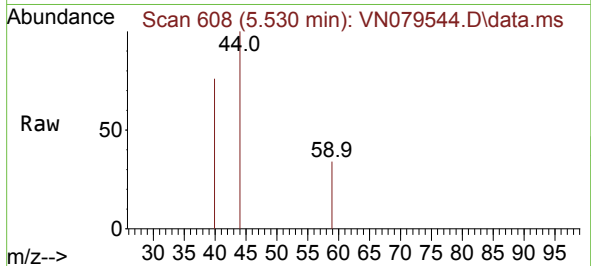




#11
Tert butyl alcohol
Concen: 0.362 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

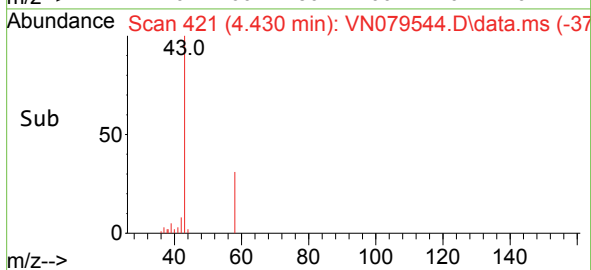
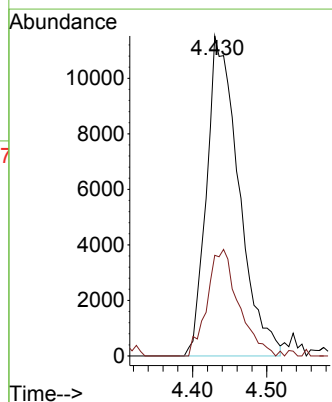
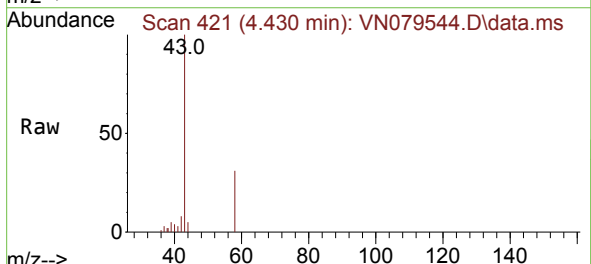
Instrument :
MSVOA_N
ClientSampleId :

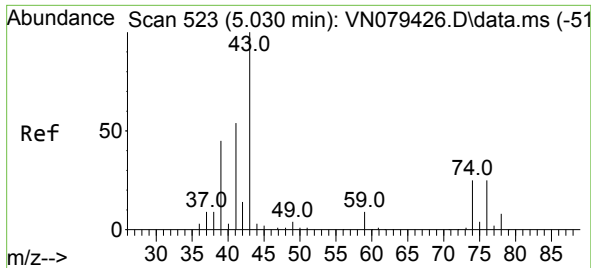
Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 20.668 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion: 43 Resp: 34775
Ion Ratio Lower Upper
43 100
58 31.4 28.0 42.0

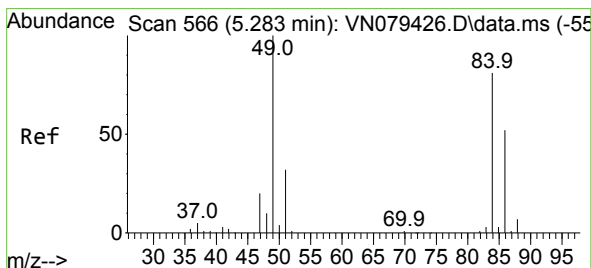
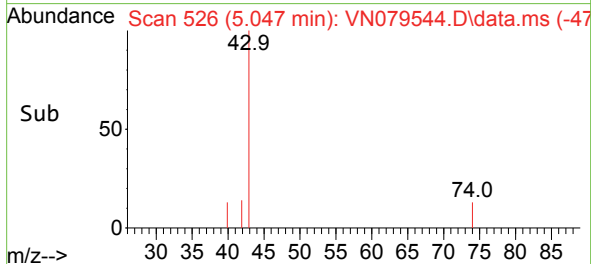
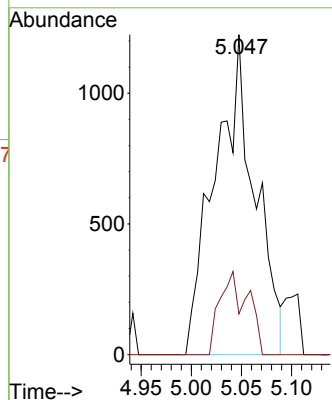
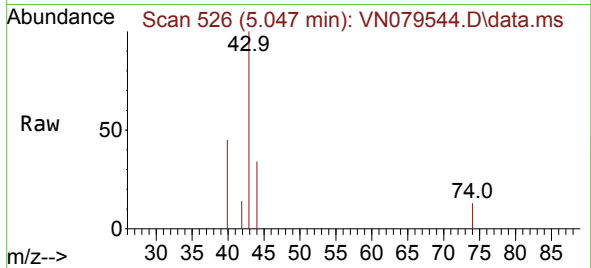




#18
Methyl Acetate
Concen: 0.410 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

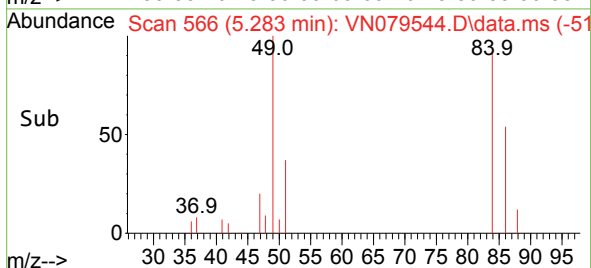
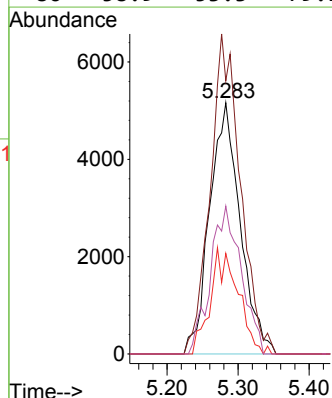
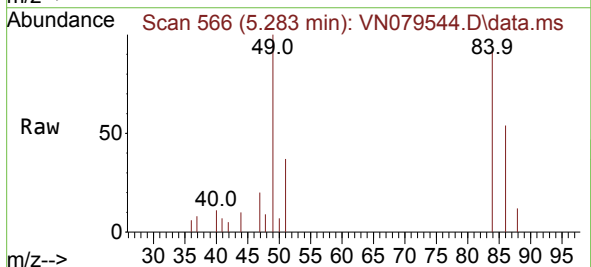
Instrument :
MSVOA_N
ClientSampleId :

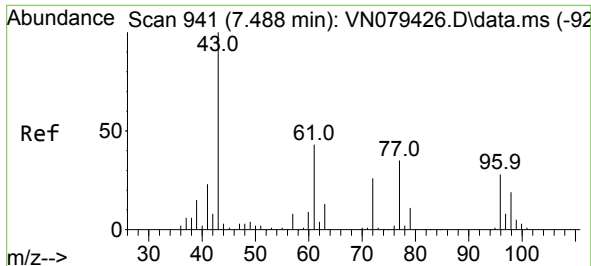
Tgt Ion: 43 Resp: 3373
Ion Ratio Lower Upper
43 100
74 18.1 26.2 39.4#



#20
Methylene Chloride
Concen: 3.624 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion: 84 Resp: 15410
Ion Ratio Lower Upper
84 100
49 108.7 79.7 119.5
51 40.0 25.2 37.8#
86 58.9 53.3 79.9

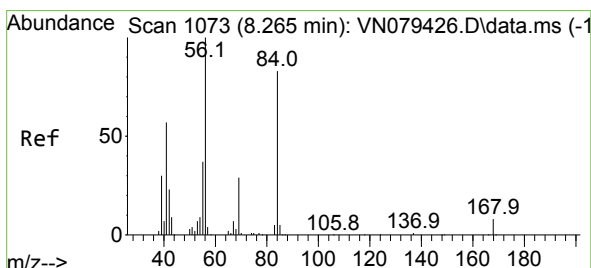
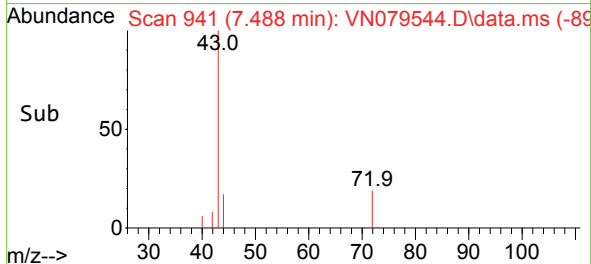
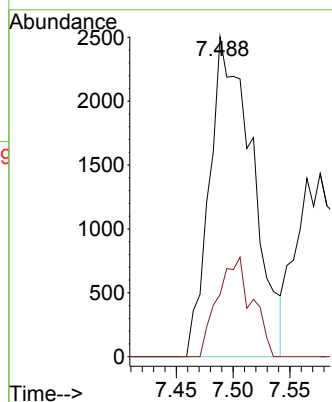
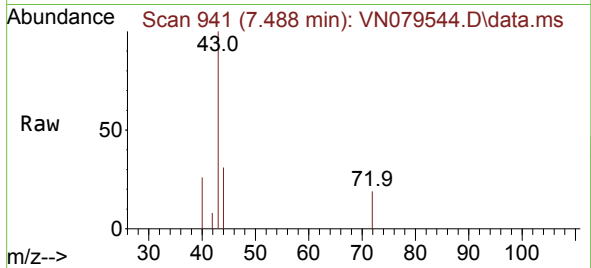




#25
2-Butanone
Concen: 2.623 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

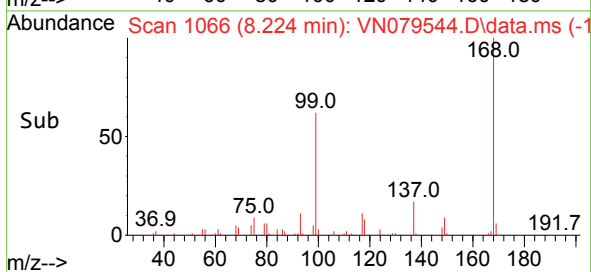
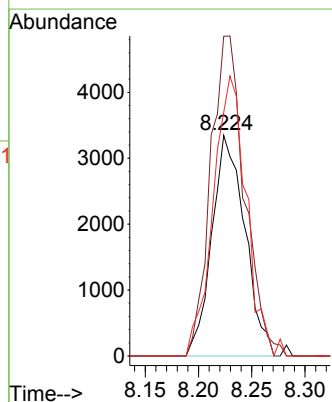
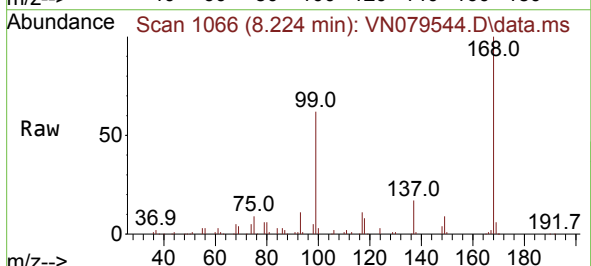
Instrument :
MSVOA_N
ClientSampleId :

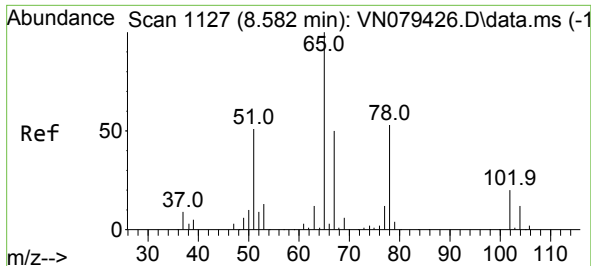
Tgt Ion: 43 Resp: 6550
Ion Ratio Lower Upper
43 100
72 19.5 30.2 45.2#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion: 56 Resp: 7204
Ion Ratio Lower Upper
56 100
69 144.9 26.8 40.2#
84 110.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.465 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

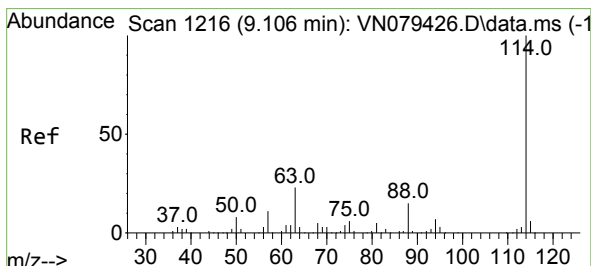
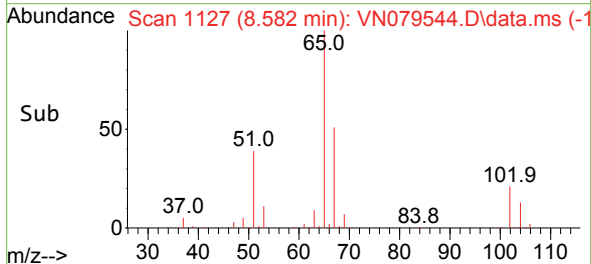
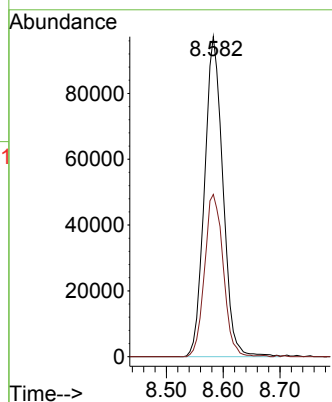
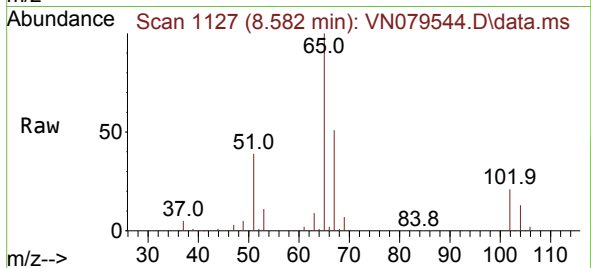
ClientSampleId :

Tgt Ion: 65 Resp: 218324

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

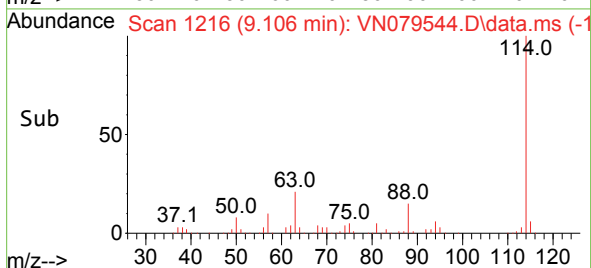
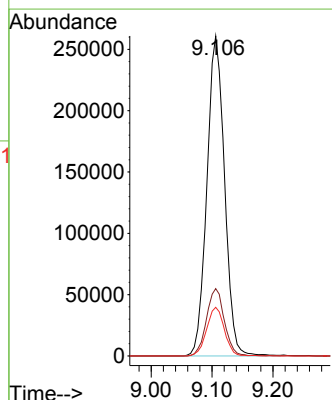
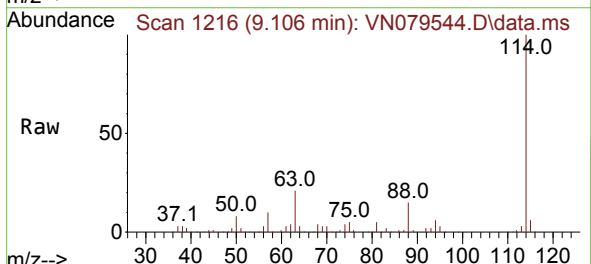
Tgt Ion: 114 Resp: 525466

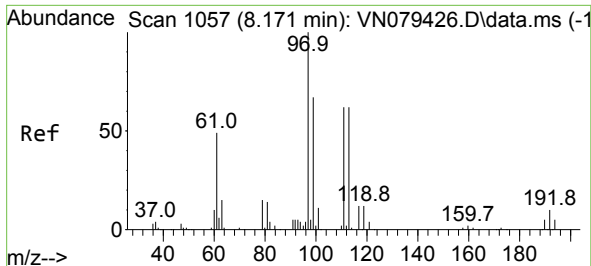
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.190 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

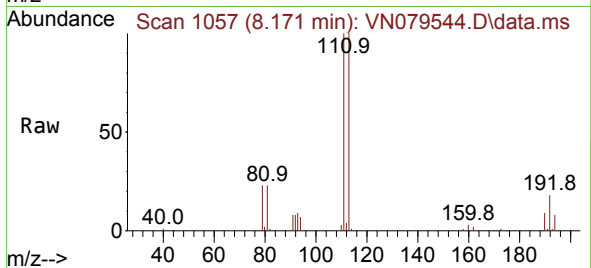
Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :



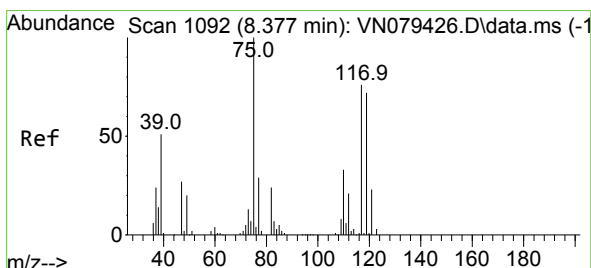
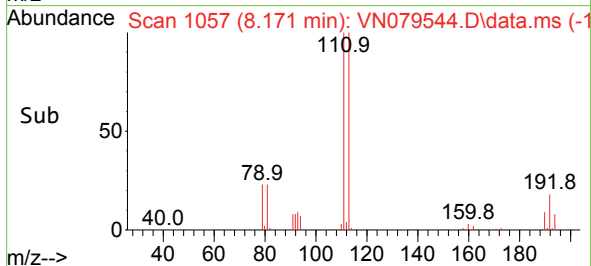
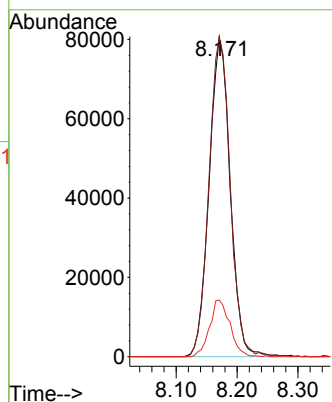
Tgt Ion:113 Resp: 193304

Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

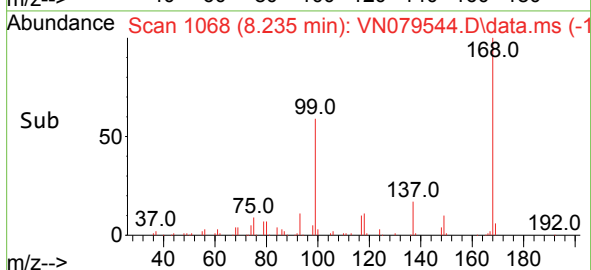
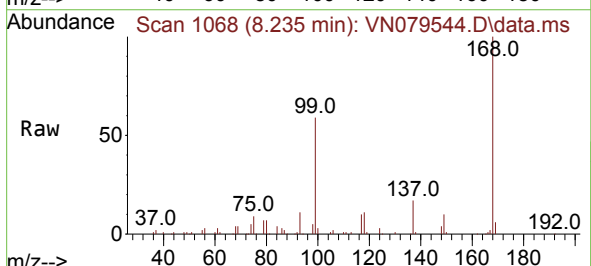
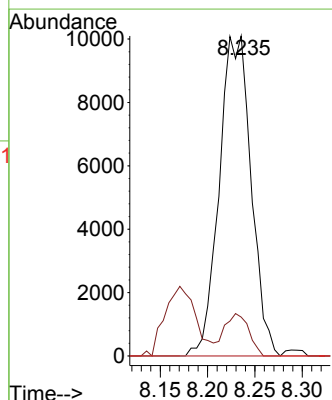
Tgt Ion: 75 Resp: 23632

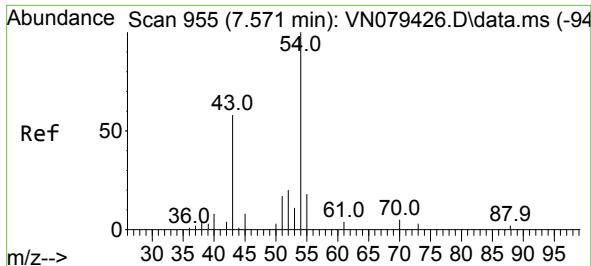
Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#

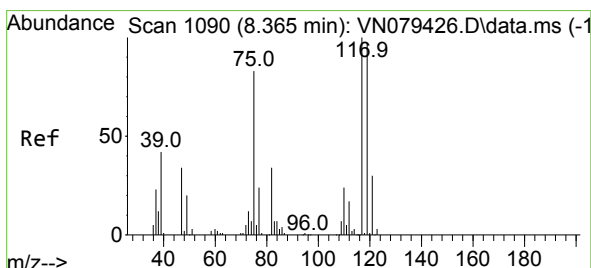
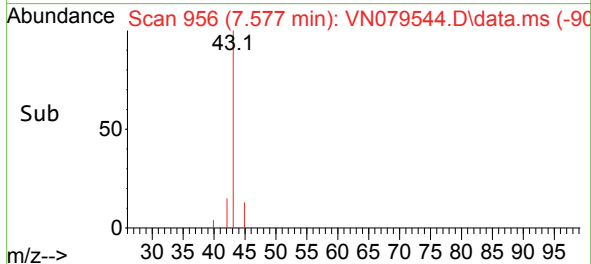
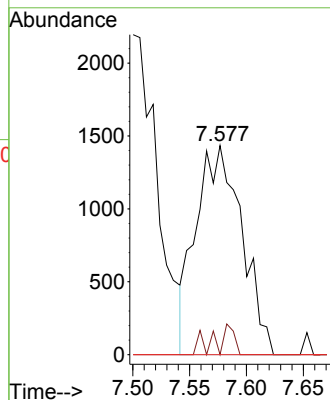
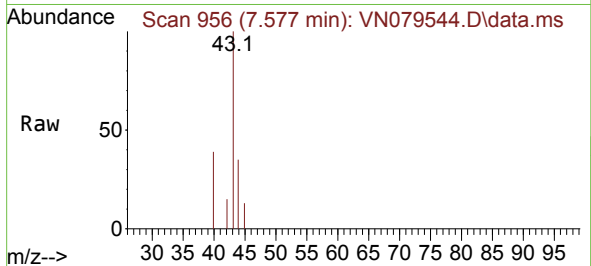




#37
Ethyl Acetate
Concen: 0.714 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

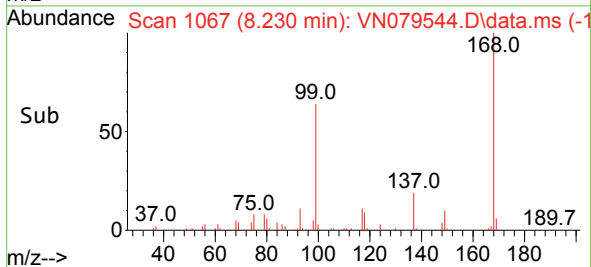
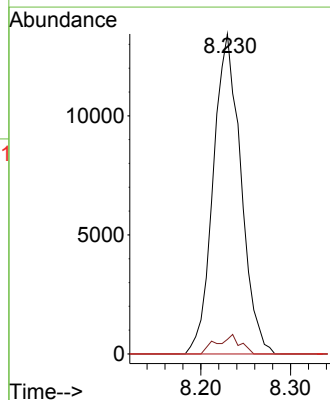
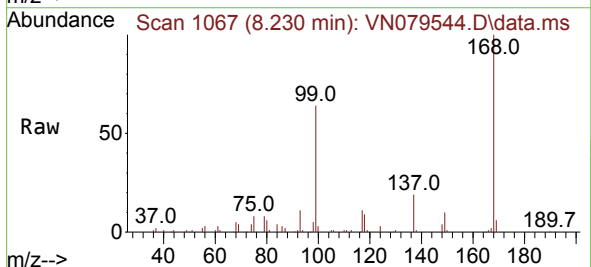
Instrument :
MSVOA_N
ClientSampleId :

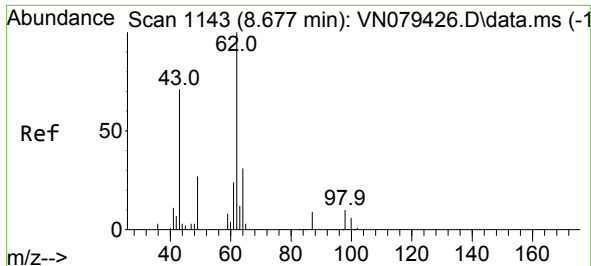
Tgt Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
61 4.7 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.066 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion: 117 Resp: 28743
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.253 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

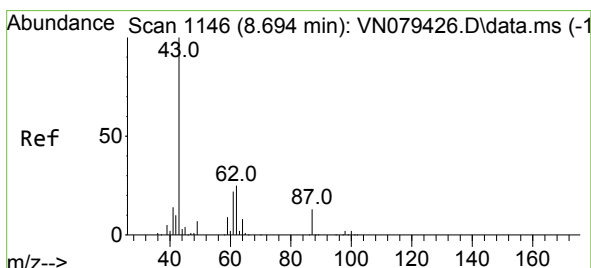
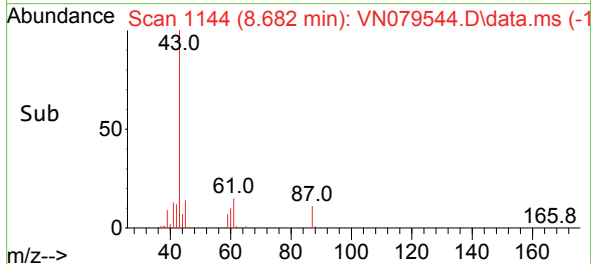
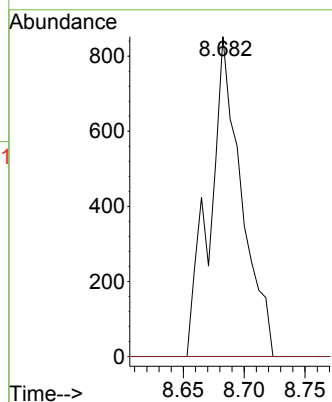
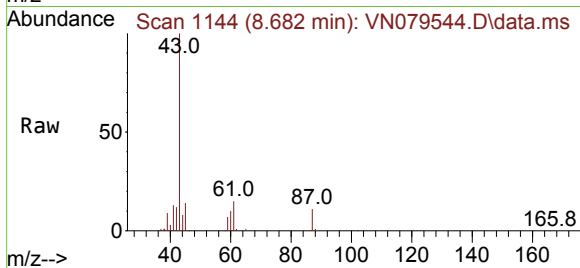
ClientSampleId :

Tgt Ion: 62 Resp: 1549

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.986 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

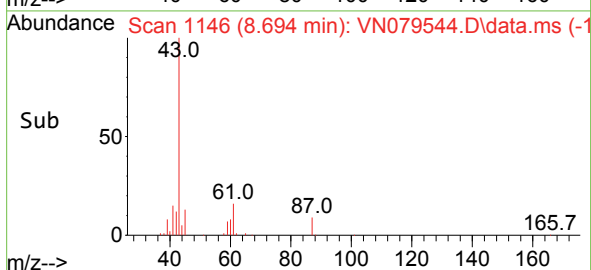
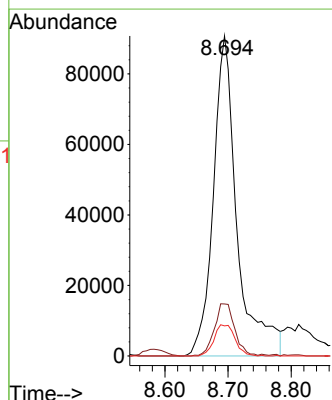
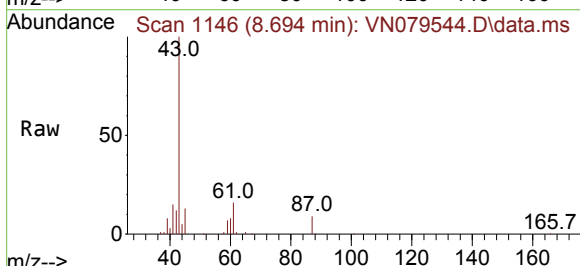
Tgt Ion: 43 Resp: 236984

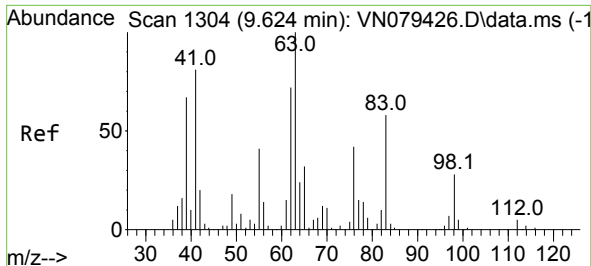
Ion Ratio Lower Upper

43 100

61 13.9 24.7 37.1#

87 8.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.432 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

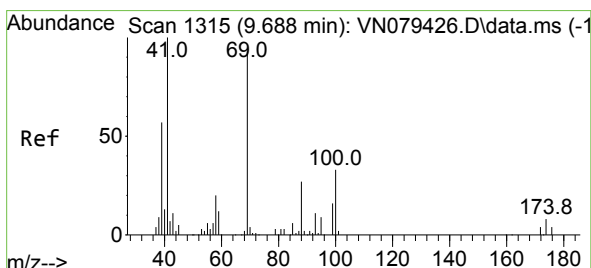
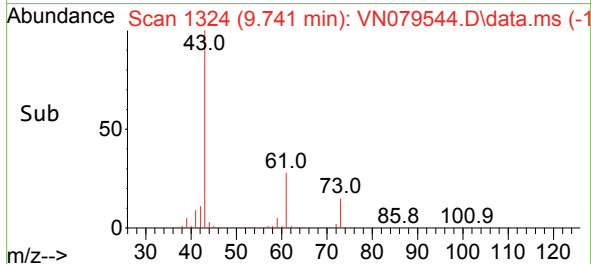
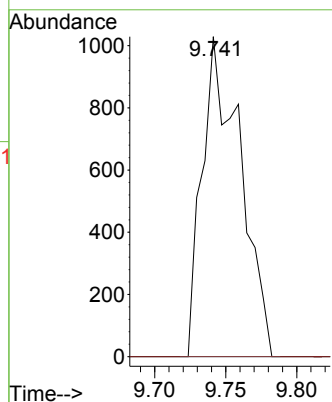
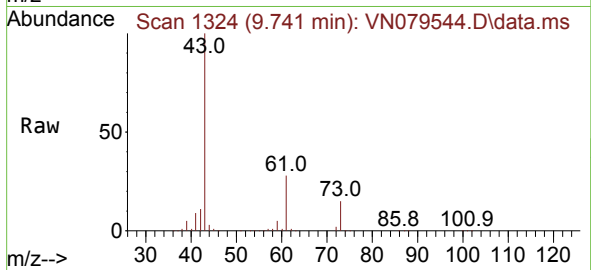
ClientSampleId :

Tgt Ion: 63 Resp: 1916

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.137 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.024 min

Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

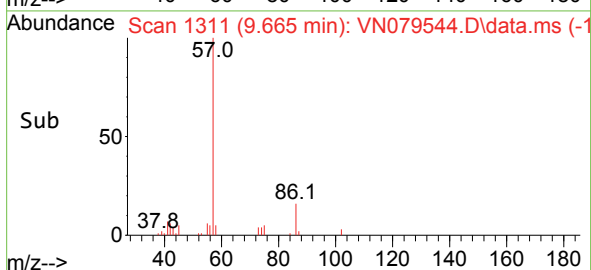
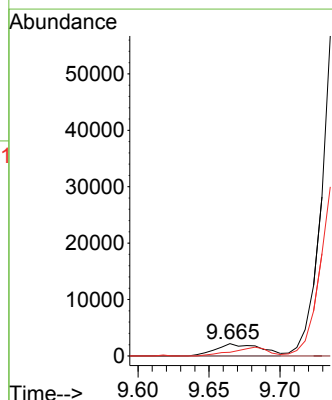
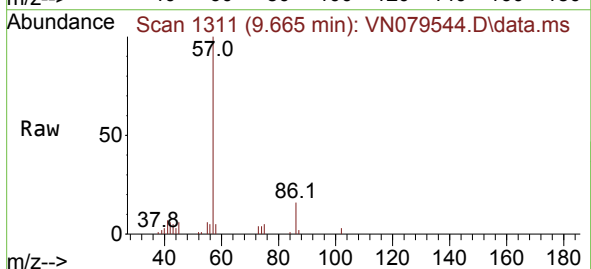
Tgt Ion: 41 Resp: 4812

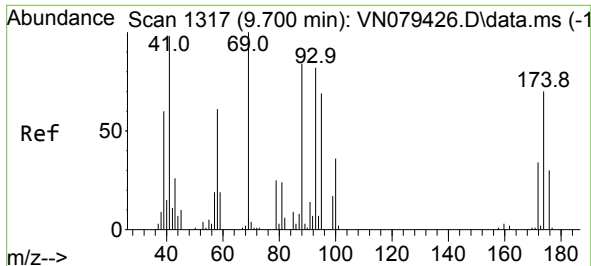
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 56.2 54.6 81.8





#49

1,4-Dioxane

Concen: 1.705 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.047 min

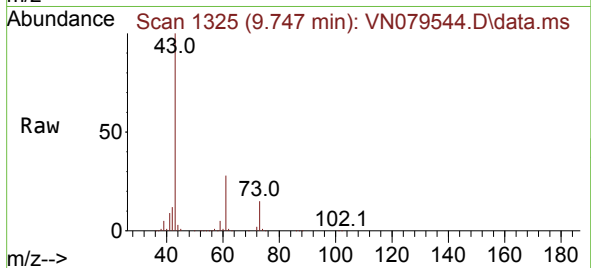
Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :



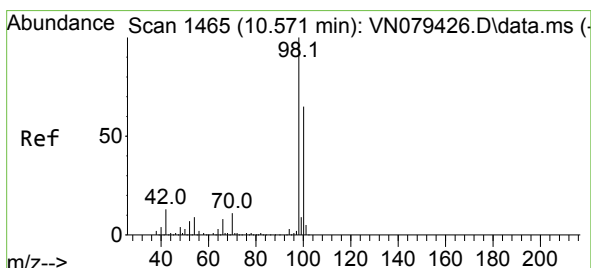
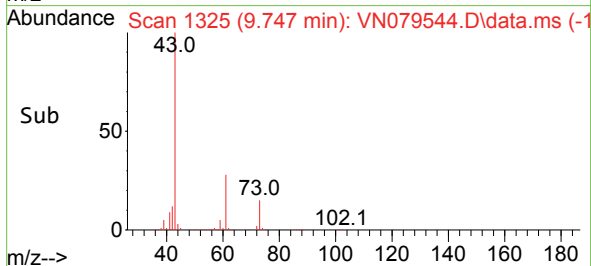
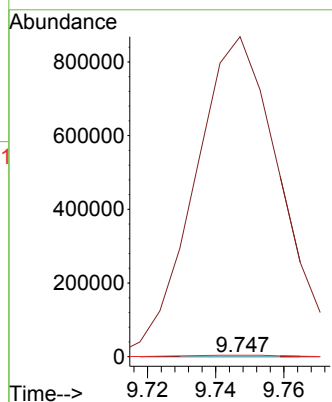
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 1163841.4 17.0 25.6#

58 6127.8 47.0 70.4#



#50

Toluene-d8

Concen: 47.658 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079544.D

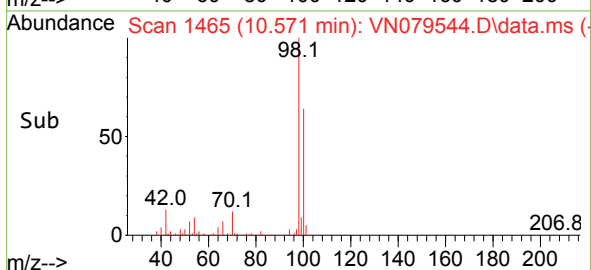
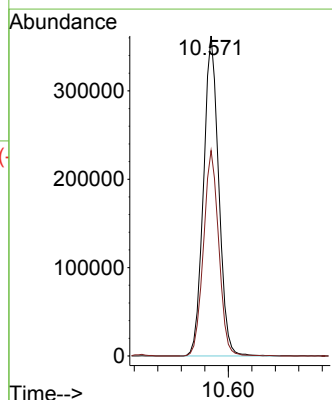
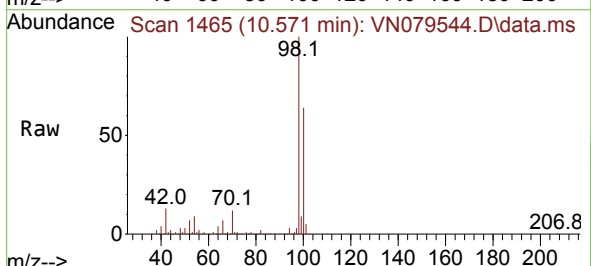
Acq: 12 Oct 2023 14:47

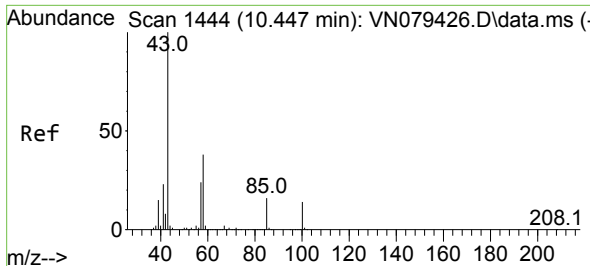
Tgt Ion: 98 Resp: 651167

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

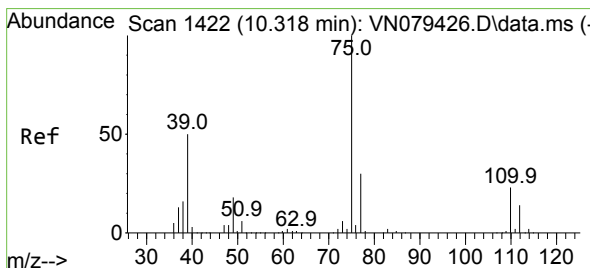
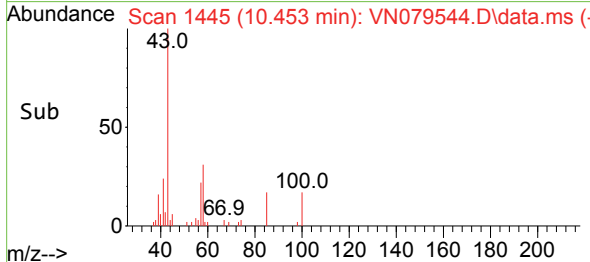
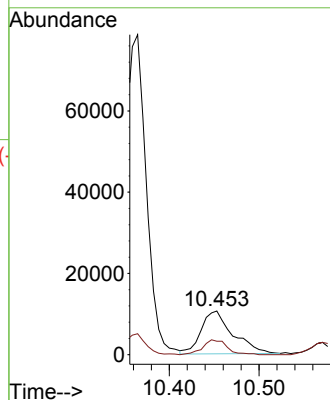
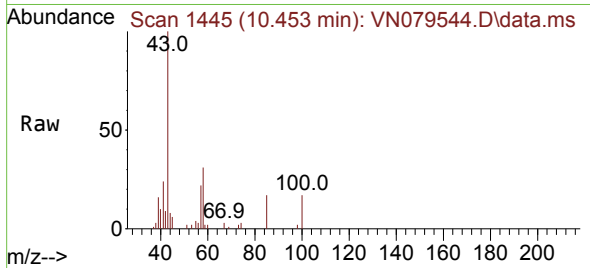




#51
4-Methyl-2-Pentanone
Concen: 4.654 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

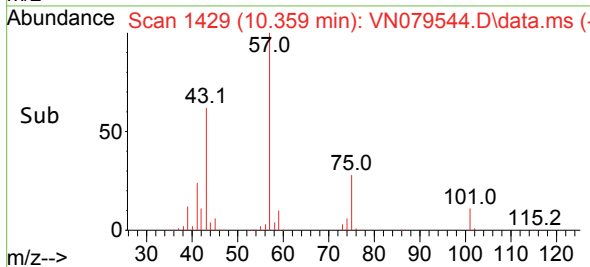
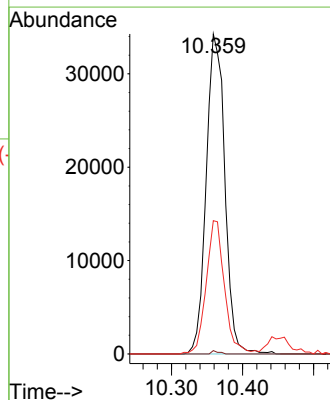
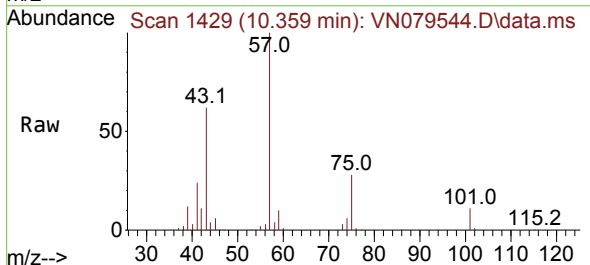
Instrument :
MSVOA_N
ClientSampleId :

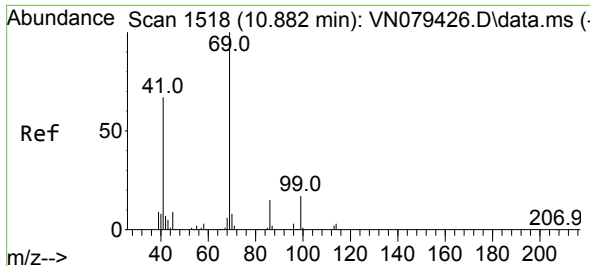
Tgt Ion: 43 Resp: 25957
Ion Ratio Lower Upper
43 100
58 26.5 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.587 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

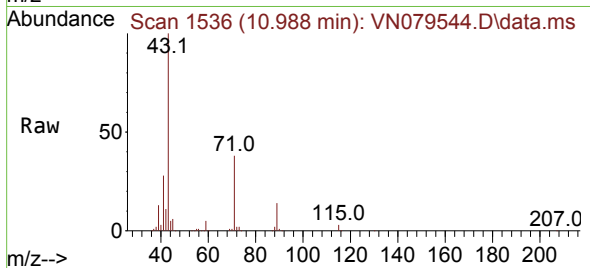
Tgt Ion: 75 Resp: 62487
Ion Ratio Lower Upper
75 100
77 1.1 26.1 39.1#
39 41.7 31.6 47.4



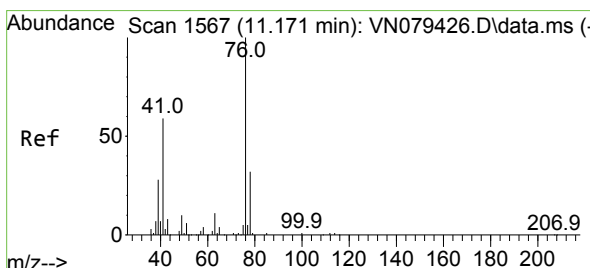
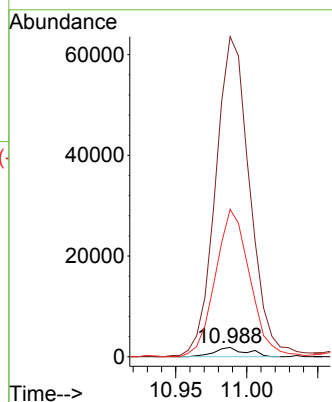
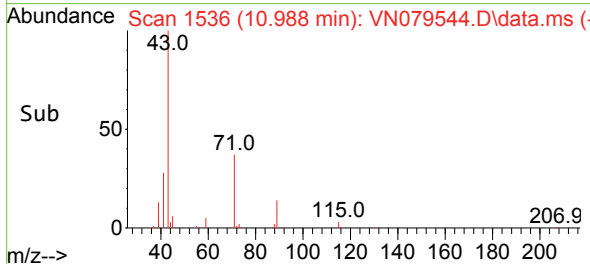


#56
Ethyl methacrylate
Concen: 0.519 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

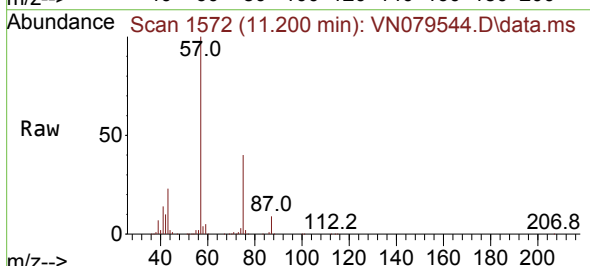
Instrument :
MSVOA_N
ClientSampleId :



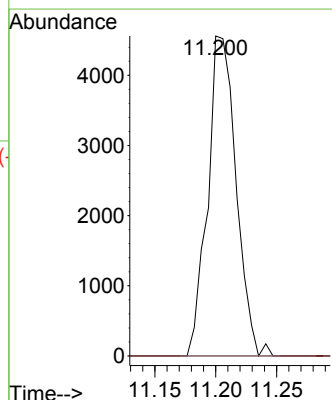
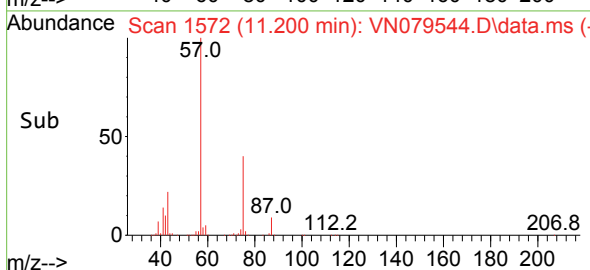
Tgt Ion: 69 Resp: 2837
Ion Ratio Lower Upper
69 100
41 3775.6 39.6 59.4#
39 1744.5 28.6 43.0#

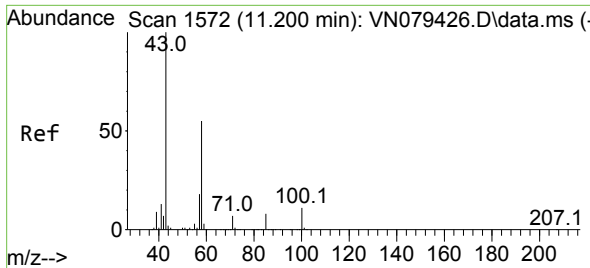


#57
1,3-Dichloropropane
Concen: 1.076 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.029 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47



Tgt Ion: 76 Resp: 7391
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

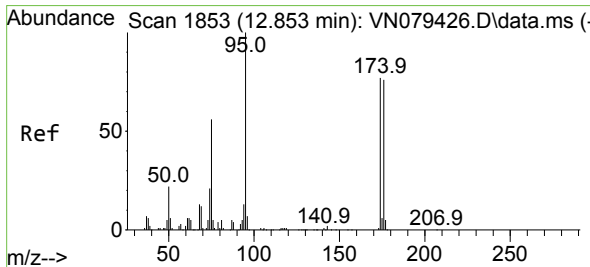
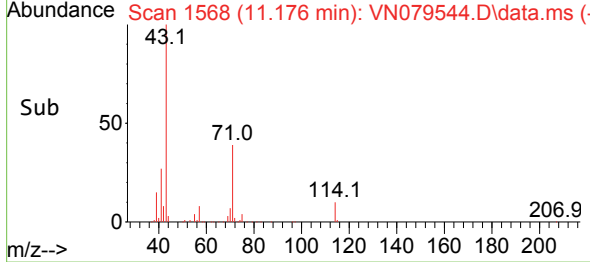
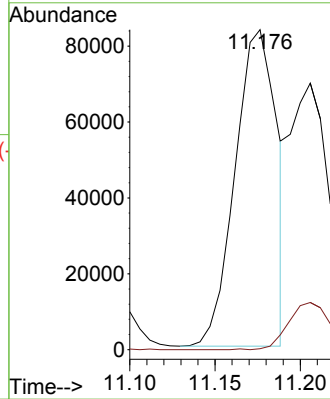
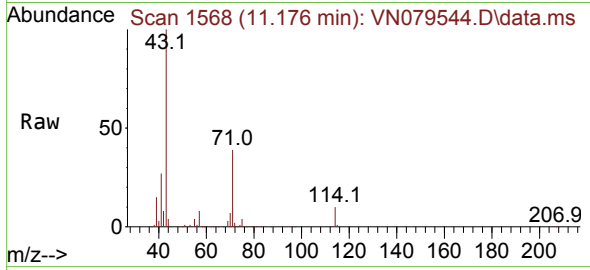




#59
2-Hexanone
Concen: 35.135 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

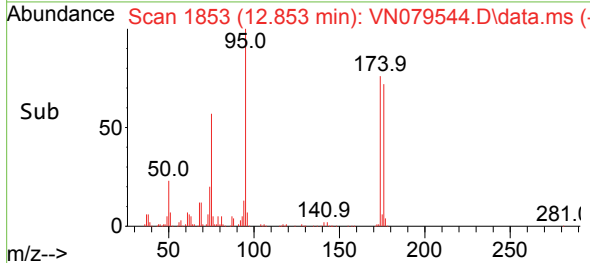
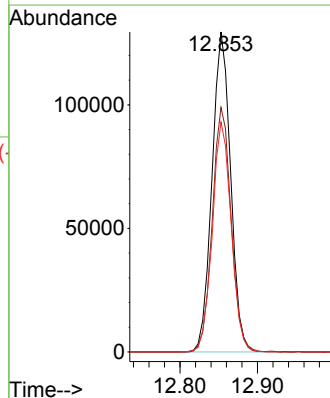
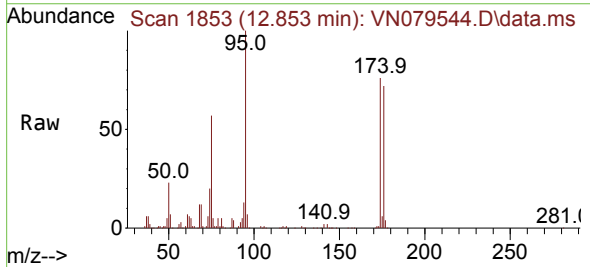
Instrument :
MSVOA_N
ClientSampleId :

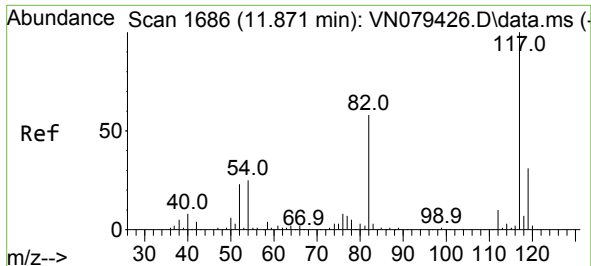
Tgt Ion: 43 Resp: 141405
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.236 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion: 95 Resp: 215891
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 72.7 0.0 135.8

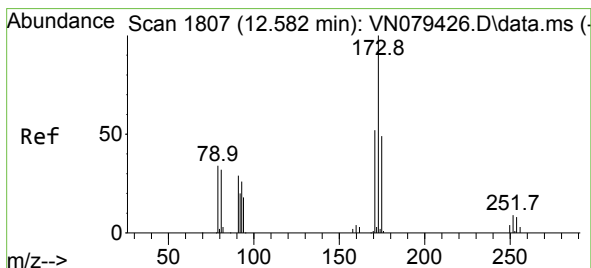
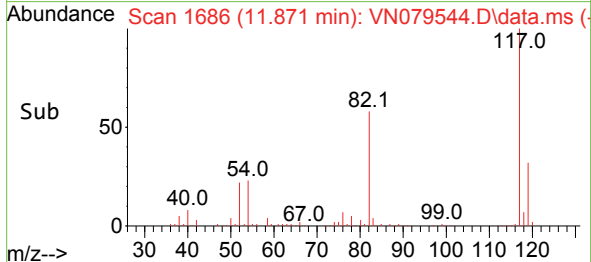
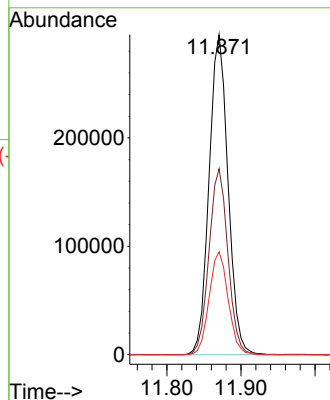
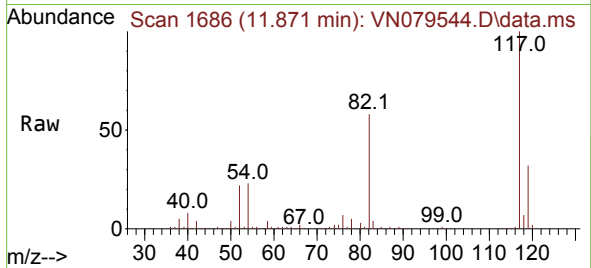




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

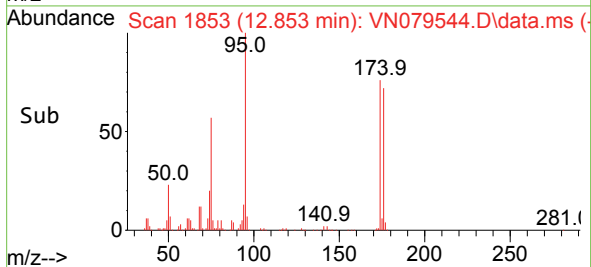
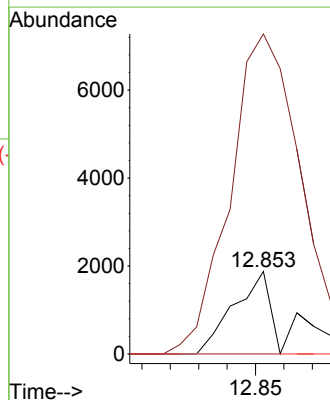
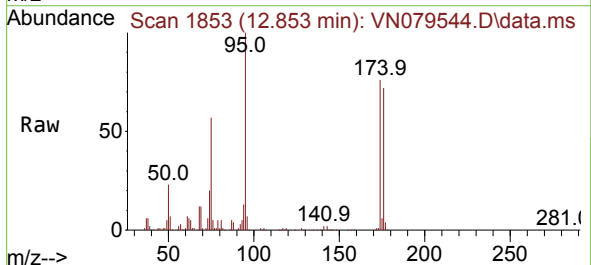
Instrument :
MSVOA_N
ClientSampleId :

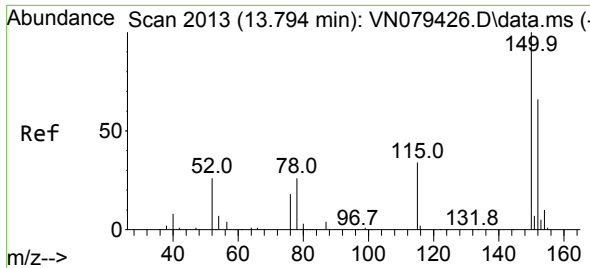
Tgt Ion:117 Resp: 524778
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.527 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

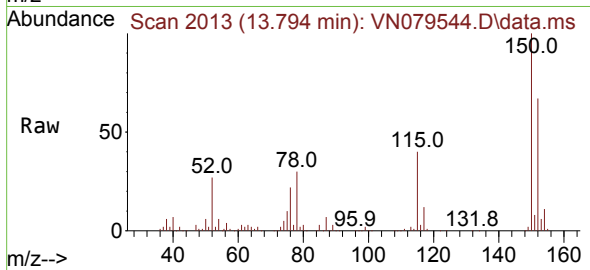
Tgt Ion:173 Resp: 1652
Ion Ratio Lower Upper
173 100
175 572.0 24.3 73.0#
254 0.0 0.0 0.0



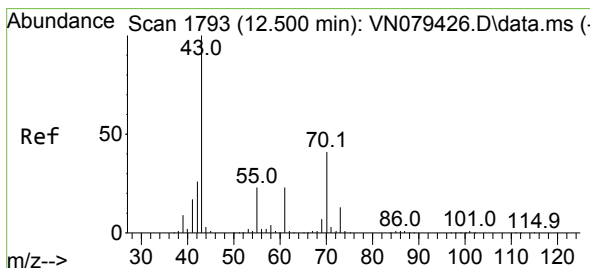
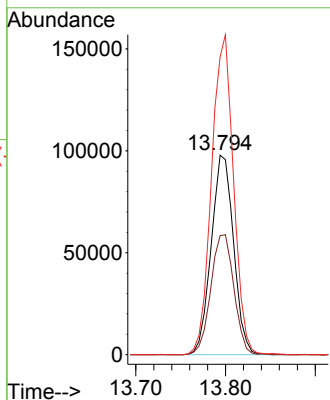
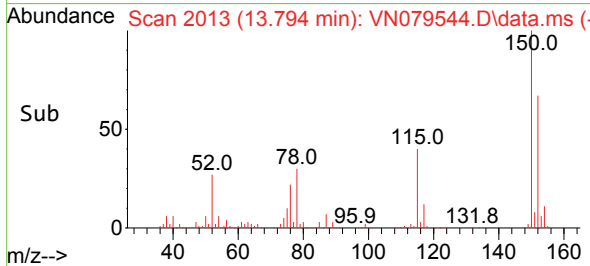


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079544.D
 Acq: 12 Oct 2023 14:47

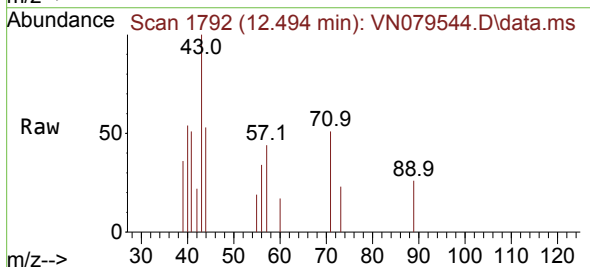
Instrument :
 MSVOA_N
 ClientSampleId :



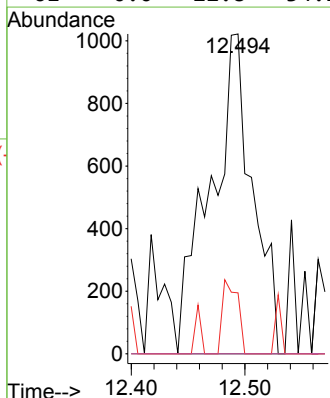
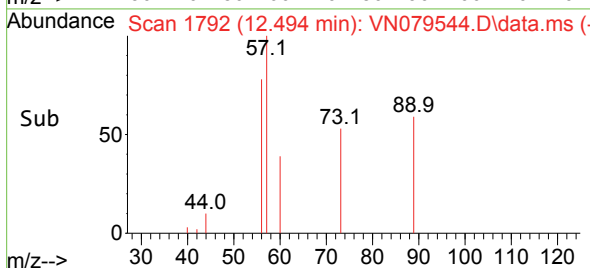
Tgt Ion:152 Resp: 169605
 Ion Ratio Lower Upper
 152 100
 115 62.0 32.3 96.8
 150 156.9 0.0 355.8

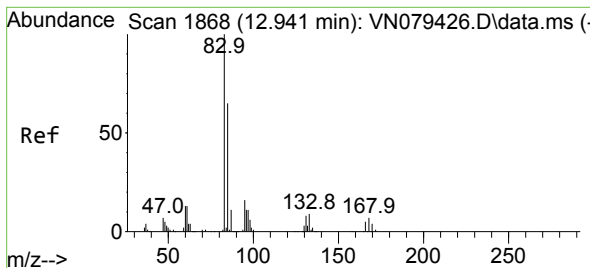


#74
 N-ethyl acetate
 Concen: 0.409 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN079544.D
 Acq: 12 Oct 2023 14:47



Tgt Ion: 43 Resp: 2644
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 8.4 21.4 32.0#
 61 0.0 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.076 min

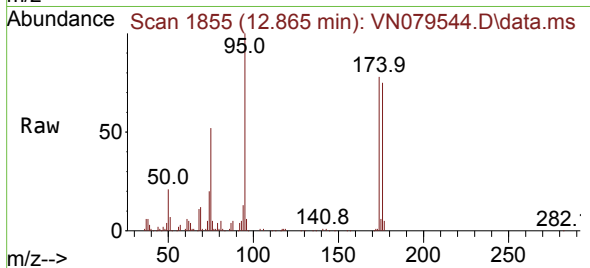
Lab File: VN079544.D

Acq: 12 Oct 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :



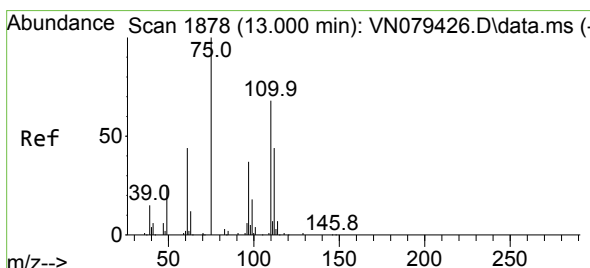
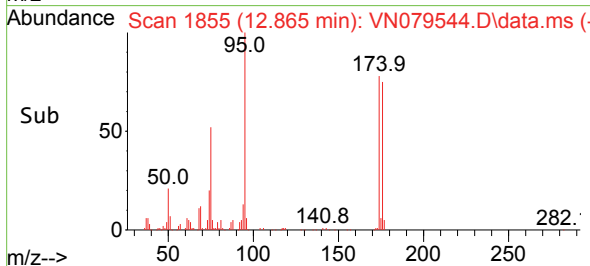
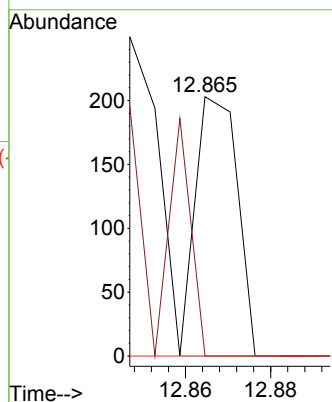
Tgt Ion: 83 Resp: 139

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 24.903 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079544.D

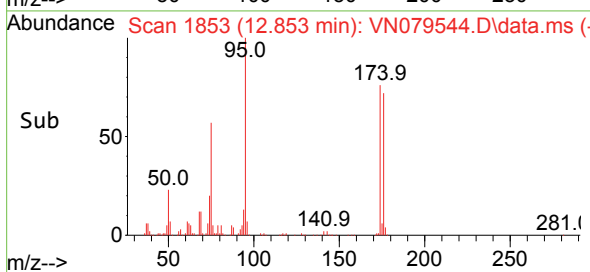
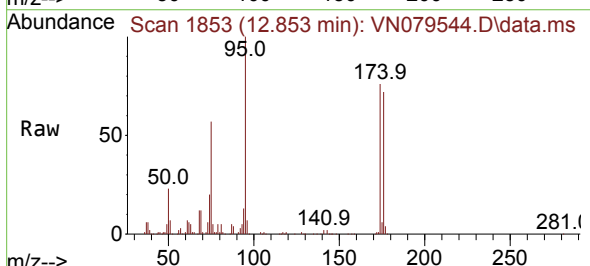
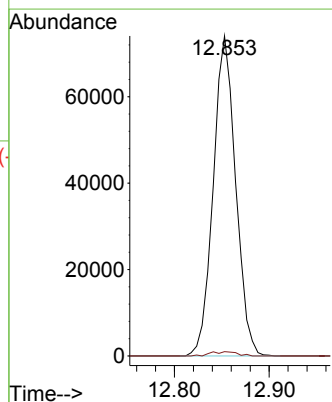
Acq: 12 Oct 2023 14:47

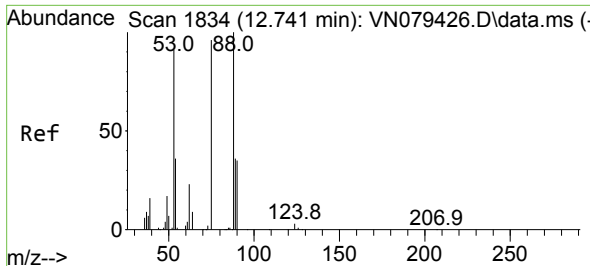
Tgt Ion: 75 Resp: 121778

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#

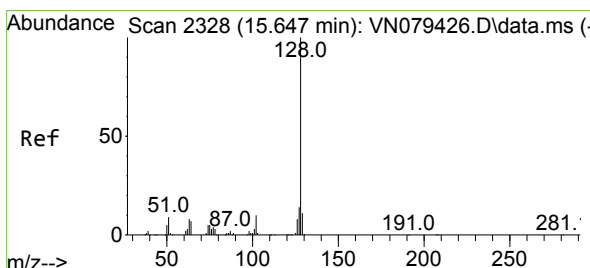
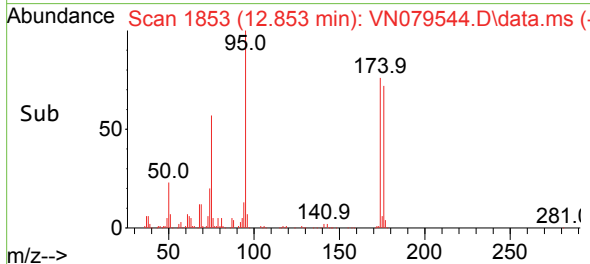
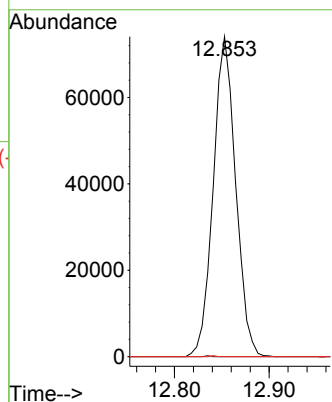
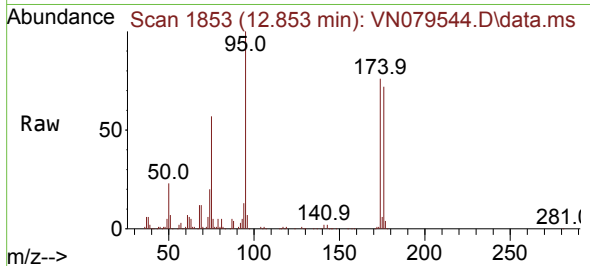




#81
trans-1,4-Dichloro-2-butene
Concen: 72.256 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 121778
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.249 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079544.D
Acq: 12 Oct 2023 14:47

Tgt Ion:128 Resp: 1407
Ion Ratio Lower Upper
128 100
127 3.8 10.0 15.0#
129 0.0 8.7 13.1#

