

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079018.D
 Acq On : 23 Aug 2023 16:00
 Operator : JC\MD
 Sample : 04091-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:15:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

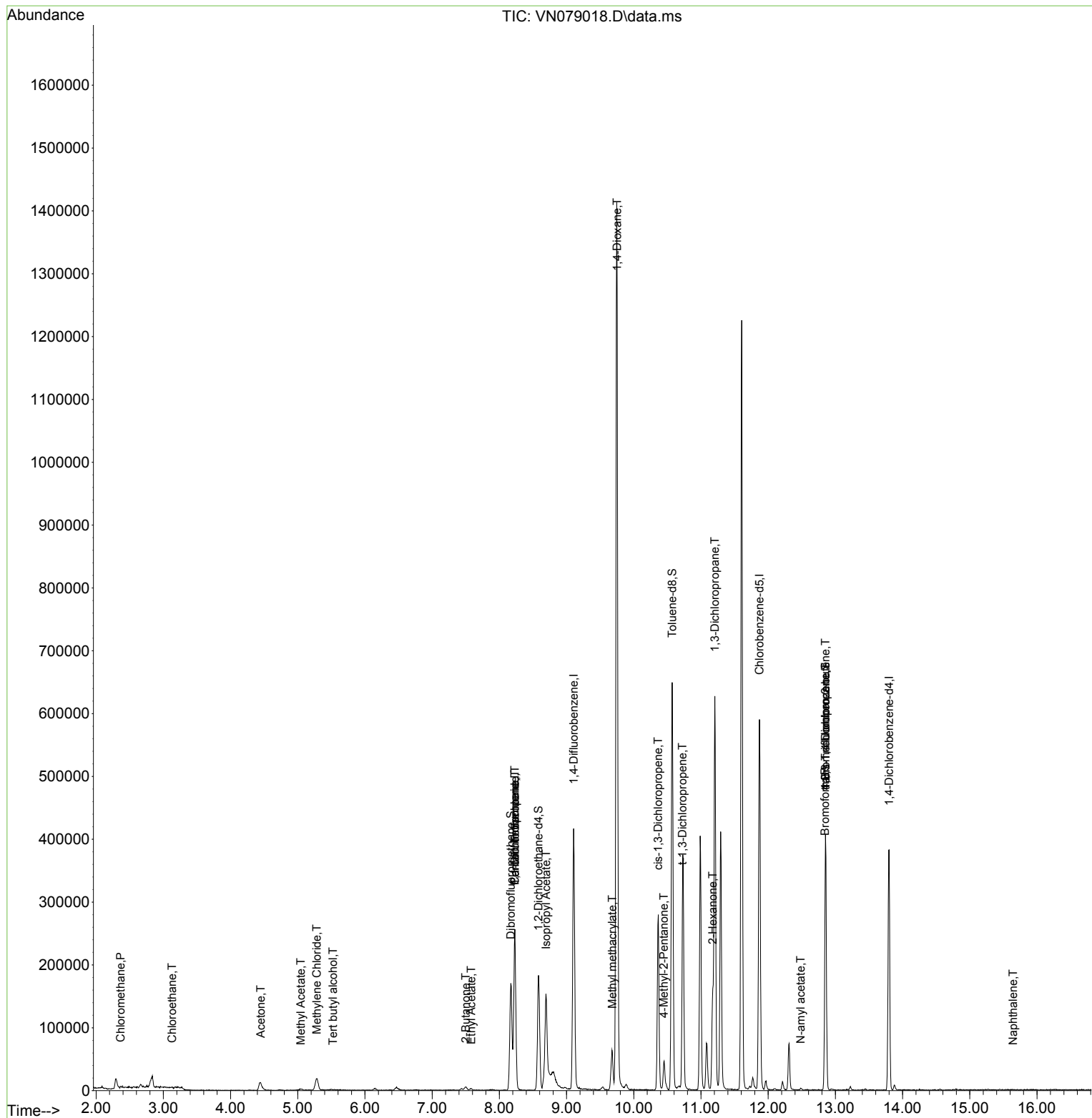
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	335264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	99612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146320	54.617	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.240%	
35) Dibromofluoromethane	8.171	113	117550	52.159	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.320%	
50) Toluene-d8	10.570	98	427999	51.146	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.853	95	132865	48.576	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.160%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	733	0.220	ug/l #	42
6) Chloroethane	3.130	64	1293	0.632	ug/l #	43
11) Tert butyl alcohol	5.524	59	193	0.429	ug/l #	72
16) Acetone	4.447	43	27053	24.473	ug/l #	79
18) Methyl Acetate	5.047	43	3408	0.730	ug/l	91
20) Methylene Chloride	5.283	84	13992	5.940	ug/l #	73
25) 2-Butanone	7.500	43	8767	4.947	ug/l #	87
31) Cyclohexane	8.229	56	4418	Below Cal	#	52
36) 1,1-Dichloropropene	8.229	75	14969	4.415	ug/l #	48
37) Ethyl Acetate	7.582	43	4152	1.095	ug/l #	70
38) Carbon Tetrachloride	8.229	117	18502	5.447	ug/l #	16
43) Isopropyl Acetate	8.694	43	199392	29.741	ug/l #	71
48) Methyl methacrylate	9.682	41	4493	1.479	ug/l #	3
49) 1,4-Dioxane	9.753	88	55	1.063	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	36502	9.180	ug/l #	75
53) t-1,3-Dichloropropene	10.723	75	1055	0.272	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	44765	10.607	ug/l #	75
57) 1,3-Dichloropropane	11.206	76	6148	1.393	ug/l #	42
59) 2-Hexanone	11.176	43	134779	46.798	ug/l #	19
71) Bromoform	12.847	173	947	0.483	ug/l #	28
74) N-amyl acetate	12.482	43	1501	0.358	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	72468	30.193	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72468	77.130	ug/l #	15
95) Naphthalene	15.647	128	280	2.632	ug/l #	70

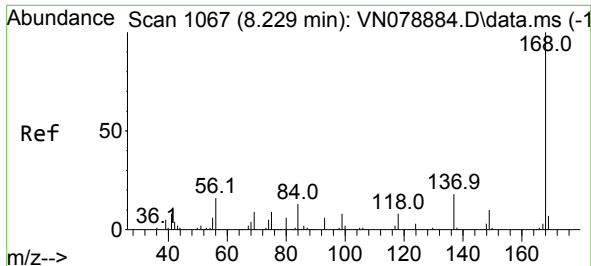
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
Data File : VN079018.D
Acq On : 23 Aug 2023 16:00
Operator : JC\MD
Sample : 04091-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

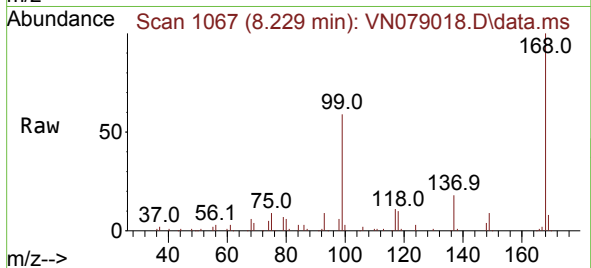
Quant Time: Aug 24 01:15:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



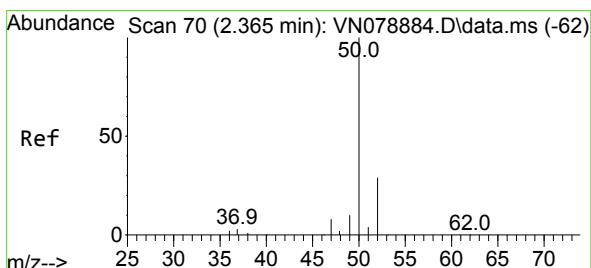
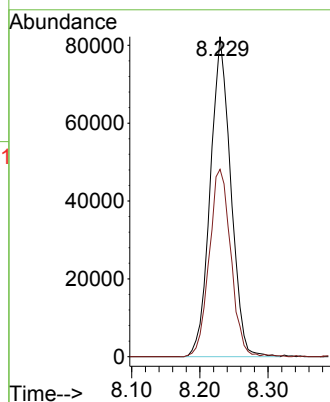
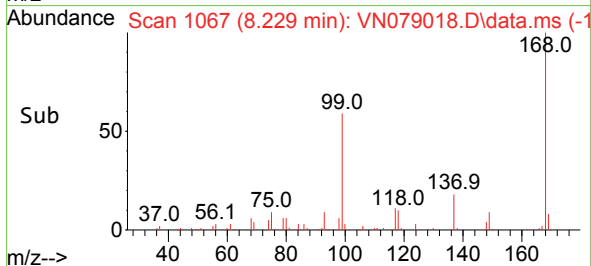


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

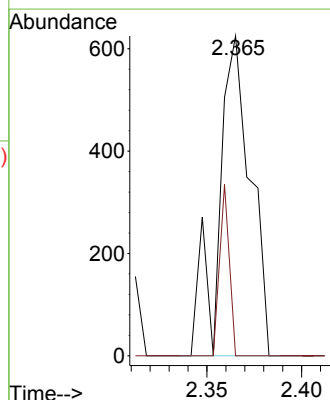
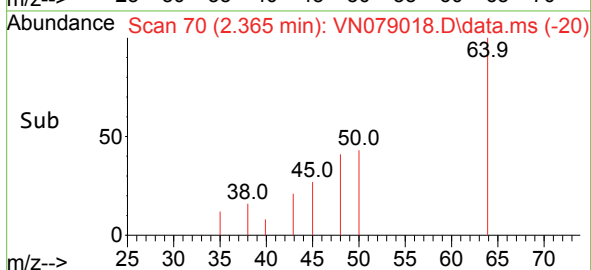
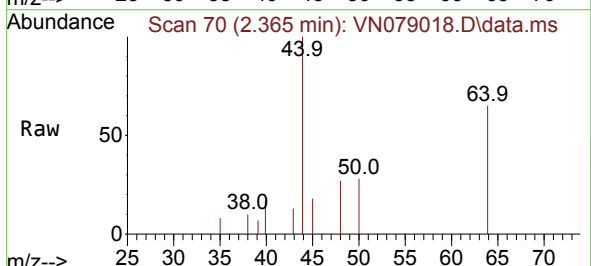


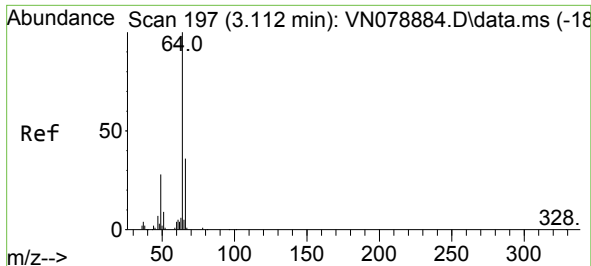
Tgt Ion:168 Resp: 172165
Ion Ratio Lower Upper
168 100
99 58.5 53.0 79.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

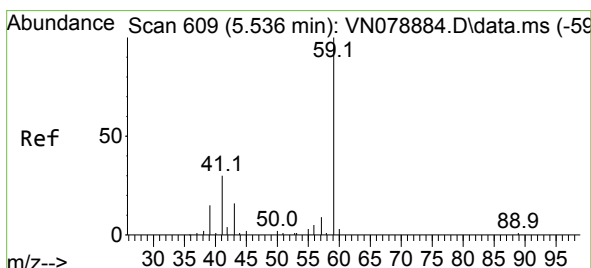
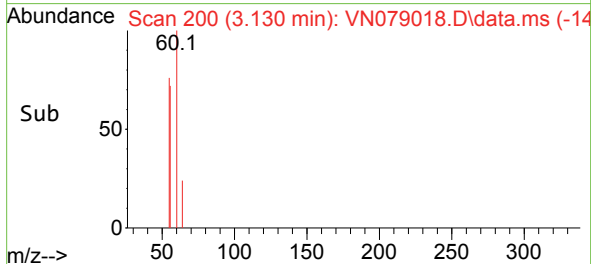
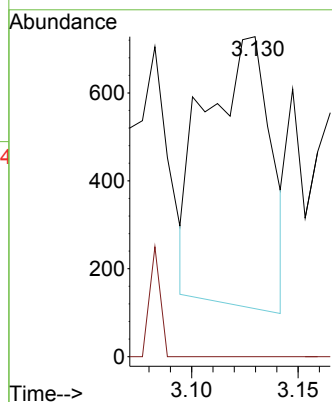
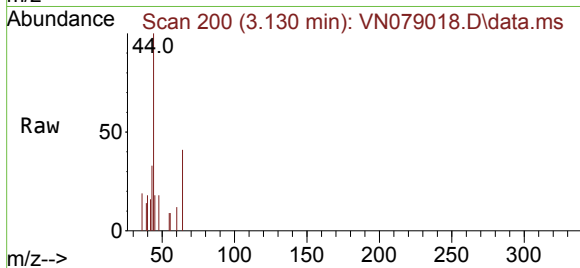




#6
Chloroethane
Concen: 0.632 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

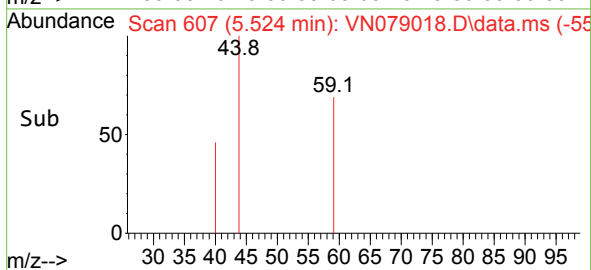
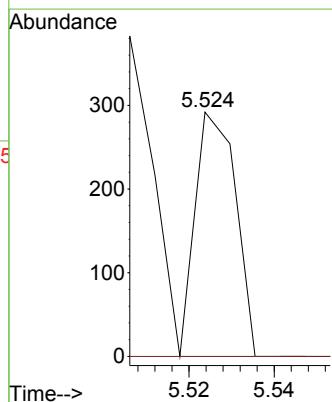
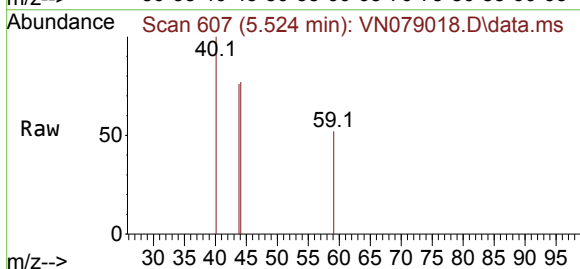
Instrument :
MSVOA_N
ClientSampleId :

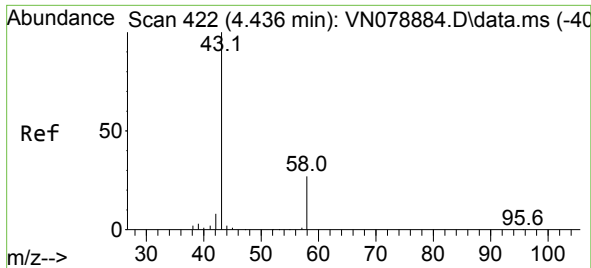
Tgt Ion: 64 Resp: 1293
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.429 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

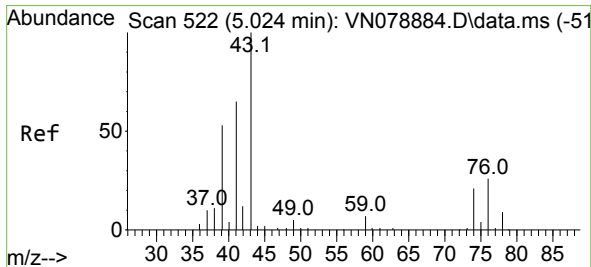
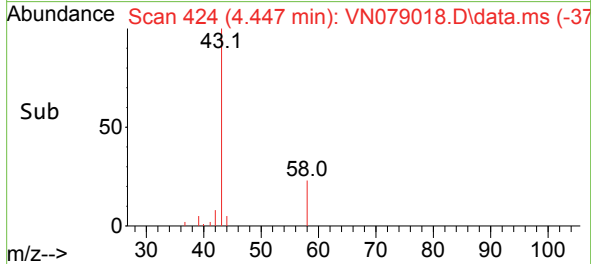
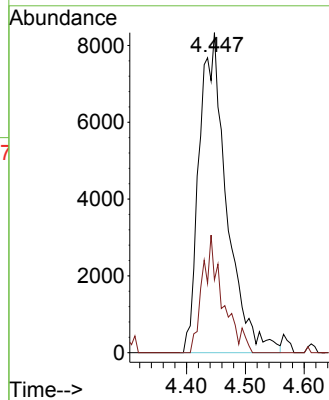
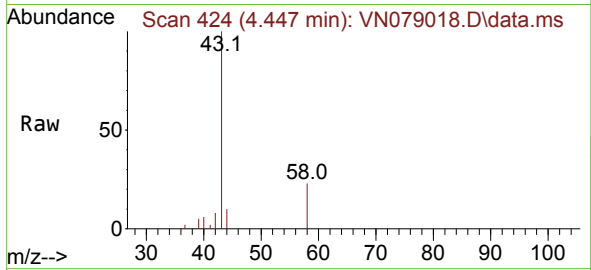




#16
Acetone
Concen: 24.473 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

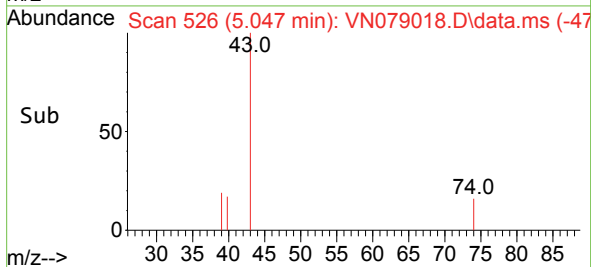
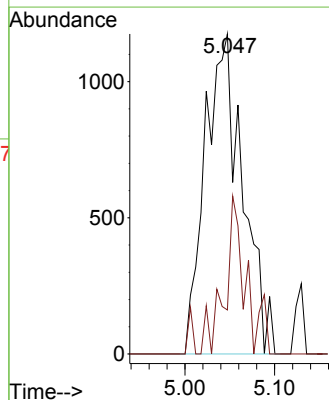
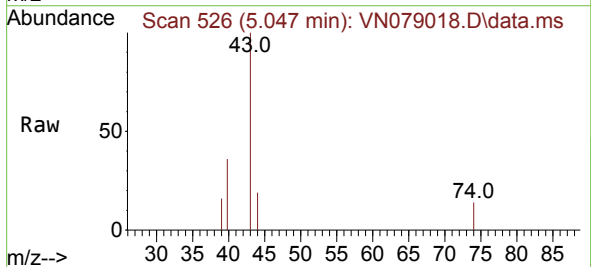
Instrument :
MSVOA_N
ClientSampleId :

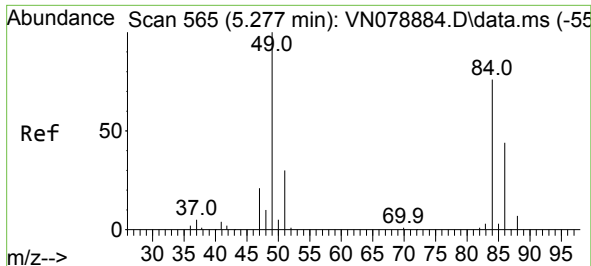
Tgt Ion: 43 Resp: 27053
Ion Ratio Lower Upper
43 100
58 22.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.730 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.005 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

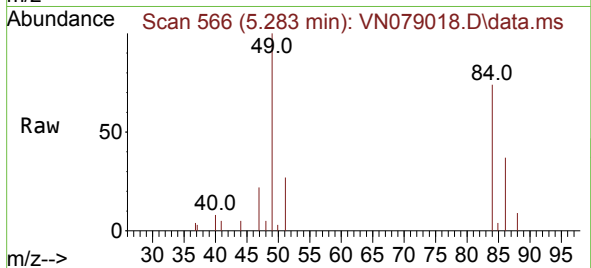
Tgt Ion: 43 Resp: 3408
Ion Ratio Lower Upper
43 100
74 27.8 26.2 39.4



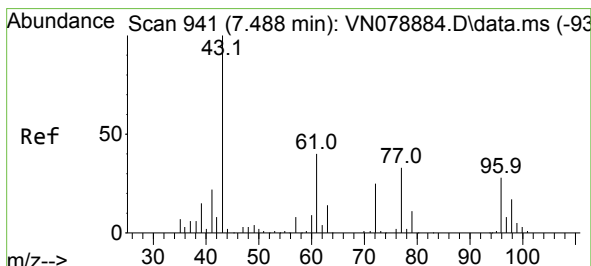
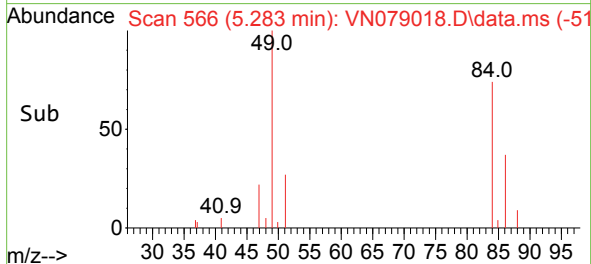
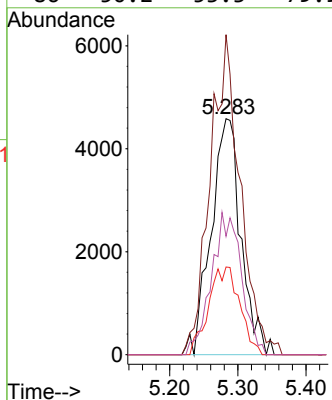


#20
Methylene Chloride
Concen: 5.940 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

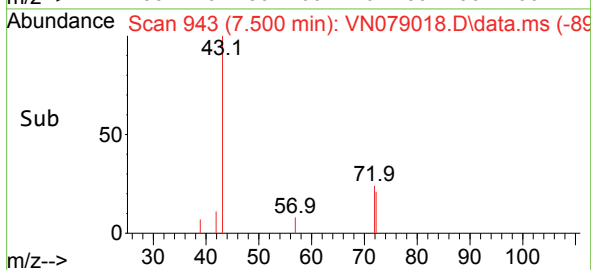
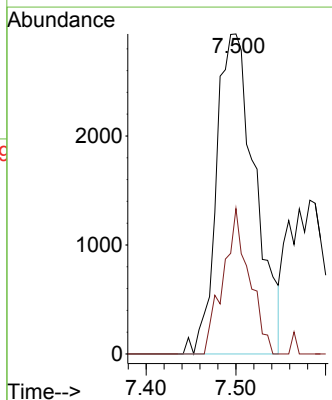
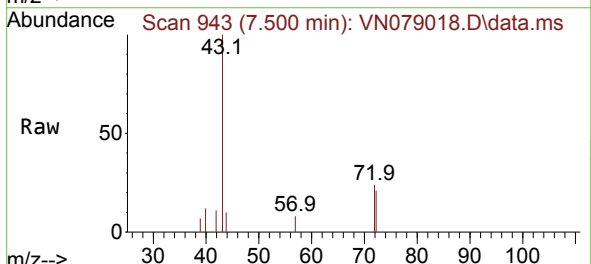


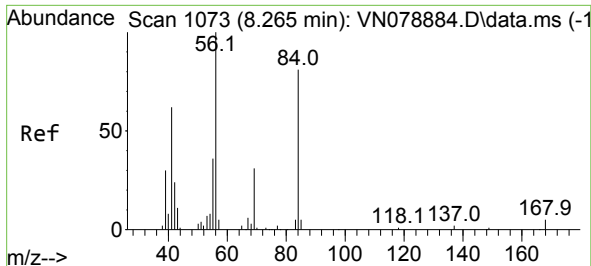
Tgt Ion:	84	Resp:	13992
Ion	Ratio	Lower	Upper
84	100		
49	135.5	79.7	119.5#
51	37.2	25.2	37.8
86	50.2	53.3	79.9#



#25
2-Butanone
Concen: 4.947 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

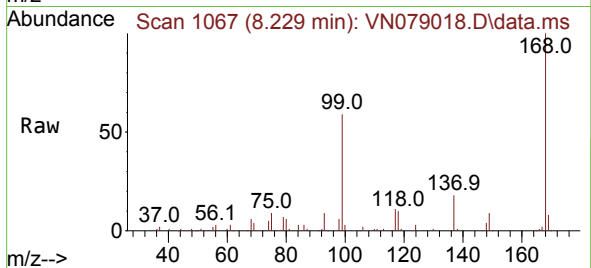
Tgt Ion:	43	Resp:	8767
Ion	Ratio	Lower	Upper
43	100		
72	45.4	30.2	45.2#



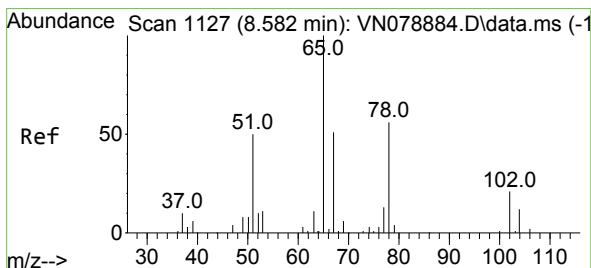
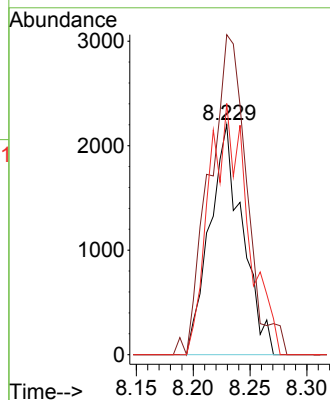
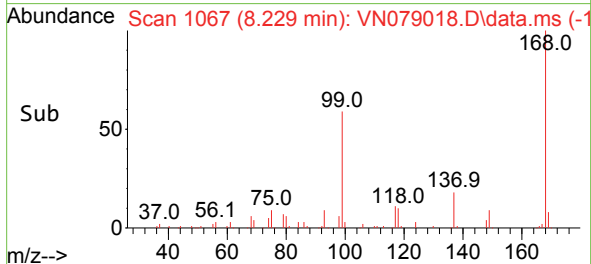


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

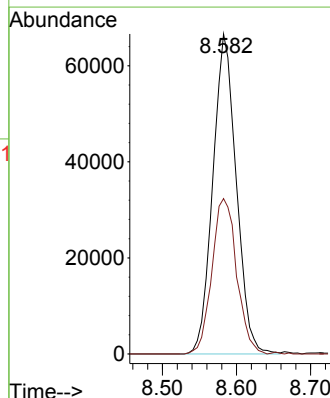
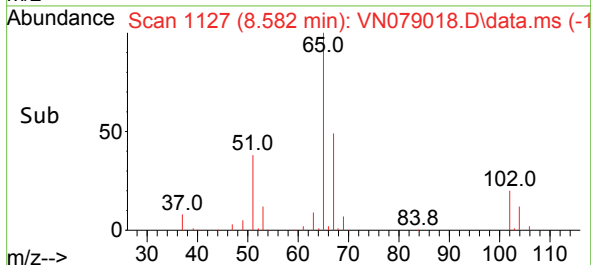
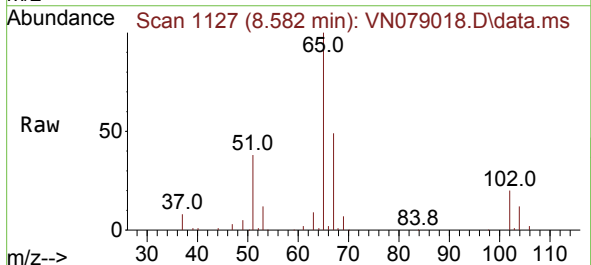


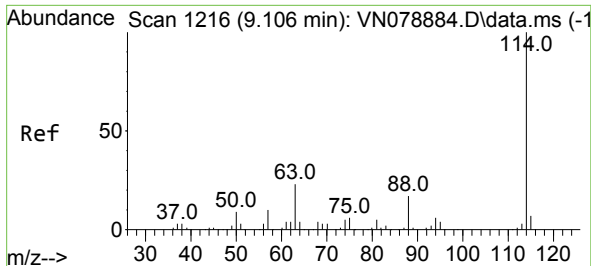
Tgt Ion: 56 Resp: 4418
Ion Ratio Lower Upper
56 100
69 131.7 26.8 40.2#
84 109.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.617 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Tgt Ion: 65 Resp: 146320
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

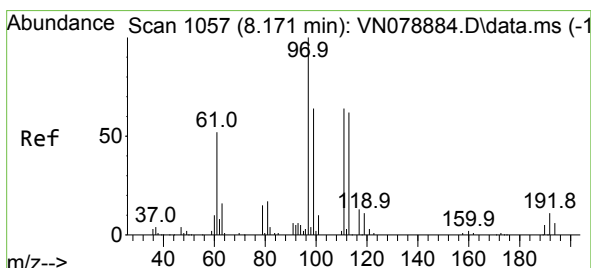
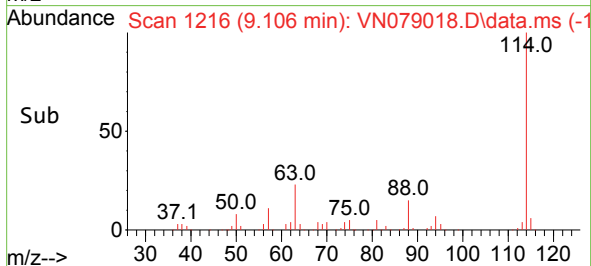
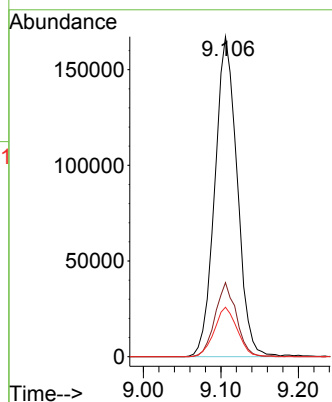
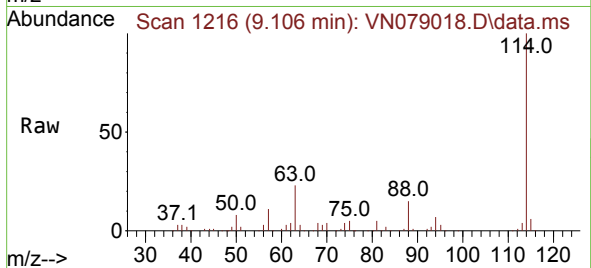
Tgt Ion:114 Resp: 334797

Ion Ratio Lower Upper

114 100

63 23.1 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.159 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

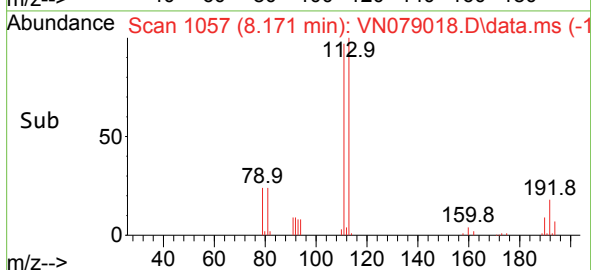
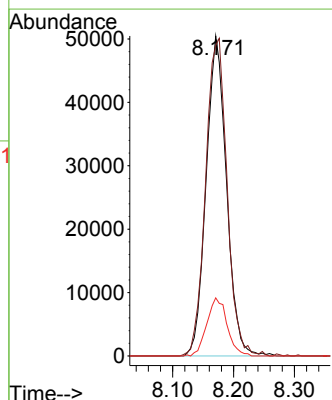
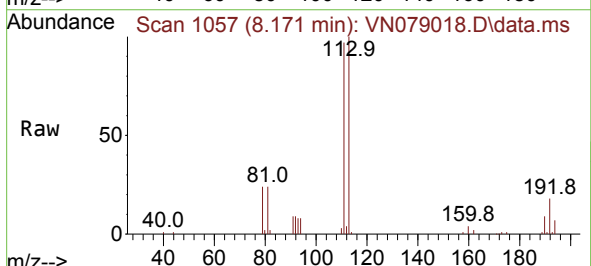
Tgt Ion:113 Resp: 117550

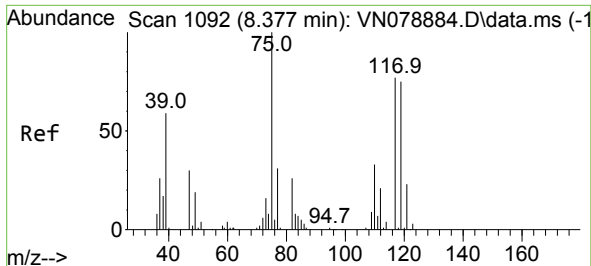
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 18.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.415 ug/l

RT: 8.229 min Scan# 1092

Delta R.T. -0.148 min

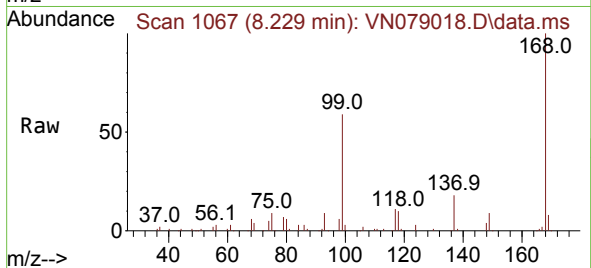
Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

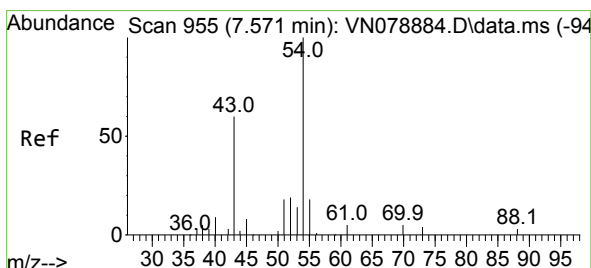
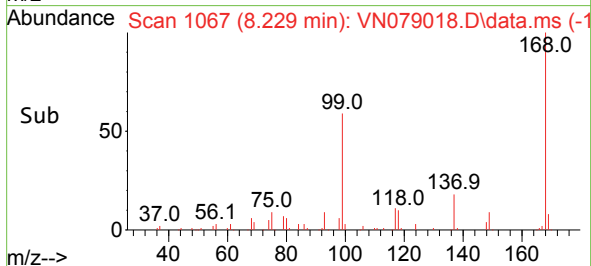
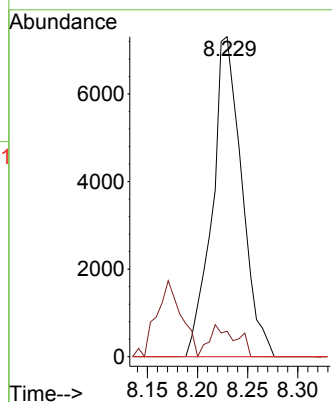
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 14969
Ion Ratio	Lower Upper
75	100
110	8.9 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.095 ug/l

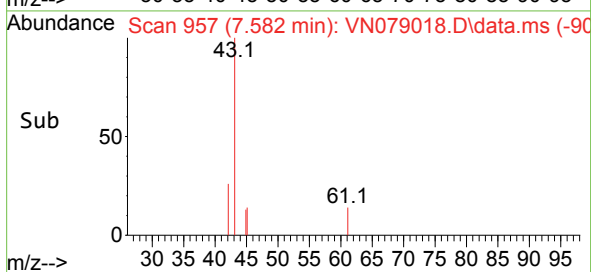
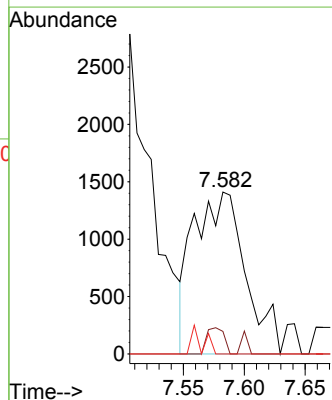
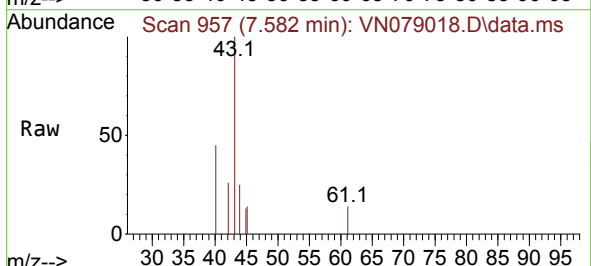
RT: 7.582 min Scan# 957

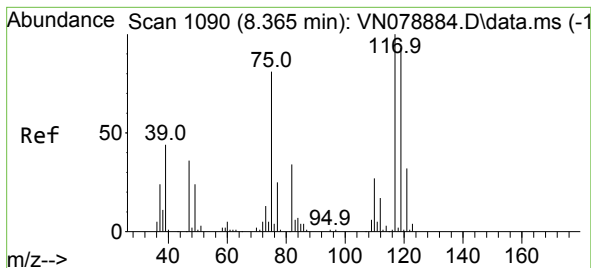
Delta R.T. 0.011 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Tgt Ion: 43	Resp: 4152
Ion Ratio	Lower Upper
43	100
61	5.4 13.2 19.8#
70	0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.447 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

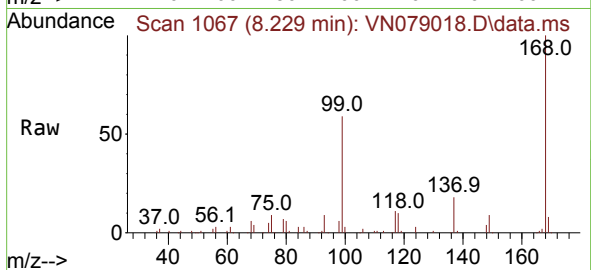
Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :



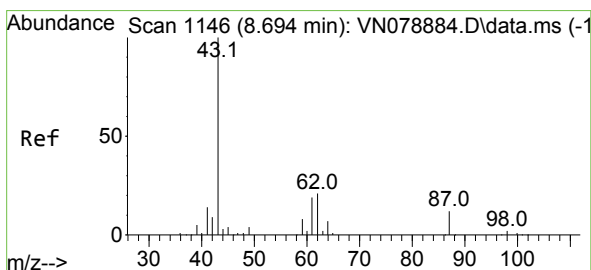
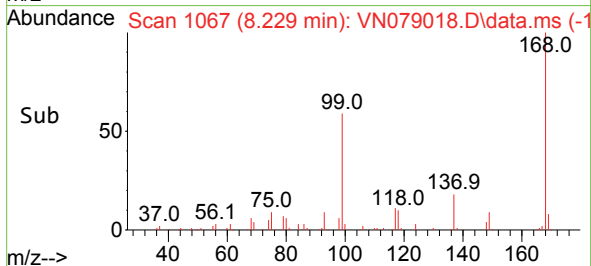
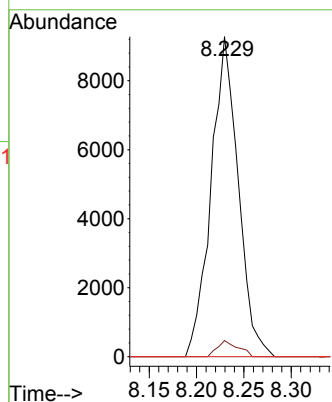
Tgt Ion:117 Resp: 18502

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 29.741 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

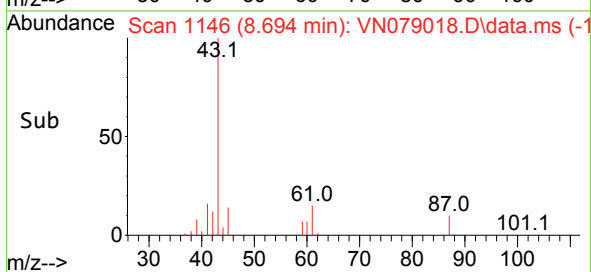
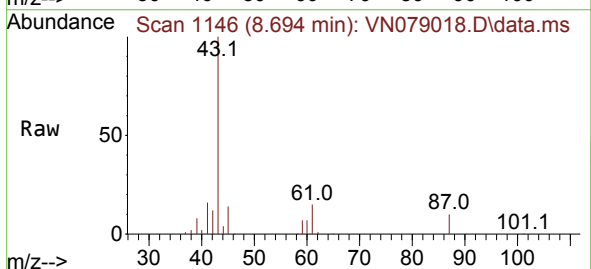
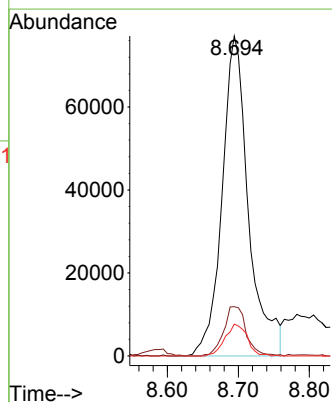
Tgt Ion: 43 Resp: 199392

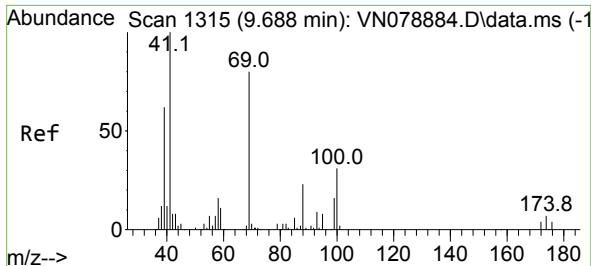
Ion Ratio Lower Upper

43 100

61 13.2 24.7 37.1#

87 8.4 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.479 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

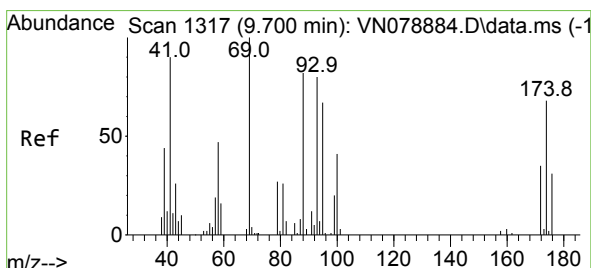
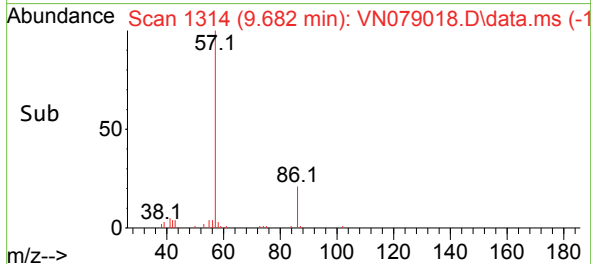
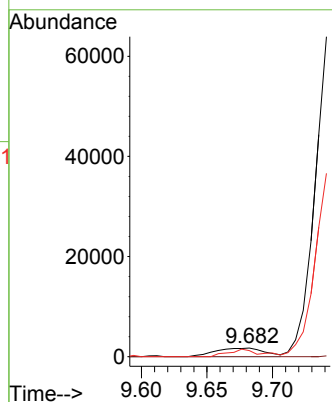
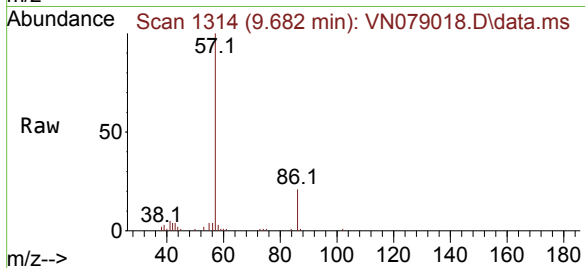
Tgt Ion: 41 Resp: 4493

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 0.0 54.6 81.8#



#49

1,4-Dioxane

Concen: 1.063 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.053 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

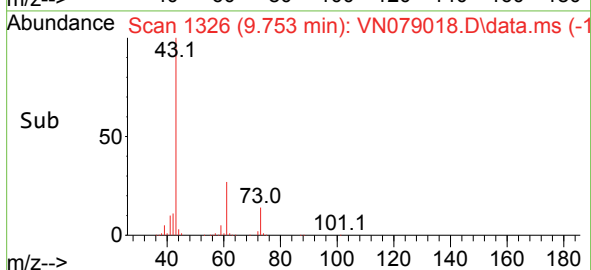
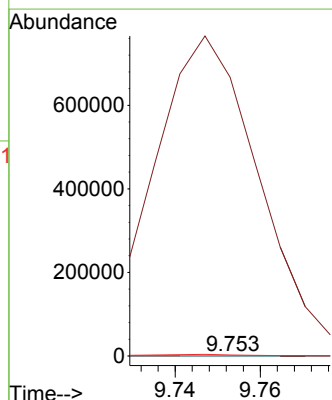
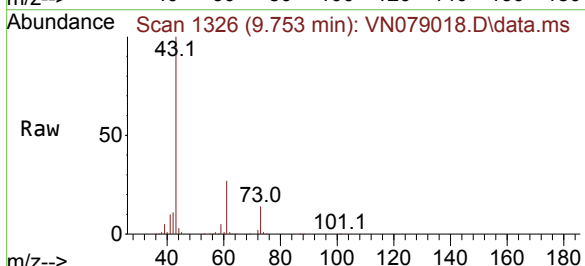
Tgt Ion: 88 Resp: 55

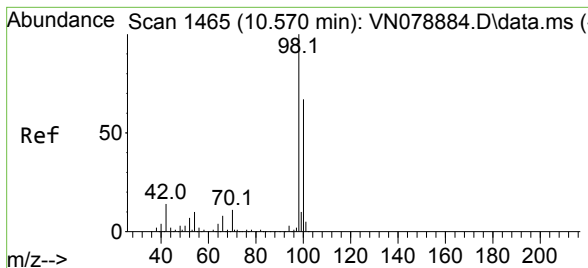
Ion Ratio Lower Upper

88 100

43 2498187.3 17.0 25.6#

58 11880.0 47.0 70.4#

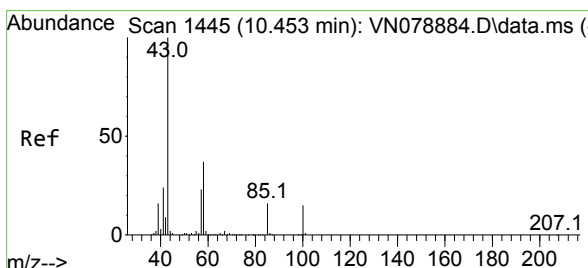
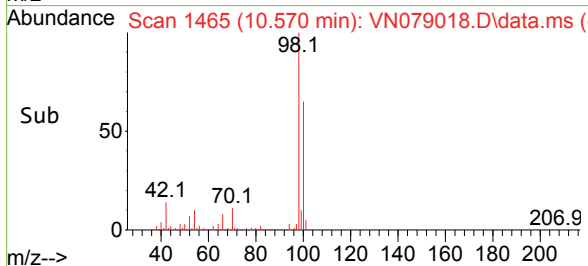
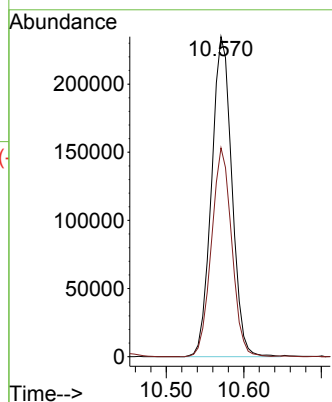
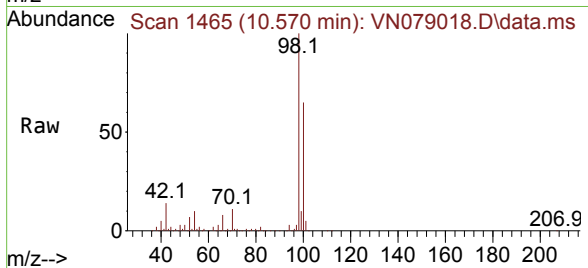




#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

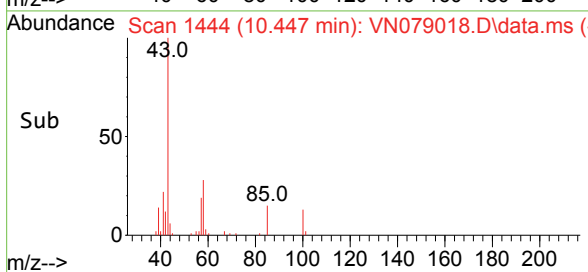
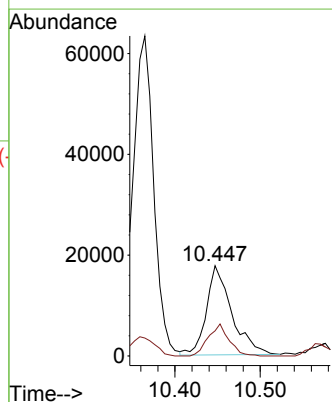
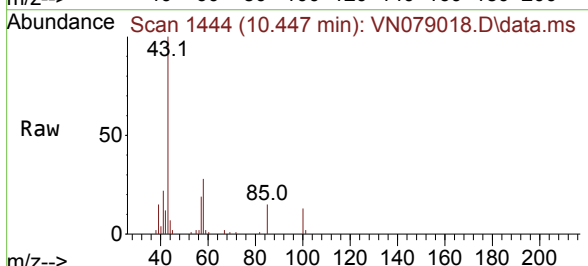
Instrument :
MSVOA_N
ClientSampleId :

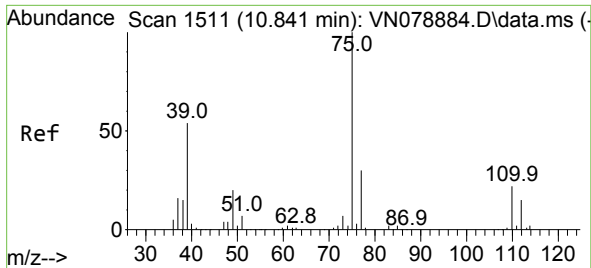
Tgt Ion: 98 Resp: 427999
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 9.180 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079018.D
Acq: 23 Aug 2023 16:00

Tgt Ion: 43 Resp: 36502
Ion Ratio Lower Upper
43 100
58 29.5 36.6 54.8#

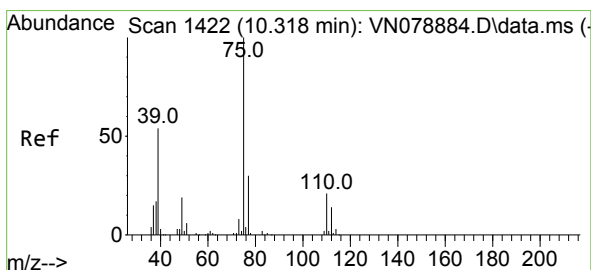
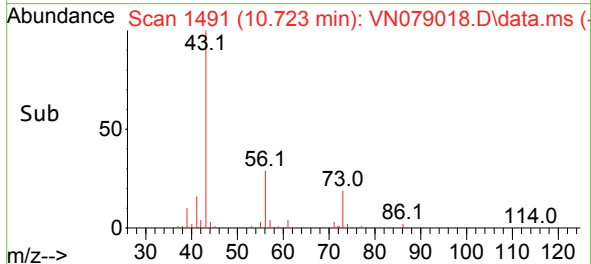
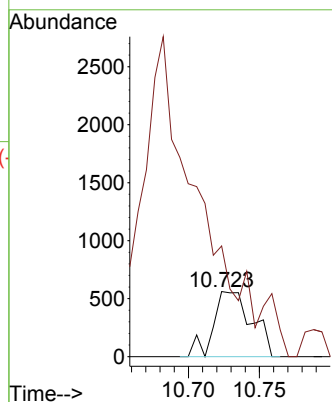
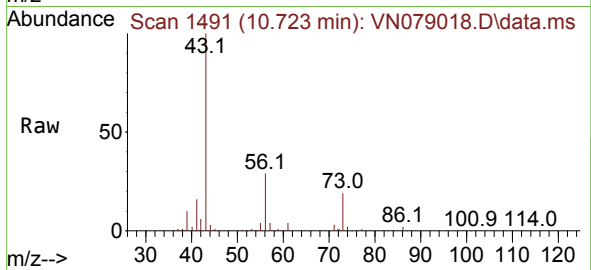




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.723 min Scan# 14
 Delta R.T. -0.118 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00

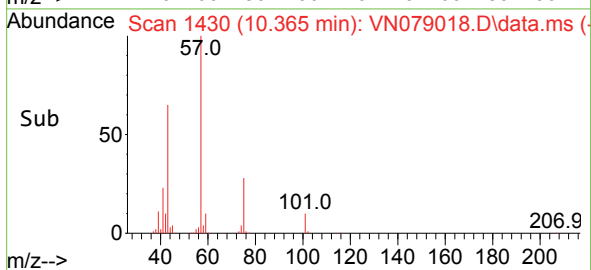
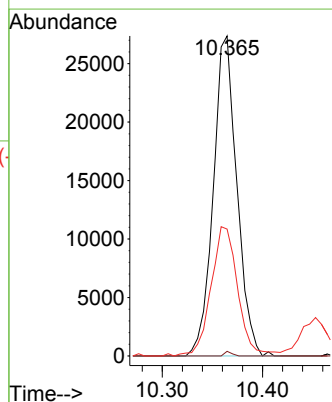
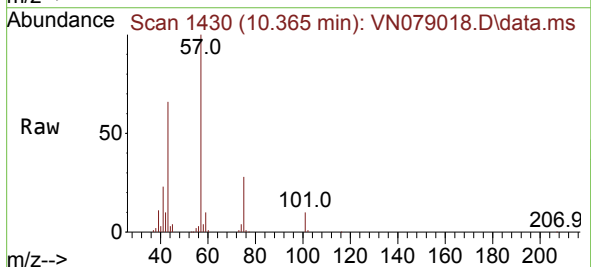
Instrument :
 MSVOA_N
 ClientSampleId :

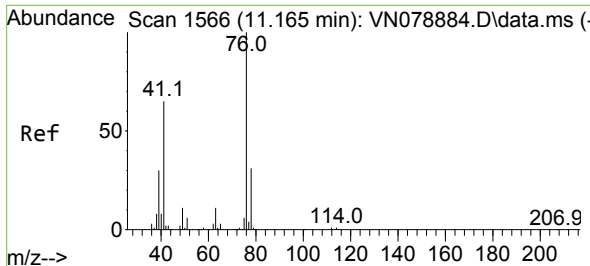
Tgt Ion: 75 Resp: 1055
 Ion Ratio Lower Upper
 75 100
 77 129.1 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.607 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00

Tgt Ion: 75 Resp: 44765
 Ion Ratio Lower Upper
 75 100
 77 1.5 26.1 39.1#
 39 39.1 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.393 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

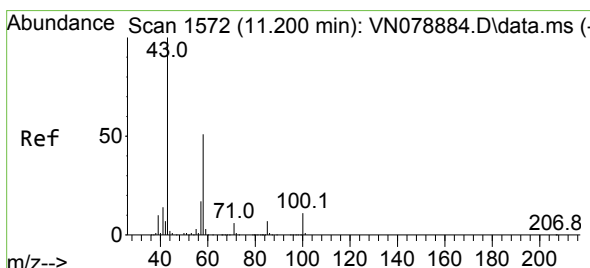
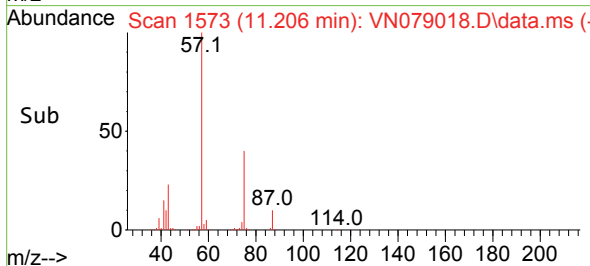
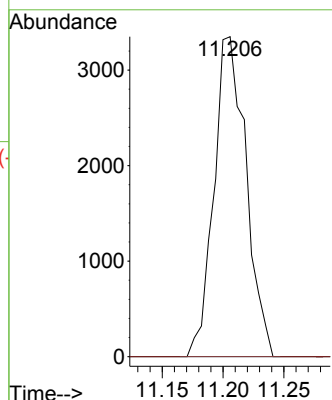
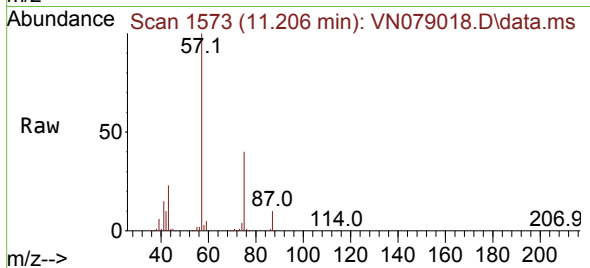
ClientSampleId :

Tgt Ion: 76 Resp: 6148

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.798 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079018.D

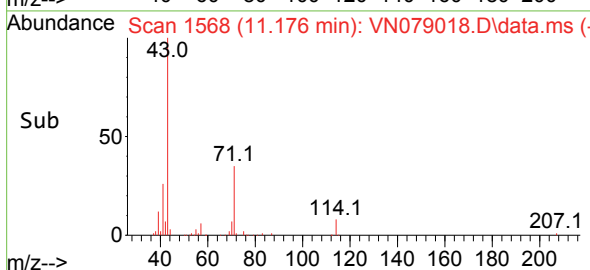
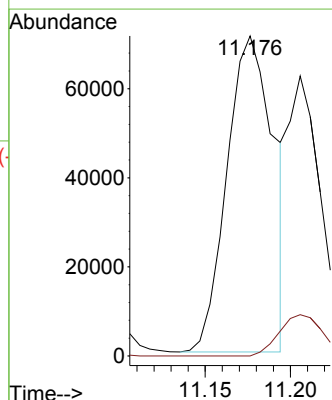
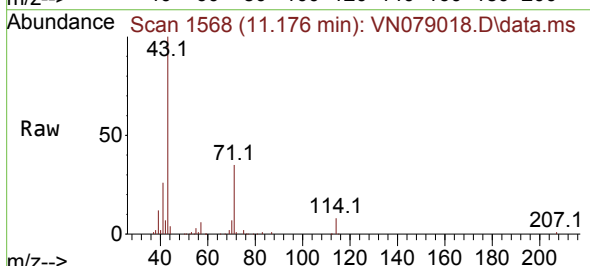
Acq: 23 Aug 2023 16:00

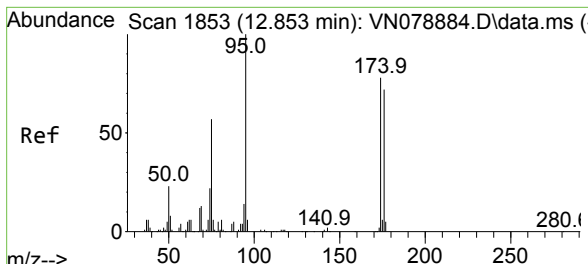
Tgt Ion: 43 Resp: 134779

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

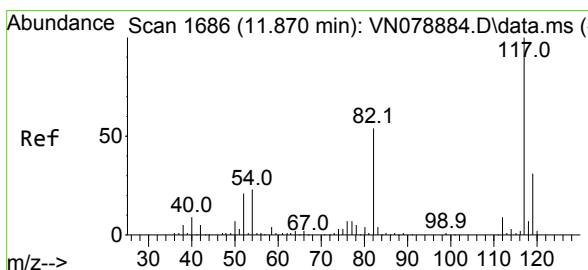
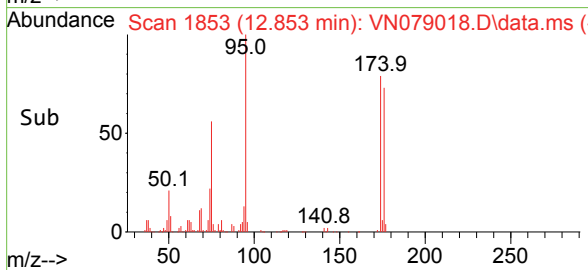
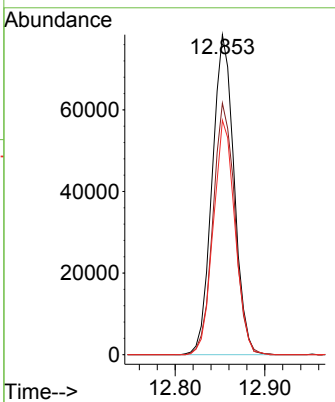
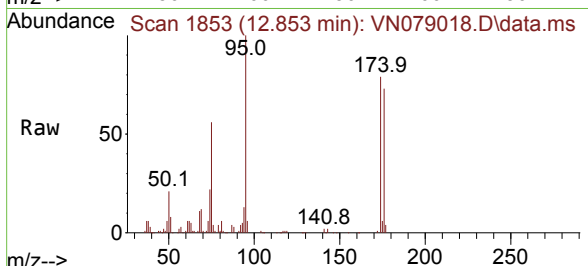




#62
 4-Bromofluorobenzene
 Concen: 48.576 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00

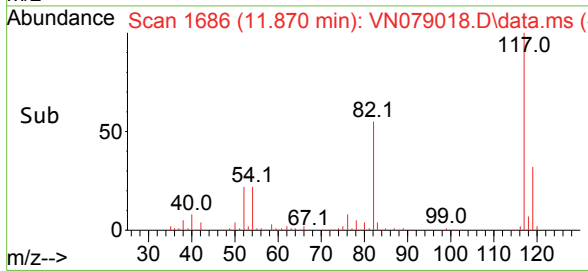
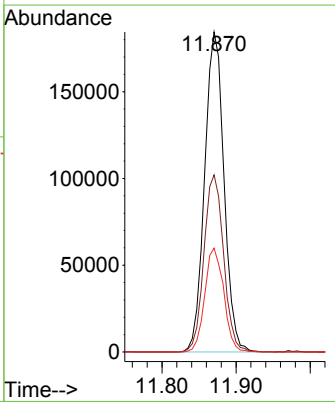
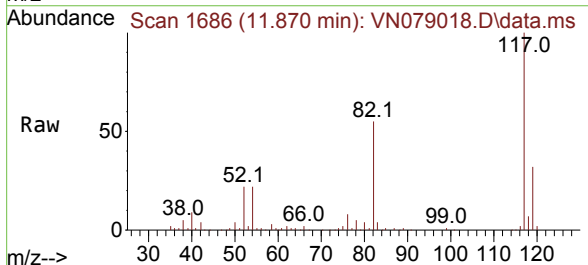
Instrument :
 MSVOA_N
 ClientSampleId :

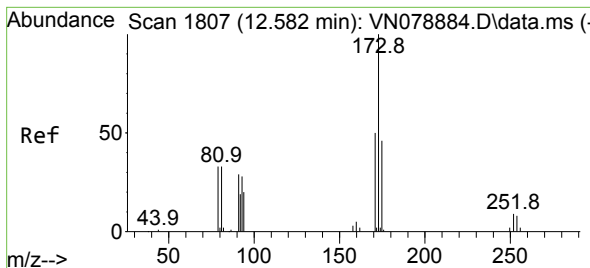
Tgt Ion:	95	Resp:	132865
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	143.8
176	72.6	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00

Tgt Ion:	117	Resp:	335264
Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.0	66.0
119	32.4	25.6	38.4





#71

Bromoform

Concen: 0.483 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

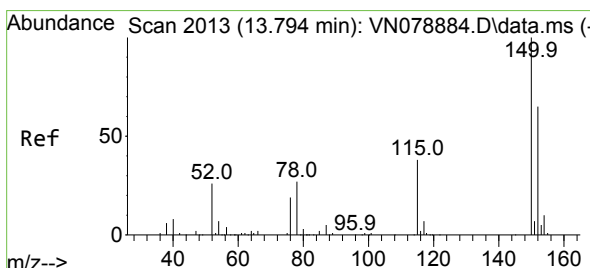
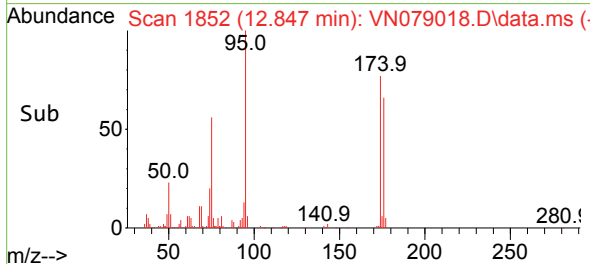
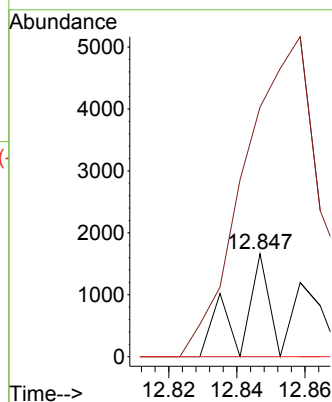
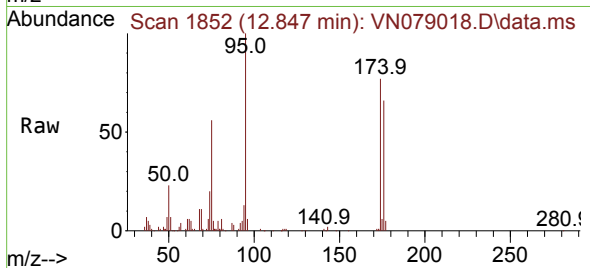
Tgt Ion:173 Resp: 947

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

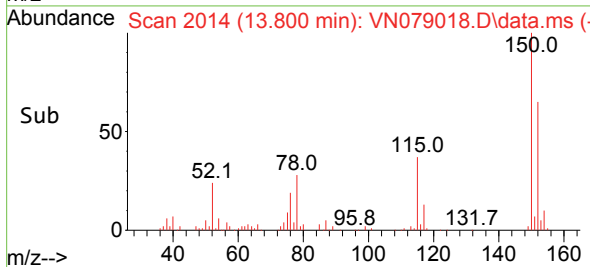
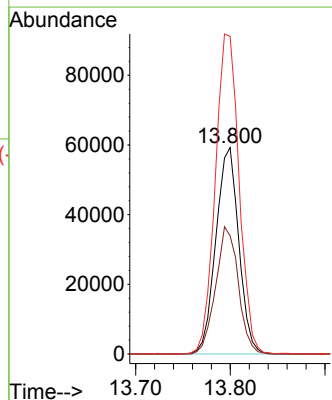
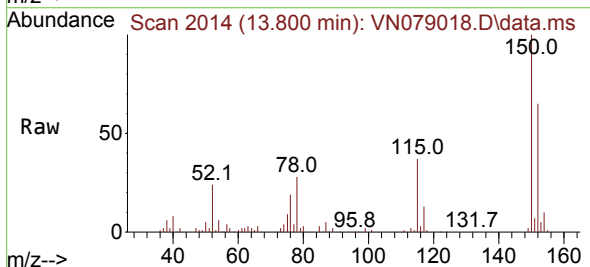
Tgt Ion:152 Resp: 99612

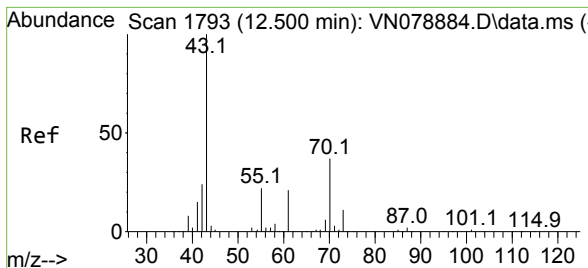
Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 160.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.358 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.018 min

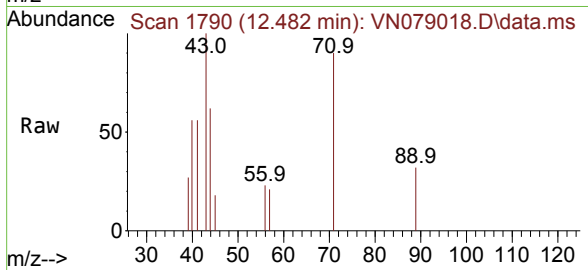
Lab File: VN079018.D

Acq: 23 Aug 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1501

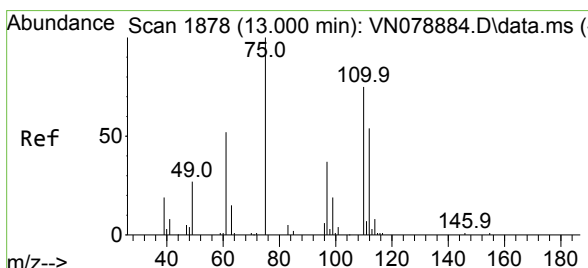
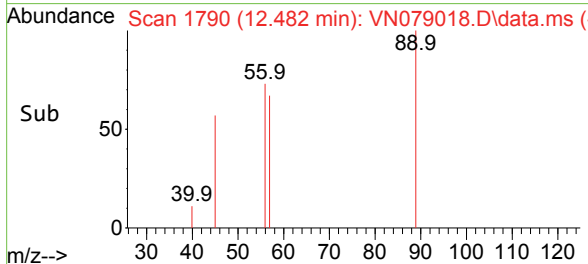
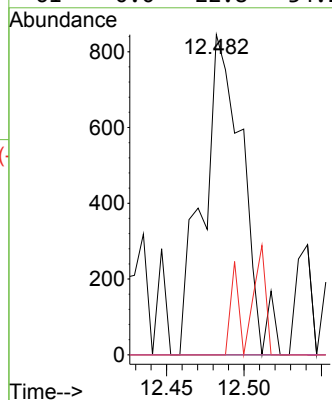
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 5.8 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 30.193 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079018.D

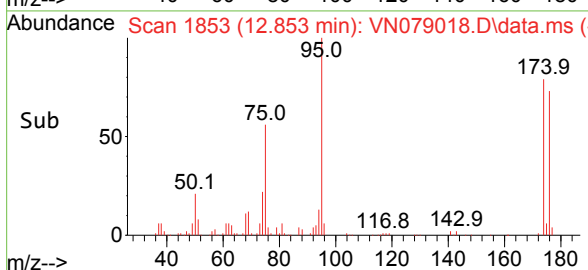
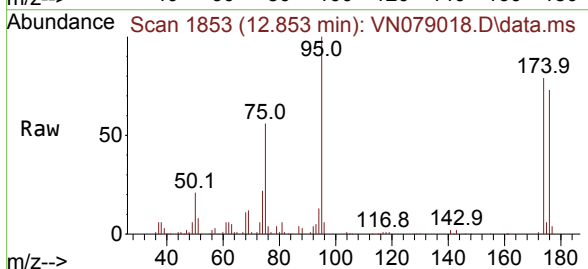
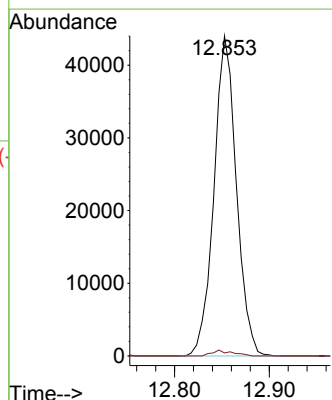
Acq: 23 Aug 2023 16:00

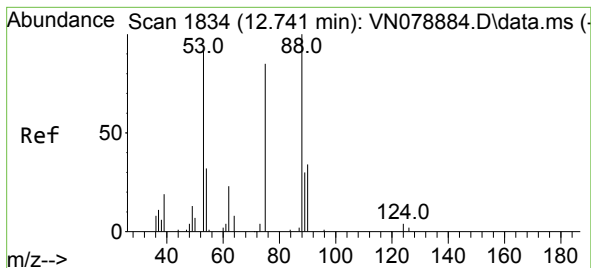
Tgt Ion: 75 Resp: 72468

Ion Ratio Lower Upper

75 100

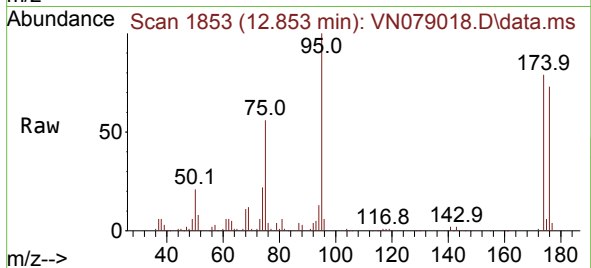
77 1.6 84.5 253.5#



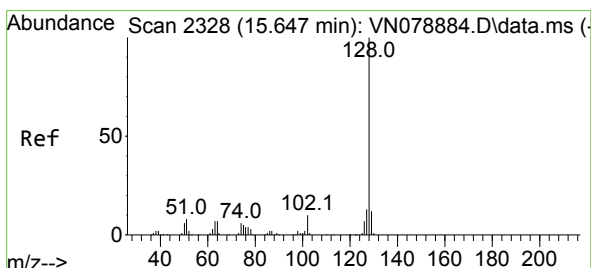
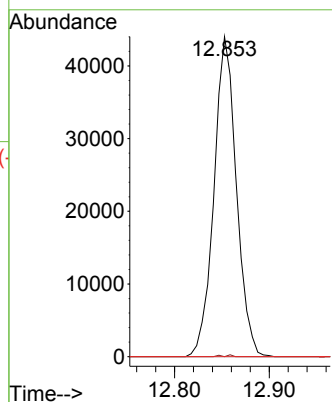
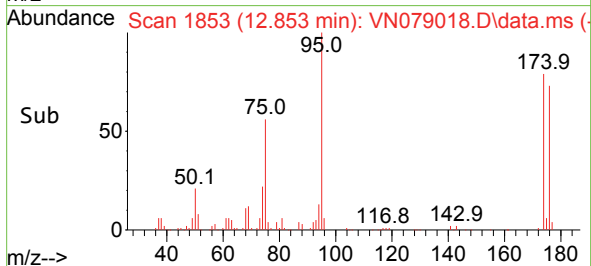


#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.130 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00

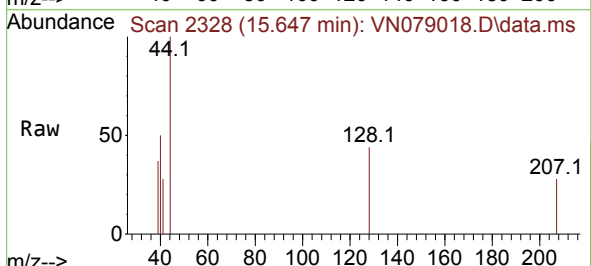
Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 72468
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 2.632 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. -0.000 min
 Lab File: VN079018.D
 Acq: 23 Aug 2023 16:00



Tgt Ion: 128 Resp: 280
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#

