

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079017.D
 Acq On : 23 Aug 2023 15:36
 Operator : JC\MD
 Sample : 04091-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:12:32 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

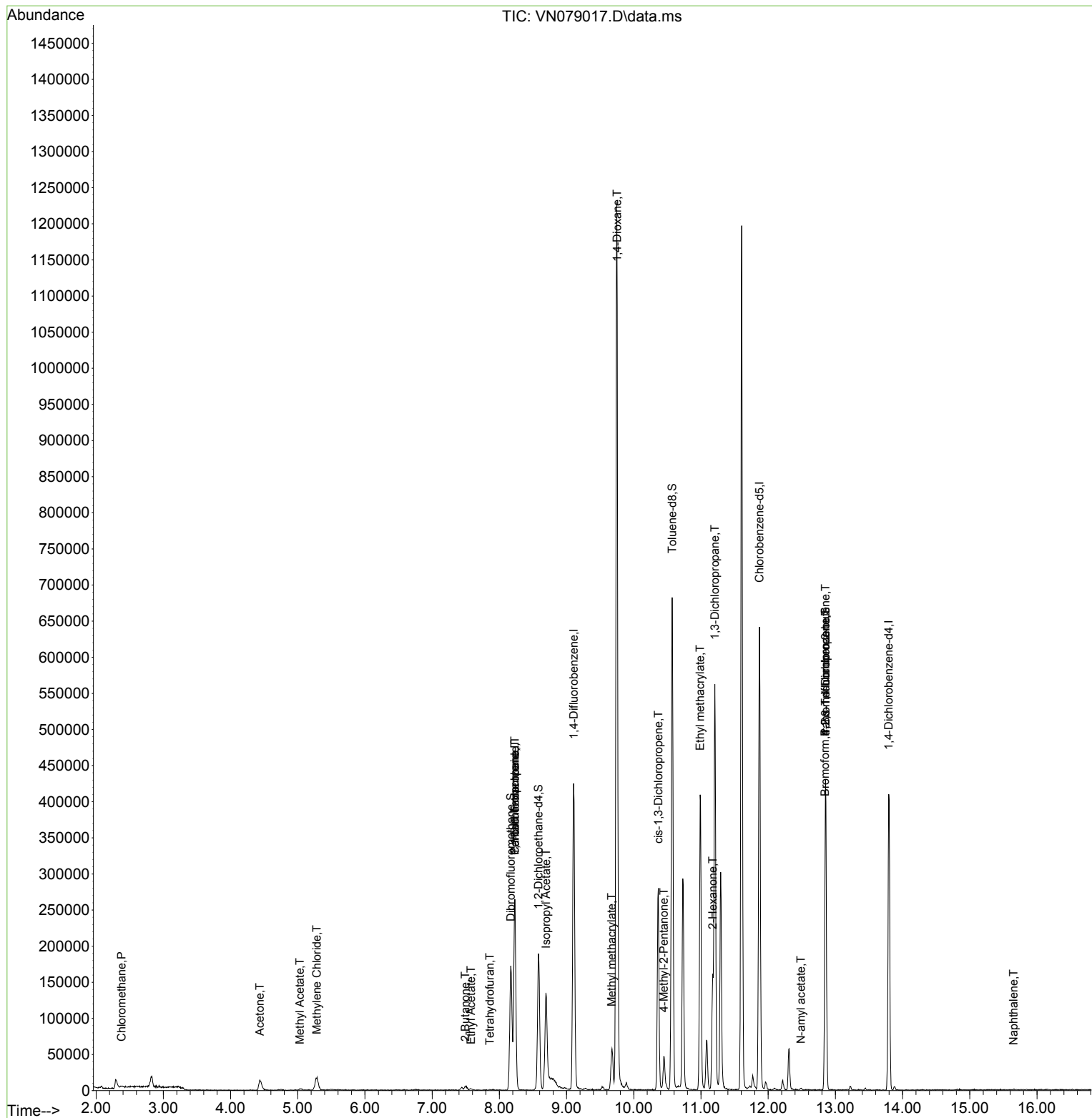
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	184340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	358750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	357916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149993	52.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.580%	
35) Dibromofluoromethane	8.171	113	123431	51.112	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.220%	
50) Toluene-d8	10.570	98	450778	50.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.853	95	143319	48.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.800%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1041	0.291	ug/l	100
16) Acetone	4.436	43	27674	23.382	ug/l	92
18) Methyl Acetate	5.030	43	1790	0.358	ug/l #	62
20) Methylene Chloride	5.283	84	13245	5.251	ug/l #	93
25) 2-Butanone	7.494	43	9831	5.181	ug/l #	63
29) Tetrahydrofuran	7.859	42	493	0.393	ug/l #	30
31) Cyclohexane	8.235	56	4697	Below Cal	#	55
36) 1,1-Dichloropropene	8.229	75	16437	4.525	ug/l #	47
37) Ethyl Acetate	7.577	43	3776	0.929	ug/l #	85
38) Carbon Tetrachloride	8.229	117	19429	5.338	ug/l #	17
43) Isopropyl Acetate	8.694	43	168570	23.465	ug/l #	74
48) Methyl methacrylate	9.671	41	4464	1.371	ug/l #	33
49) 1,4-Dioxane	9.753	88	67	1.208	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	36871	8.654	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	44125	9.757	ug/l #	70
56) Ethyl methacrylate	10.988	69	2355	0.575	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5670	1.199	ug/l #	42
59) 2-Hexanone	11.176	43	133953	43.406	ug/l #	19
71) Bromoform	12.847	173	1066	0.509	ug/l #	28
74) N-amyl acetate	12.488	43	1769	0.391	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	78467	30.300	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78467	77.403	ug/l #	15
95) Naphthalene	15.653	128	630	2.695	ug/l #	70

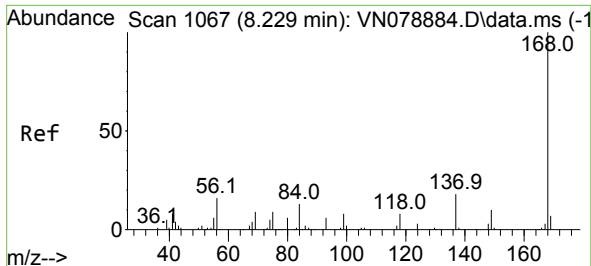
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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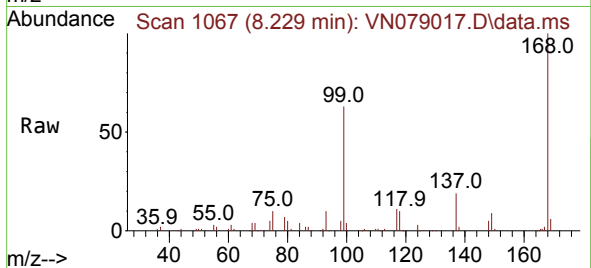
Quant Time: Aug 24 01:12:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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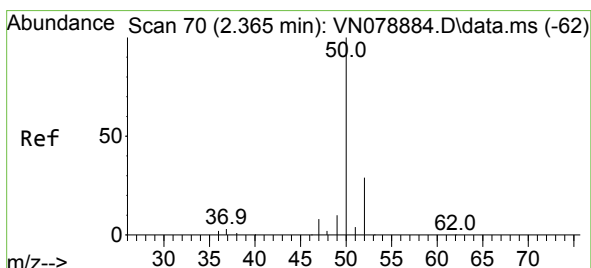
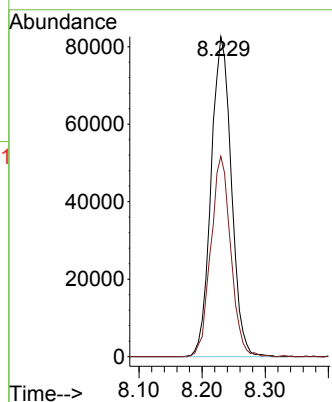
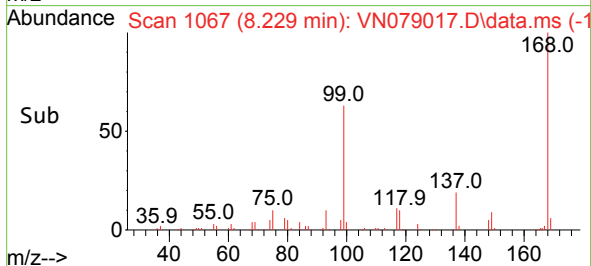


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

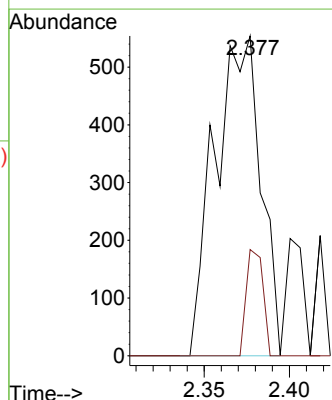
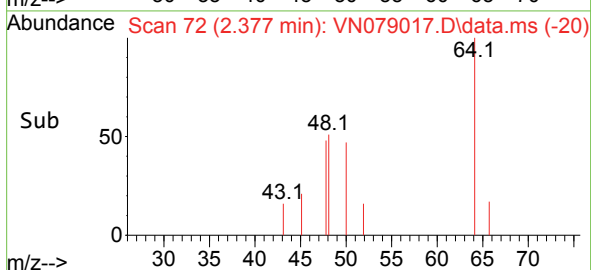
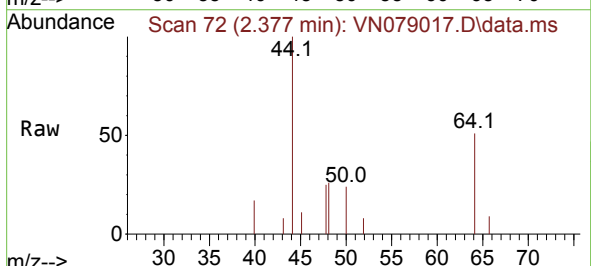


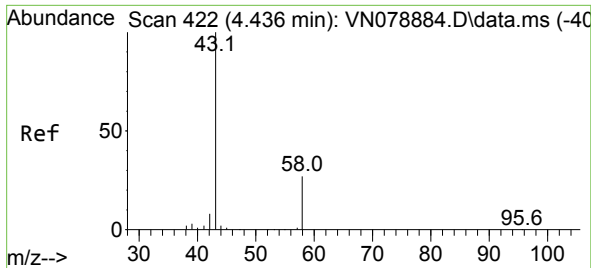
Tgt Ion:168 Resp: 184340
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 33.2 26.5 39.7

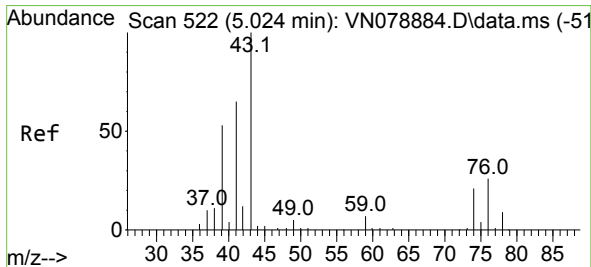
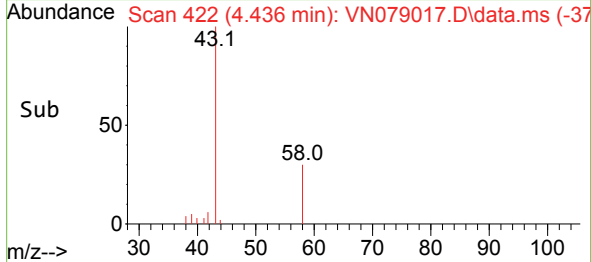
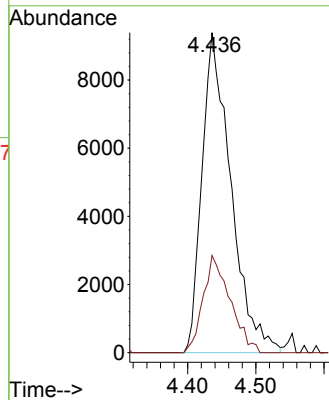
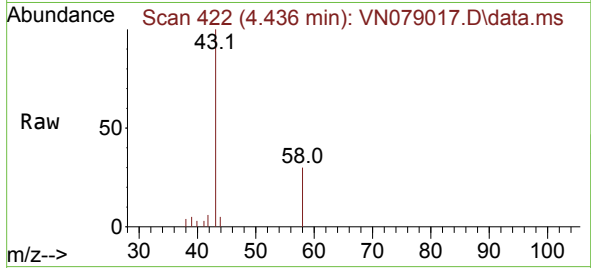




#16
Acetone
Concen: 23.382 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

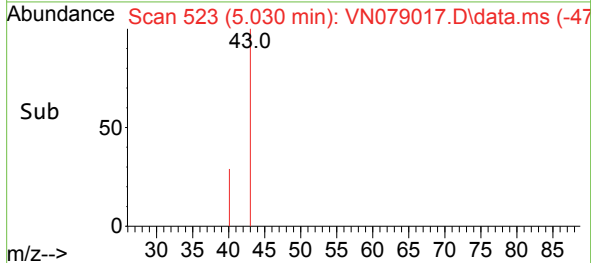
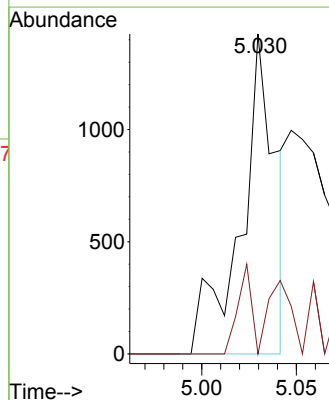
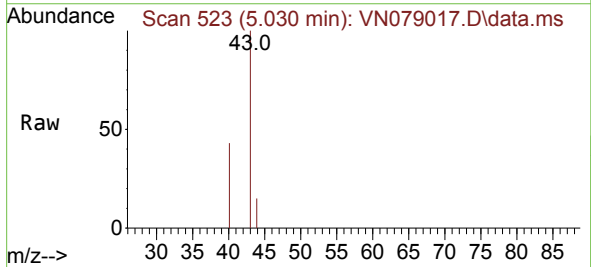
Instrument :
MSVOA_N
ClientSampleId :

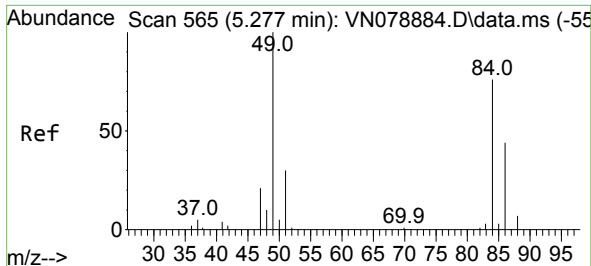
Tgt Ion: 43 Resp: 27674
Ion Ratio Lower Upper
43 100
58 30.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.358 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

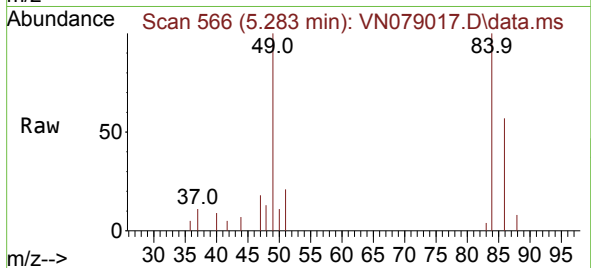
Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
74 11.2 26.2 39.4#



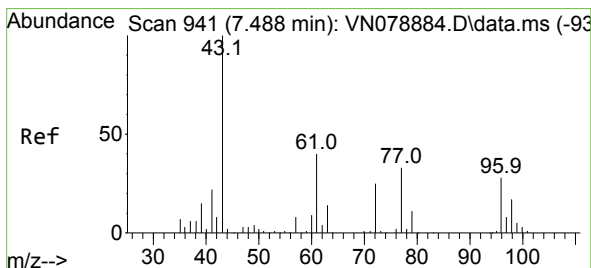
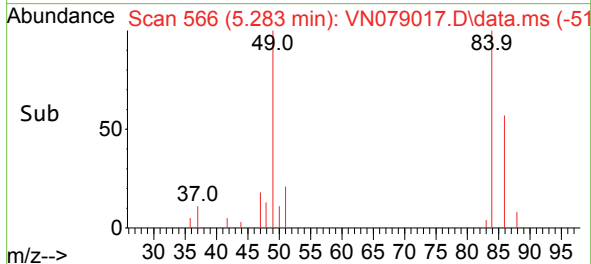
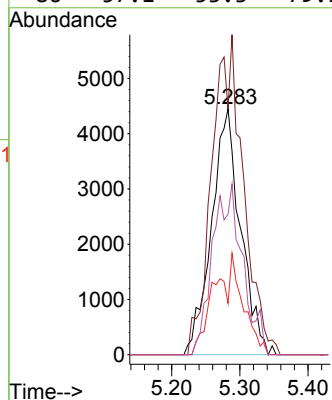


#20
Methylene Chloride
Concen: 5.251 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

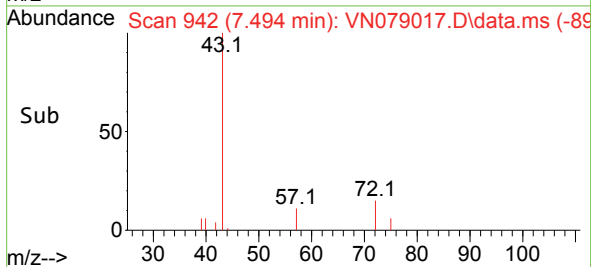
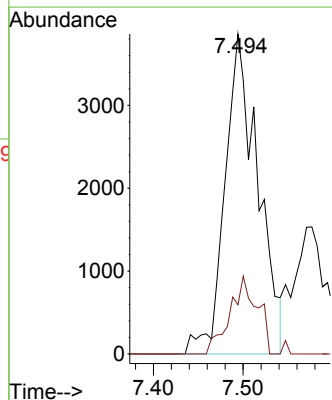
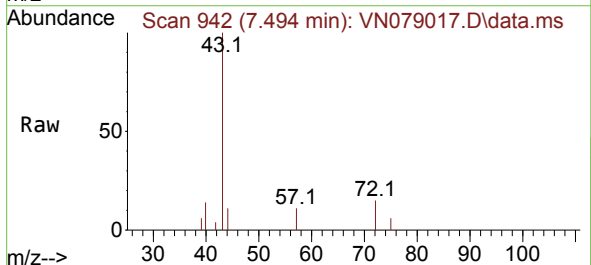


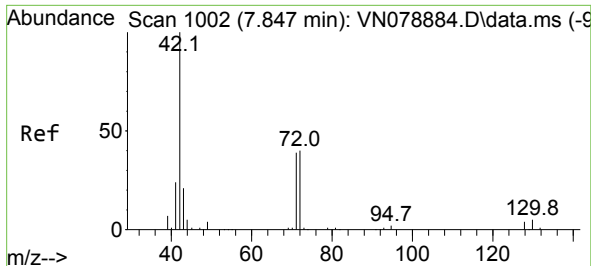
Tgt Ion: 84	Resp: 13245
Ion Ratio	Lower Upper
84 100	
49 99.8	79.7 119.5
51 20.9	25.2 37.8#
86 57.1	53.3 79.9



#25
2-Butanone
Concen: 5.181 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 43	Resp: 9831
Ion Ratio	Lower Upper
43 100	
72 15.4	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.393 ug/l

RT: 7.859 min Scan# 1068

Delta R.T. 0.012 min

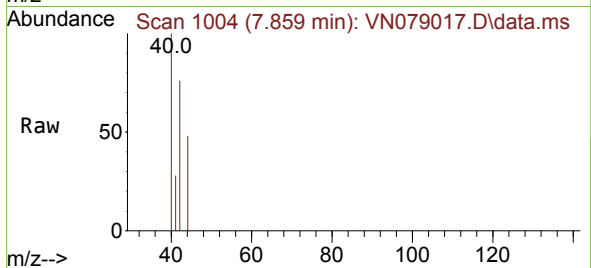
Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

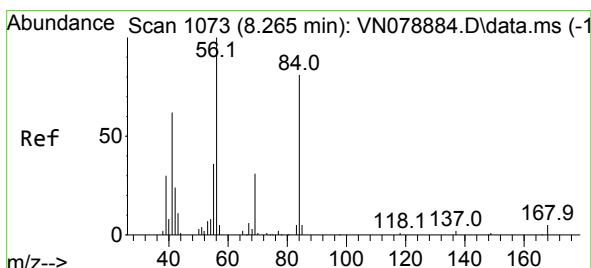
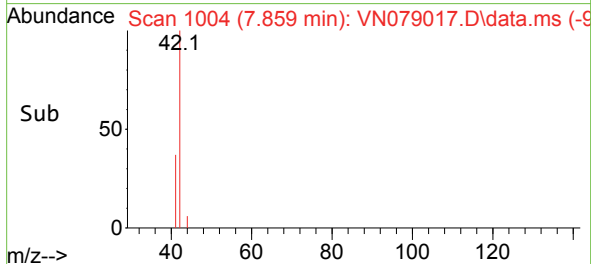
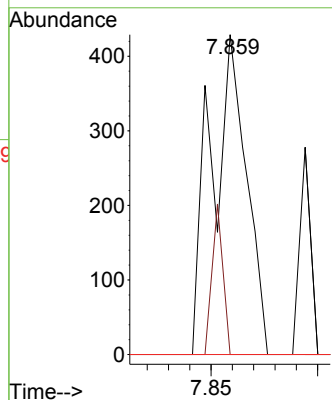
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	493
Ion	Ratio	Lower	Upper
42	100		
72	14.4	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: Below Cal

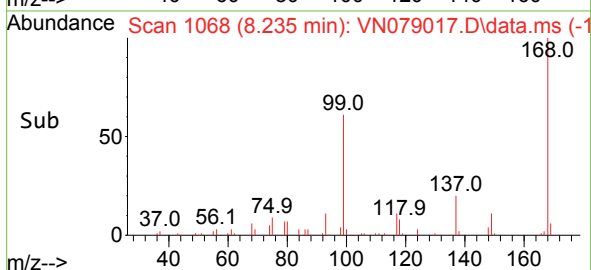
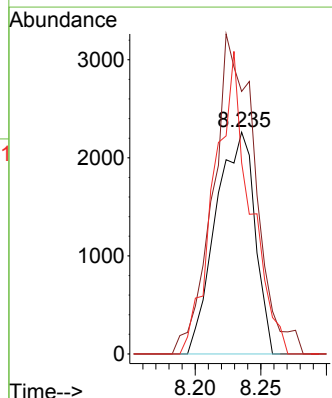
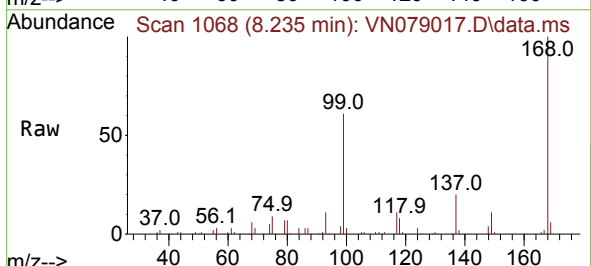
RT: 8.235 min Scan# 1068

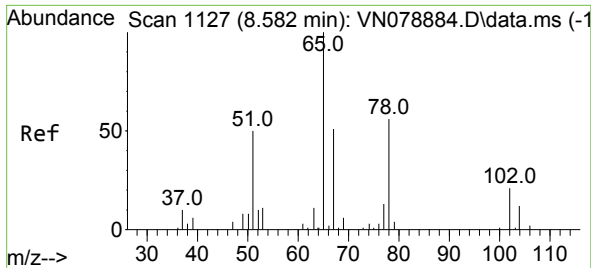
Delta R.T. -0.030 min

Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Tgt Ion:	56	Resp:	4697
Ion	Ratio	Lower	Upper
56	100		
69	110.1	26.8	40.2#
84	86.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 52.290 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Instrument :

MSVOA_N

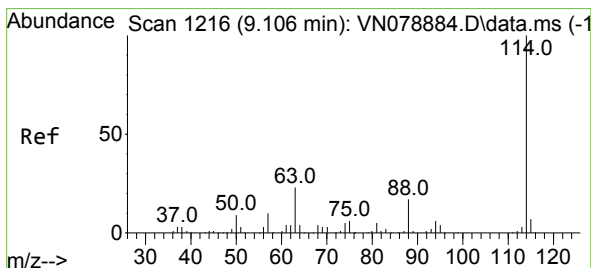
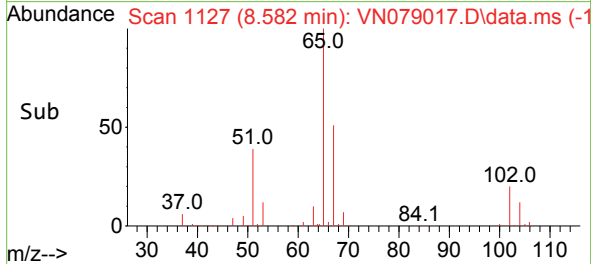
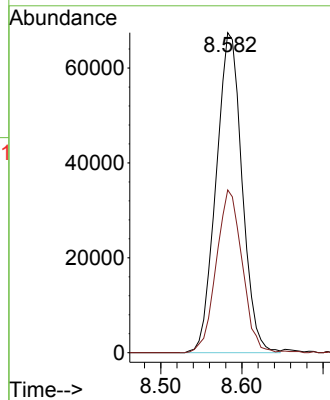
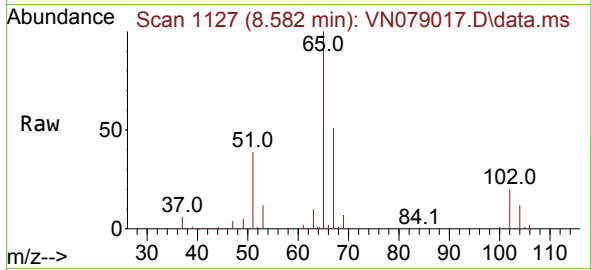
ClientSampleId :

Tgt Ion: 65 Resp: 149993

Ion Ratio Lower Upper

65 100

67 50.8 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: VN079017.D

Acq: 23 Aug 2023 15:36

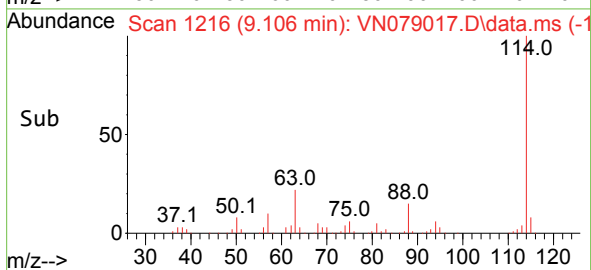
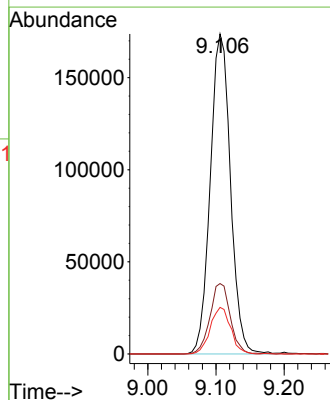
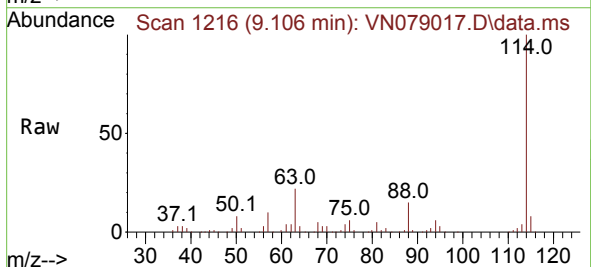
Tgt Ion: 114 Resp: 358750

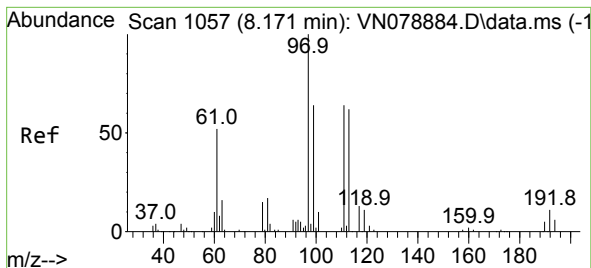
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.112 ug/l

RT: 8.171 min Scan# 1067

Delta R.T. -0.000 min

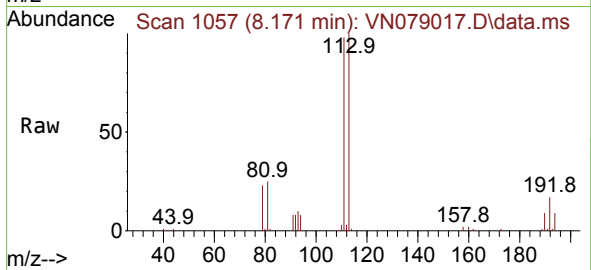
Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :



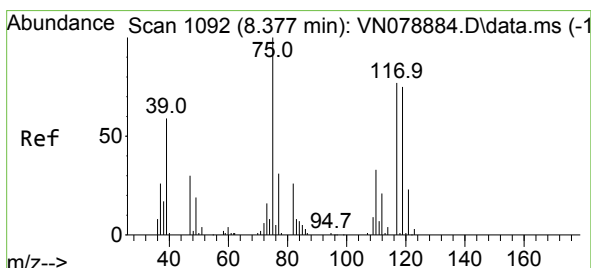
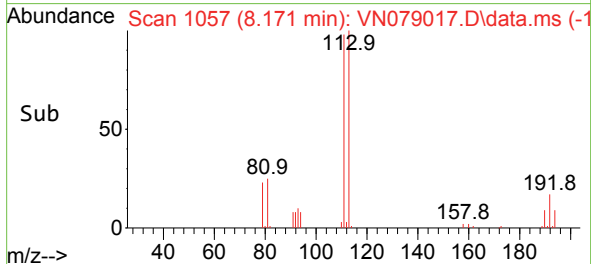
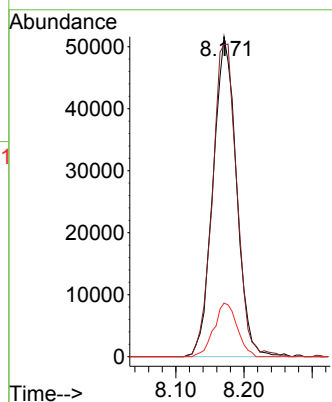
Tgt Ion:113 Resp: 123431

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.525 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

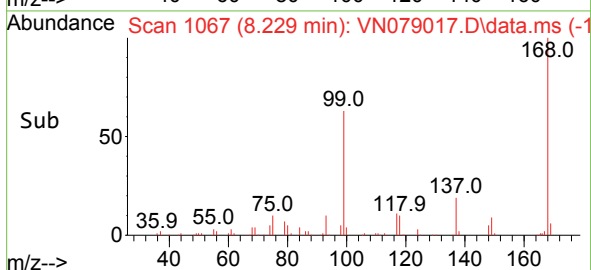
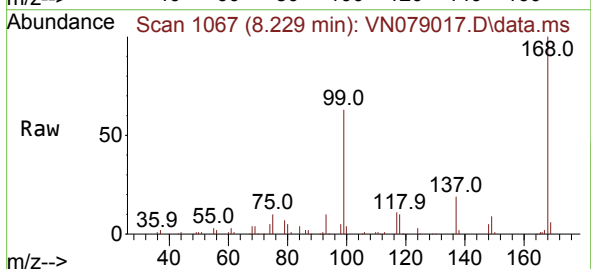
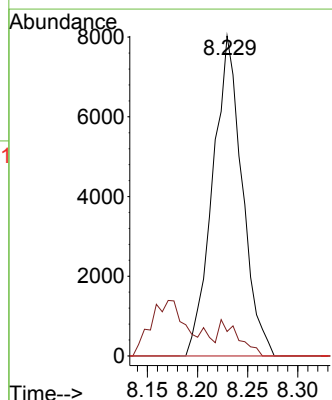
Tgt Ion: 75 Resp: 16437

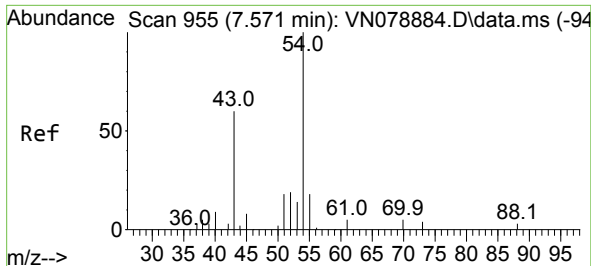
Ion Ratio Lower Upper

75 100

110 7.4 19.1 57.3#

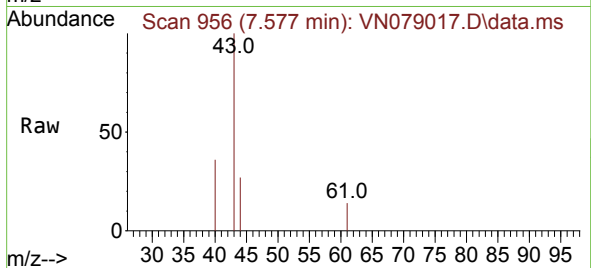
77 0.0 25.0 37.4#



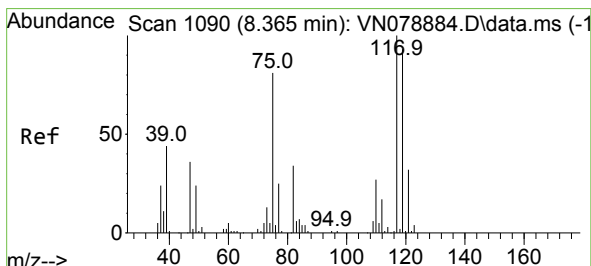
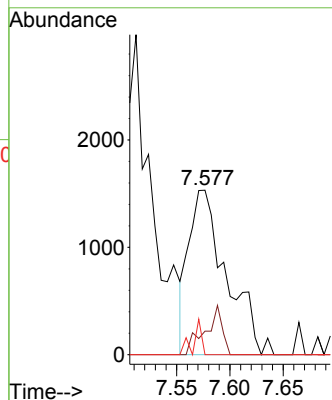
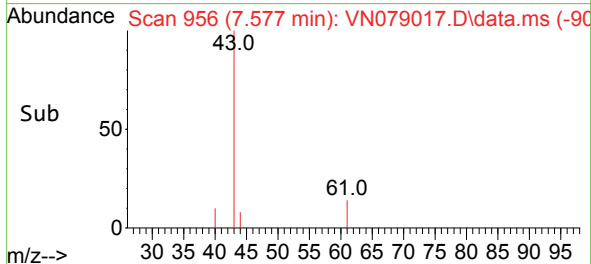


#37
Ethyl Acetate
Concen: 0.929 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

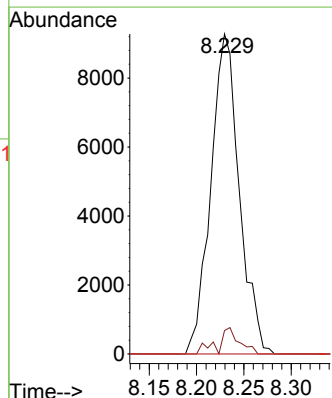
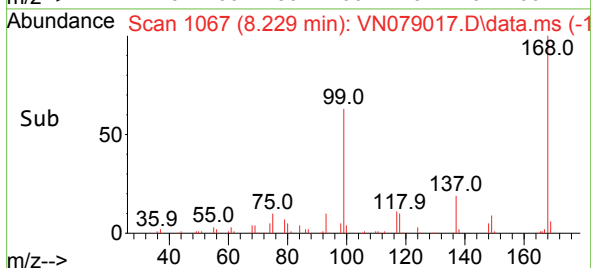
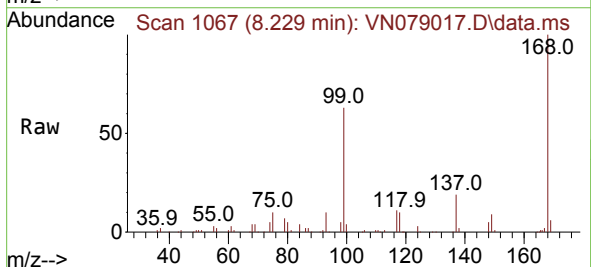


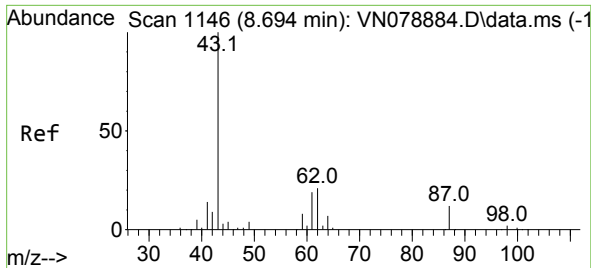
Tgt Ion: 43 Resp: 3776
Ion Ratio Lower Upper
43 100
61 13.5 13.2 19.8
70 4.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 117 Resp: 19429
Ion Ratio Lower Upper
117 100
119 7.3 77.3 115.9#
121 0.0 23.3 34.9#

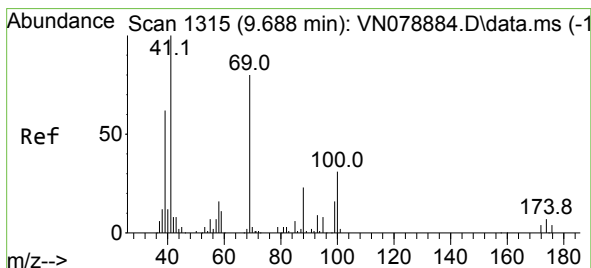
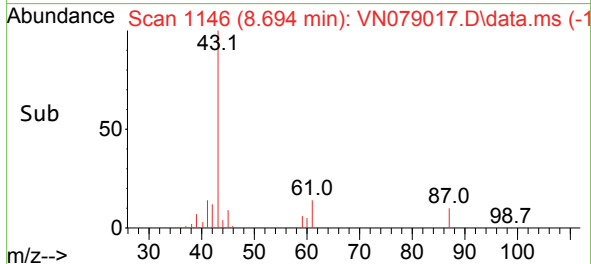
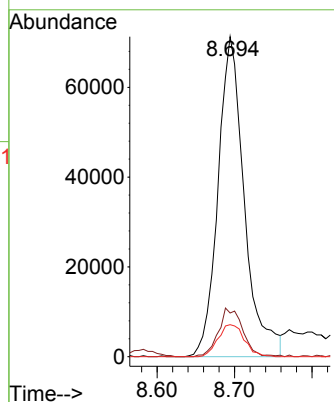
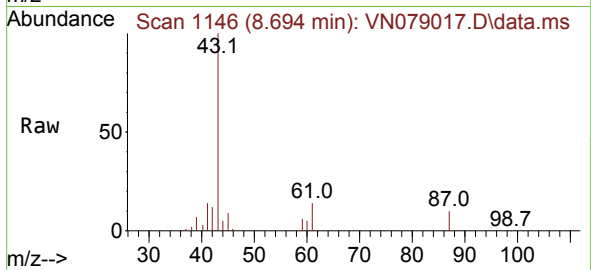




#43
Isopropyl Acetate
Concen: 23.465 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

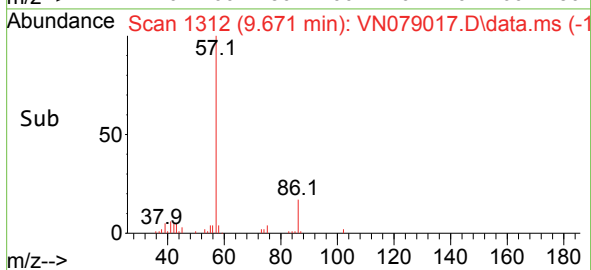
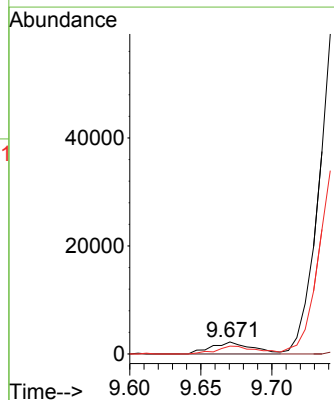
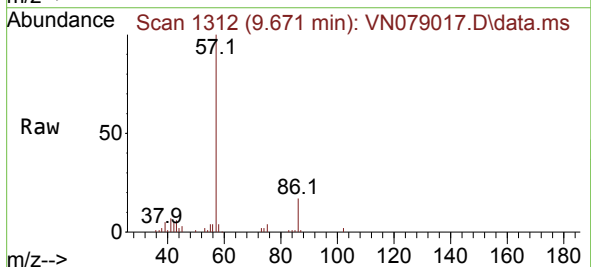
Instrument :
MSVOA_N
ClientSampleId :

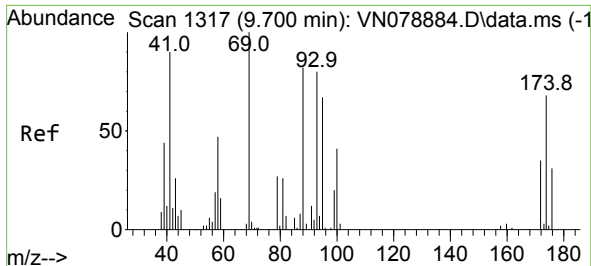
Tgt Ion: 43 Resp: 168570
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 10.0 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.371 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 41 Resp: 4464
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 64.4 54.6 81.8





#49

1,4-Dioxane

Concen: 1.208 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.053 min

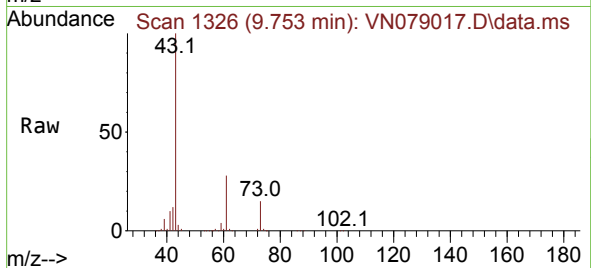
Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :



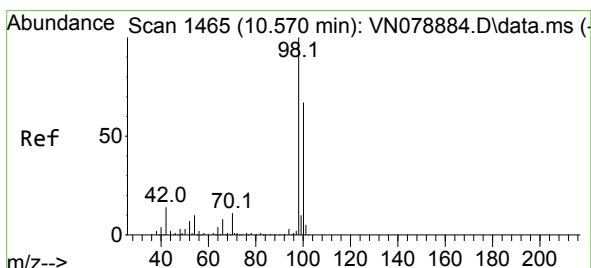
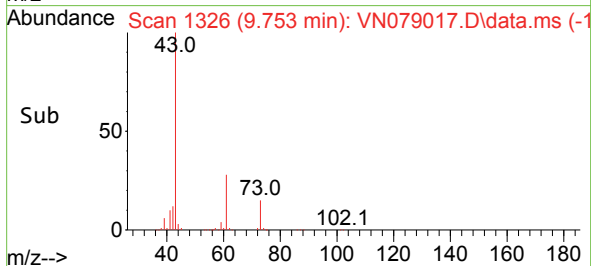
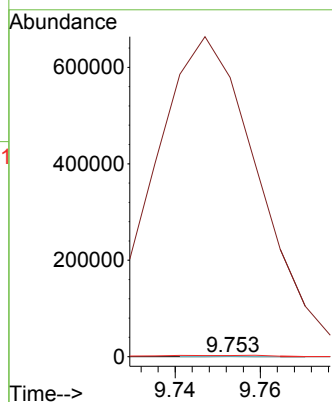
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 1778088.1 17.0 25.6#

58 8785.1 47.0 70.4#



#50

Toluene-d8

Concen: 50.272 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079017.D

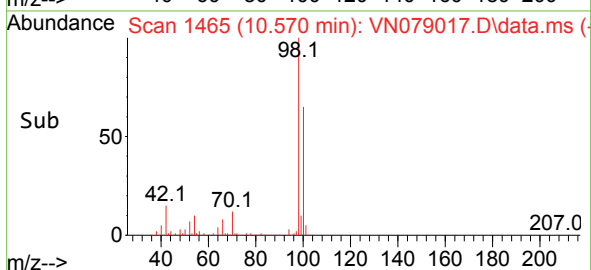
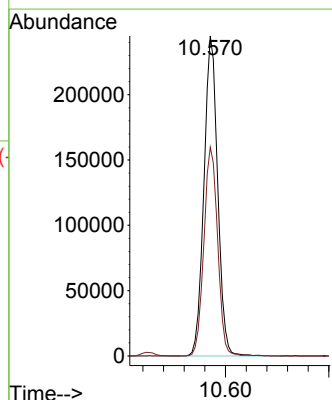
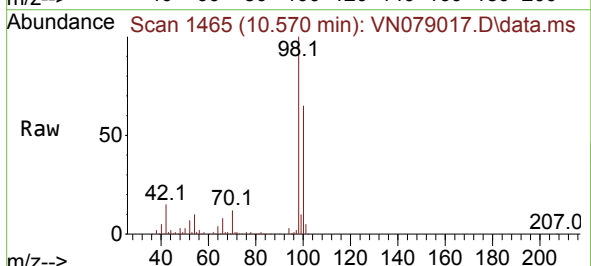
Acq: 23 Aug 2023 15:36

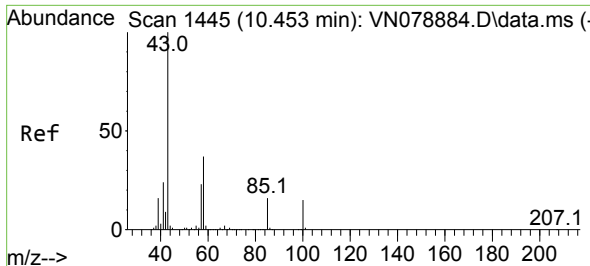
Tgt Ion: 98 Resp: 450778

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

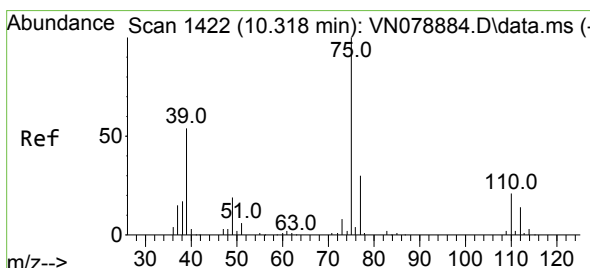
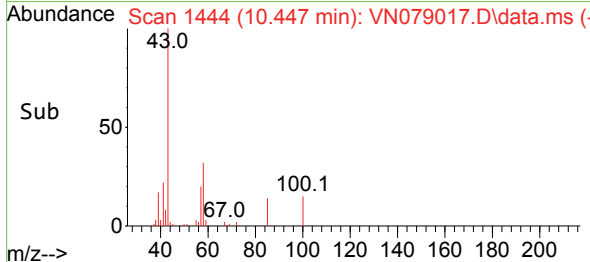
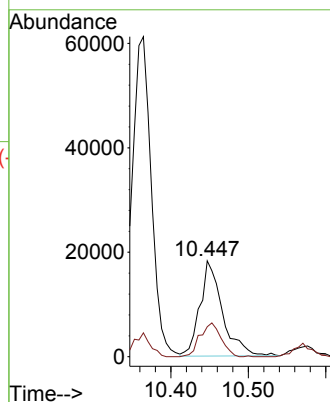
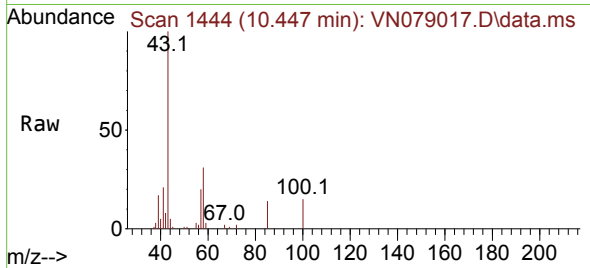




#51
4-Methyl-2-Pentanone
Concen: 8.654 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

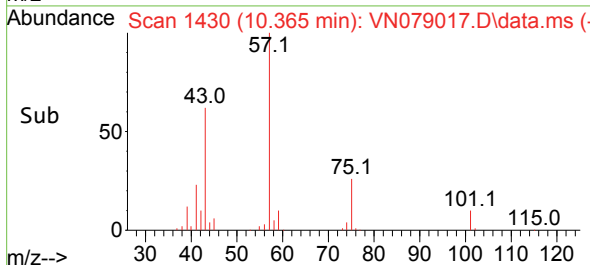
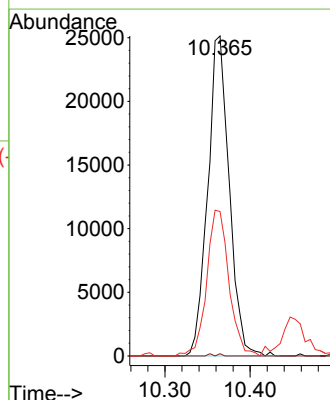
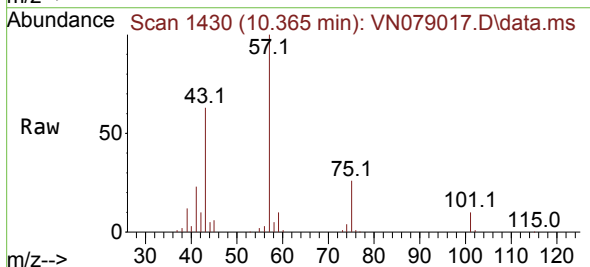
Instrument :
MSVOA_N
ClientSampleId :

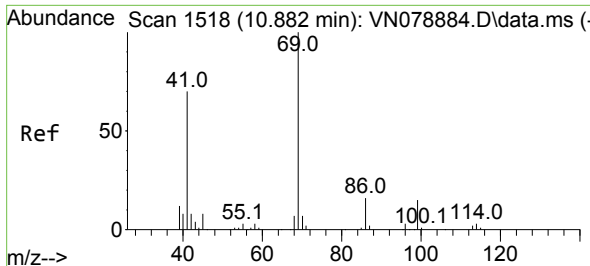
Tgt Ion: 43 Resp: 36871
Ion Ratio Lower Upper
43 100
58 33.2 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.757 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 75 Resp: 44125
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 44.2 31.6 47.4

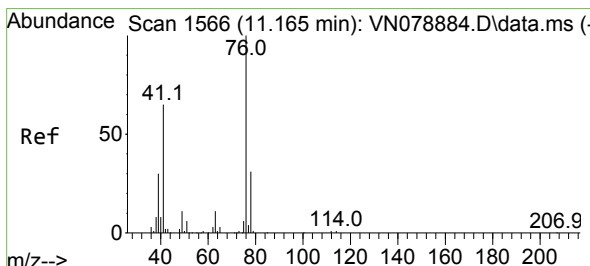
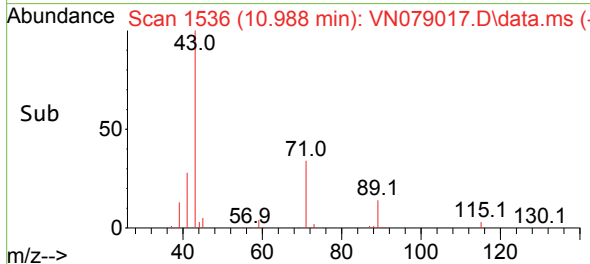
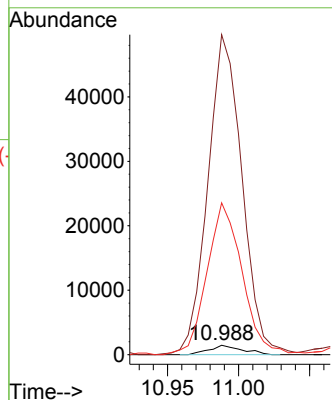
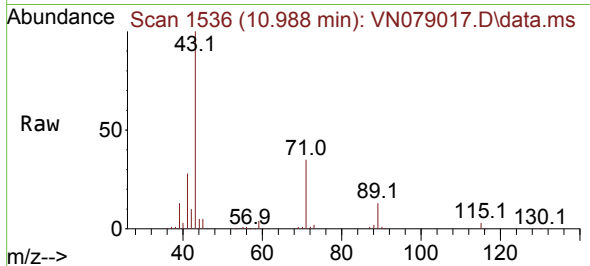




#56
Ethyl methacrylate
Concen: 0.575 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

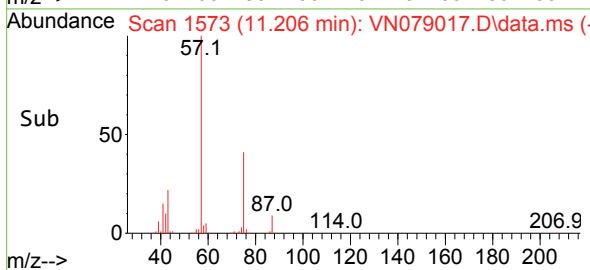
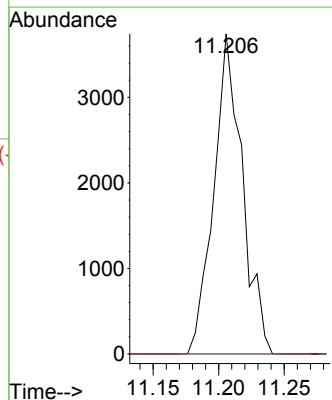
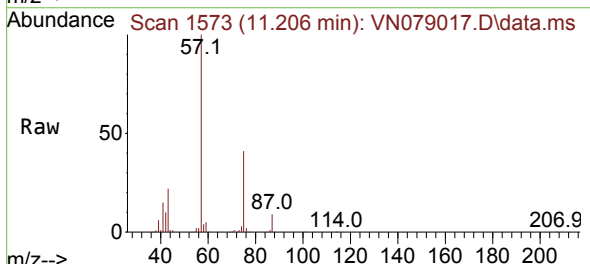
Instrument :
MSVOA_N
ClientSampleId :

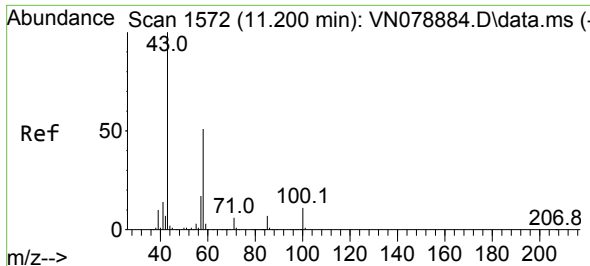
Tgt Ion: 69 Resp: 2355
Ion Ratio Lower Upper
69 100
41 3533.2 39.6 59.4#
39 1726.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.199 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 76 Resp: 5670
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

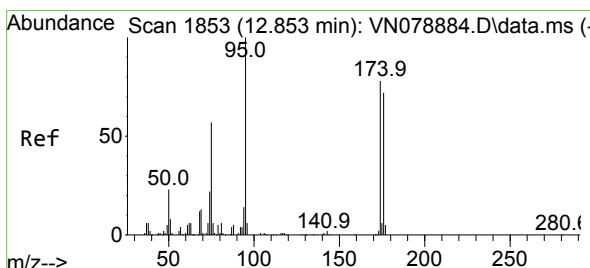
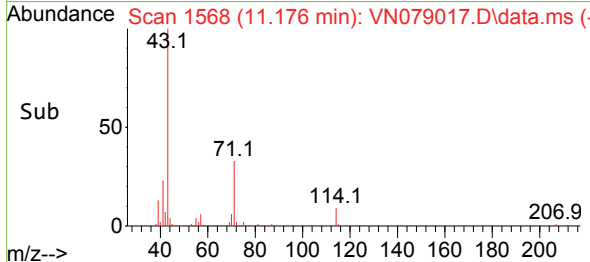
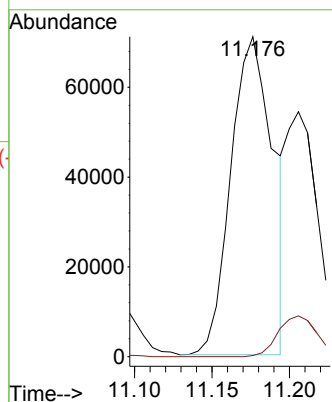
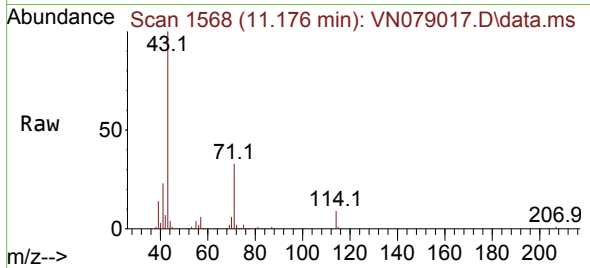




#59
2-Hexanone
Concen: 43.406 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

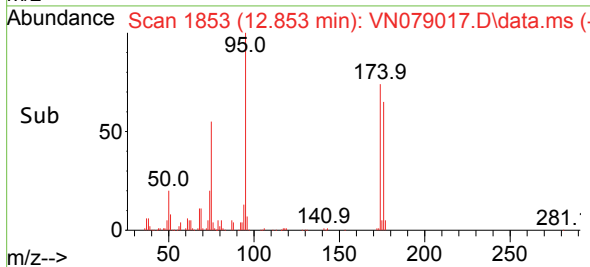
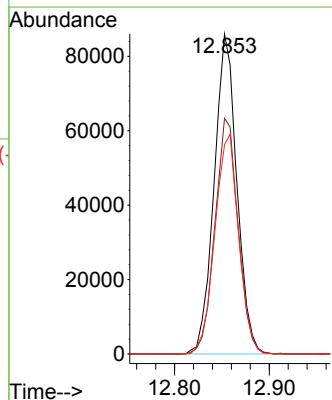
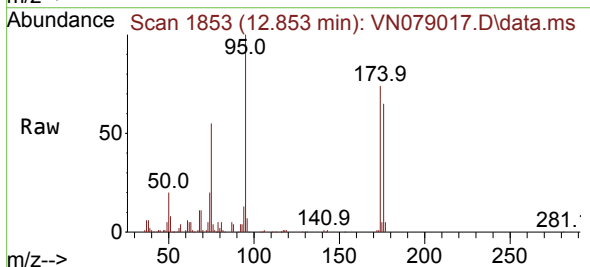
Instrument :
MSVOA_N
ClientSampleId :

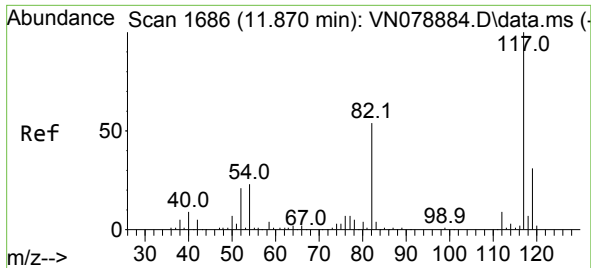
Tgt Ion: 43 Resp: 133953
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.900 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

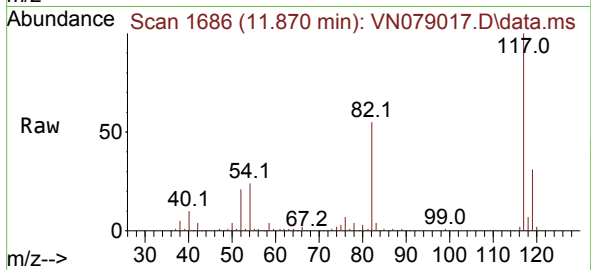
Tgt Ion: 95 Resp: 143319
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 71.7 0.0 135.8



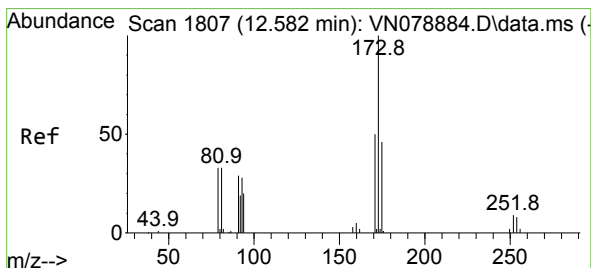
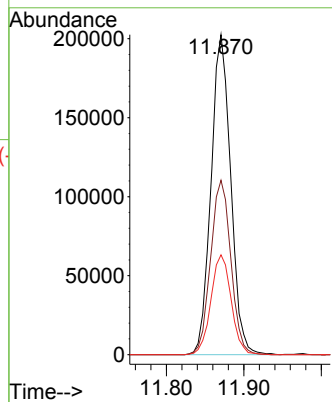
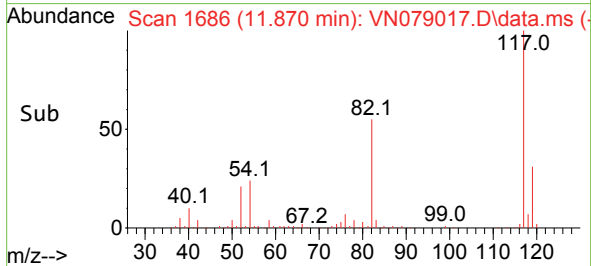


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :

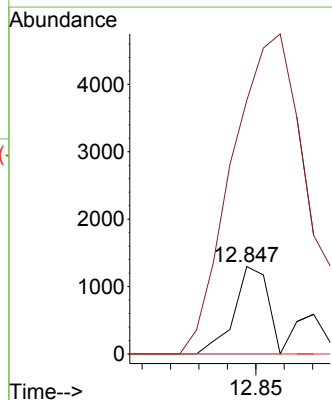
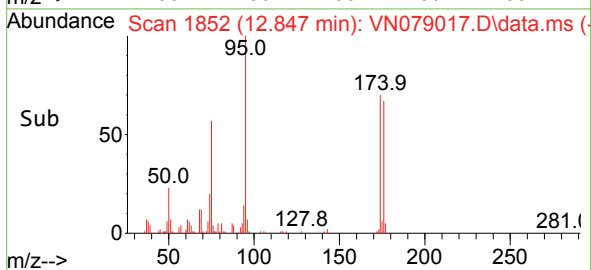
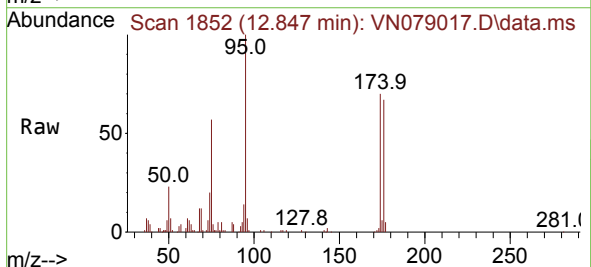


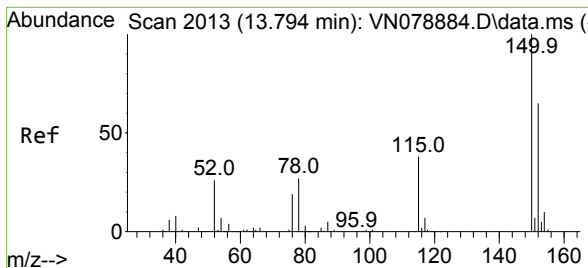
Tgt Ion:117 Resp: 357916
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.2 25.6 38.4



#71
Bromoform
Concen: 0.509 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion:173 Resp: 1066
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: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

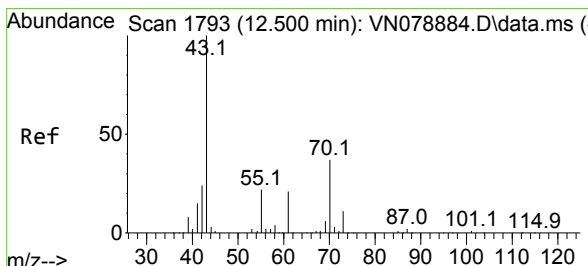
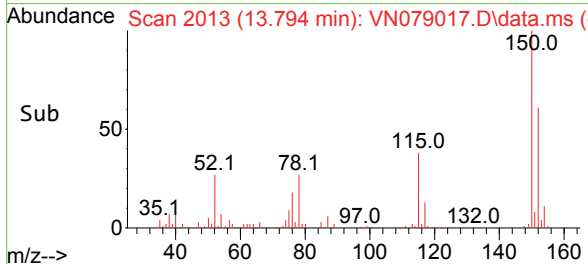
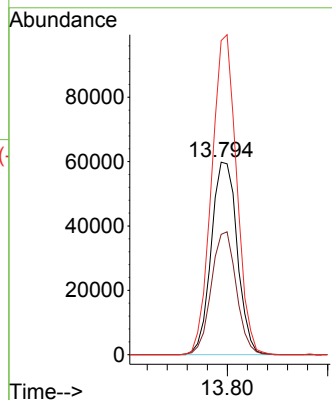
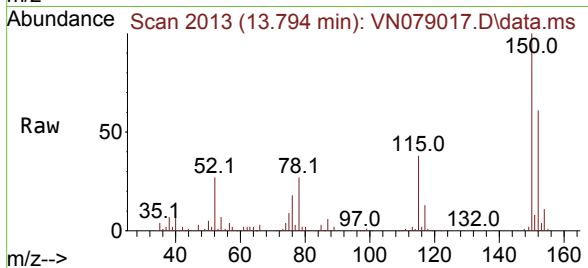
Tgt Ion:152 Resp: 107478

Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 159.9 0.0 355.8



#74

N-ethyl acetate

Concen: 0.391 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Tgt Ion: 43 Resp: 1769

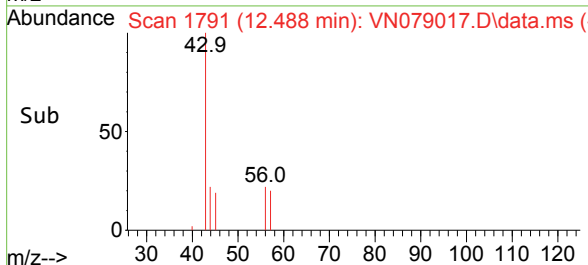
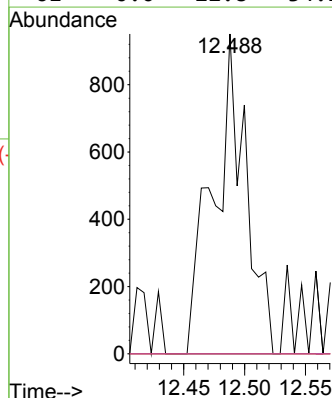
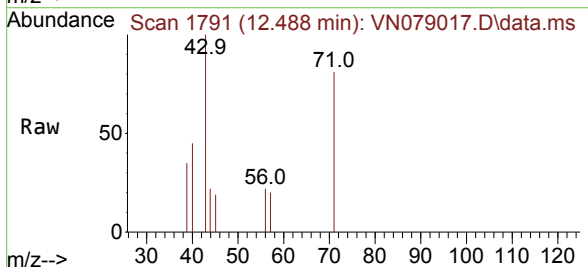
Ion Ratio Lower Upper

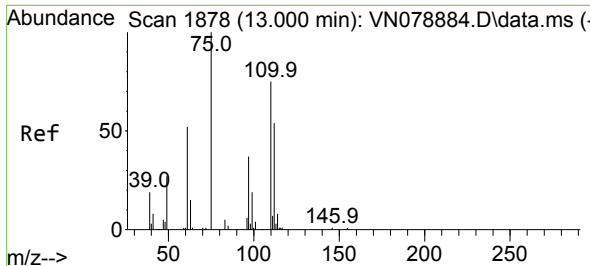
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#

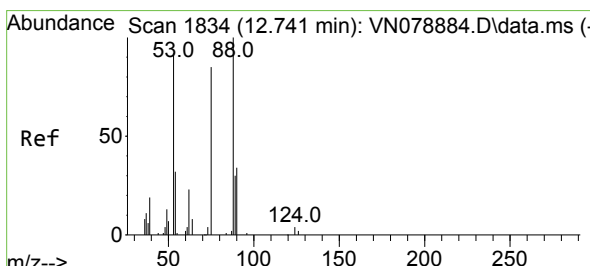
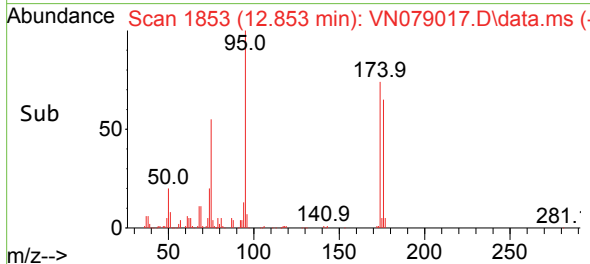
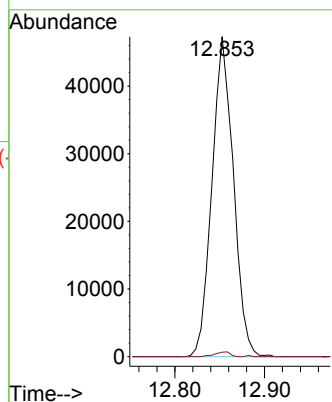
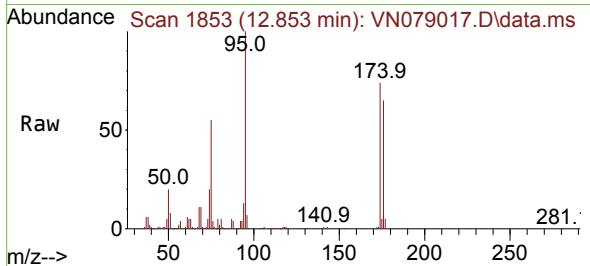




#76
1,2,3-Trichloropropane
Concen: 30.300 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

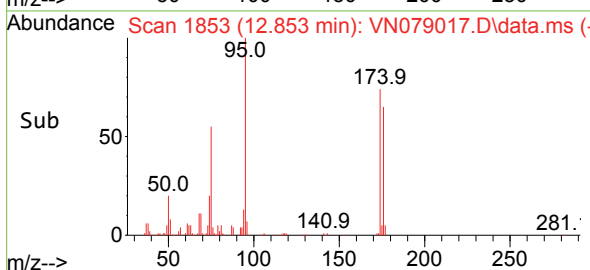
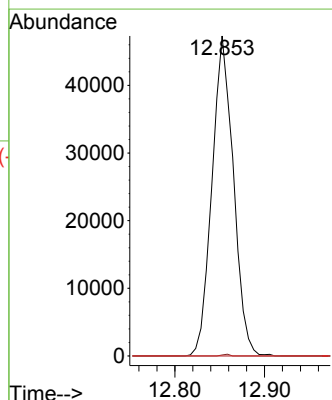
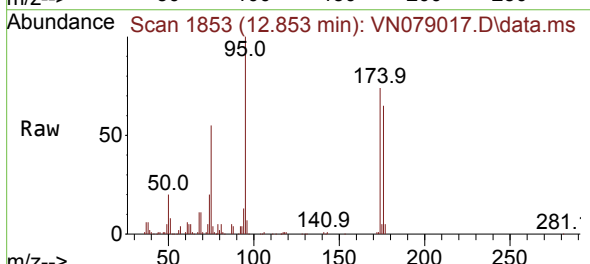
Instrument :
MSVOA_N
ClientSampleId :

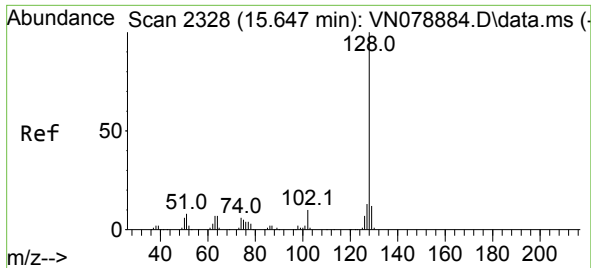
Tgt Ion: 75 Resp: 78467
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.403 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079017.D
Acq: 23 Aug 2023 15:36

Tgt Ion: 75 Resp: 78467
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.695 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.005 min

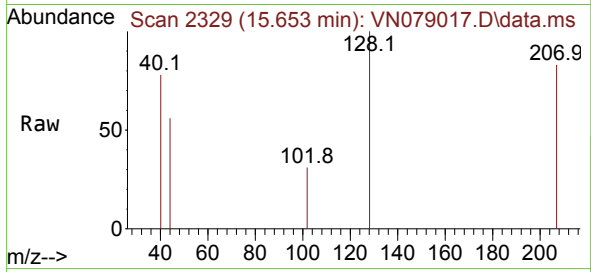
Lab File: VN079017.D

Acq: 23 Aug 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 630

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

