

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078989.D
 Acq On : 22 Aug 2023 13:11
 Operator : JC\MD
 Sample : PB154968ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

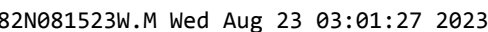
Quant Time: Aug 23 03:01:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

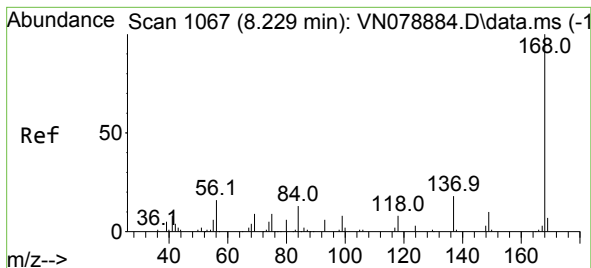
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	174172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	329843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	138700	51.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.360%			
35) Dibromofluoromethane	8.171	113	116850	52.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	10.570	98	429374	51.495	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.853	95	133375	48.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.880%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	128	0.281	ug/l #	72
13) Acrolein	4.206	56	91	7.145	ug/l #	16
16) Acetone	4.436	43	24750	22.132	ug/l	99
18) Methyl Acetate	5.041	43	2951	0.625	ug/l #	70
20) Methylene Chloride	5.283	84	11642	4.885	ug/l #	73
25) 2-Butanone	7.500	43	10490	5.851	ug/l	99
29) Tetrahydrofuran	7.865	42	408	0.344	ug/l #	20
31) Cyclohexane	8.224	56	5036	Below Cal	#	59
36) 1,1-Dichloropropene	8.224	75	15821	4.684	ug/l #	48
37) Ethyl Acetate	7.571	43	5782	1.530	ug/l #	86
38) Carbon Tetrachloride	8.235	117	18642	5.508	ug/l #	19
42) 1,2-Dichloroethane	8.671	62	759	0.203	ug/l #	73
43) Isopropyl Acetate	8.694	43	184839	27.670	ug/l #	75
45) 1,2-Dichloropropane	9.753	63	1864	0.701	ug/l #	45
48) Methyl methacrylate	9.671	41	4505	1.488	ug/l #	35
51) 4-Methyl-2-Pentanone	10.447	43	41442	10.460	ug/l #	77
53) t-1,3-Dichloropropene	10.741	75	1124	0.291	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	52813	12.559	ug/l #	74
57) 1,3-Dichloropropane	11.206	76	6579	1.496	ug/l #	42
59) 2-Hexanone	11.176	43	149296	52.025	ug/l #	19
71) Bromoform	12.853	173	887	0.460	ug/l #	1
74) N-amyl acetate	12.482	43	1374	0.326	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	72036	29.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72036	76.289	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.782	75	97	Below Cal	#	4

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

Quant Time: Aug 23 03:01:15 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: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

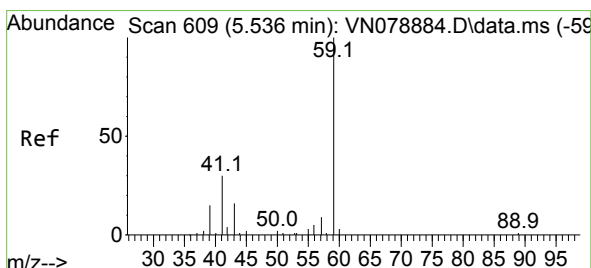
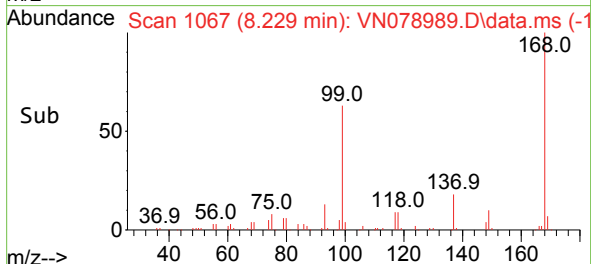
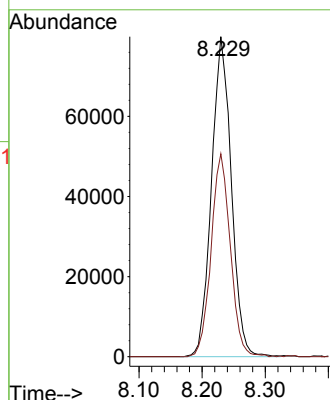
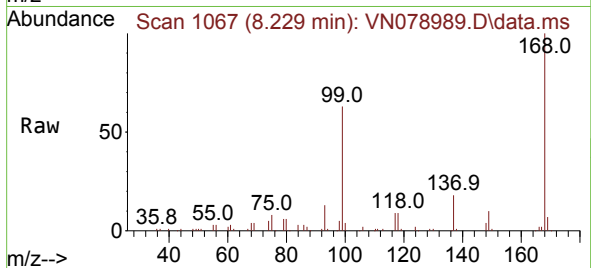
ClientSampleId :

Tgt Ion:168 Resp: 174172

Ion Ratio Lower Upper

168 100

99 63.4 53.0 79.6



#11

Tert butyl alcohol

Concen: 0.281 ug/l

RT: 5.530 min Scan# 608

Delta R.T. -0.012 min

Lab File: VN078989.D

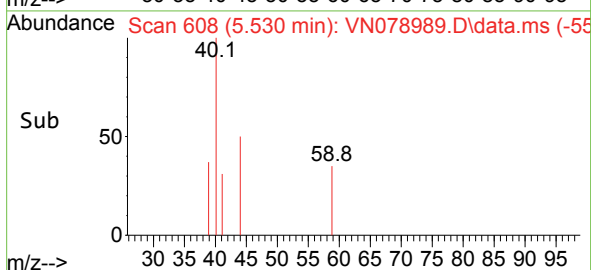
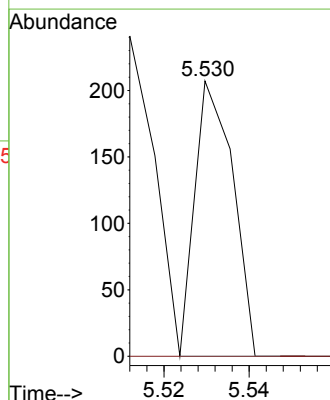
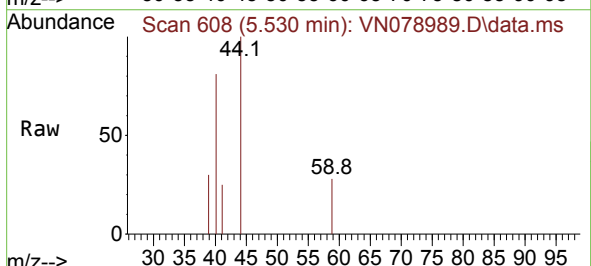
Acq: 22 Aug 2023 13:11

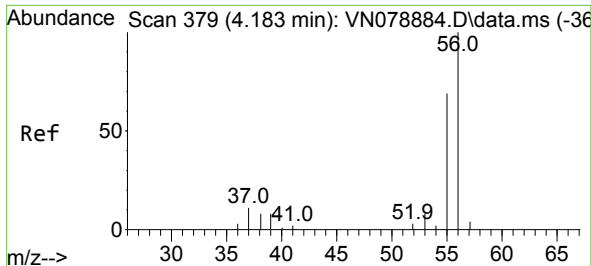
Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

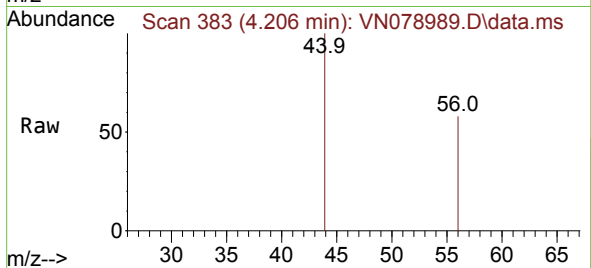
57 0.0 8.2 12.4#



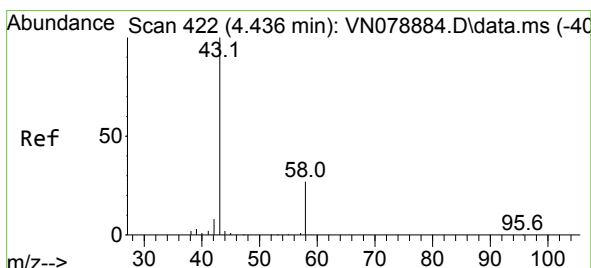
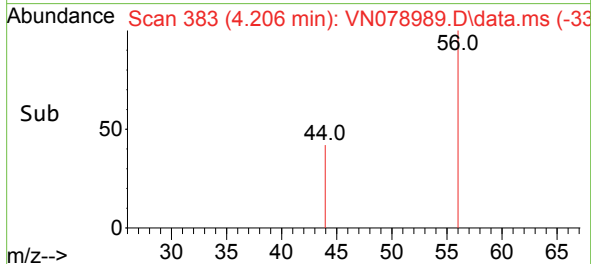
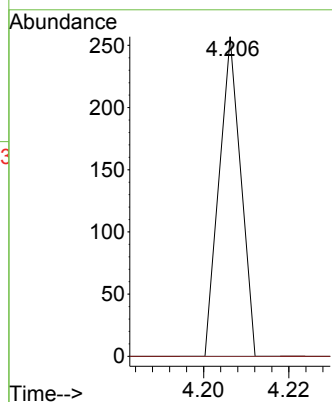


#13
Acrolein
Concen: 7.145 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.011 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

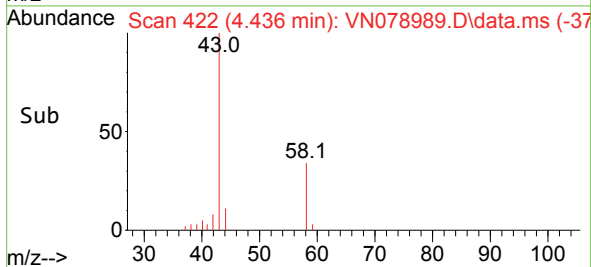
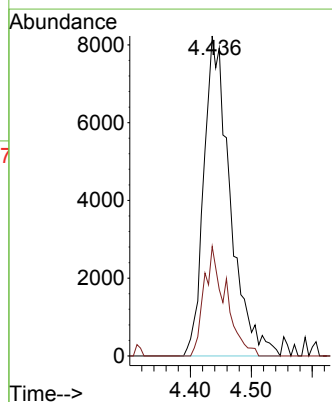
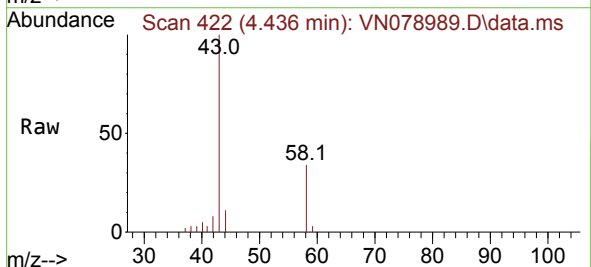


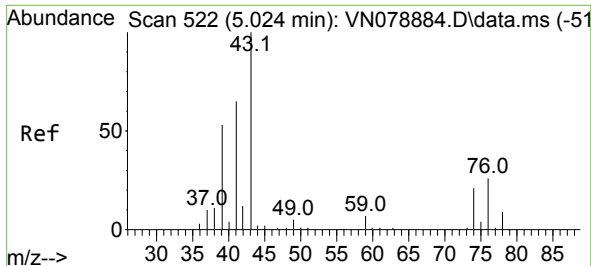
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 22.132 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Tgt Ion: 43 Resp: 24750
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0

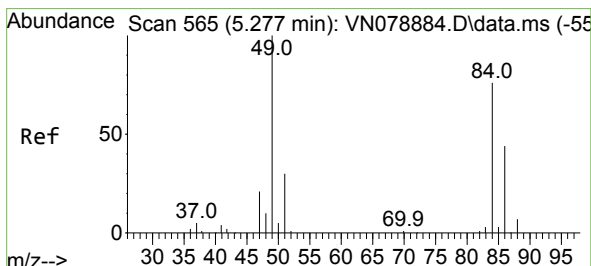
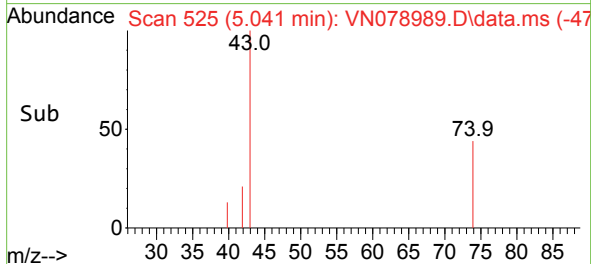
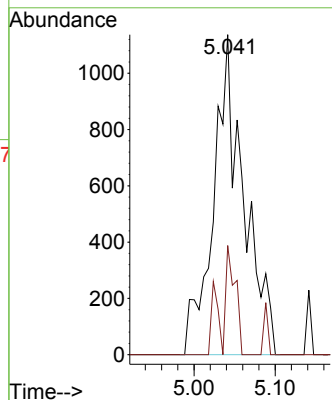
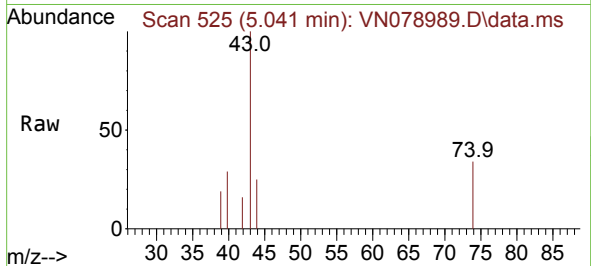




#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 5.041 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

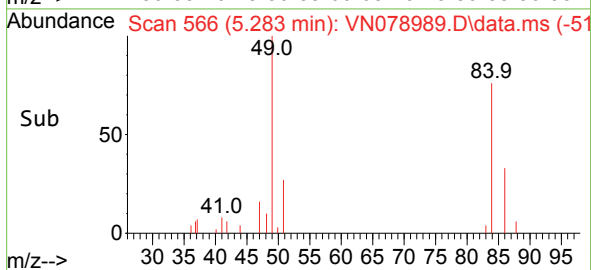
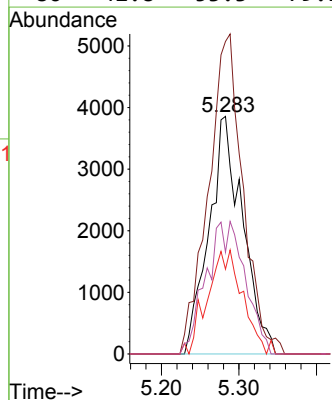
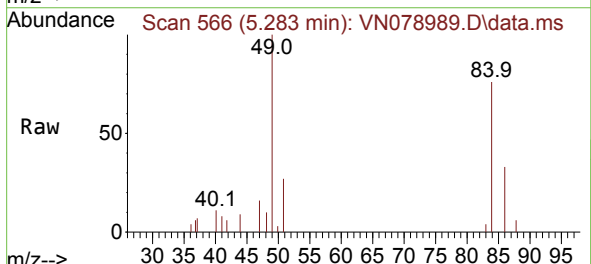
Instrument :
MSVOA_N
ClientSampleId :

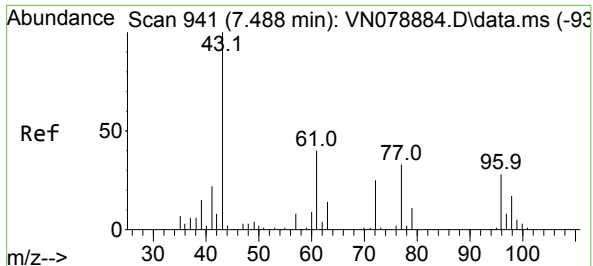
Tgt Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
74 15.8 26.2 39.4#



#20
Methylene Chloride
Concen: 4.885 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Tgt Ion: 84 Resp: 11642
Ion Ratio Lower Upper
84 100
49 131.5 79.7 119.5#
51 35.7 25.2 37.8
86 42.8 53.3 79.9#





#25

2-Butanone

Concen: 5.851 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

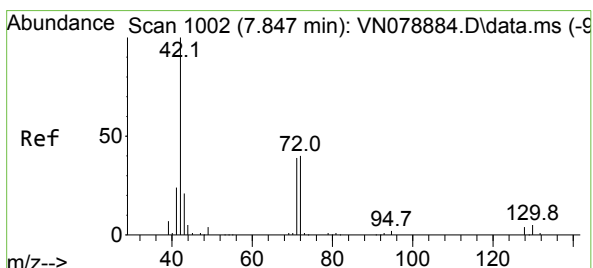
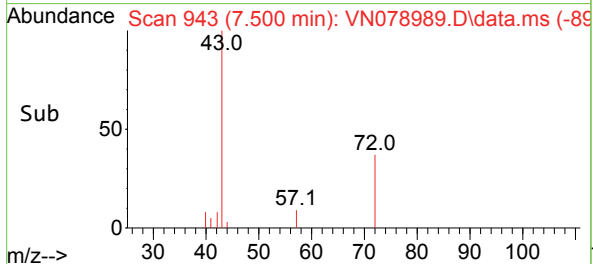
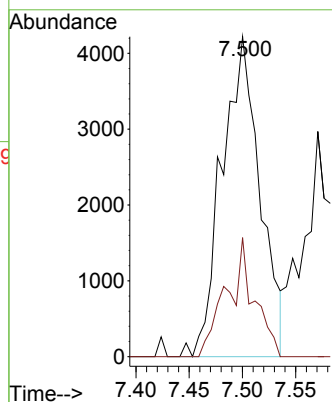
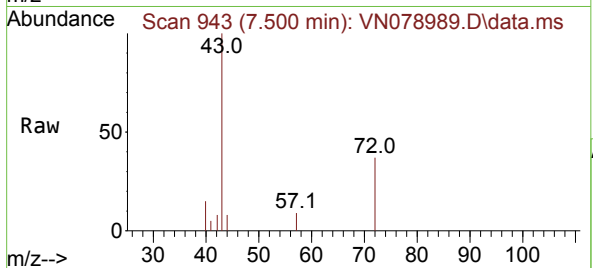
ClientSampleId :

Tgt Ion: 43 Resp: 10490

Ion Ratio Lower Upper

43 100

72 37.2 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.344 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.018 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

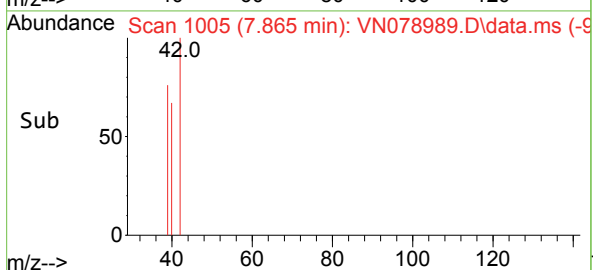
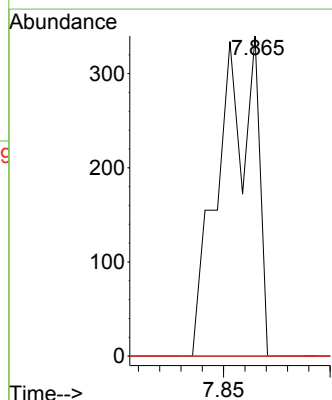
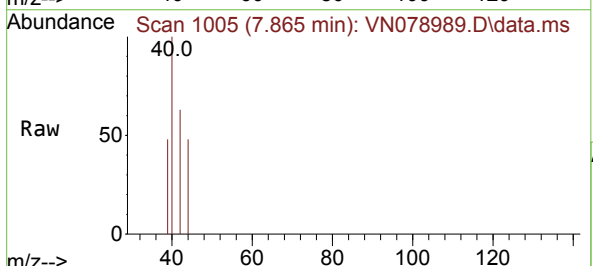
Tgt Ion: 42 Resp: 408

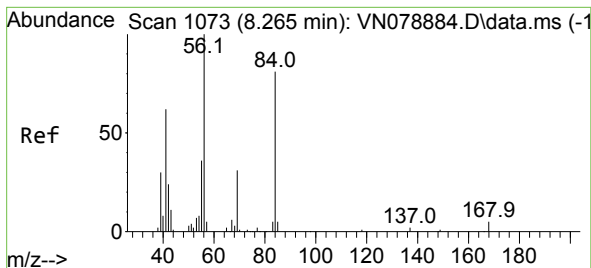
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: Below Cal

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

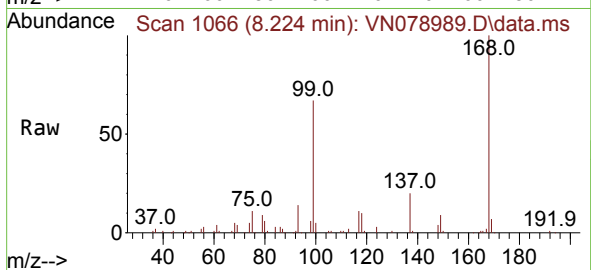
Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :



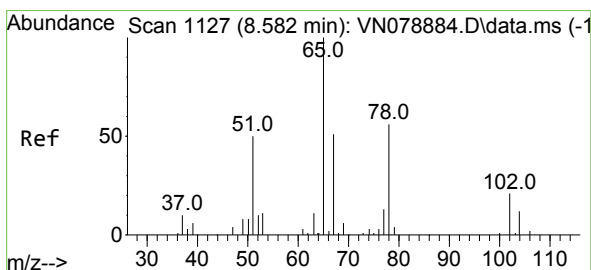
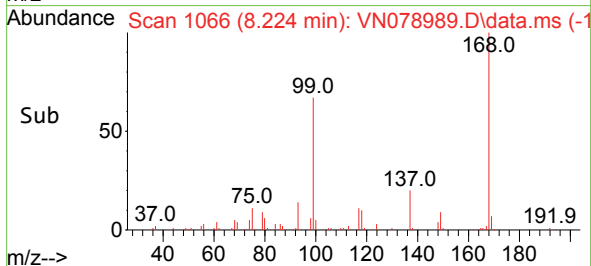
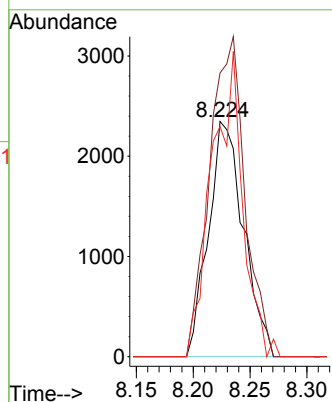
Tgt Ion: 56 Resp: 5036

Ion Ratio Lower Upper

56 100

69 120.6 26.8 40.2#

84 97.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.176 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078989.D

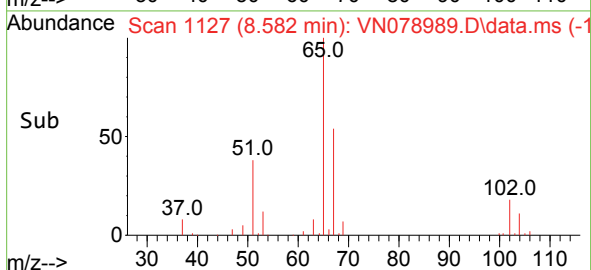
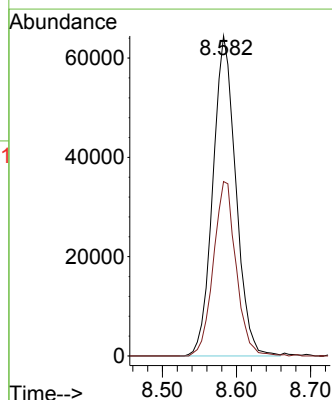
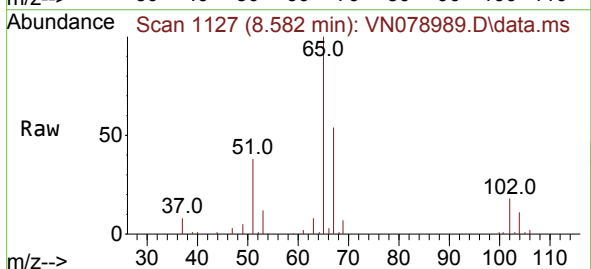
Acq: 22 Aug 2023 13:11

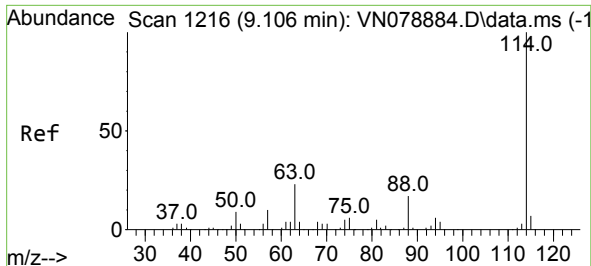
Tgt Ion: 65 Resp: 138700

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

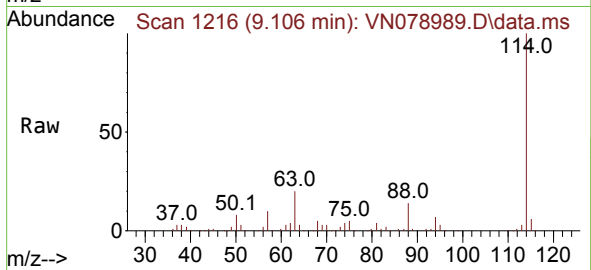
Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :



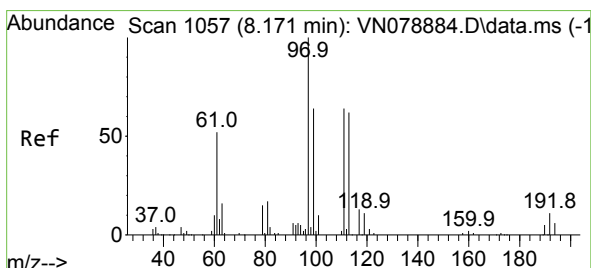
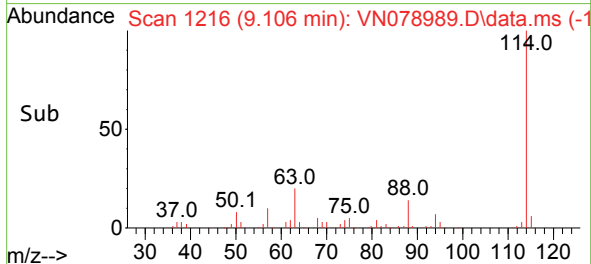
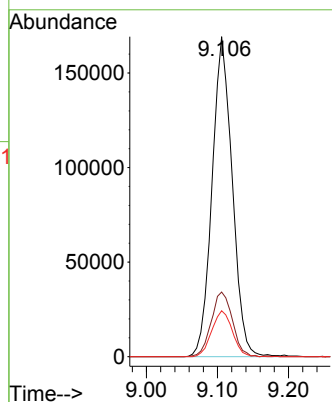
Tgt Ion:114 Resp: 333599

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.035 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

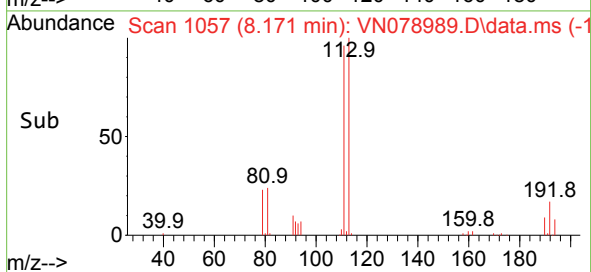
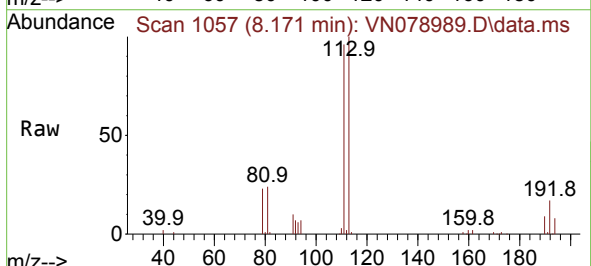
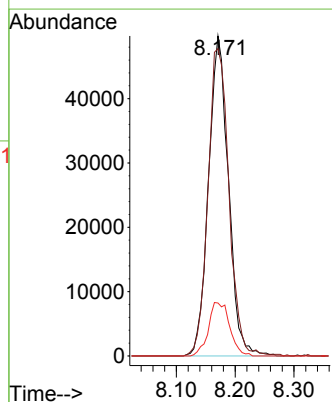
Tgt Ion:113 Resp: 116850

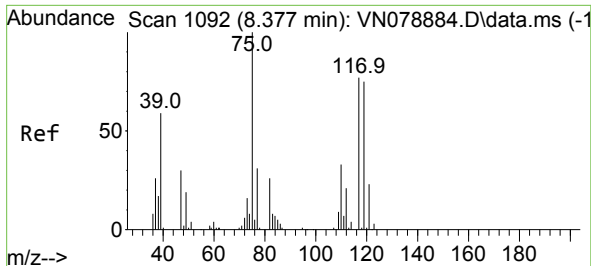
Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 17.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

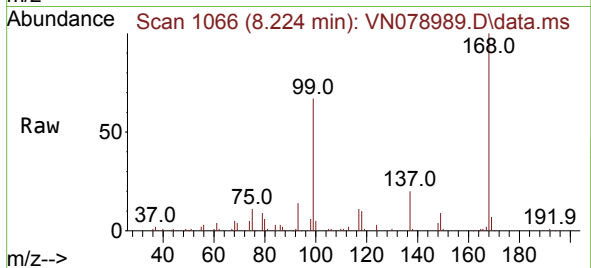
Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :



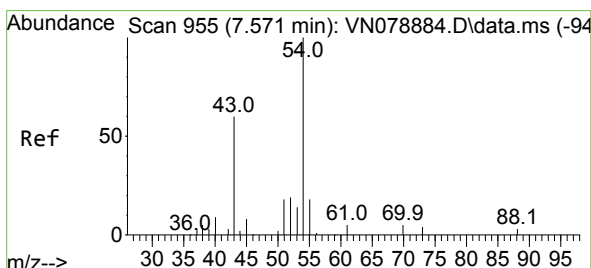
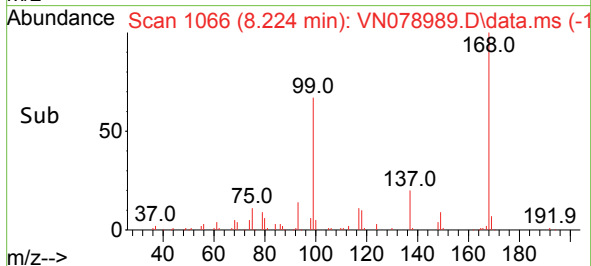
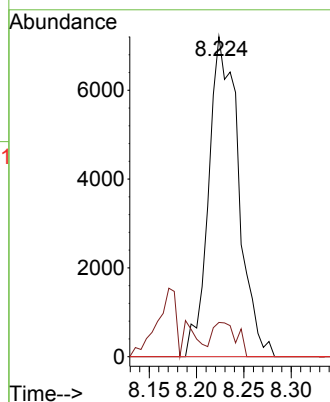
Tgt Ion: 75 Resp: 15821

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.530 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.000 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

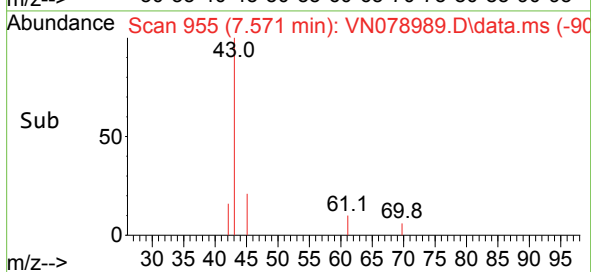
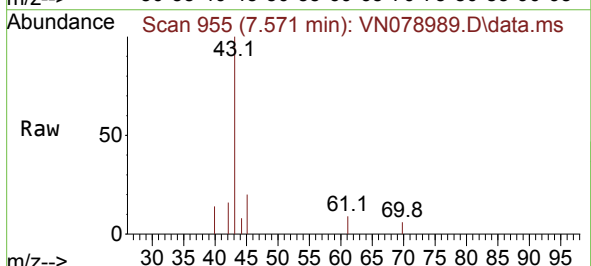
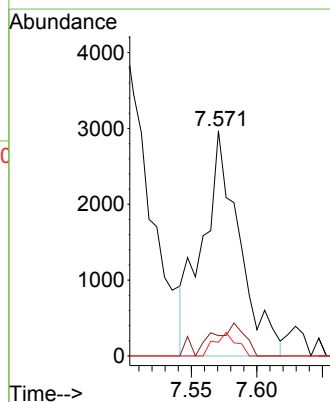
Tgt Ion: 43 Resp: 5782

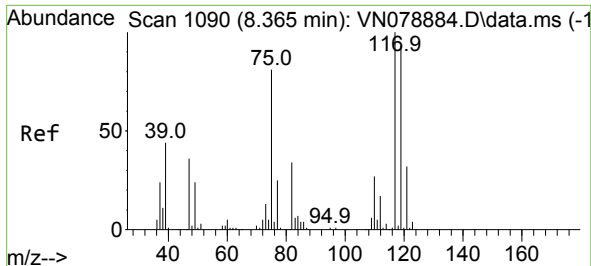
Ion Ratio Lower Upper

43 100

61 12.1 13.2 19.8#

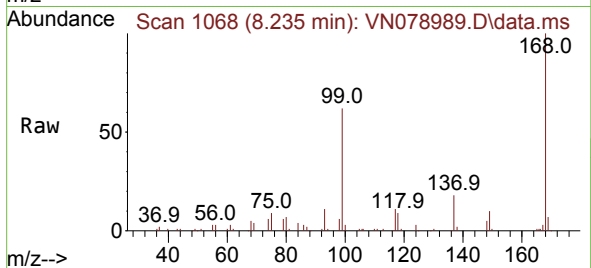
70 6.2 11.3 16.9#



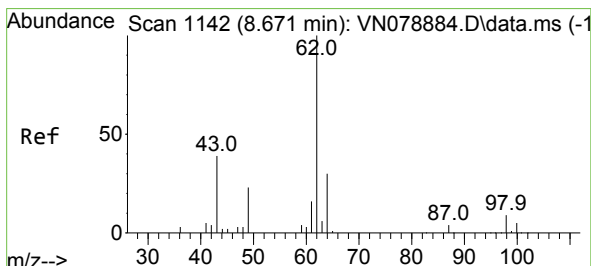
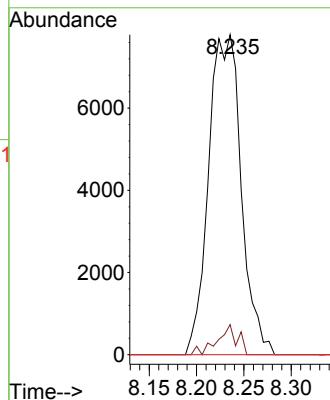
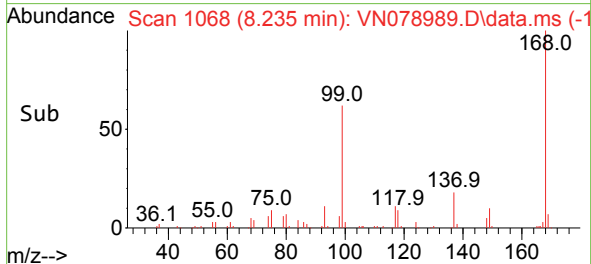


#38
Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

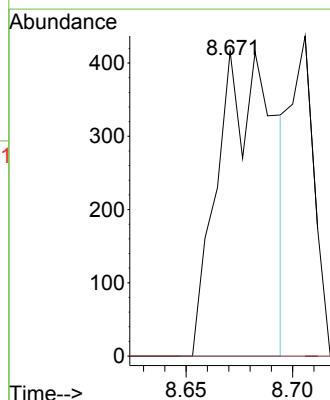
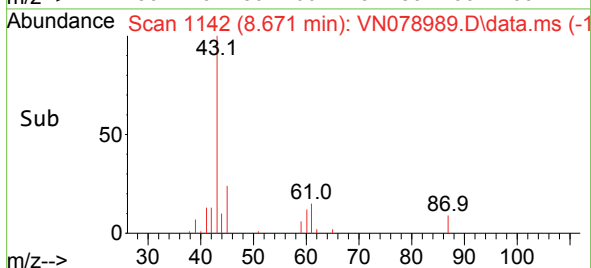
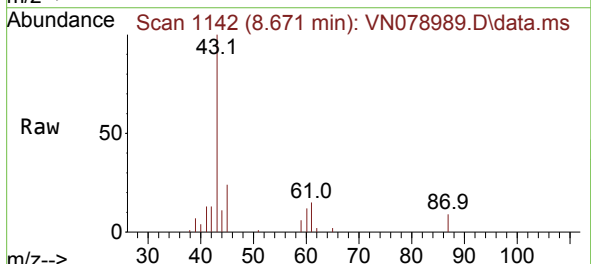


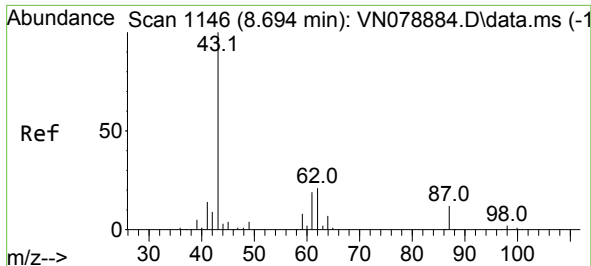
Tgt Ion:117 Resp: 18642
Ion Ratio Lower Upper
117 100
119 9.4 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.203 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Tgt Ion: 62 Resp: 759
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

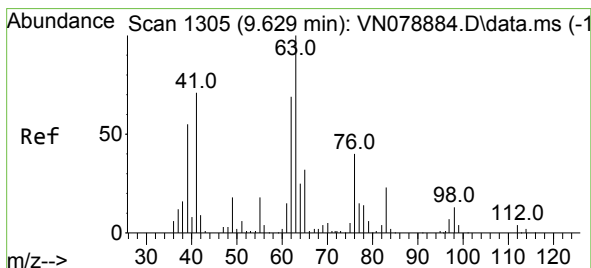
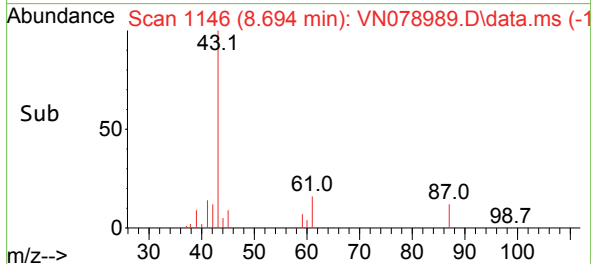
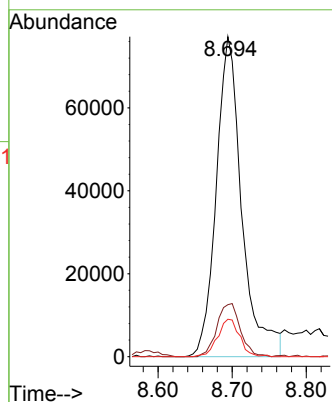
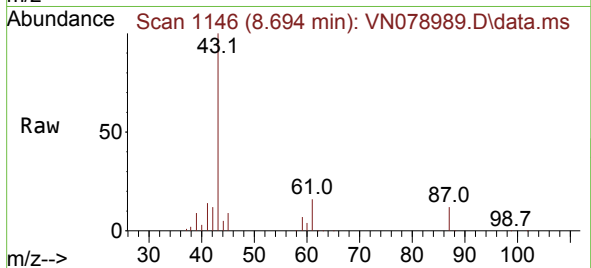




#43
Isopropyl Acetate
Concen: 27.670 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

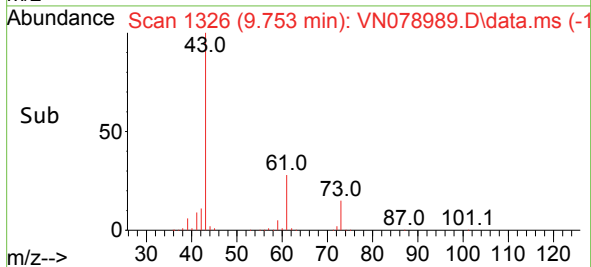
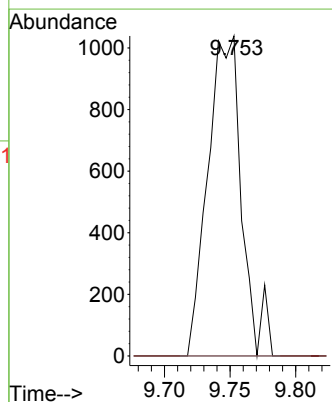
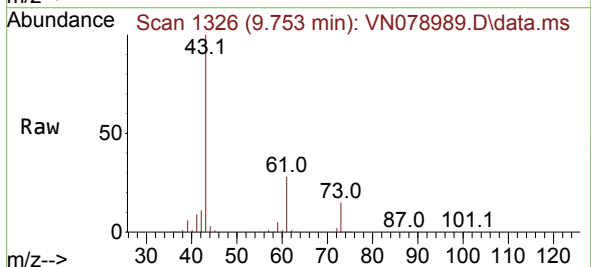
Instrument :
MSVOA_N
ClientSampleId :

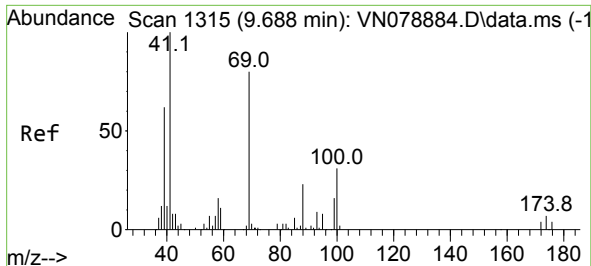
Tgt Ion: 43 Resp: 184839
Ion Ratio Lower Upper
43 100
61 15.2 24.7 37.1#
87 10.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.701 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

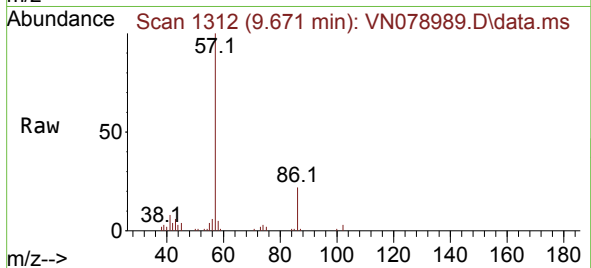
Tgt Ion: 63 Resp: 1864
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



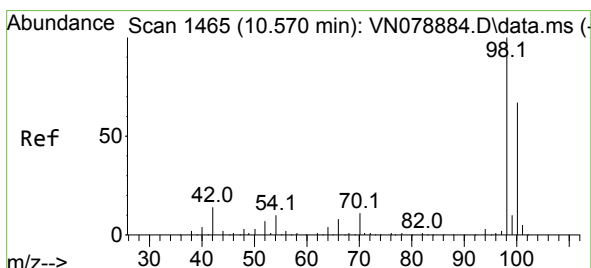
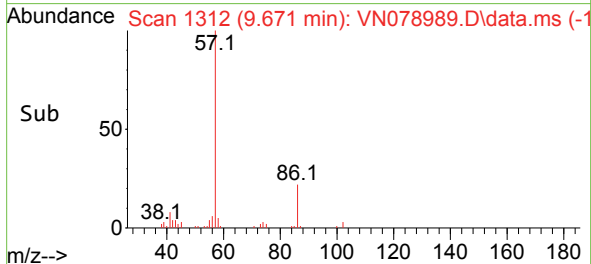
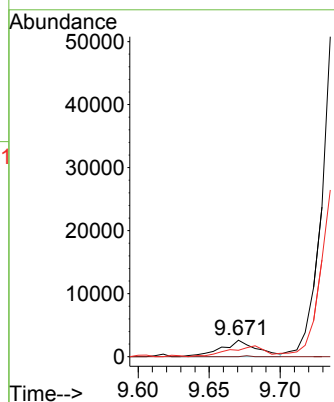


#48
Methyl methacrylate
Concen: 1.488 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :

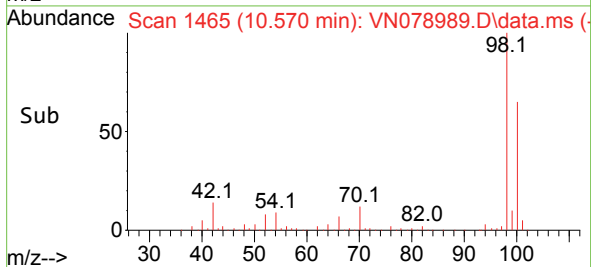
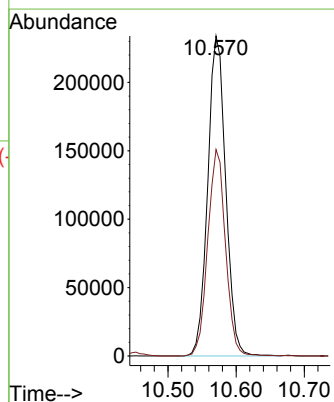
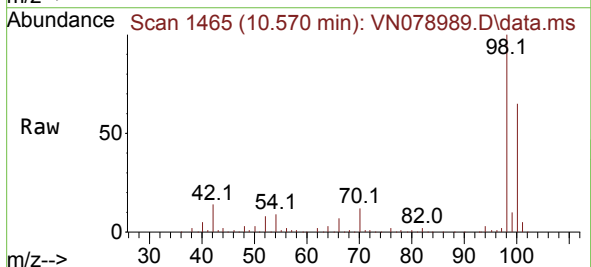


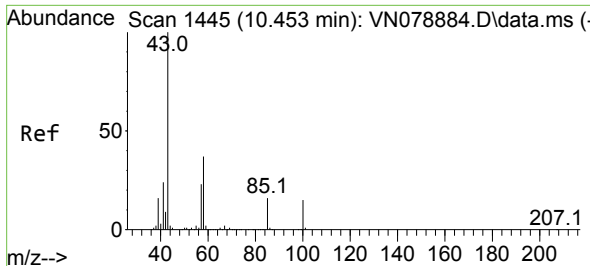
Tgt Ion: 41 Resp: 4505
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 69.0 54.6 81.8



#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Tgt Ion: 98 Resp: 429374
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 10.460 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

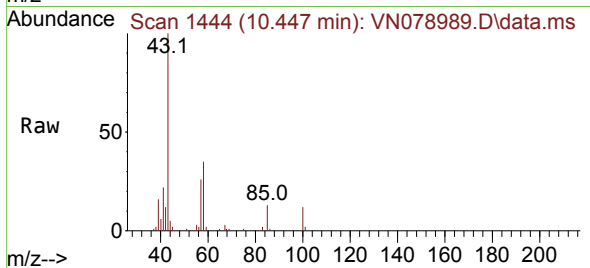
Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :

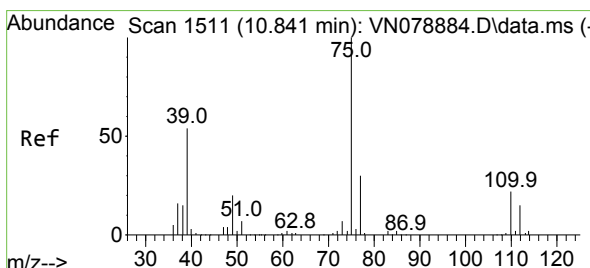
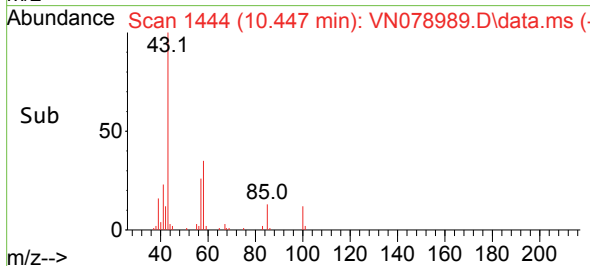
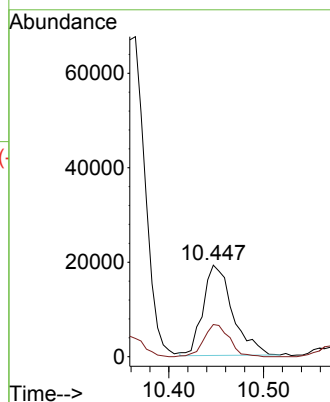


Tgt Ion: 43 Resp: 41442

Ion Ratio Lower Upper

43 100

58 30.7 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.291 ug/l

RT: 10.741 min Scan# 1494

Delta R.T. -0.100 min

Lab File: VN078989.D

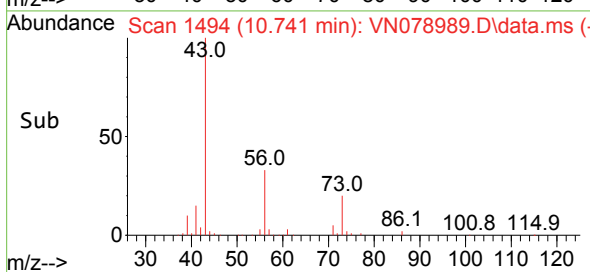
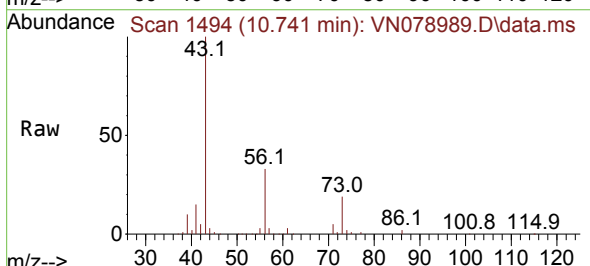
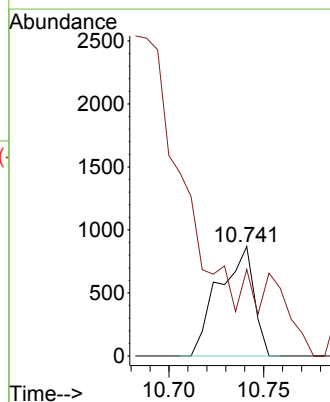
Acq: 22 Aug 2023 13:11

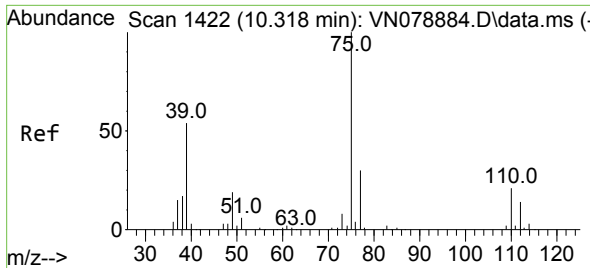
Tgt Ion: 75 Resp: 1124

Ion Ratio Lower Upper

75 100

77 17.0 25.4 38.0#

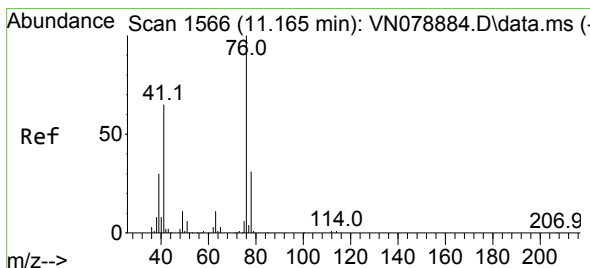
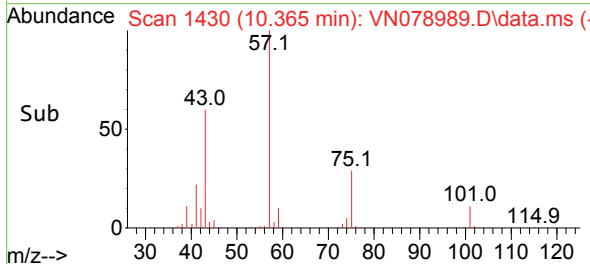
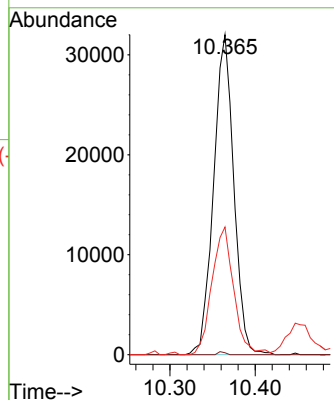
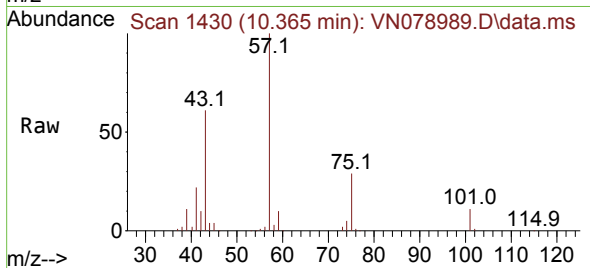




#54
 cis-1,3-Dichloropropene
 Concen: 12.559 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078989.D
 Acq: 22 Aug 2023 13:11

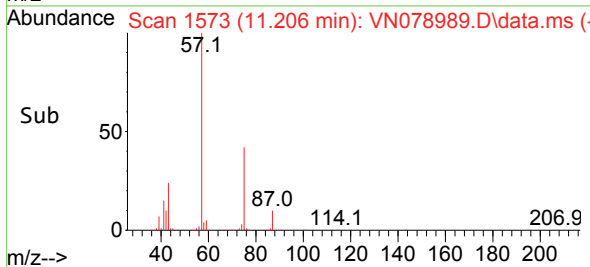
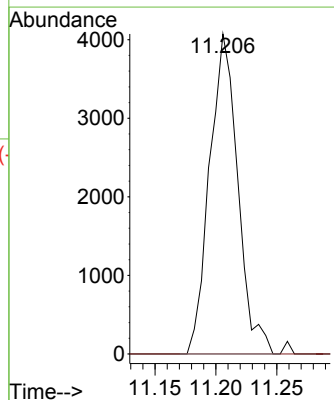
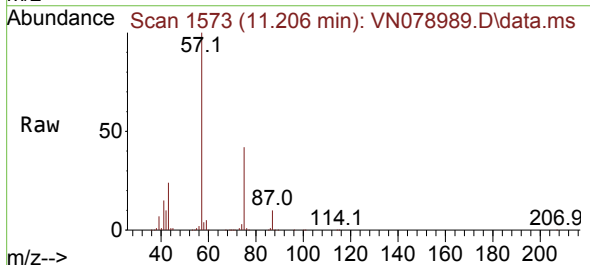
Instrument :
 MSVOA_N
 ClientSampleId :

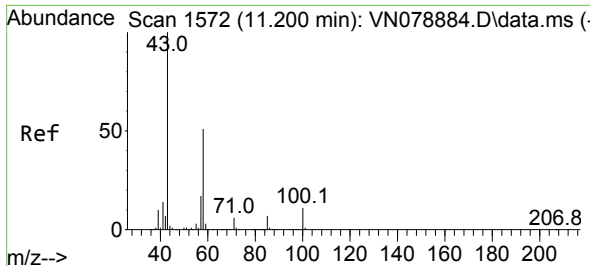
Tgt Ion: 75 Resp: 52813
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 39.9 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.496 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN078989.D
 Acq: 22 Aug 2023 13:11

Tgt Ion: 76 Resp: 6579
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

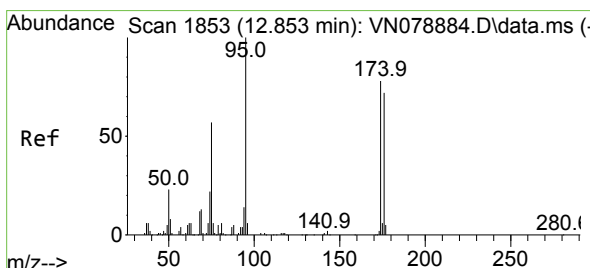
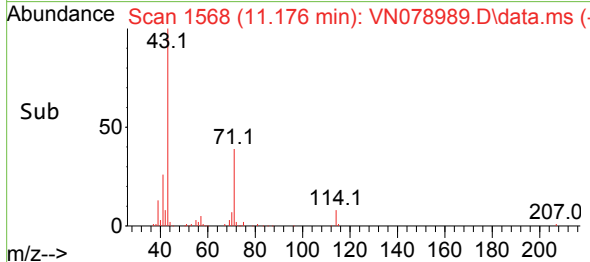
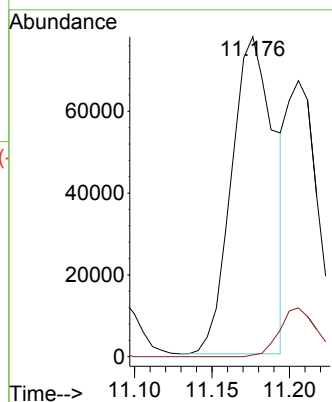
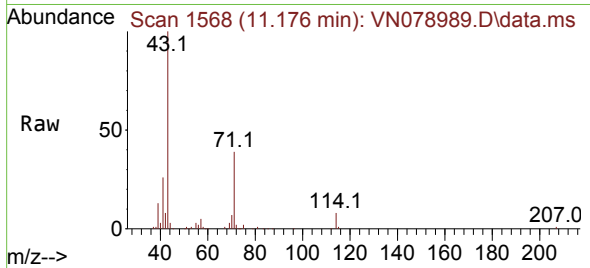




#59
2-Hexanone
Concen: 52.025 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

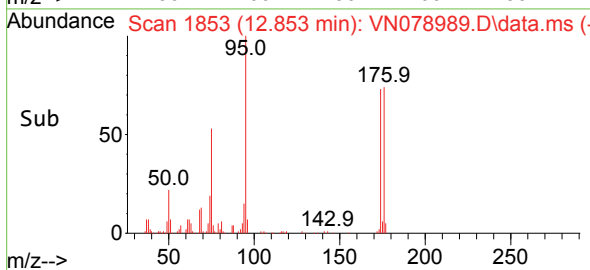
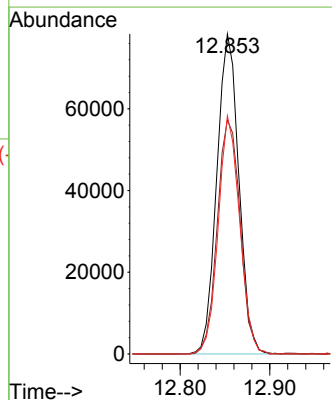
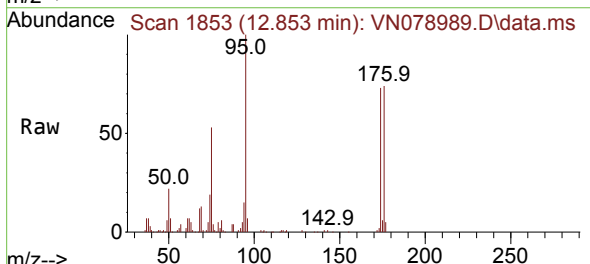
Instrument :
MSVOA_N
ClientSampleId :

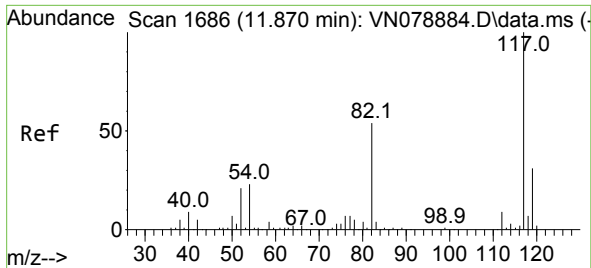
Tgt Ion: 43 Resp: 149296
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.938 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

Tgt Ion: 95 Resp: 133375
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.5 0.0 135.8

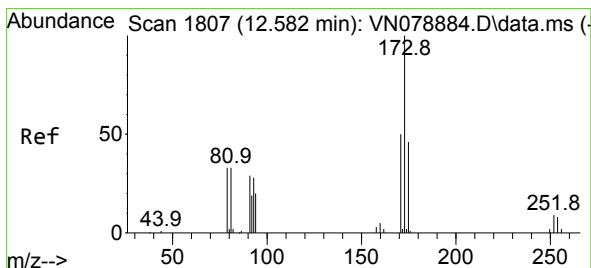
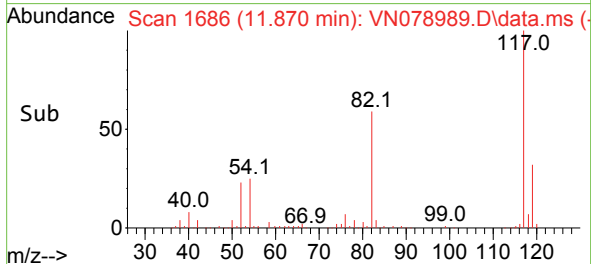
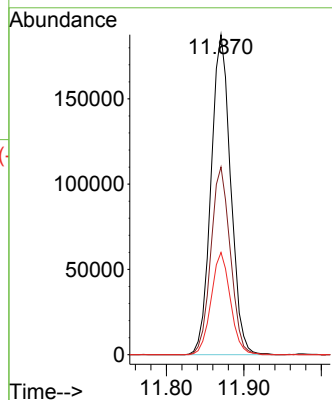
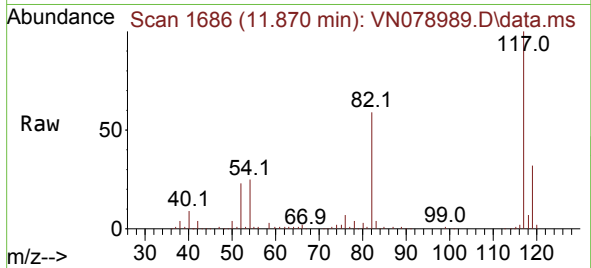




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

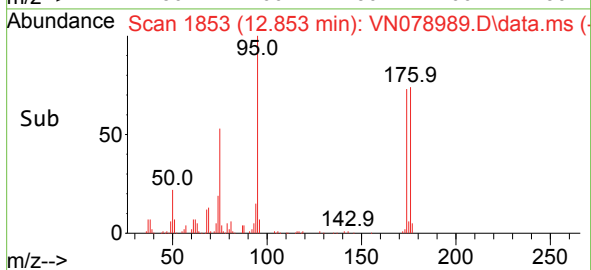
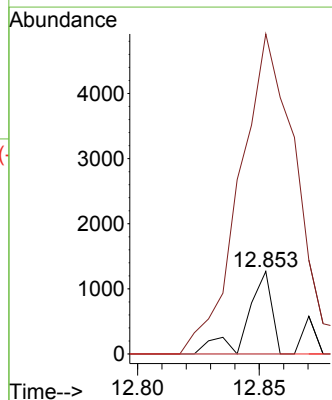
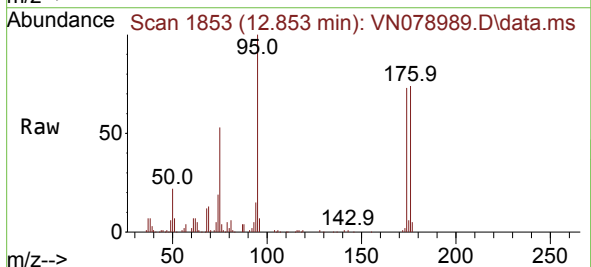
Instrument :
MSVOA_N
ClientSampleId :

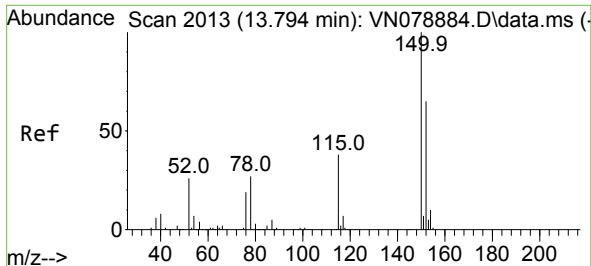
Tgt Ion:117 Resp: 329843
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.460 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078989.D
Acq: 22 Aug 2023 13:11

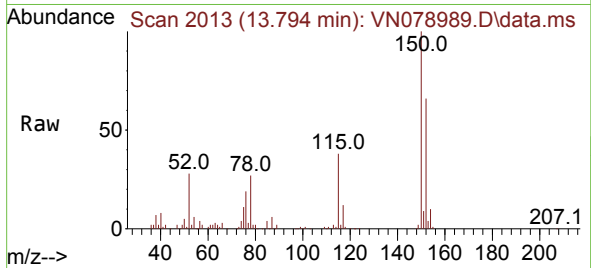
Tgt Ion:173 Resp: 887
Ion Ratio Lower Upper
173 100
175 670.2 24.3 73.0#
254 0.0 0.0 0.0



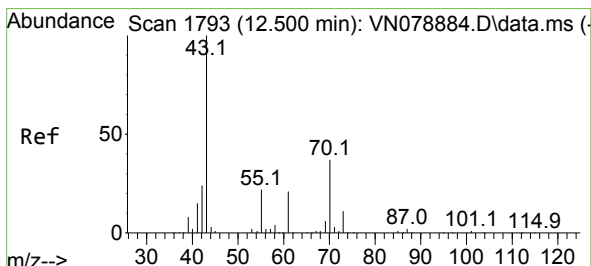
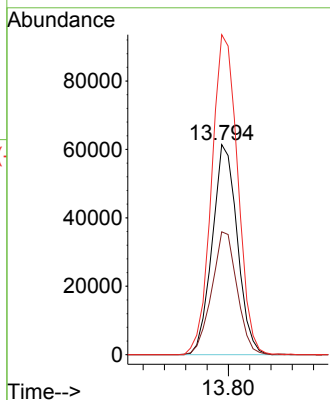
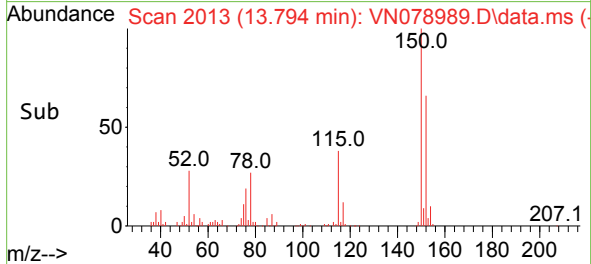


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN078989.D
 Acq: 22 Aug 2023 13:11

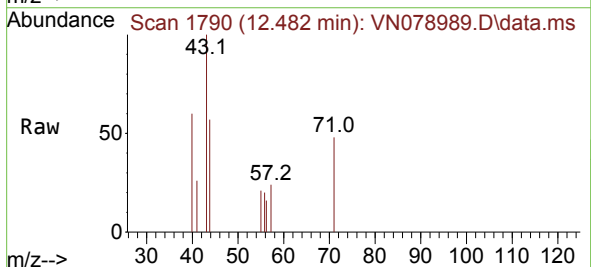
Instrument :
 MSVOA_N
 ClientSampleId :



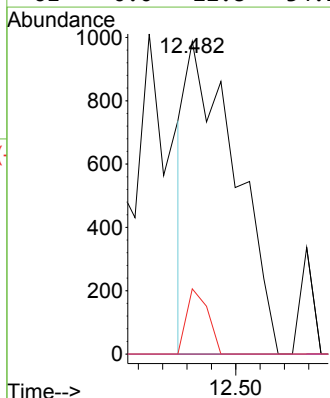
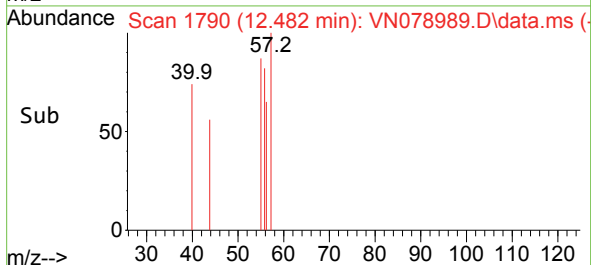
Tgt Ion:152 Resp: 100109
 Ion Ratio Lower Upper
 152 100
 115 59.2 32.3 96.8
 150 158.7 0.0 355.8

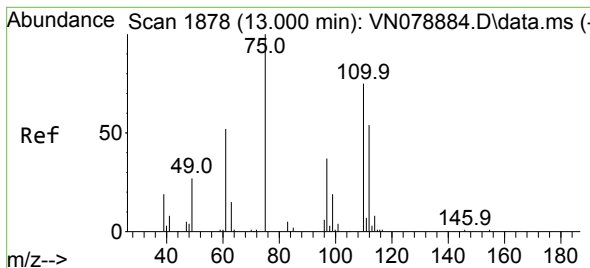


#74
 N-ethyl acetate
 Concen: 0.326 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.018 min
 Lab File: VN078989.D
 Acq: 22 Aug 2023 13:11



Tgt Ion: 43 Resp: 1374
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 9.2 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 29.864 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

Instrument :

MSVOA_N

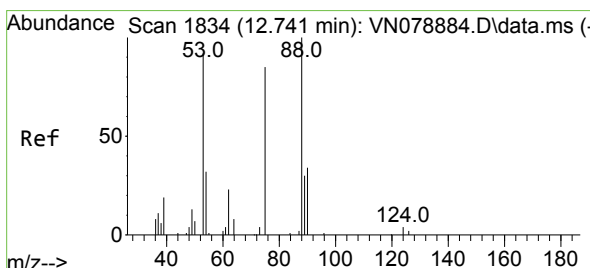
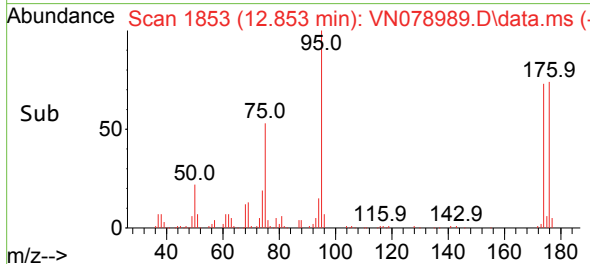
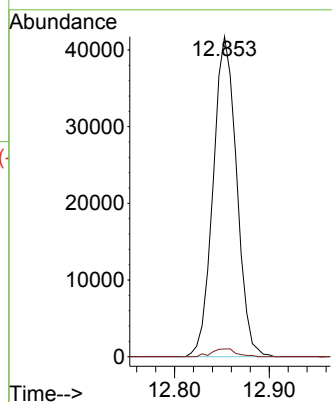
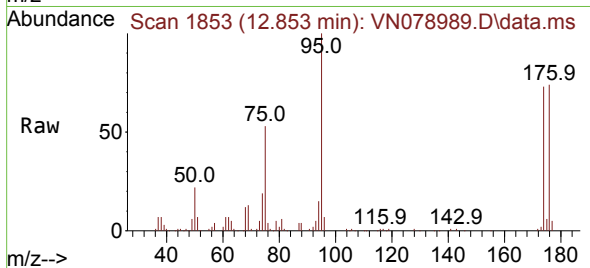
ClientSampleId :

Tgt Ion: 75 Resp: 72036

Ion Ratio Lower Upper

75 100

77 2.6 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.289 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078989.D

Acq: 22 Aug 2023 13:11

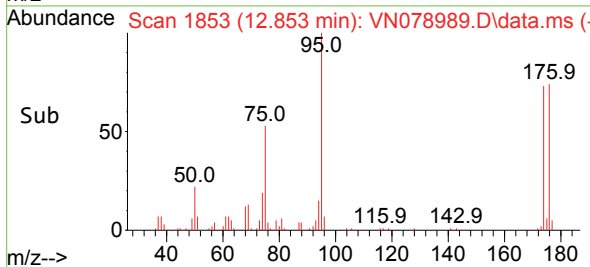
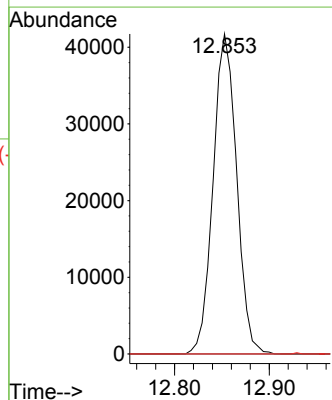
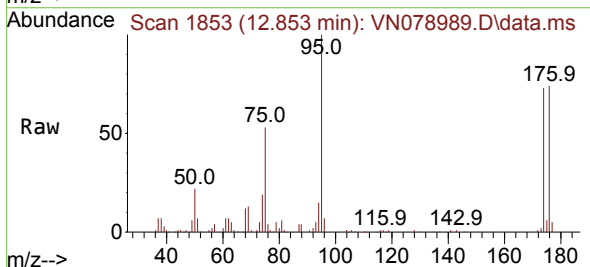
Tgt Ion: 75 Resp: 72036

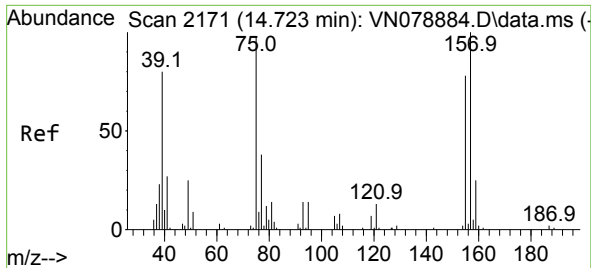
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

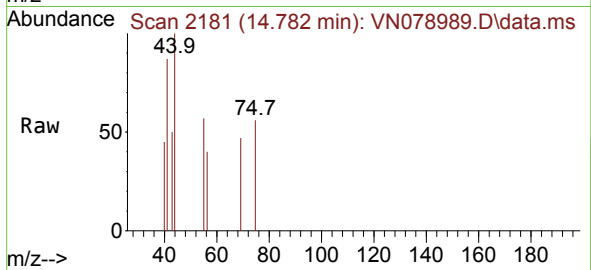
89 0.0 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.782 min Scan# 21
 Delta R.T. 0.059 min
 Lab File: VN078989.D
 Acq: 22 Aug 2023 13:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 97
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

