

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080389.D
 Acq On : 06 Dec 2023 16:22
 Operator : JC\MD
 Sample : 05629-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 01:01:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

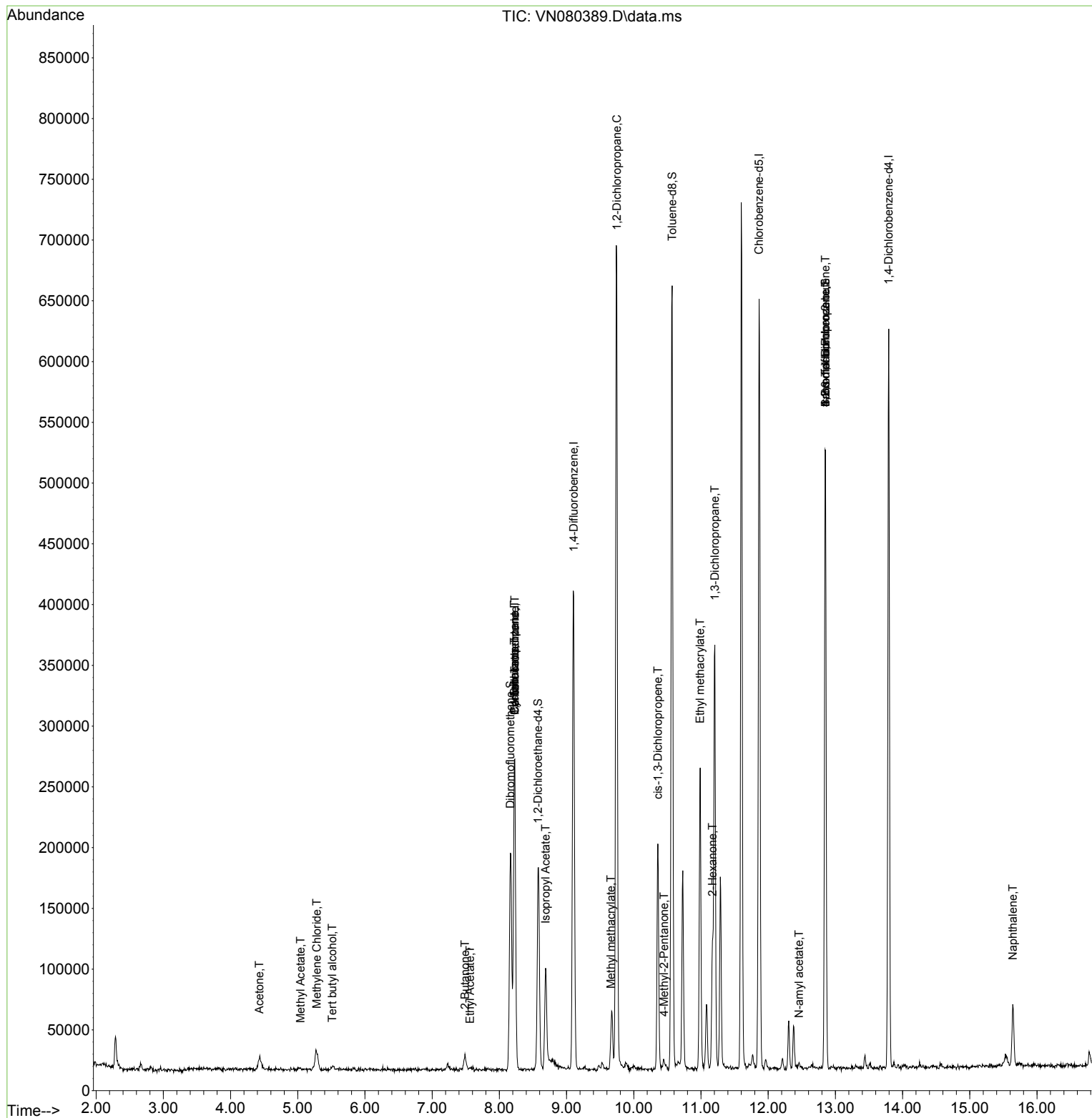
Internal Standards						
1) Pentafluorobenzene	8.230	168	180357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156136	52.430	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	8.165	113	125552	50.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.640%			
50) Toluene-d8	10.571	98	450841	50.626	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.853	95	179487	53.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.720%			
Target Compounds						Qvalue
6) Chloroethane	3.112	64	215	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	4420	13.497	ug/l #	77
16) Acetone	4.430	43	20018	20.013	ug/l #	81
18) Methyl Acetate	5.042	43	2699	0.840	ug/l #	61
20) Methylene Chloride	5.283	84	13376	6.386	ug/l #	91
25) 2-Butanone	7.488	43	19024	16.008	ug/l	93
31) Cyclohexane	8.224	56	4075	1.258	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	14747	4.123	ug/l #	50
37) Ethyl Acetate	7.565	43	1421	0.573	ug/l #	76
38) Carbon Tetrachloride	8.230	117	21743	4.790	ug/l #	16
43) Isopropyl Acetate	8.688	43	93047	19.273	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	939	0.397	ug/l #	45
48) Methyl methacrylate	9.659	41	2727	1.096	ug/l #	31
51) 4-Methyl-2-Pentanone	10.453	43	4142	1.657	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	35995	8.718	ug/l #	66
56) Ethyl methacrylate	10.988	69	1189	0.479	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3714	0.876	ug/l #	42
59) 2-Hexanone	11.171	43	74819	37.252	ug/l #	19
71) Bromoform	12.853	173	1159	0.493	ug/l #	1
74) N-amyl acetate	12.459	43	3573	0.915	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	101402	25.672	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101402	86.734	ug/l #	15
95) Naphthalene	15.641	128	49487	5.388	ug/l	99

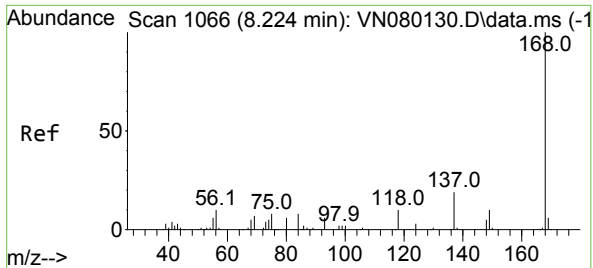
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 07 01:01:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

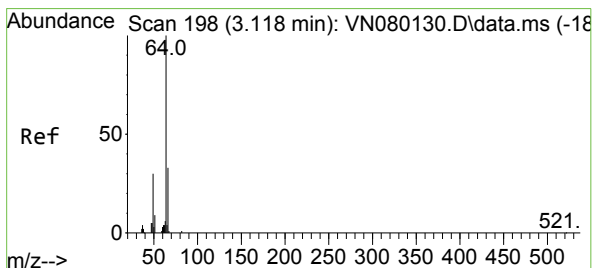
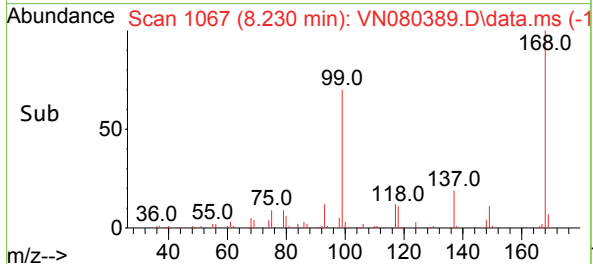
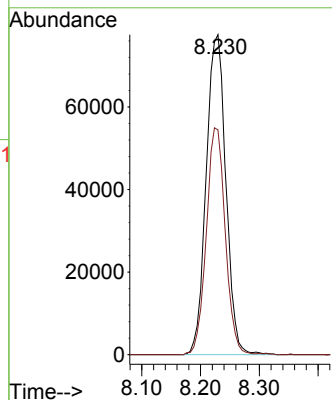
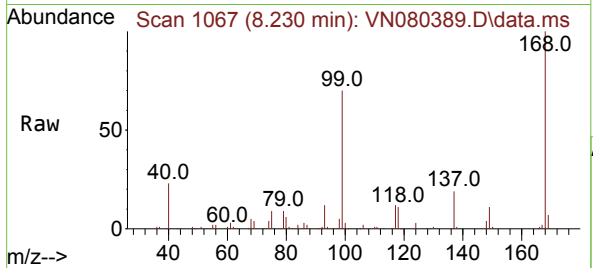




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

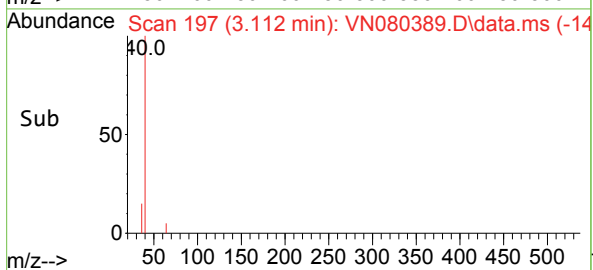
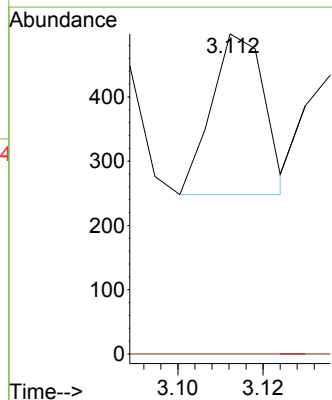
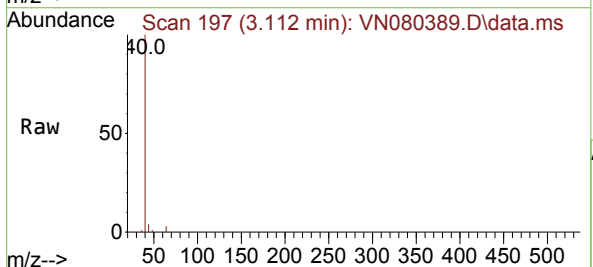
Instrument :
MSVOA_N
ClientSampleId :

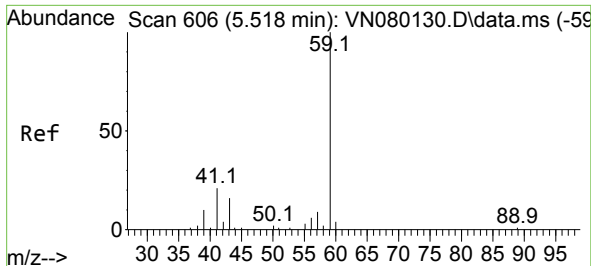
Tgt Ion:168 Resp: 180357
Ion Ratio Lower Upper
168 100
99 70.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

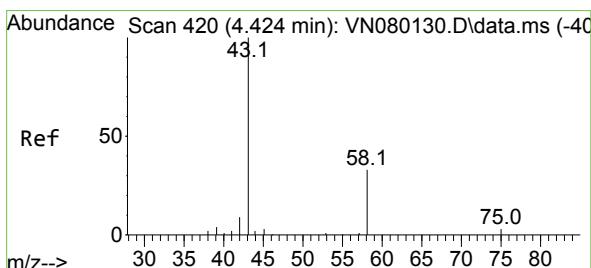
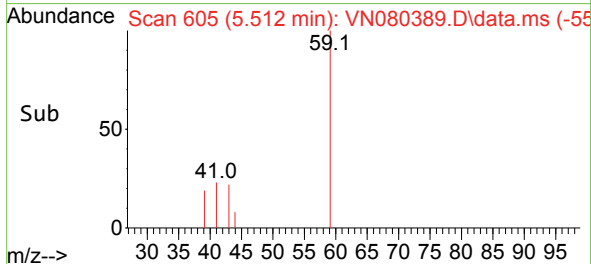
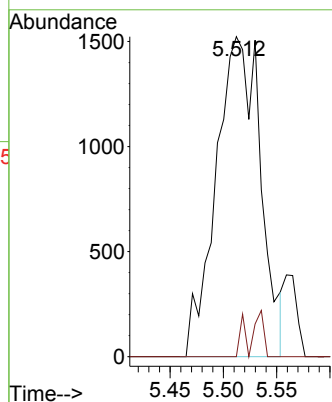
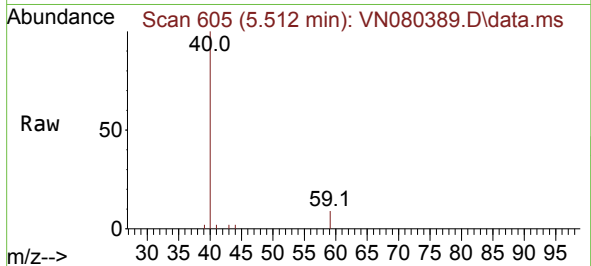




#11
Tert butyl alcohol
Concen: 13.497 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

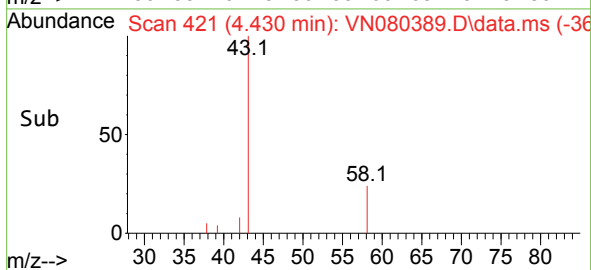
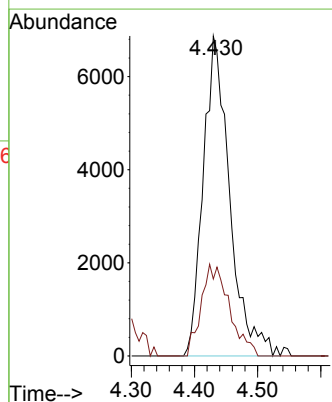
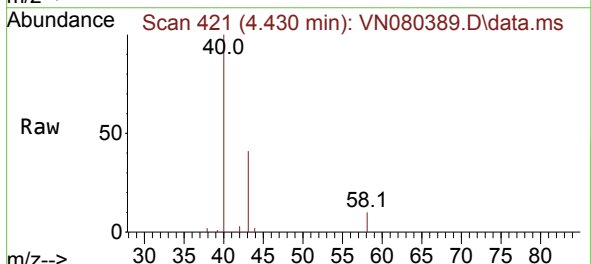
Instrument :
MSVOA_N
ClientSampleId :

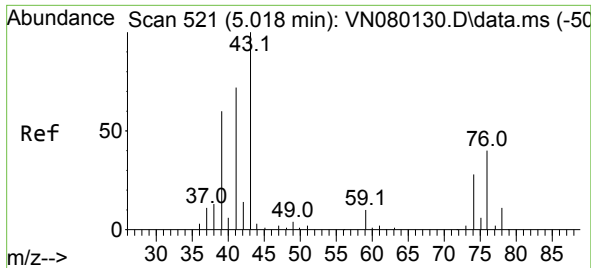
Tgt Ion: 59 Resp: 4420
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.4#



#16
Acetone
Concen: 20.013 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 43 Resp: 20018
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#

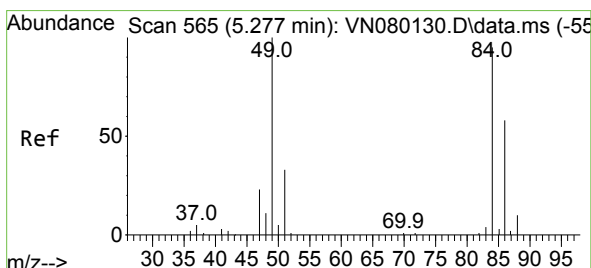
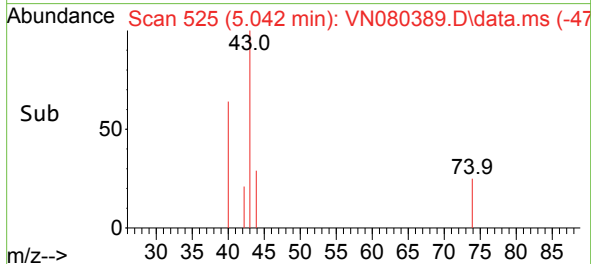
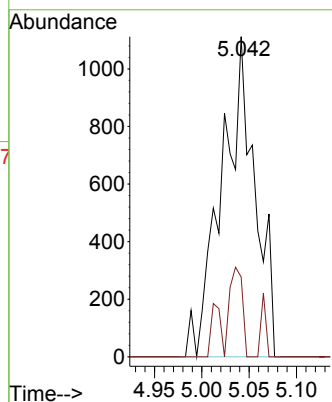
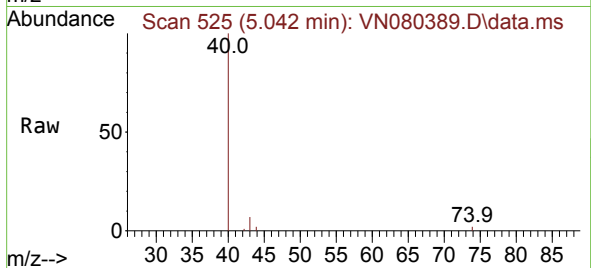




#18
Methyl Acetate
Concen: 0.840 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

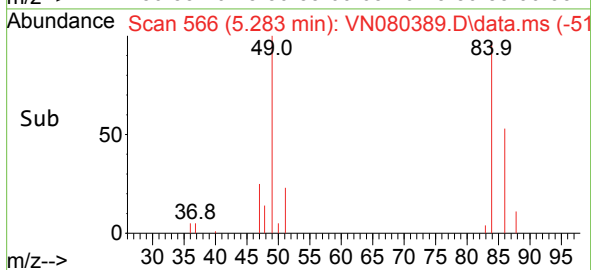
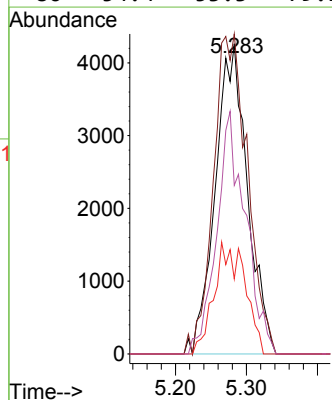
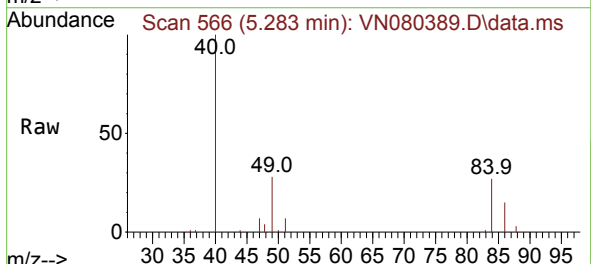
Instrument :
MSVOA_N
ClientSampleId :

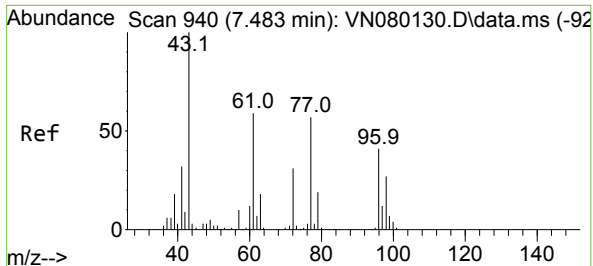
Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
74 10.9 26.2 39.4#



#20
Methylene Chloride
Concen: 6.386 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 84 Resp: 13376
Ion Ratio Lower Upper
84 100
49 103.2 79.7 119.5
51 24.2 25.2 37.8#
86 54.4 53.3 79.9

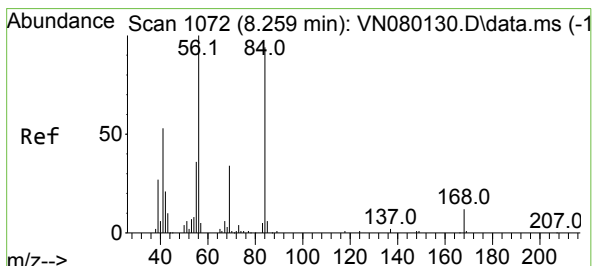
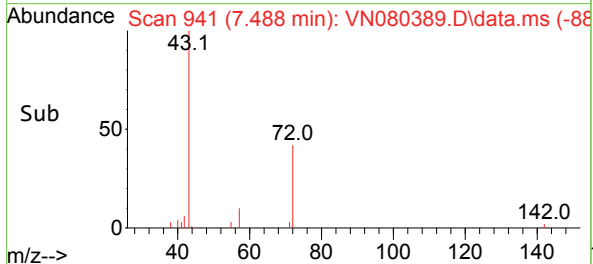
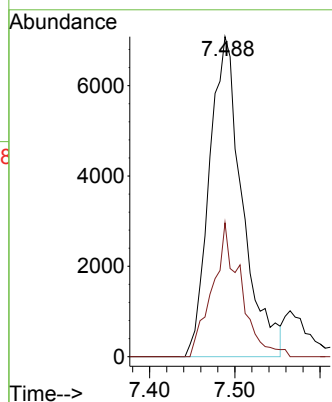
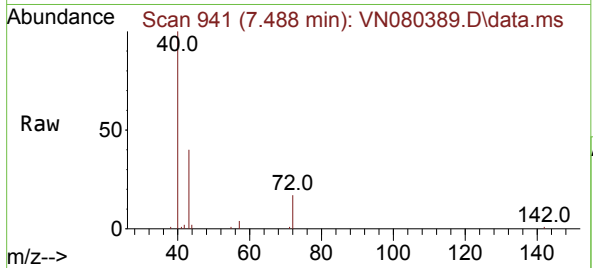




#25
2-Butanone
Concen: 16.008 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

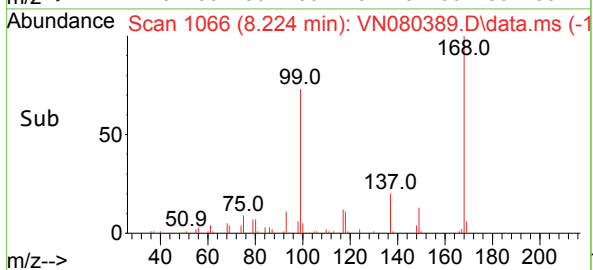
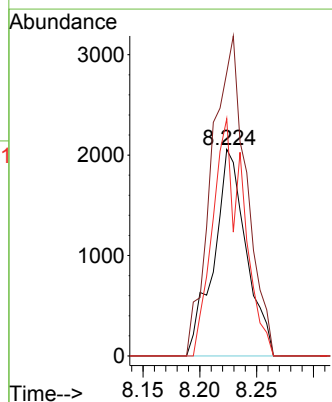
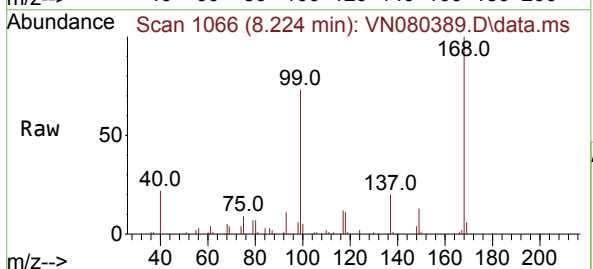
Instrument :
MSVOA_N
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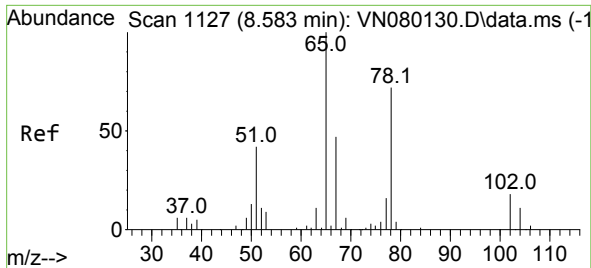
Tgt Ion: 43 Resp: 19024
Ion Ratio Lower Upper
43 100
72 41.9 30.2 45.2



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 56 Resp: 4075
Ion Ratio Lower Upper
56 100
69 137.2 26.8 40.2#
84 114.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.430 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

Instrument :

MSVOA_N

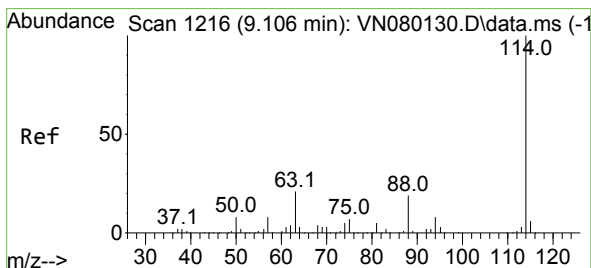
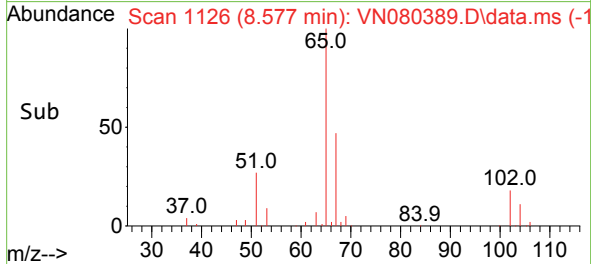
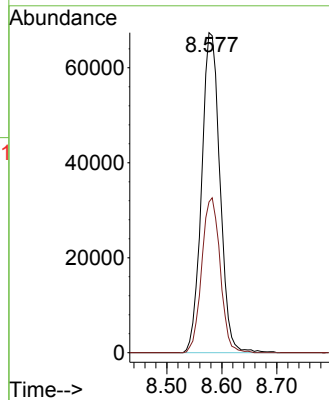
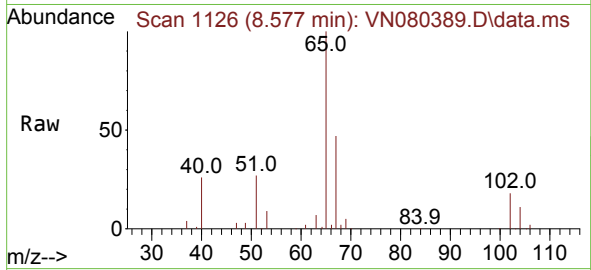
ClientSampleId :

Tgt Ion: 65 Resp: 156136

Ion Ratio Lower Upper

65 100

67 48.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

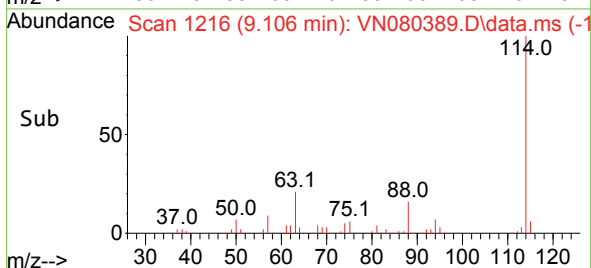
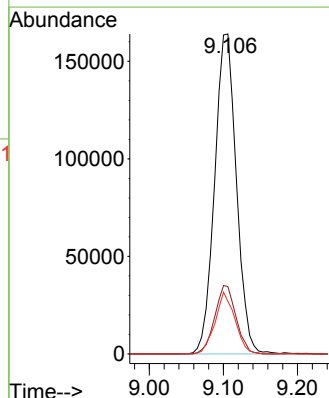
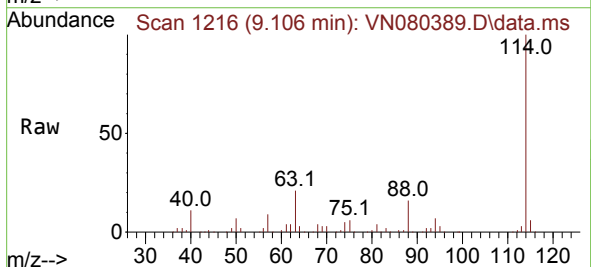
Tgt Ion: 114 Resp: 334804

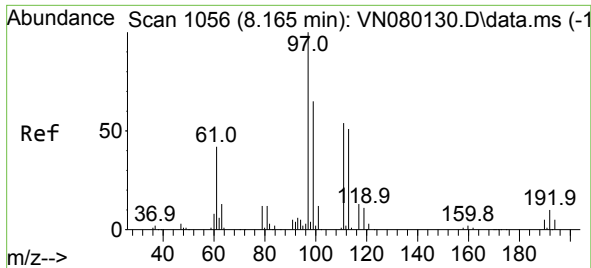
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.5 0.0 30.6

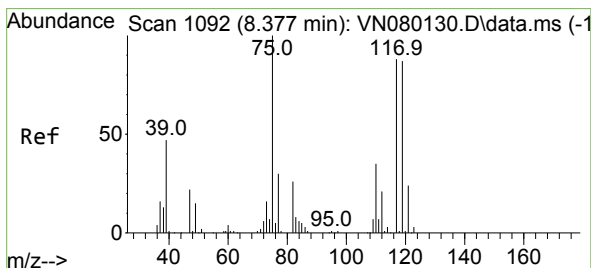
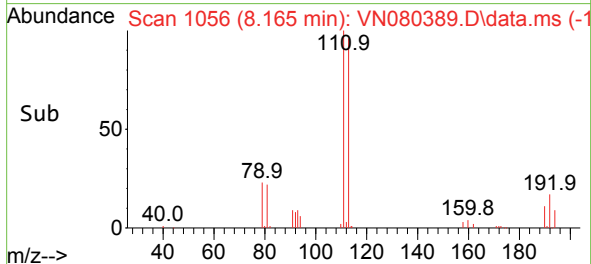
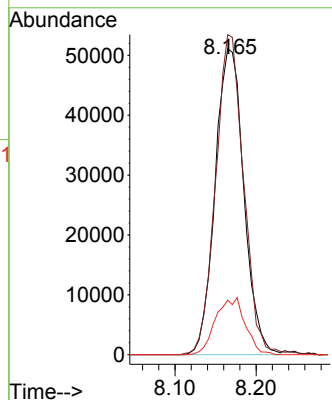
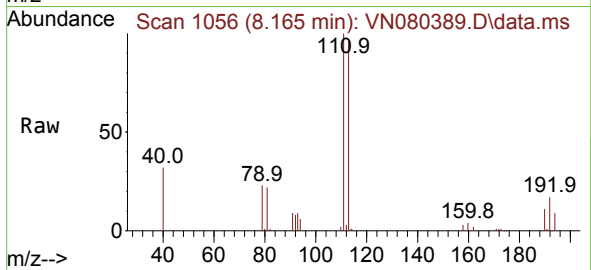




#35
 Dibromofluoromethane
 Concen: 50.822 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN080389.D
 Acq: 06 Dec 2023 16:22

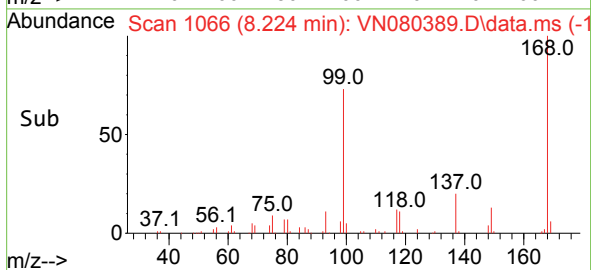
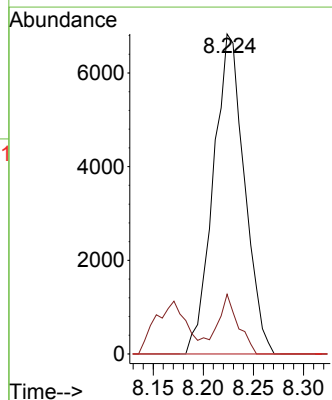
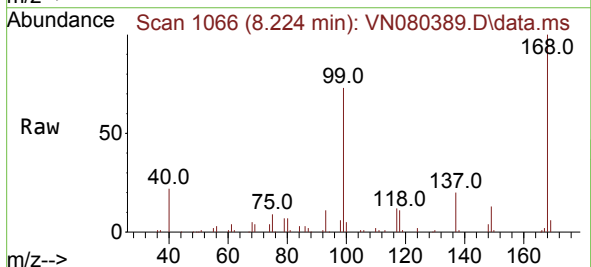
Instrument :
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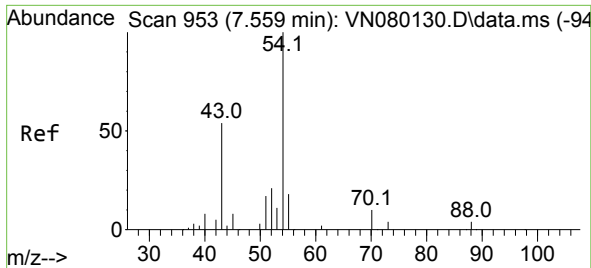
Tgt Ion:113 Resp: 125552
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 19.2 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.123 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN080389.D
 Acq: 06 Dec 2023 16:22

Tgt Ion: 75 Resp: 14747
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.1 57.3#
 77 0.0 25.0 37.4#

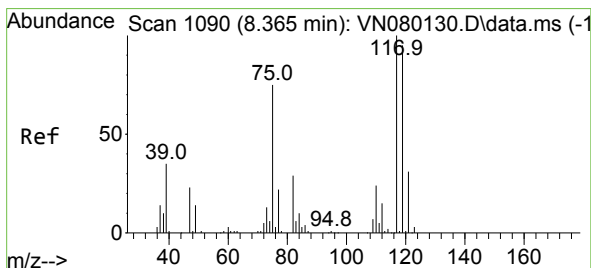
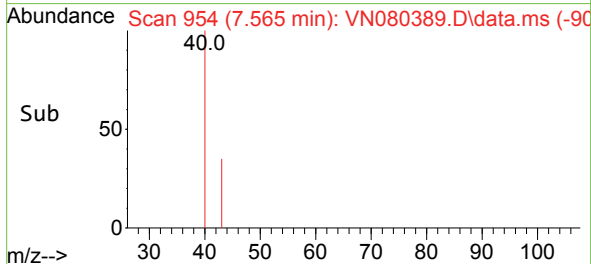
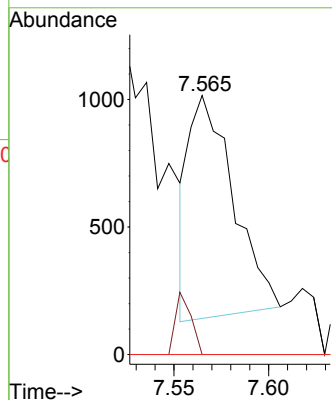
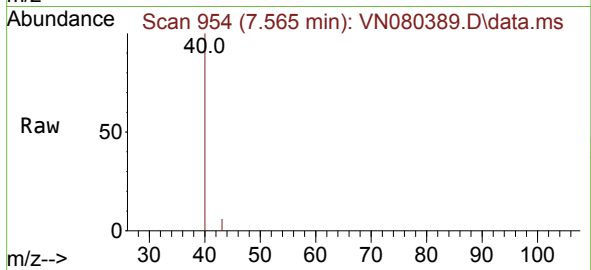




#37
Ethyl Acetate
Concen: 0.573 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

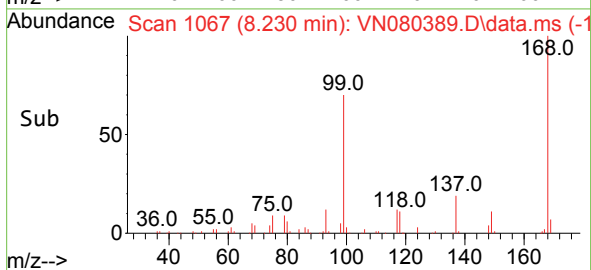
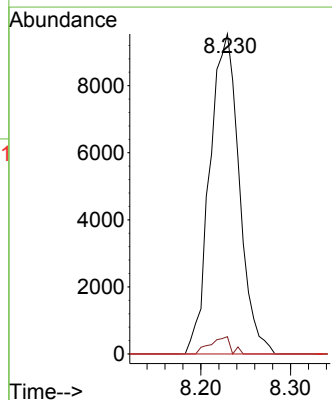
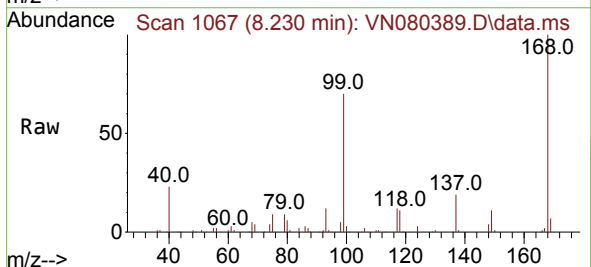
Instrument :
MSVOA_N
ClientSampleId :

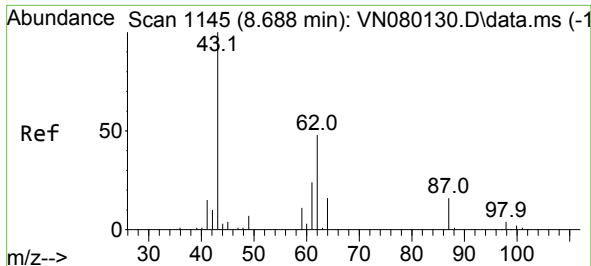
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
61 9.9 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.790 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 117 Resp: 21743
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#

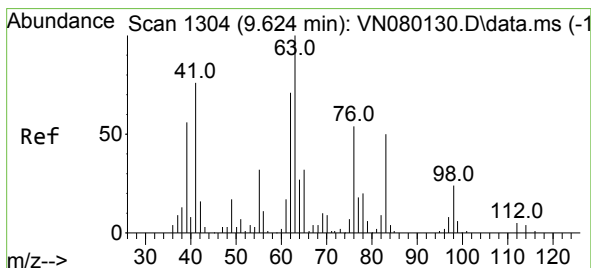
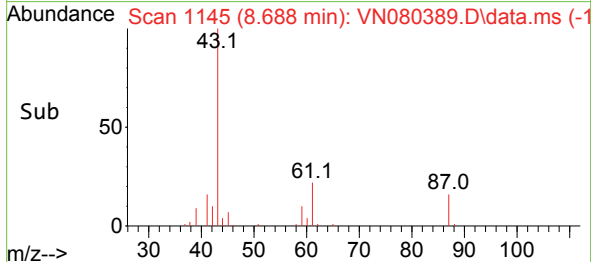
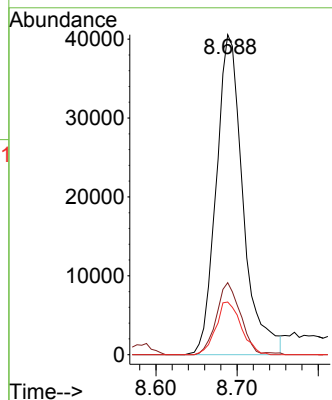
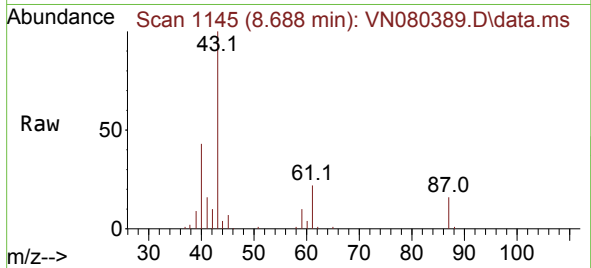




#43
Isopropyl Acetate
Concen: 19.273 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

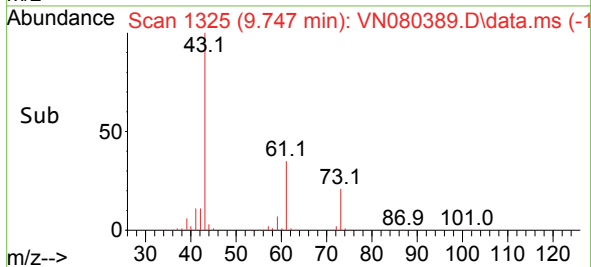
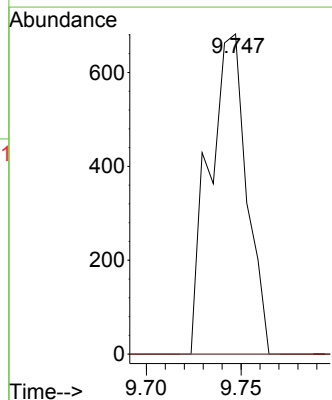
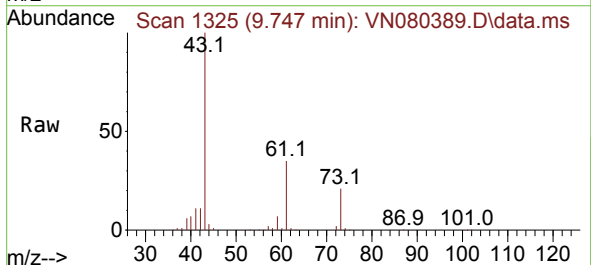
Instrument :
MSVOA_N
ClientSampleId :

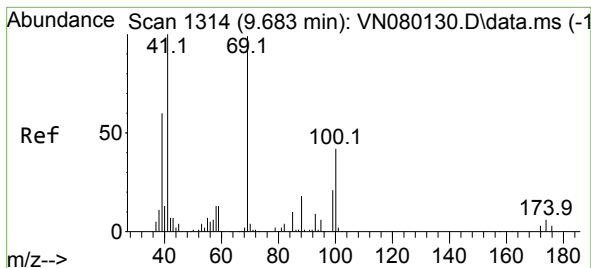
Tgt Ion: 43 Resp: 93047
Ion Ratio Lower Upper
43 100
61 20.3 24.7 37.1#
87 15.5 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.397 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 63 Resp: 939
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.096 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.024 min

Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :

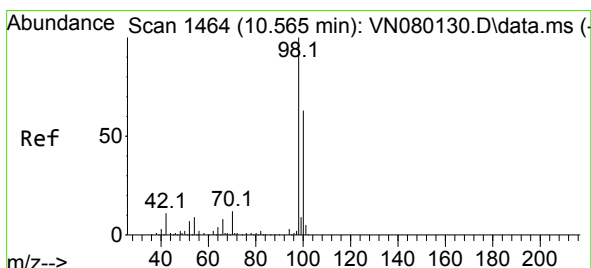
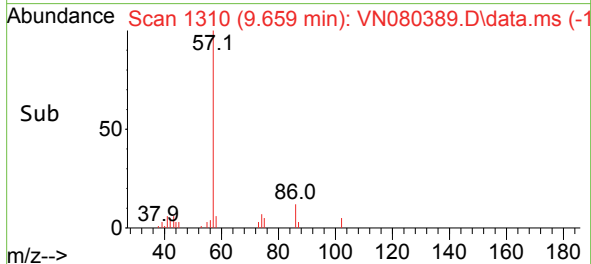
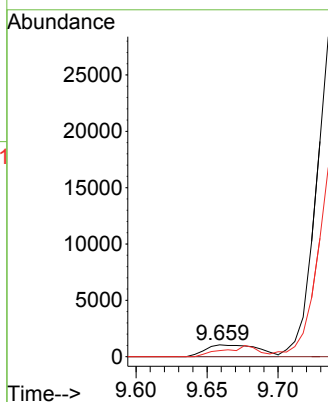
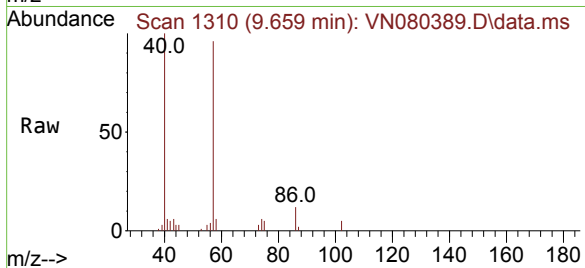
Tgt Ion: 41 Resp: 2727

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.6 54.6 81.8



#50

Toluene-d8

Concen: 50.626 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080389.D

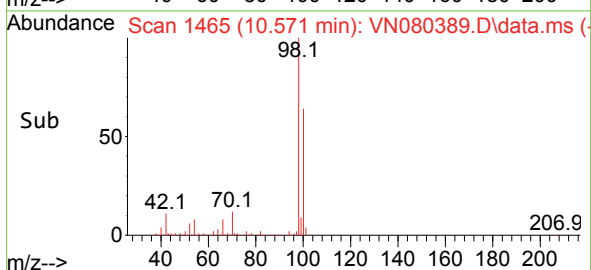
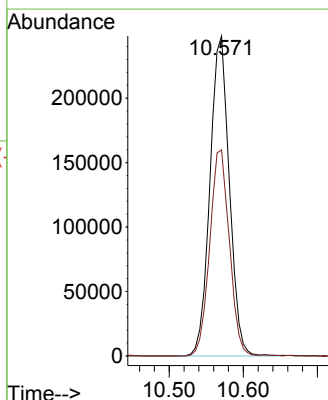
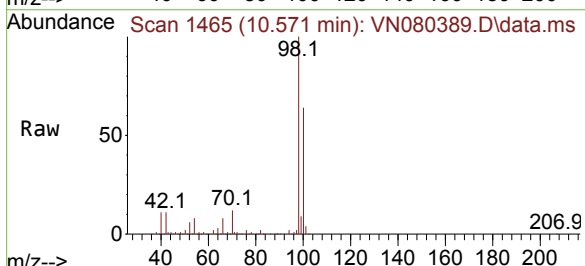
Acq: 06 Dec 2023 16:22

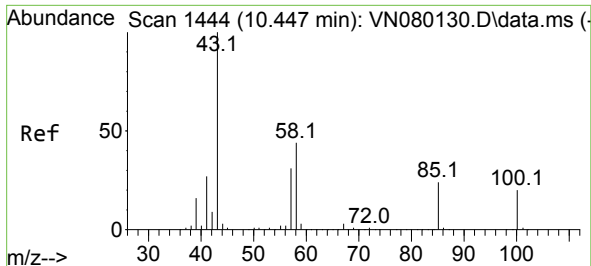
Tgt Ion: 98 Resp: 450841

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.657 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

Instrument :

MSVOA_N

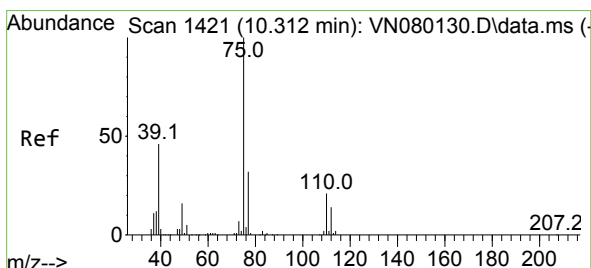
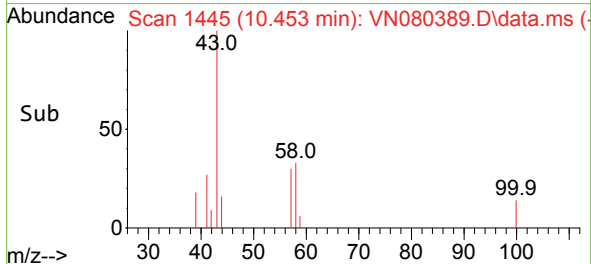
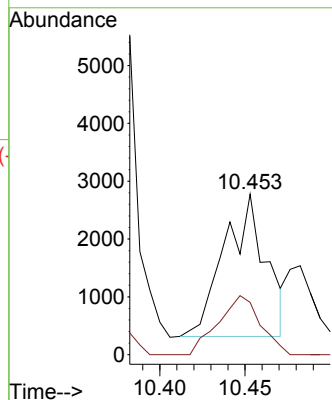
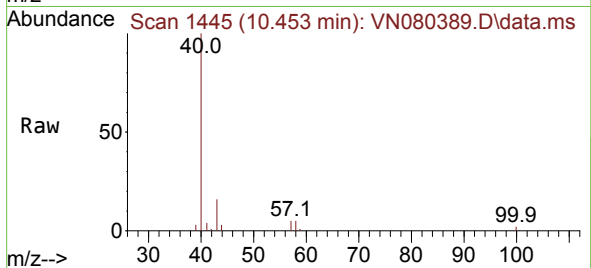
ClientSampleId :

Tgt Ion: 43 Resp: 4142

Ion Ratio Lower Upper

43 100

58 42.5 36.6 54.8



#54

cis-1,3-Dichloropropene

Concen: 8.718 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

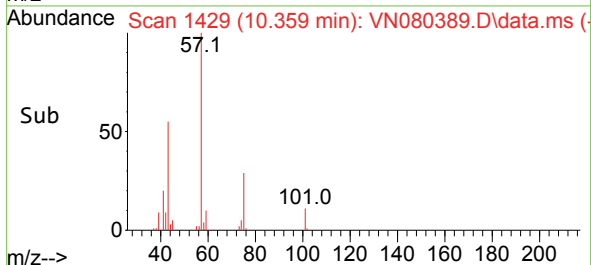
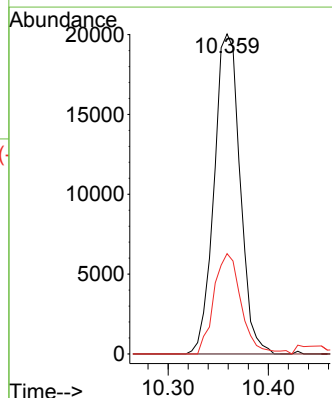
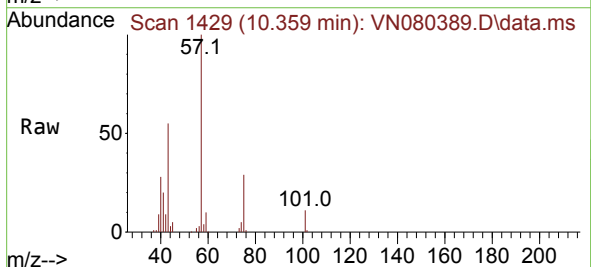
Tgt Ion: 75 Resp: 35995

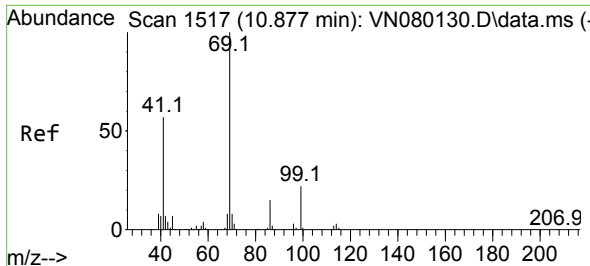
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

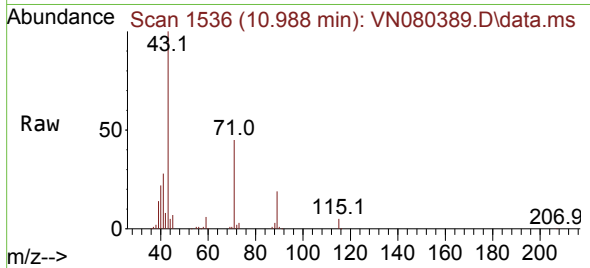
39 31.3 31.6 47.4#



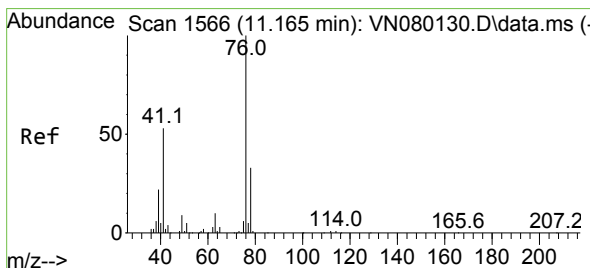
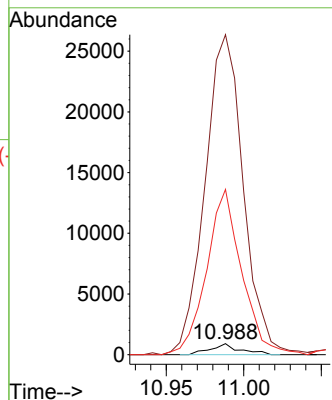
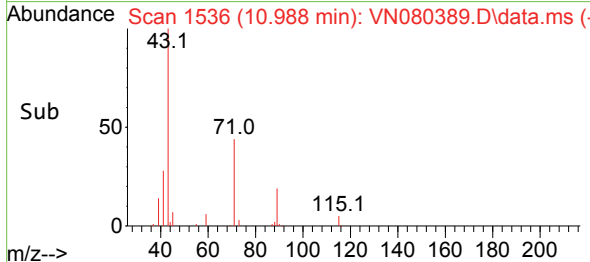


#56
Ethyl methacrylate
Concen: 0.479 ug/l
RT: 10.988 min Scan# 1189
Delta R.T. 0.112 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Instrument :
MSVOA_N
ClientSampleId :

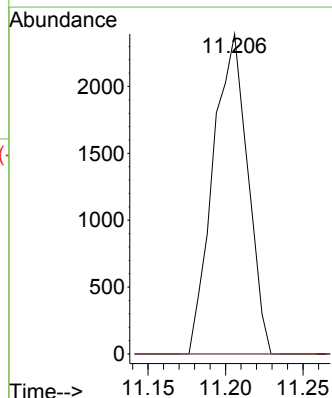
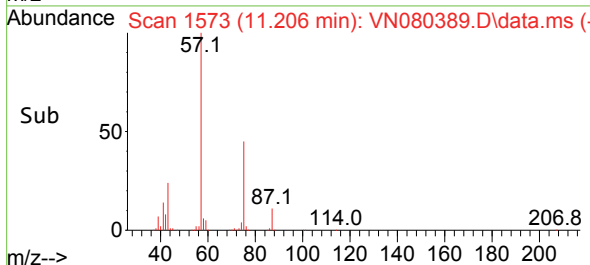
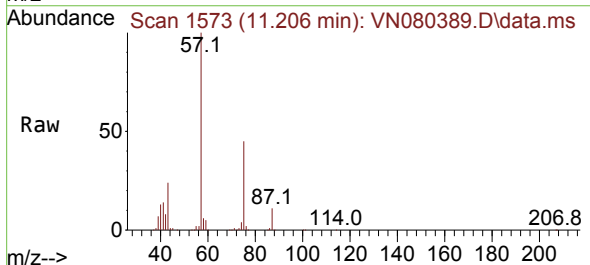


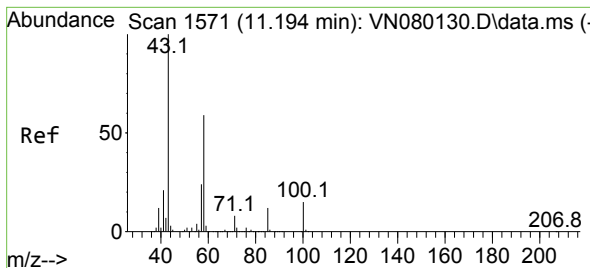
Tgt Ion: 69 Resp: 1189
Ion Ratio Lower Upper
69 100
41 3816.9 39.6 59.4#
39 1806.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.876 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 76 Resp: 3714
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

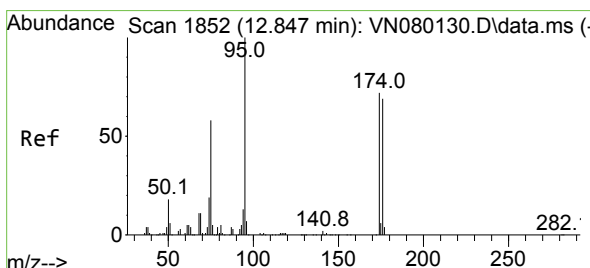
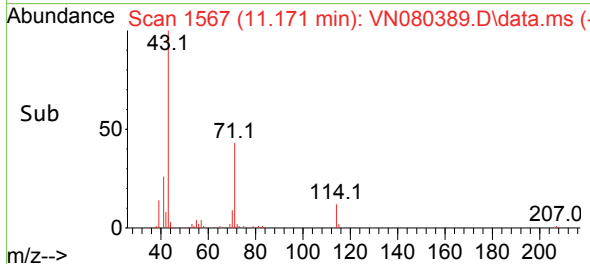
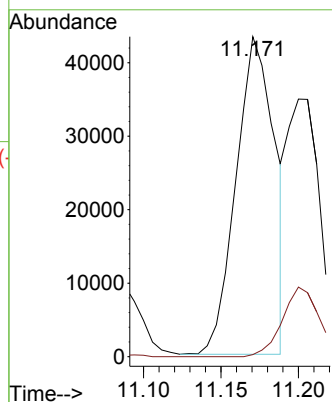
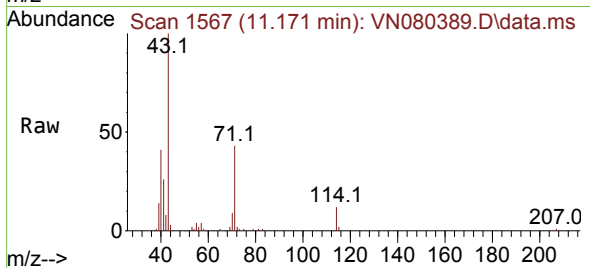




#59
2-Hexanone
Concen: 37.252 ug/l
RT: 11.171 min Scan# 1157
Delta R.T. -0.024 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

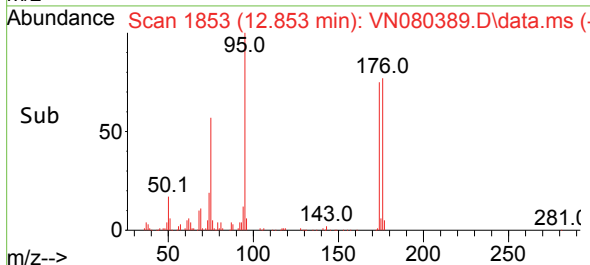
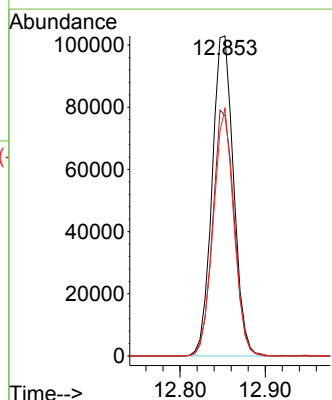
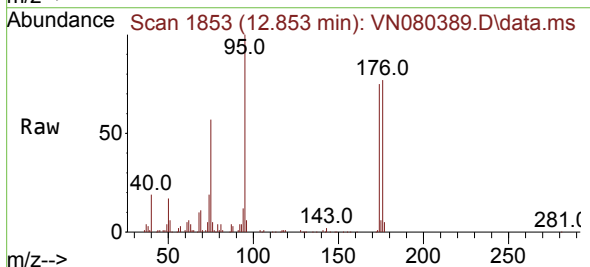
Instrument :
MSVOA_N
ClientSampleId :

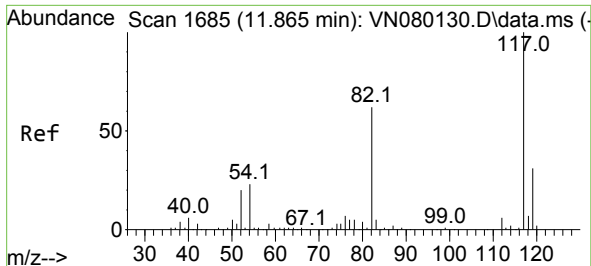
Tgt Ion: 43 Resp: 74819
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.360 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 95 Resp: 179487
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 73.9 0.0 135.8

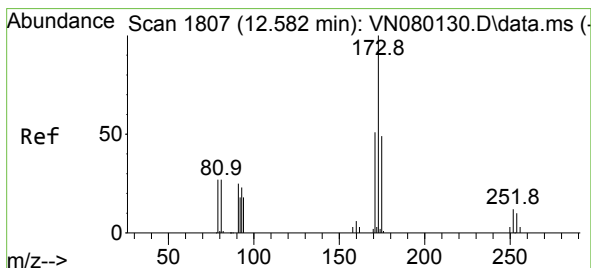
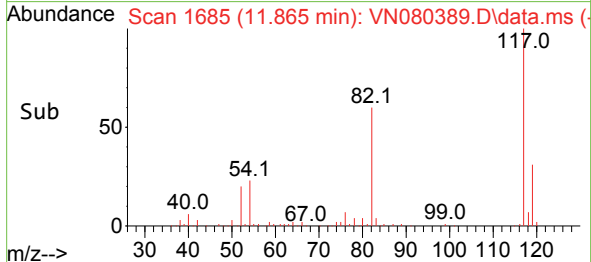
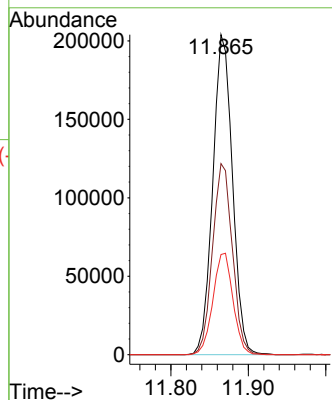
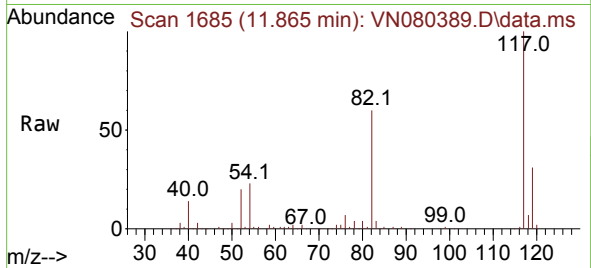




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

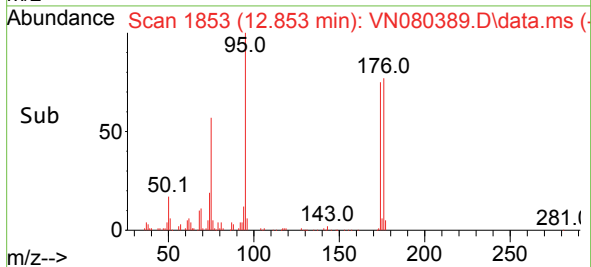
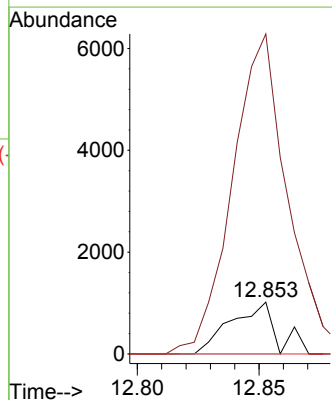
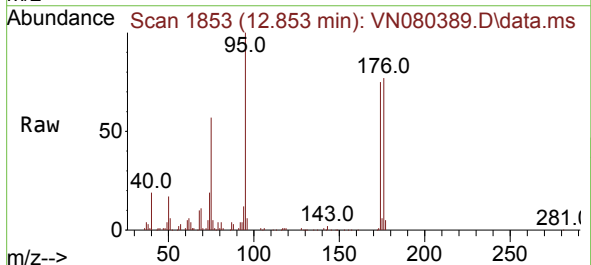
Instrument :
MSVOA_N
ClientSampleId :

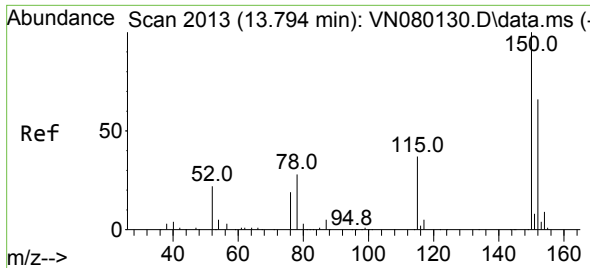
Tgt Ion:117 Resp: 360716
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.493 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

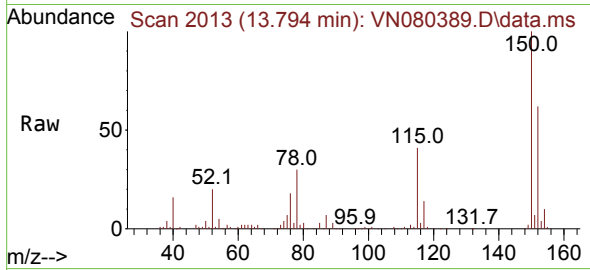
Tgt Ion:173 Resp: 1159
Ion Ratio Lower Upper
173 100
175 713.5 24.3 73.0#
254 0.0 0.0 0.0



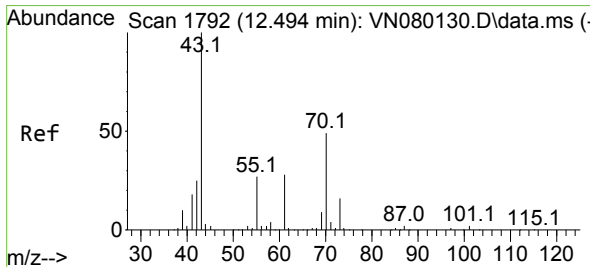
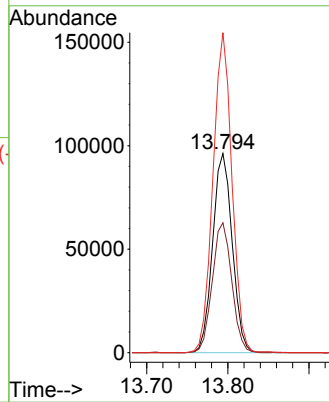
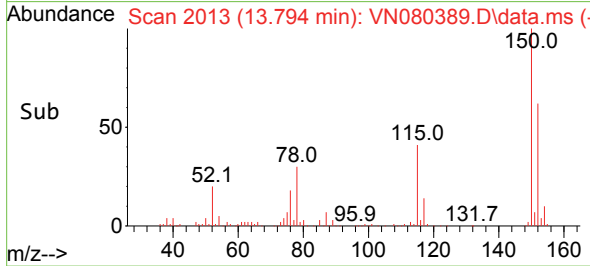


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

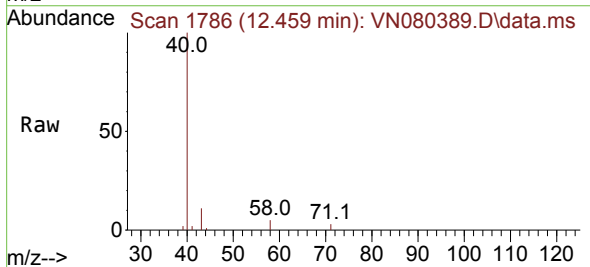
Instrument :
MSVOA_N
ClientSampleId :



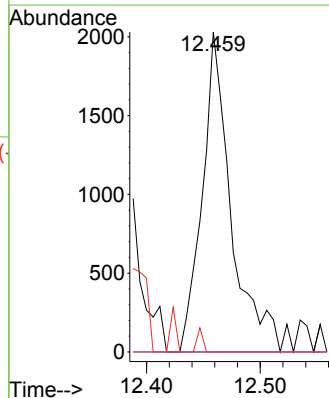
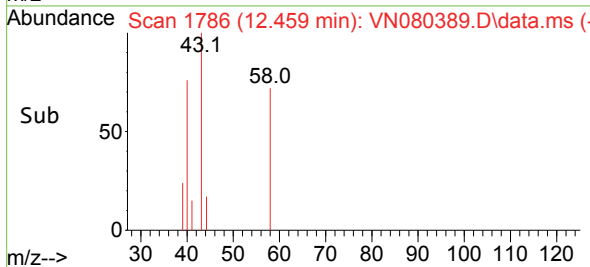
Tgt Ion:152 Resp: 161211
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 155.7 0.0 355.8

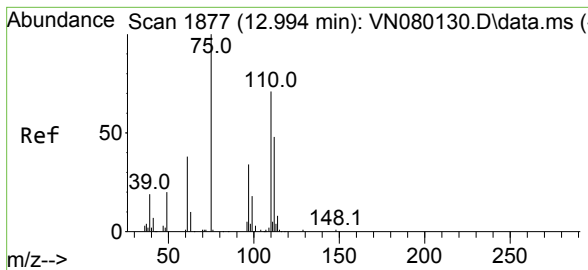


#74
N-ethyl acetate
Concen: 0.915 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22



Tgt Ion: 43 Resp: 3573
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#

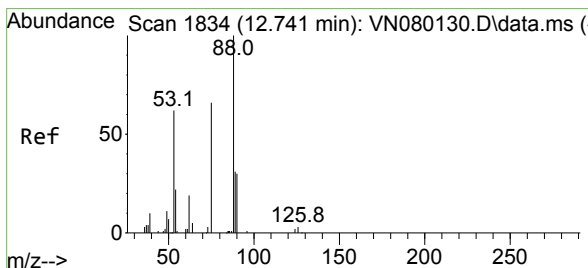
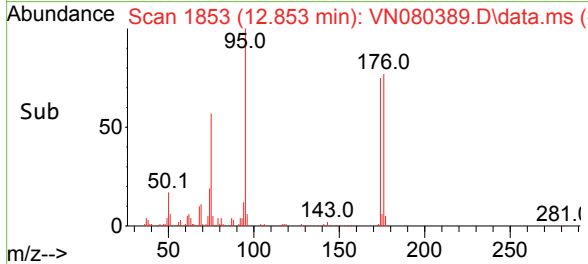
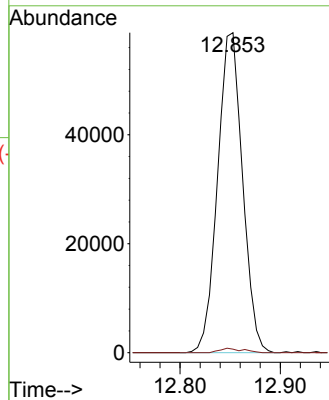
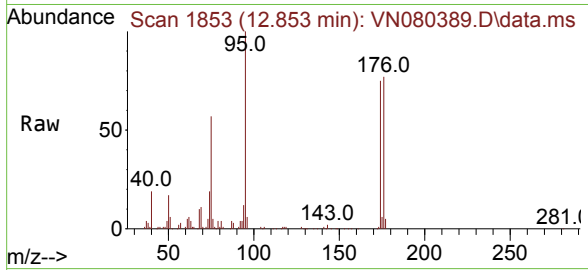




#76
1,2,3-Trichloropropane
Concen: 25.672 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

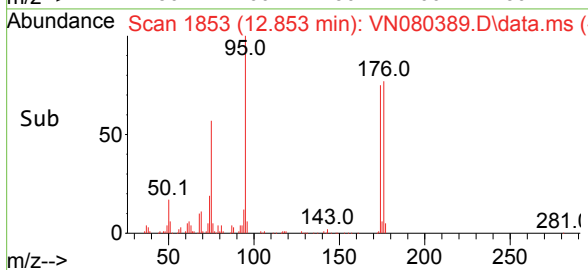
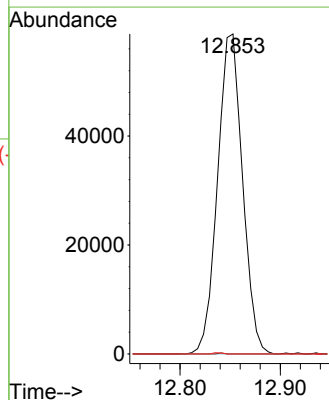
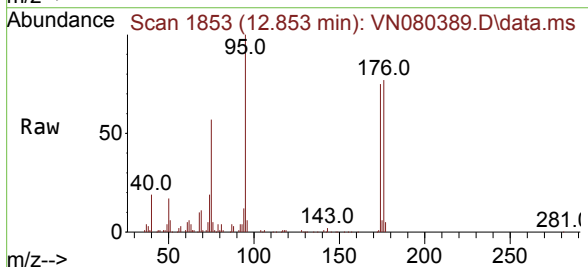
Instrument :
MSVOA_N
ClientSampleId :

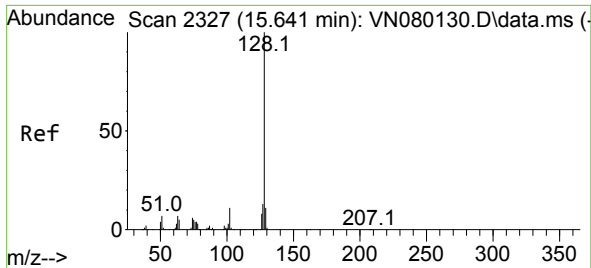
Tgt Ion: 75 Resp: 101402
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.734 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080389.D
Acq: 06 Dec 2023 16:22

Tgt Ion: 75 Resp: 101402
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#





#95

Naphthalene

Concen: 5.388 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

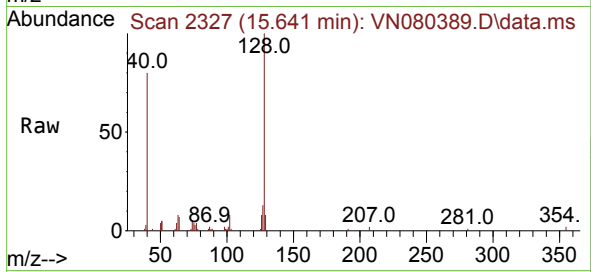
Lab File: VN080389.D

Acq: 06 Dec 2023 16:22

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 49487

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 10.7 8.7 13.1

