

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080186.D
 Acq On : 18 Nov 2023 15:19
 Operator : JC\MD
 Sample : 05425-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 01:26:15 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)

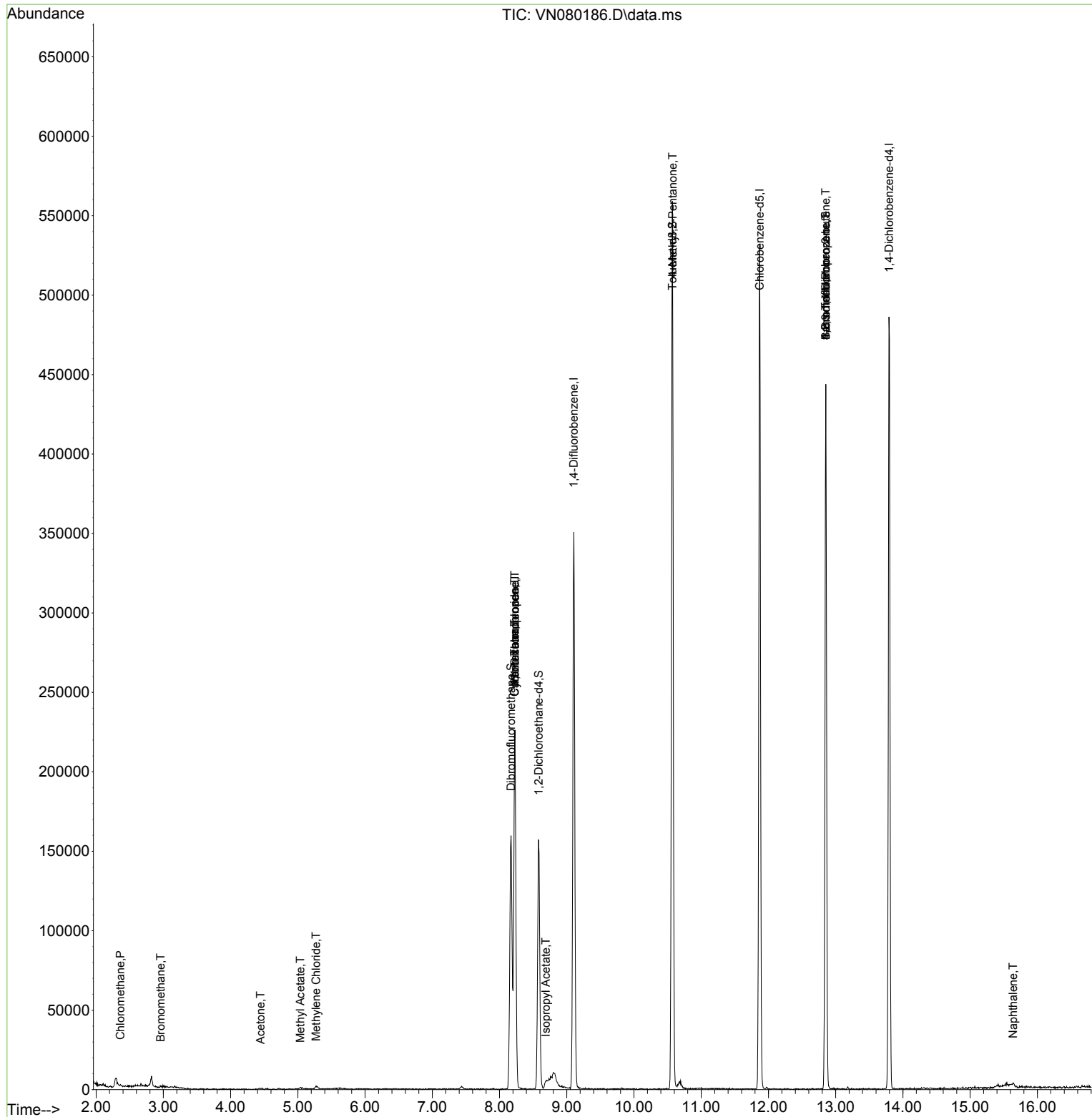
Internal Standards						
1) Pentafluorobenzene	8.229	168	152402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	300756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142658	56.691	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.380%	
35) Dibromofluoromethane	8.171	113	111811	53.171	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.340%	
50) Toluene-d8	10.570	98	381645	50.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.853	95	145888	50.952	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	641	0.376	ug/l #	42
5) Bromomethane	2.959	94	364	0.297	ug/l #	4
6) Chloroethane	3.136	64	191	Below Cal	#	43
16) Acetone	4.447	43	592	0.700	ug/l #	40
18) Methyl Acetate	5.036	43	1408	0.518	ug/l #	42
20) Methylene Chloride	5.271	84	1667	0.942	ug/l #	44
31) Cyclohexane	8.224	56	3502	1.280	ug/l #	7
36) 1,1-Dichloropropene	8.229	75	13877	4.558	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17294	4.476	ug/l #	16
43) Isopropyl Acetate	8.688	43	4888	1.189	ug/l #	49
51) 4-Methyl-2-Pentanone	10.576	43	1920	0.902	ug/l #	1
71) Bromoform	12.853	173	834	0.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81684	25.269	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81684	85.373	ug/l #	15
95) Naphthalene	15.641	128	1760	0.234	ug/l #	70

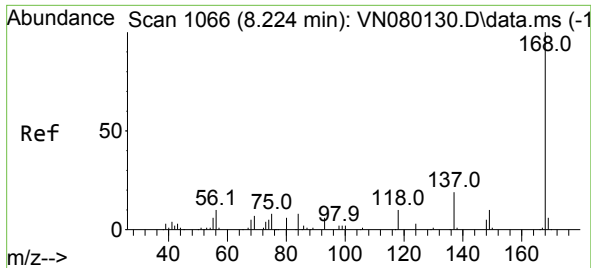
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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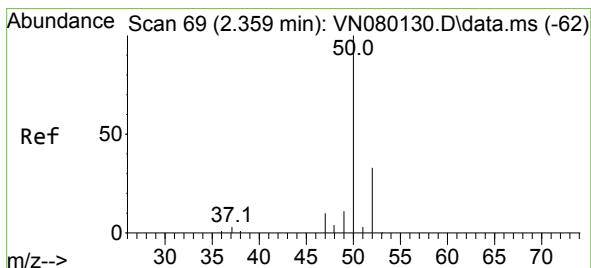
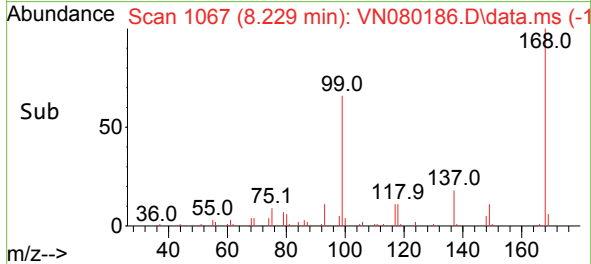
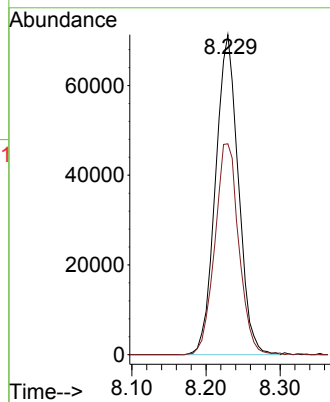
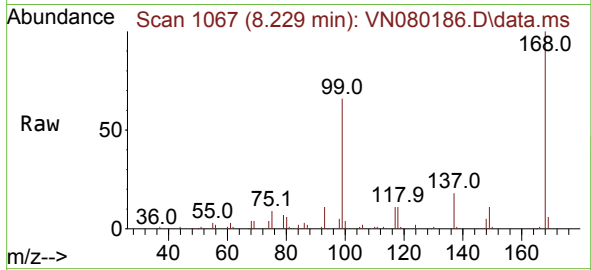




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

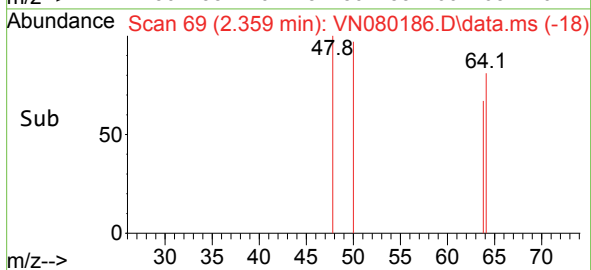
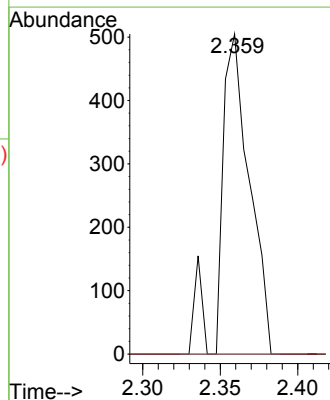
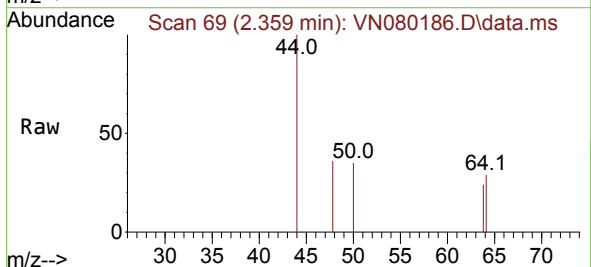
Instrument :
MSVOA_N
ClientSampleId :

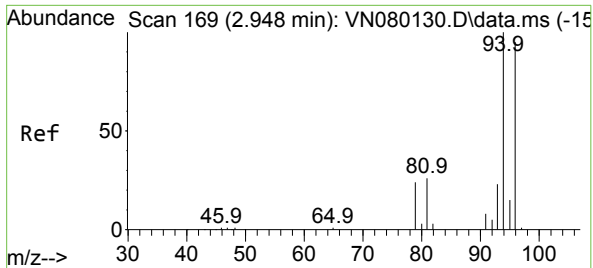
Tgt Ion:168 Resp: 152402
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: 0.376 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion: 50 Resp: 641
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.297 ug/l

RT: 2.959 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

Instrument :

MSVOA_N

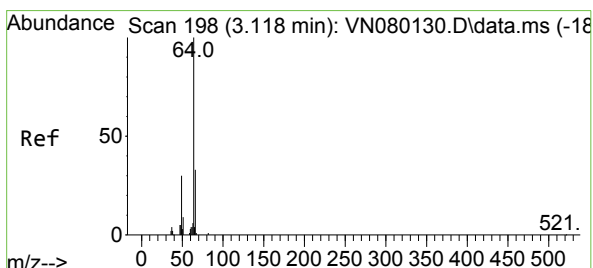
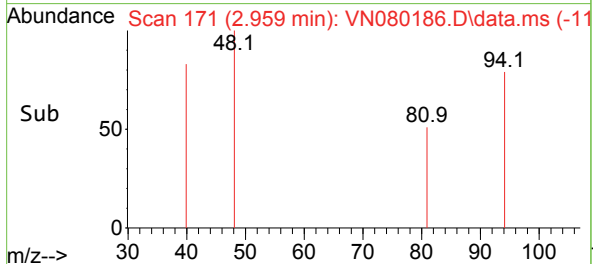
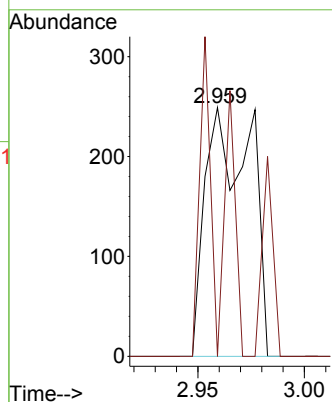
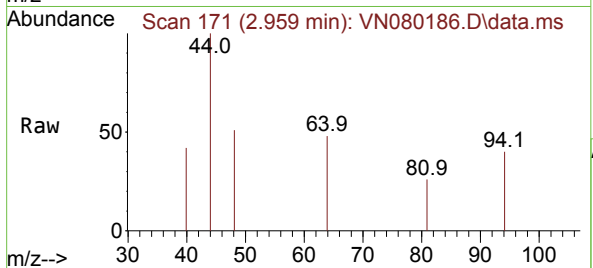
ClientSampleId :

Tgt Ion: 94 Resp: 364

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.136 min Scan# 201

Delta R.T. 0.018 min

Lab File: VN080186.D

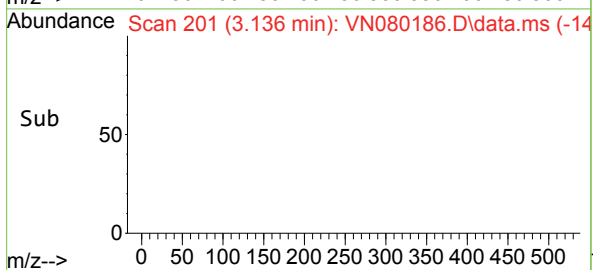
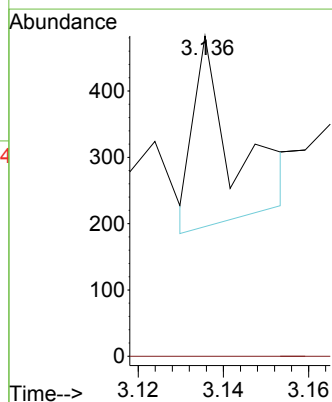
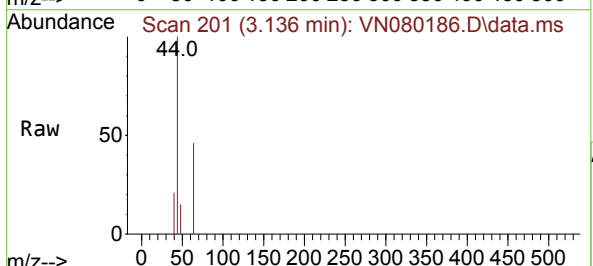
Acq: 18 Nov 2023 15:19

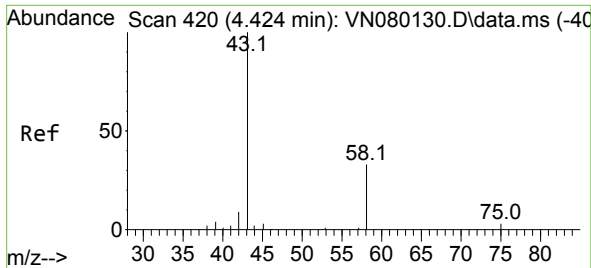
Tgt Ion: 64 Resp: 191

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

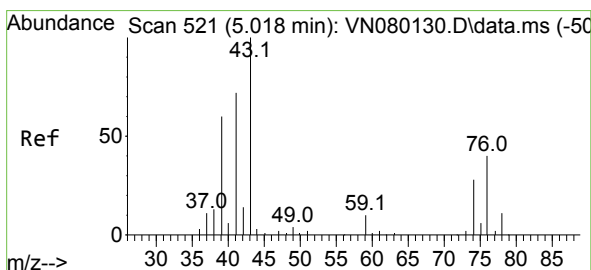
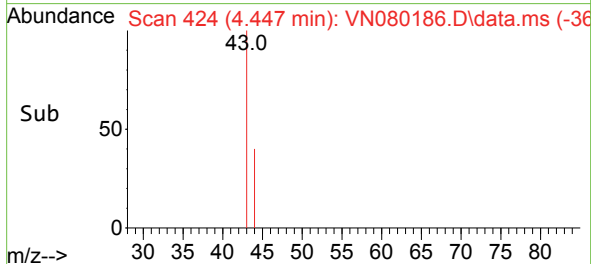
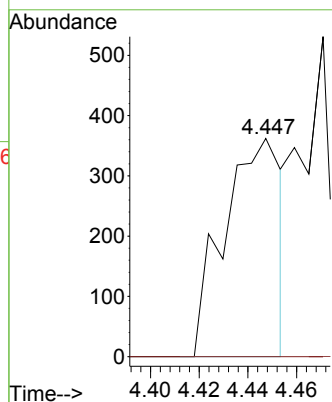
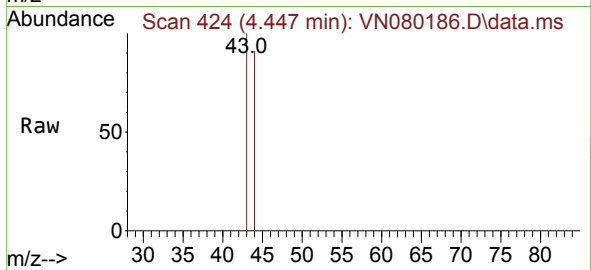




#16
Acetone
Concen: 0.700 ug/l
RT: 4.447 min Scan# 431
Delta R.T. 0.023 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

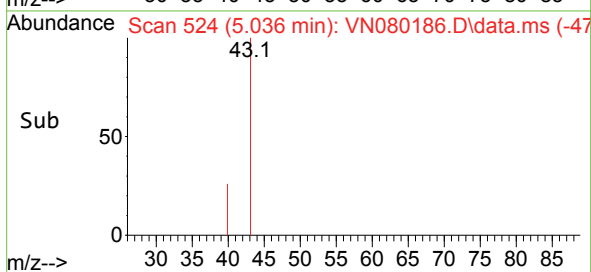
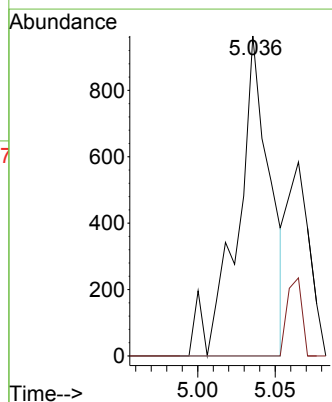
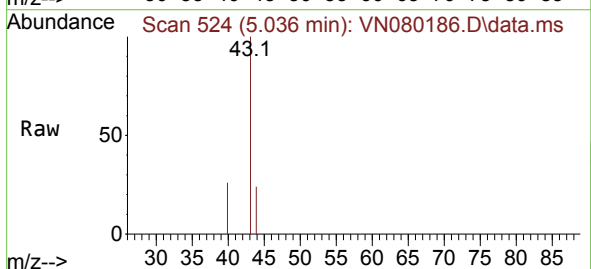
Instrument :
MSVOA_N
ClientSampleId :

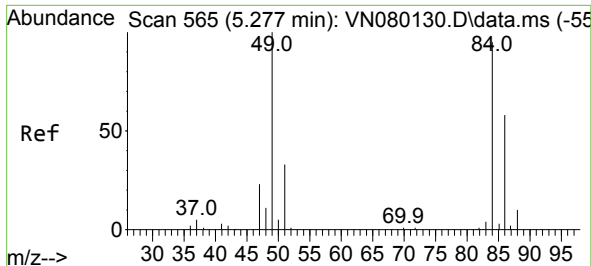
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

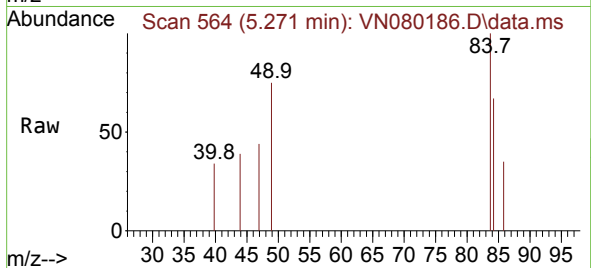
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



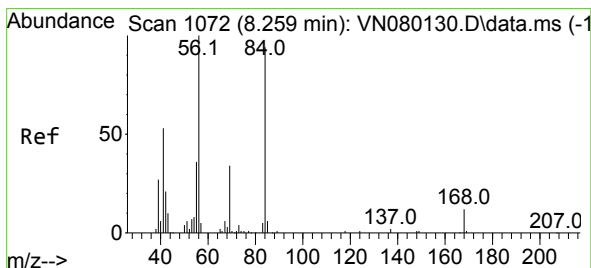
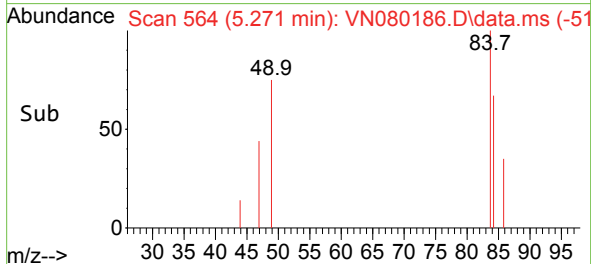
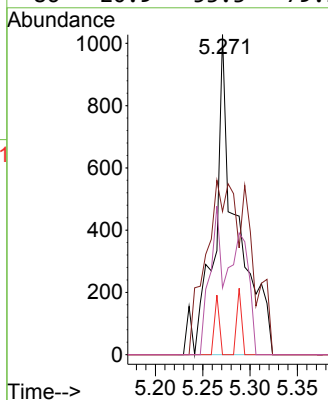


#20
Methylene Chloride
Concen: 0.942 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

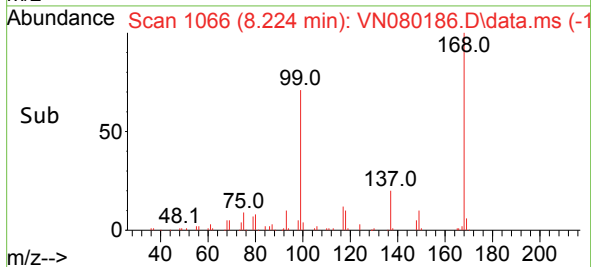
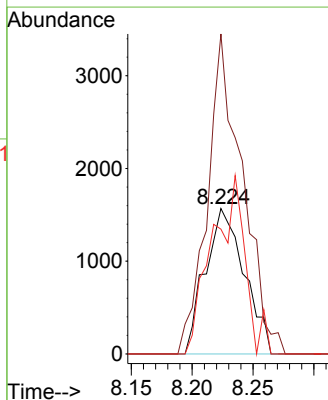
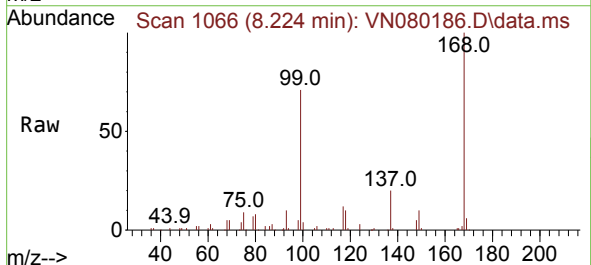


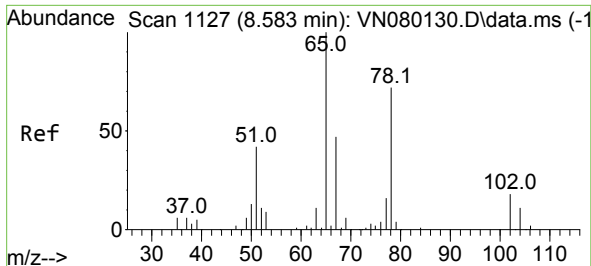
Tgt Ion:	84	Resp:	1667
Ion	Ratio	Lower	Upper
84	100		
49	44.7	79.7	119.5#
51	0.0	25.2	37.8#
86	20.9	53.3	79.9#



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion:	56	Resp:	3502
Ion	Ratio	Lower	Upper
56	100		
69	220.1	26.8	40.2#
84	85.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 56.691 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

Instrument :

MSVOA_N

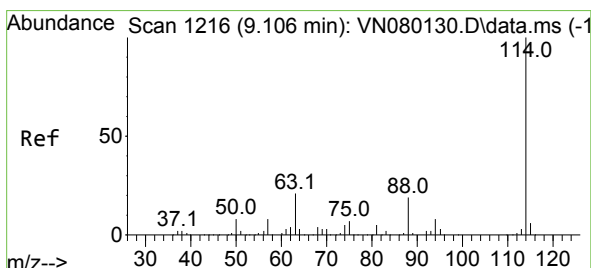
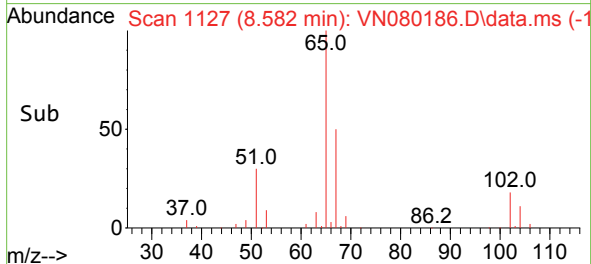
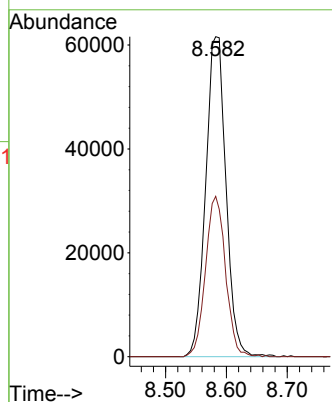
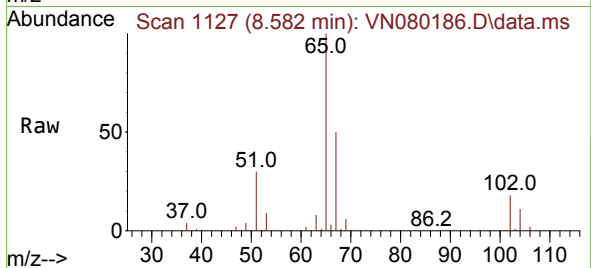
ClientSampleId :

Tgt Ion: 65 Resp: 142658

Ion Ratio Lower Upper

65 100

67 49.5 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: VN080186.D

Acq: 18 Nov 2023 15:19

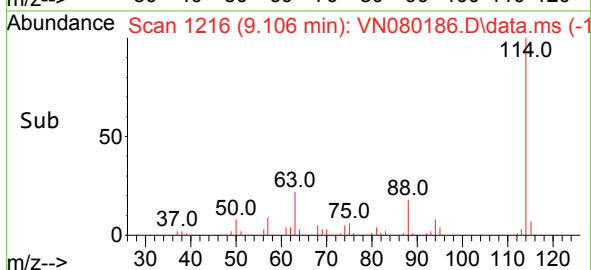
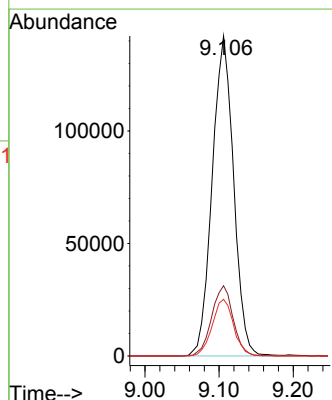
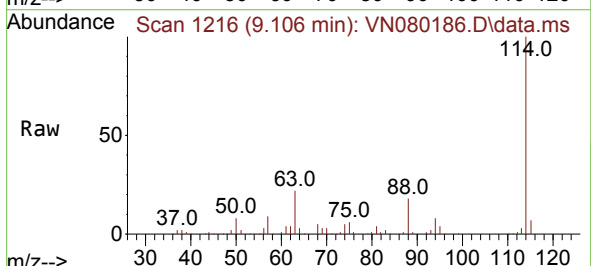
Tgt Ion: 114 Resp: 284993

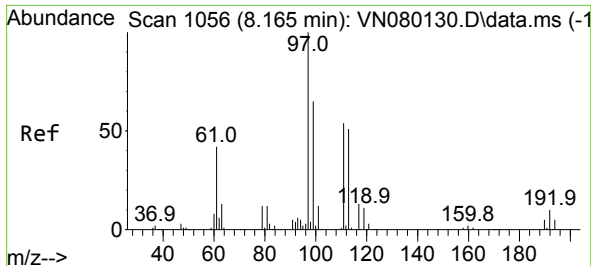
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 17.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.171 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

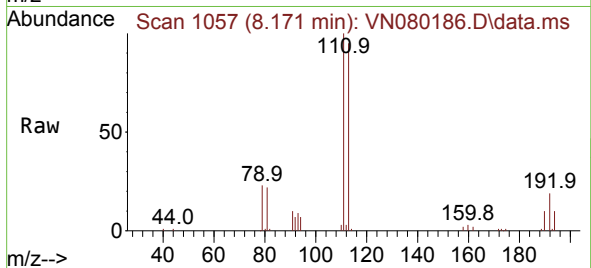
Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :



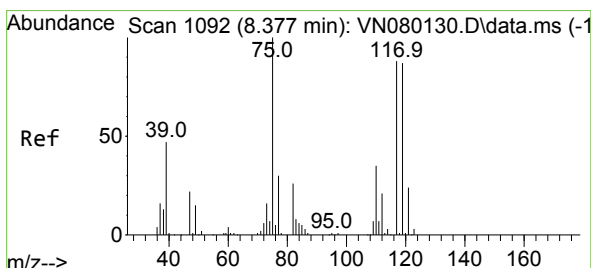
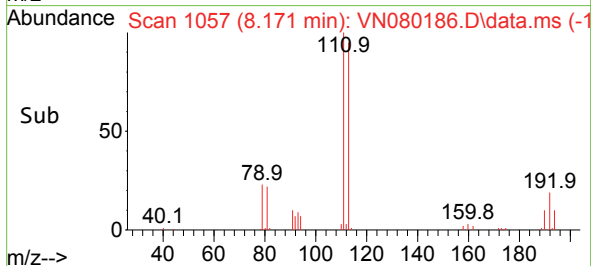
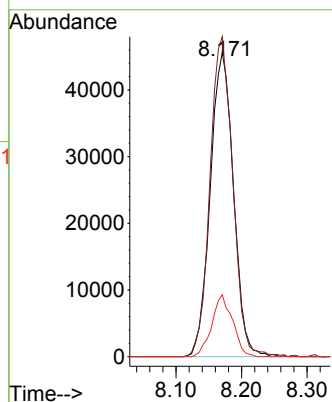
Tgt Ion:113 Resp: 111811

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

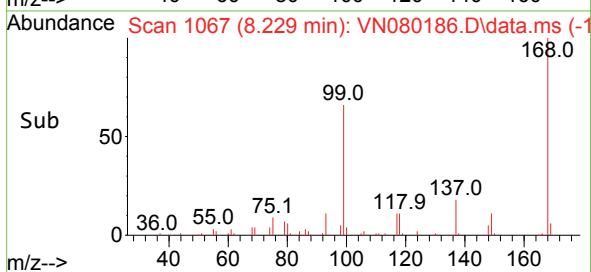
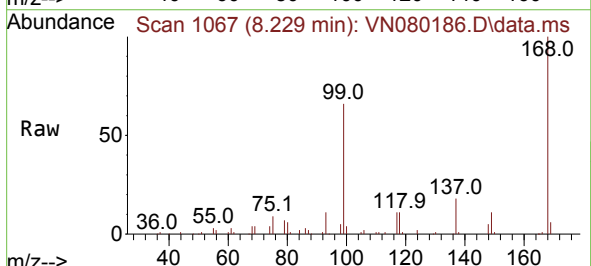
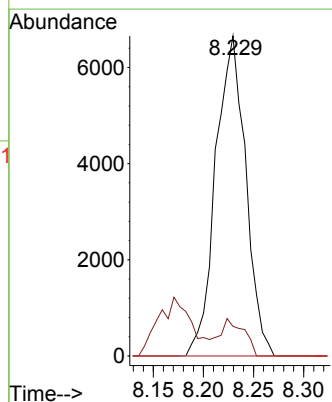
Tgt Ion: 75 Resp: 13877

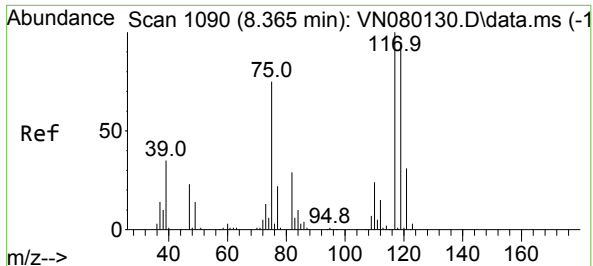
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

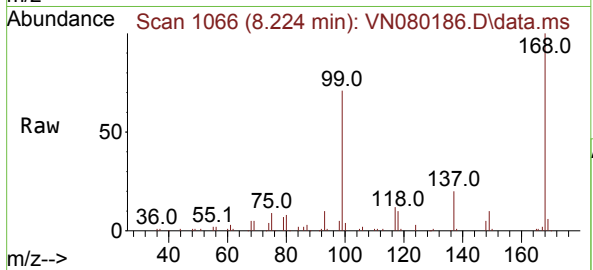
77 0.0 25.0 37.4#



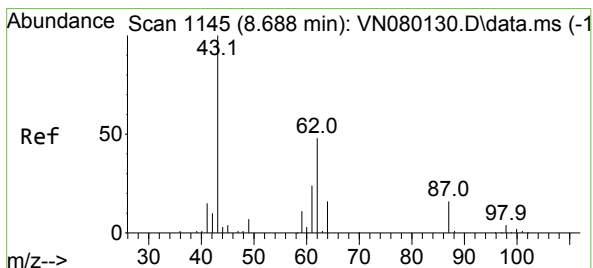
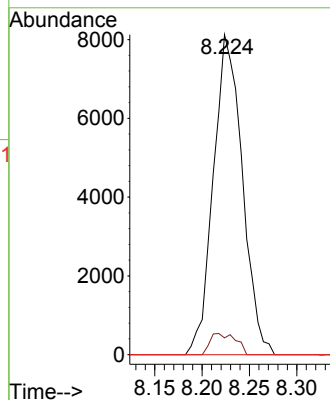
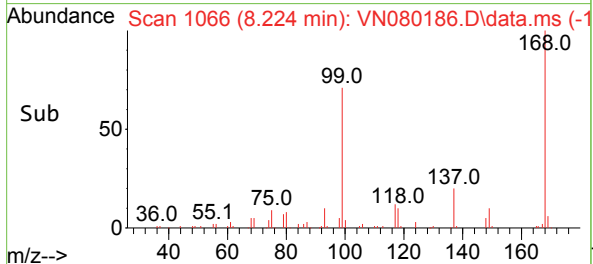


#38
Carbon Tetrachloride
Concen: 4.476 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

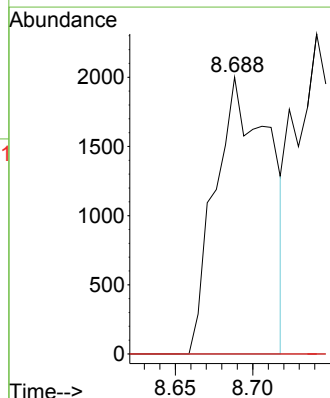
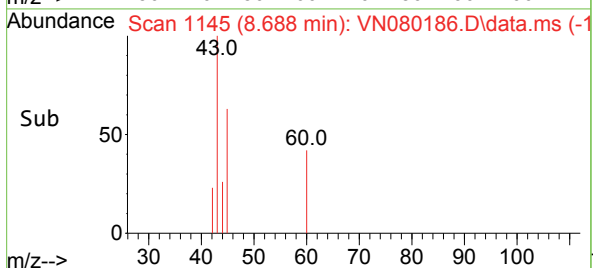
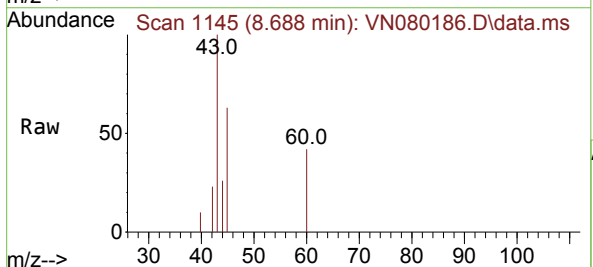


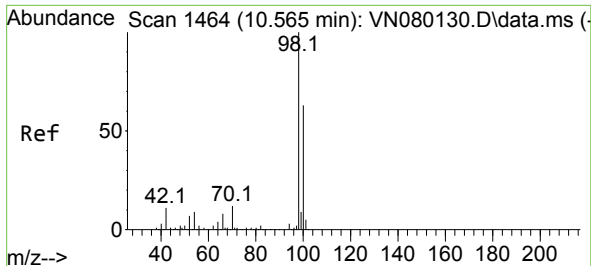
Tgt Ion:117 Resp: 17294
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.189 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion: 43 Resp: 4888
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

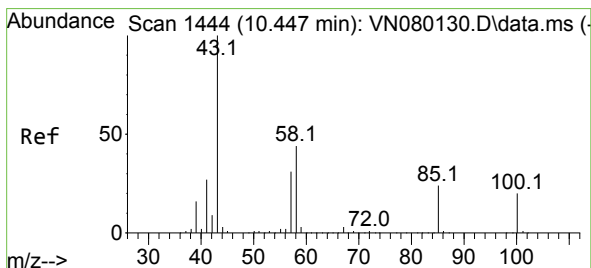
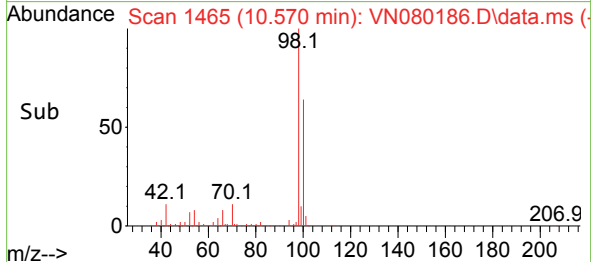
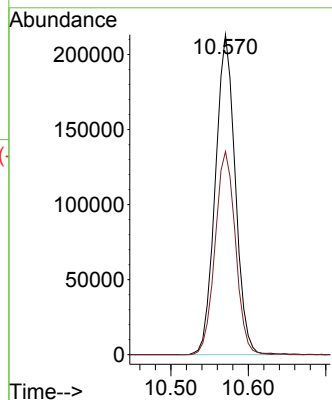
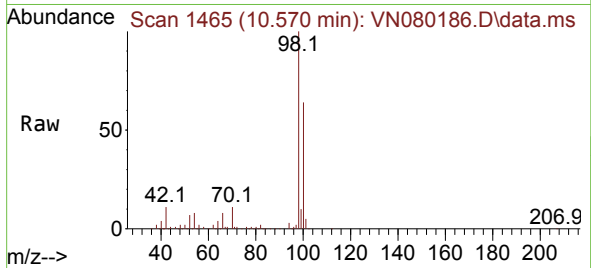




#50
Toluene-d8
Concen: 50.346 ug/l
RT: 10.570 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

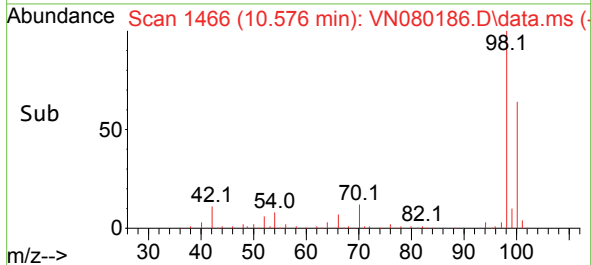
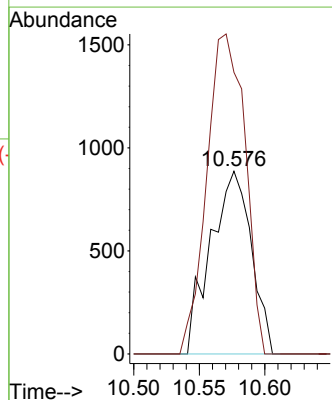
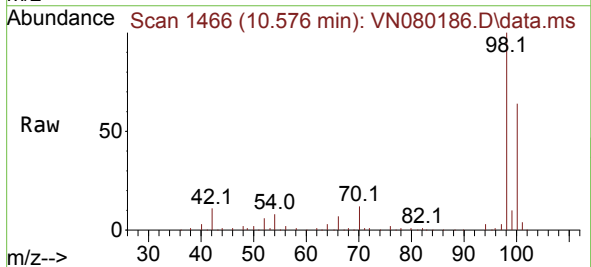
Instrument :
MSVOA_N
ClientSampleId :

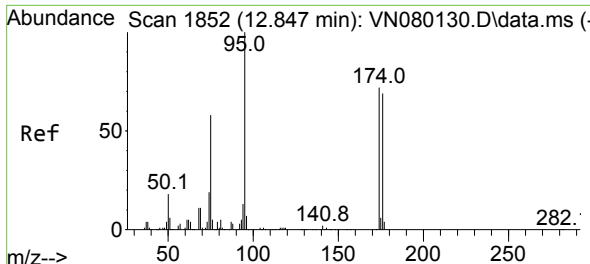
Tgt Ion: 98 Resp: 381645
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.902 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
58 164.4 36.6 54.8#

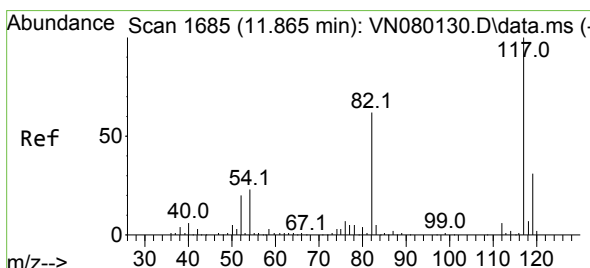
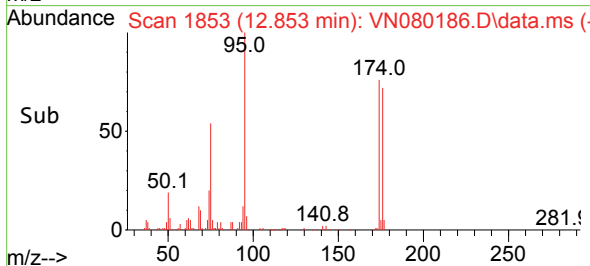
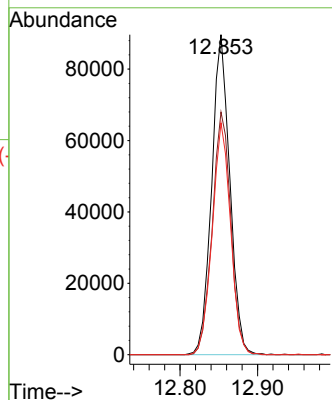
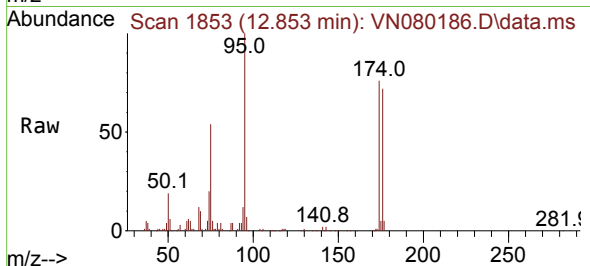




#62
4-Bromofluorobenzene
Concen: 50.952 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

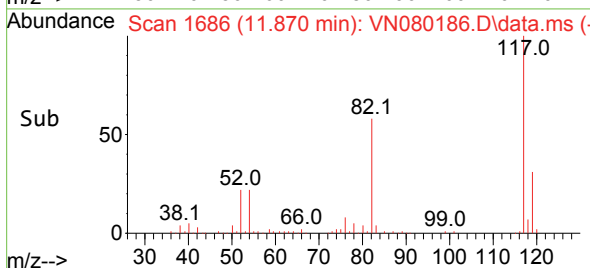
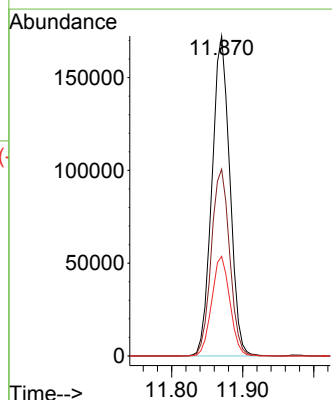
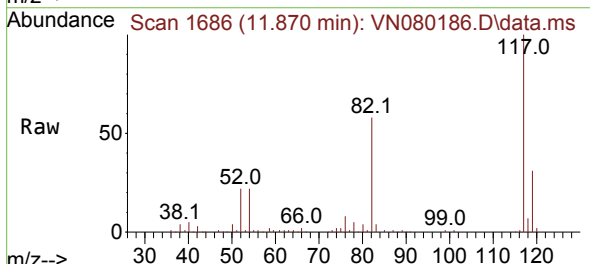
Instrument :
MSVOA_N
ClientSampleId :

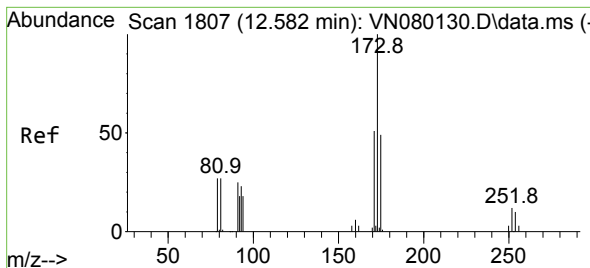
Tgt Ion: 95 Resp: 145888
Ion Ratio Lower Upper
95 100
174 77.4 0.0 143.8
176 73.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion: 117 Resp: 300756
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 31.1 25.6 38.4





#71

Bromoform

Concen: 0.425 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

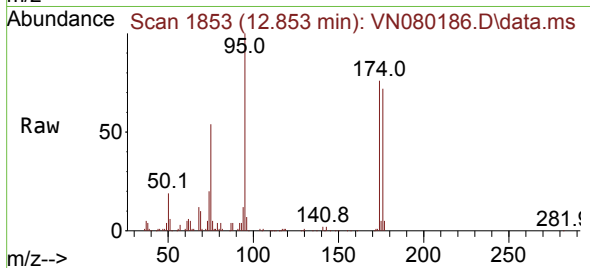
Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

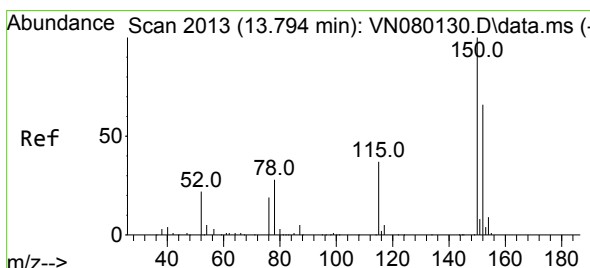
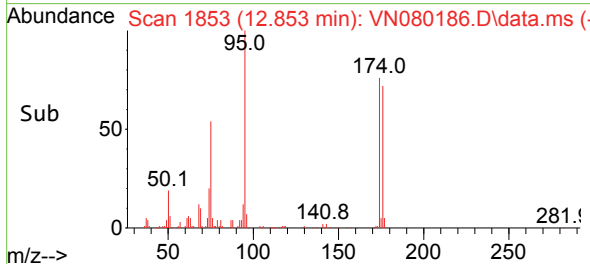
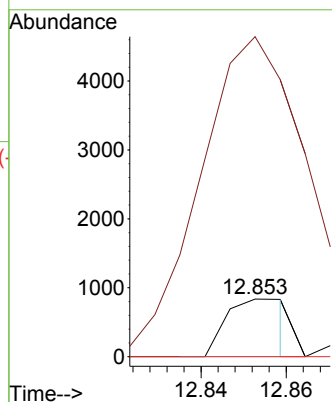
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	834
Ion Ratio	Lower	Upper	
173	100		
175	763.2	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

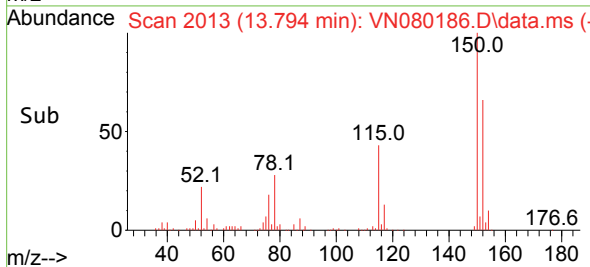
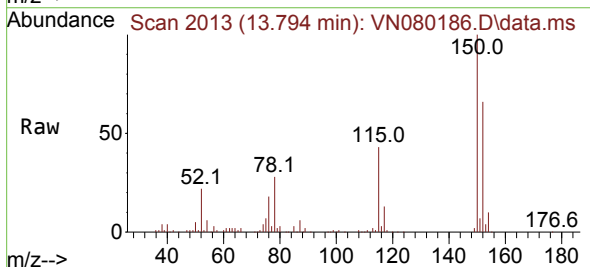
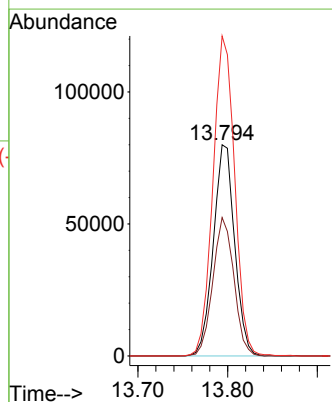
RT: 13.794 min Scan# 2013

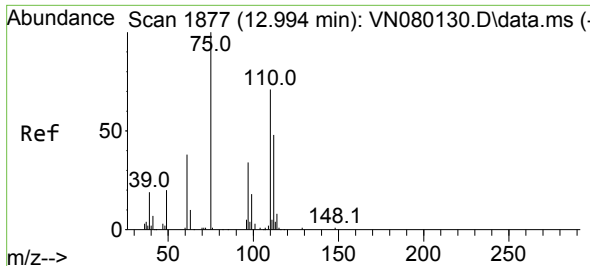
Delta R.T. -0.000 min

Lab File: VN080186.D

Acq: 18 Nov 2023 15:19

Tgt Ion:	152	Resp:	131934
Ion Ratio	Lower	Upper	
152	100		
115	64.7	32.3	96.8
150	154.6	0.0	355.8

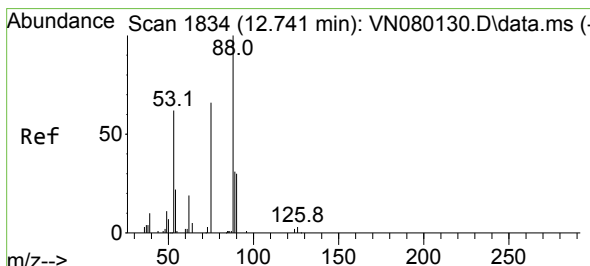
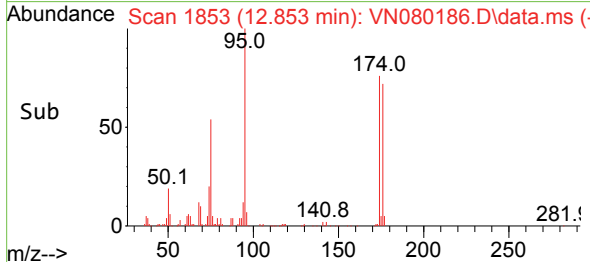
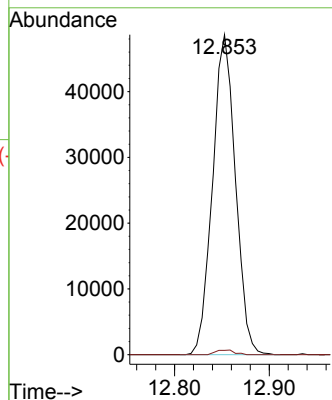
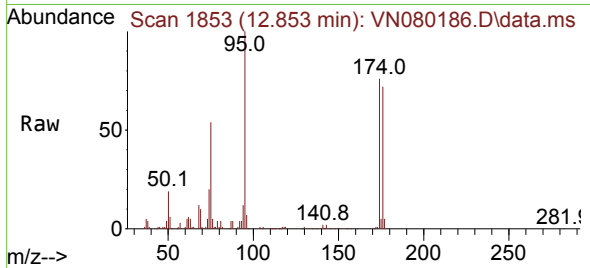




#76
1,2,3-Trichloropropane
Concen: 25.269 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

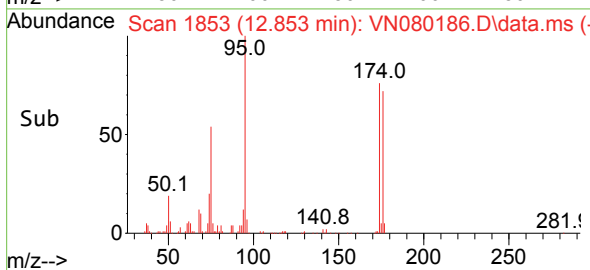
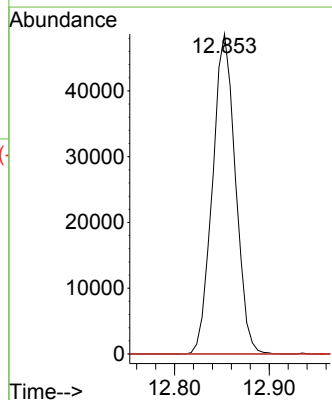
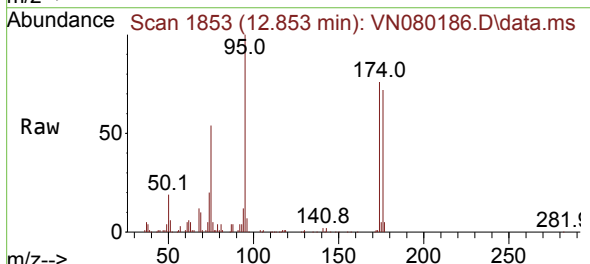
Instrument :
MSVOA_N
ClientSampleId :

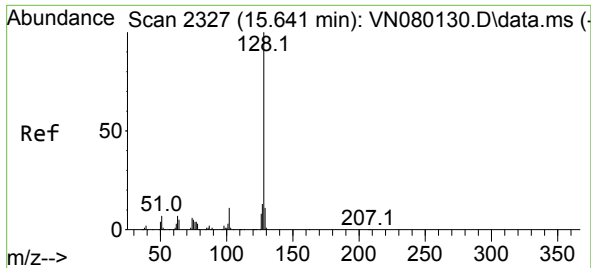
Tgt Ion: 75 Resp: 81684
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.373 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Tgt Ion: 75 Resp: 81684
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.234 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080186.D
Acq: 18 Nov 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1760
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

