

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080191.D
 Acq On : 18 Nov 2023 17:19
 Operator : JC\MD
 Sample : 05490-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 01:28:34 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)

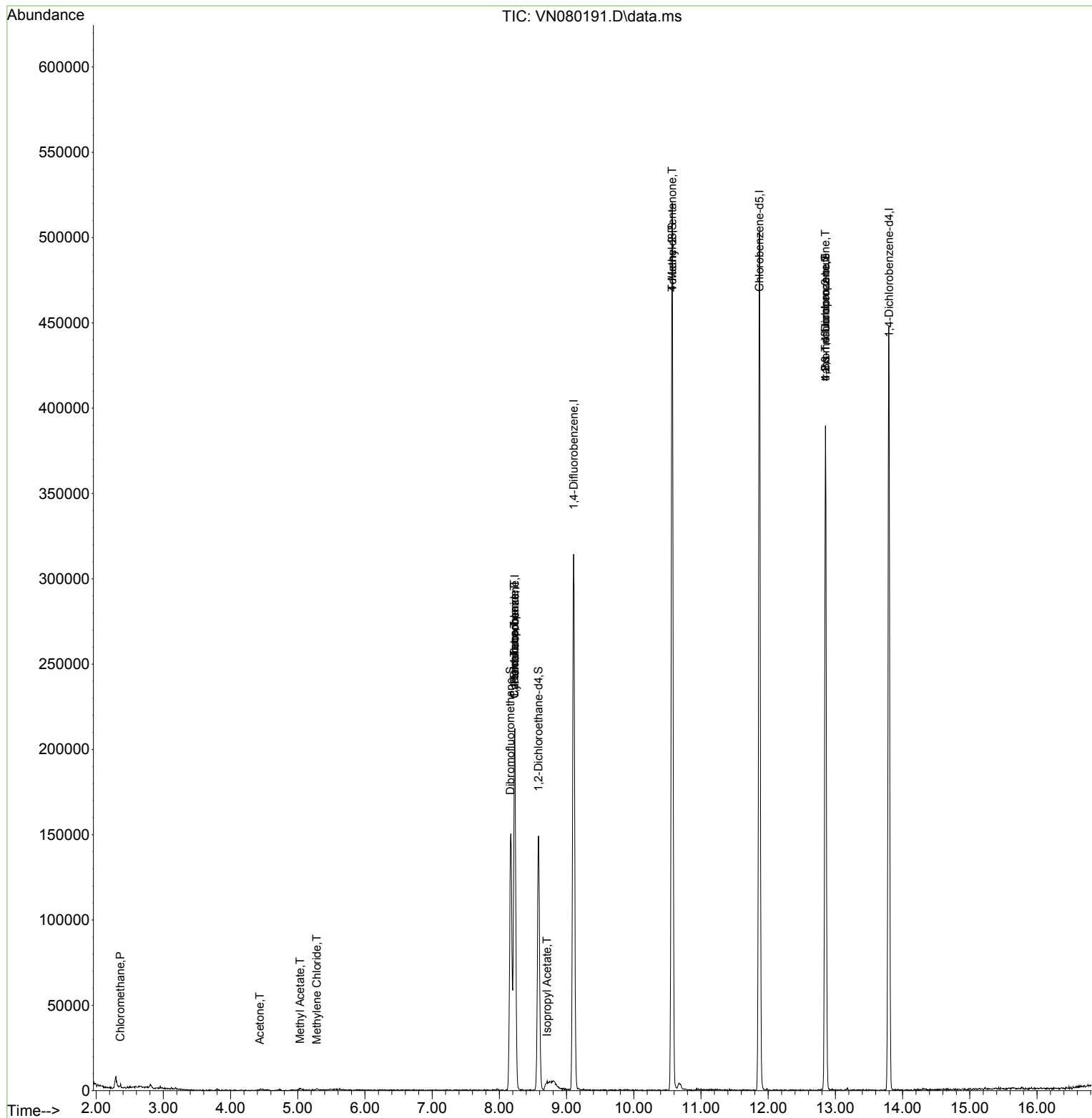
Internal Standards						
1) Pentafluorobenzene	8.230	168	144396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	260750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	280897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	120508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136285	57.162	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.320%
35) Dibromofluoromethane	8.165	113	105175	54.665	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.340%
50) Toluene-d8	10.571	98	356298	51.372	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.740%
62) 4-Bromofluorobenzene	12.853	95	132367	50.528	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	863	0.534	ug/l	89
6) Chloroethane	3.130	64	137	Below Cal	#	43
16) Acetone	4.436	43	436	0.544	ug/l #	40
18) Methyl Acetate	5.036	43	1392	0.541	ug/l #	85
20) Methylene Chloride	5.283	84	360	0.215	ug/l #	55
31) Cyclohexane	8.224	56	3576	1.379	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	12609	4.527	ug/l #	47
38) Carbon Tetrachloride	8.224	117	16834	4.762	ug/l #	16
43) Isopropyl Acetate	8.712	43	3916	1.042	ug/l #	49
51) 4-Methyl-2-Pentanone	10.571	43	1490	0.765	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	74480	25.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74480	85.224	ug/l #	15

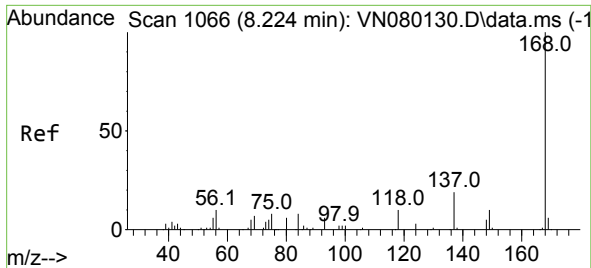
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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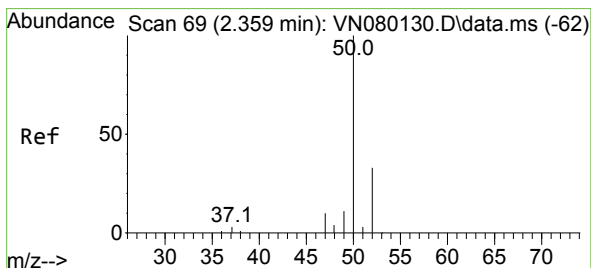
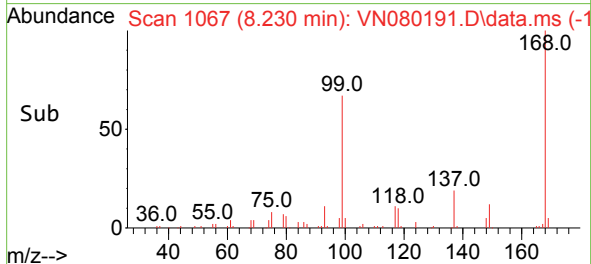
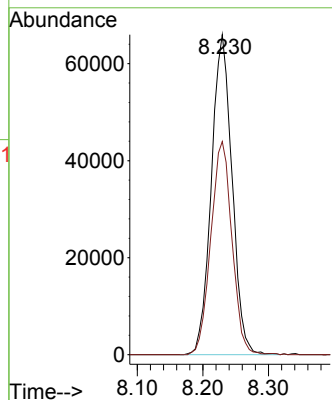
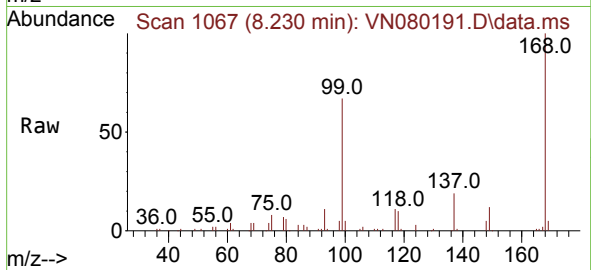




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

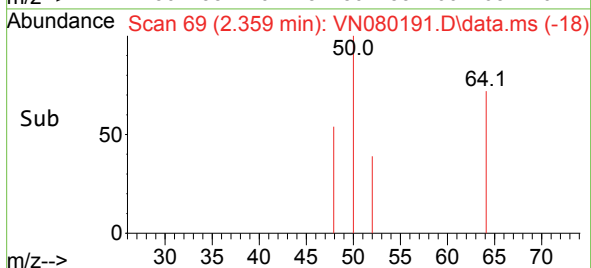
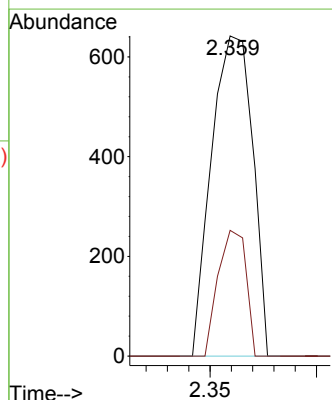
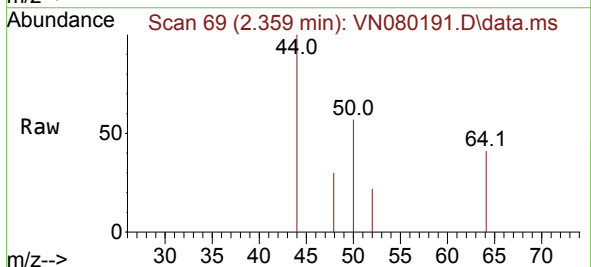
Instrument :
MSVOA_N
ClientSampleId :

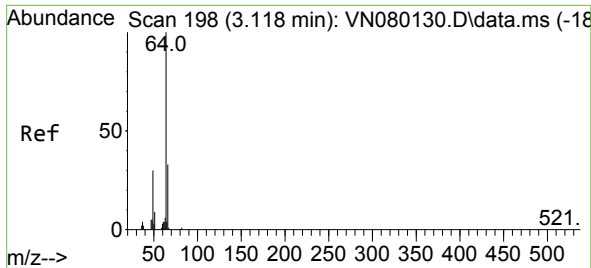
Tgt Ion:168 Resp: 144396
Ion Ratio Lower Upper
168 100
99 66.6 53.0 79.6



#3
Chloromethane
Concen: 0.534 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 50 Resp: 863
Ion Ratio Lower Upper
50 100
52 39.3 26.5 39.7

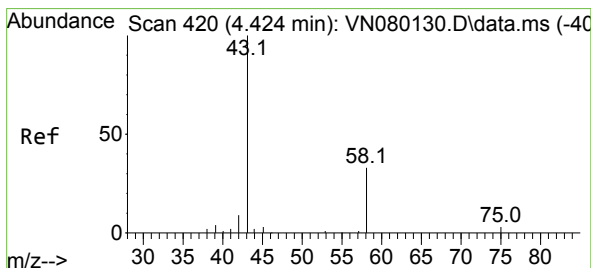
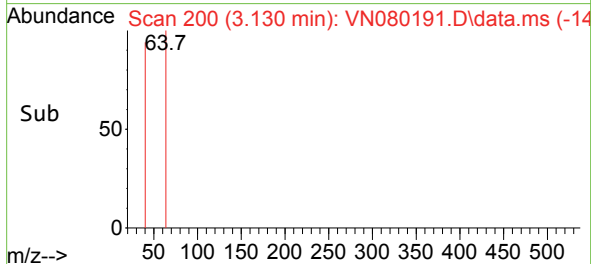
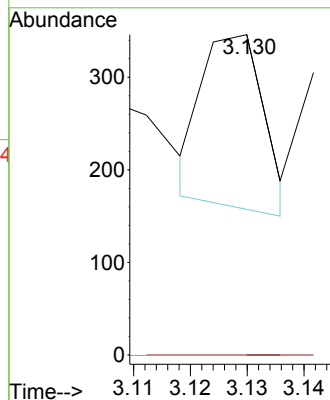
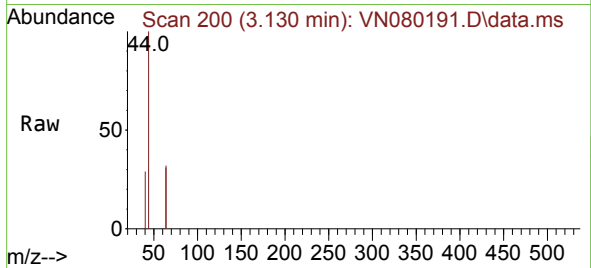




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

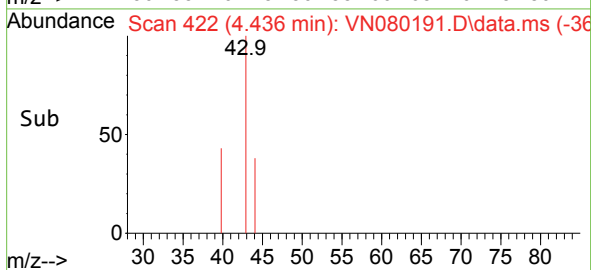
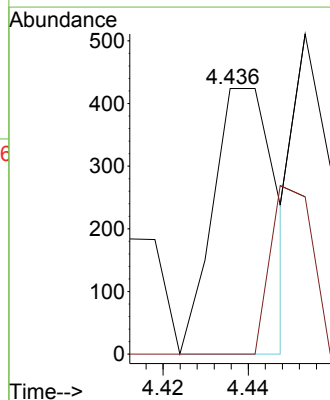
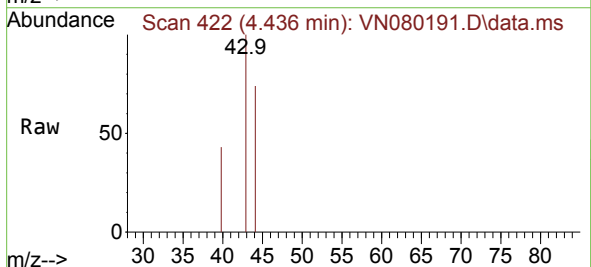
Instrument :
MSVOA_N
ClientSampleId :

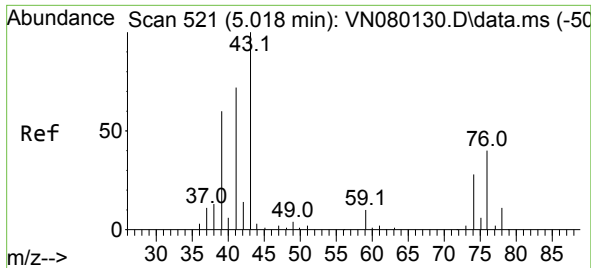
Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 0.544 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

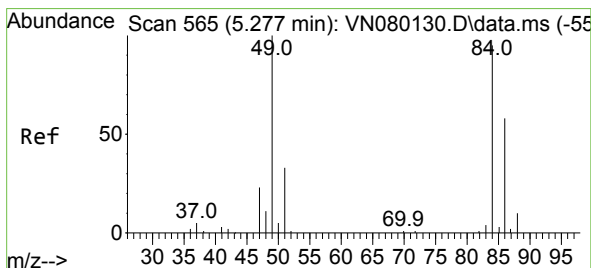
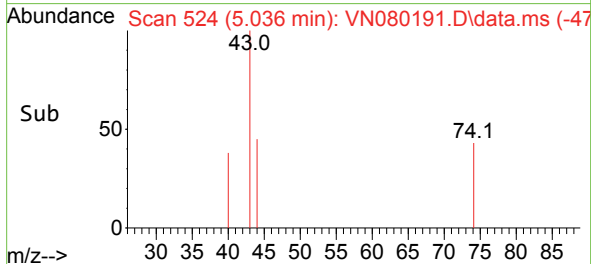
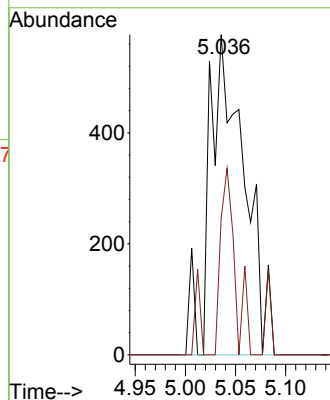
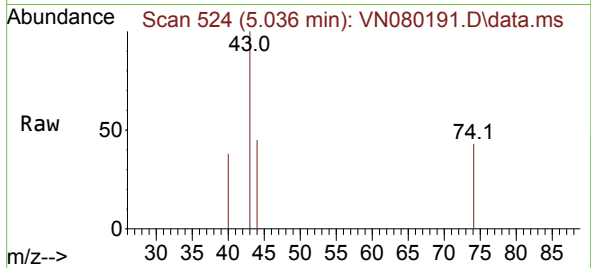




#18
Methyl Acetate
Concen: 0.541 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

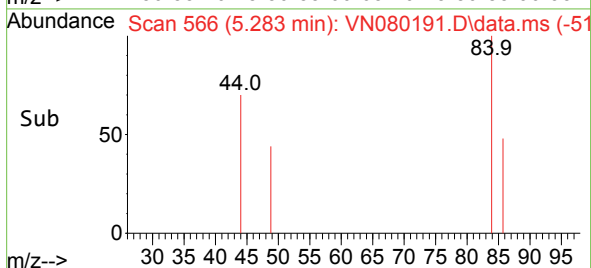
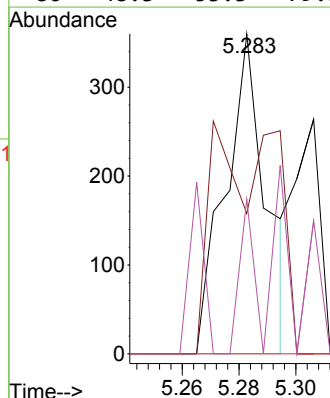
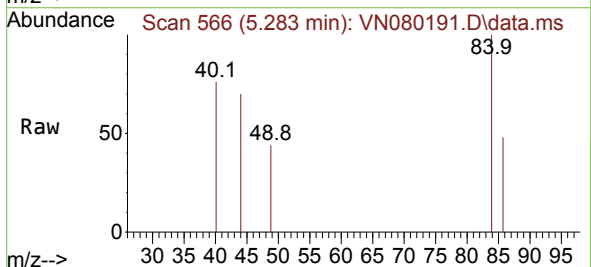
Instrument :
MSVOA_N
ClientSampleId :

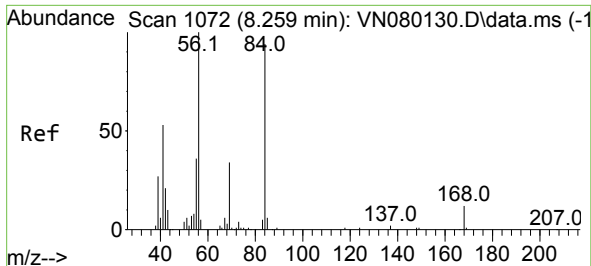
Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
74 24.3 26.2 39.4#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

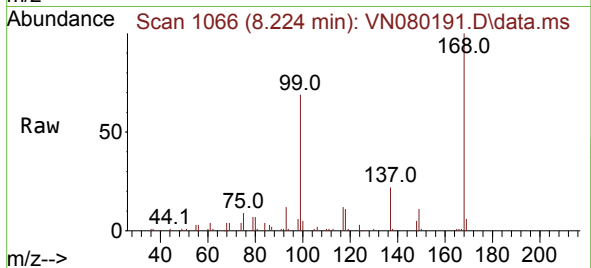
Tgt Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 43.9 79.7 119.5#
51 0.0 25.2 37.8#
86 48.3 53.3 79.9#



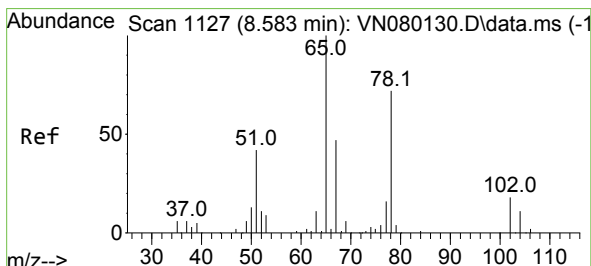
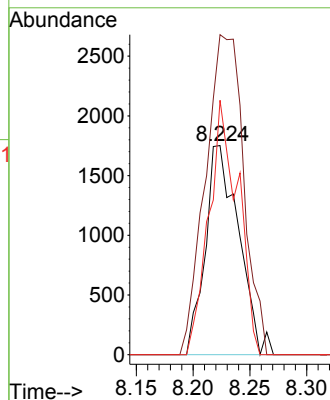
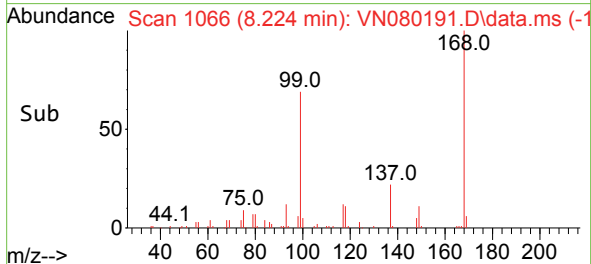


#31
Cyclohexane
Concen: 1.379 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :

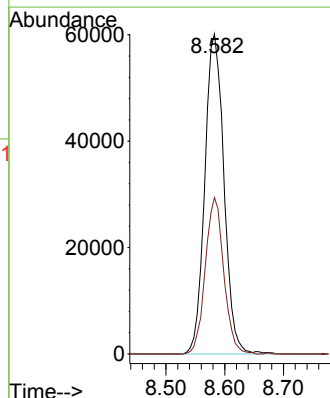
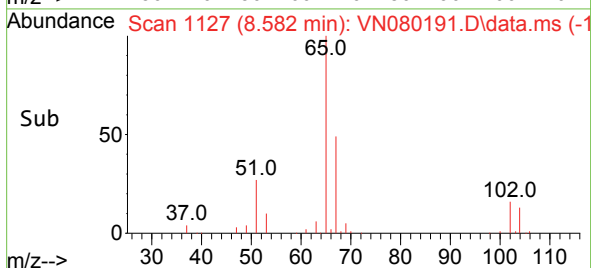
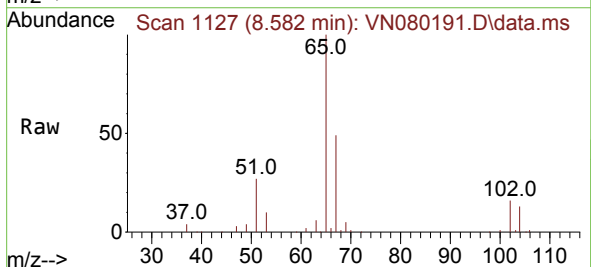


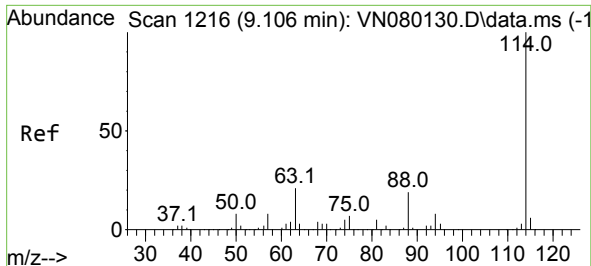
Tgt Ion: 56 Resp: 3576
Ion Ratio Lower Upper
56 100
69 153.0 26.8 40.2#
84 121.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 57.162 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 65 Resp: 136285
Ion Ratio Lower Upper
65 100
67 47.1 0.0 106.6

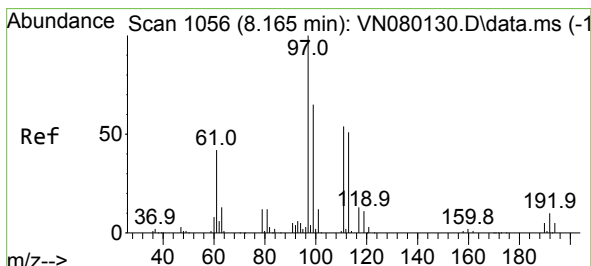
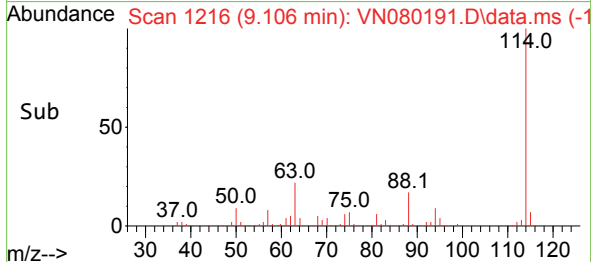
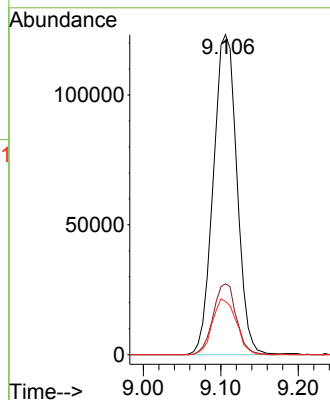
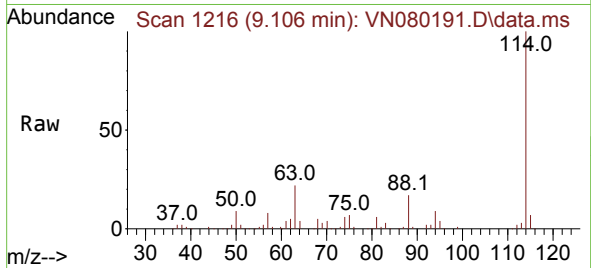




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

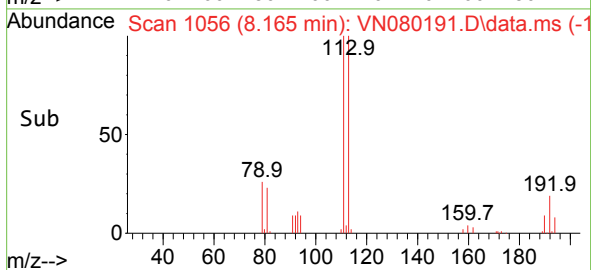
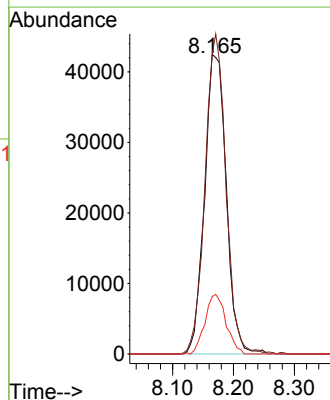
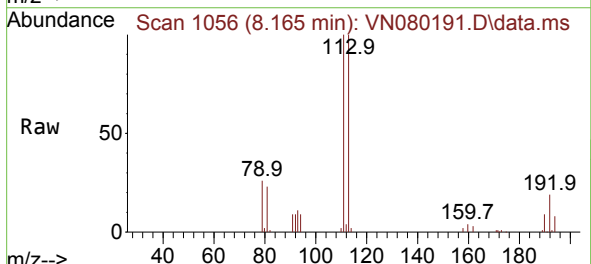
Instrument :
MSVOA_N
ClientSampleId :

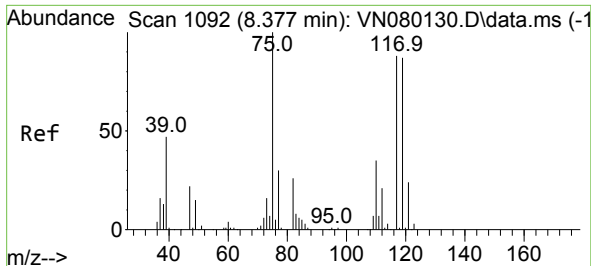
Tgt Ion:114 Resp: 260750
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.4
88 16.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.665 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion:113 Resp: 105175
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.3 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.527 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

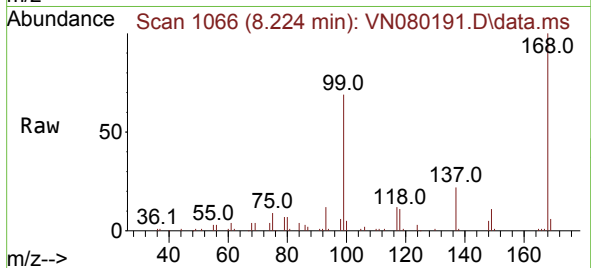
Lab File: VN080191.D

Acq: 18 Nov 2023 17:19

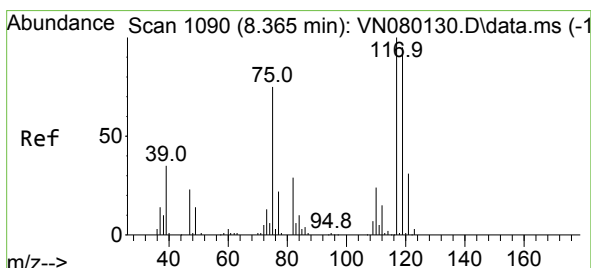
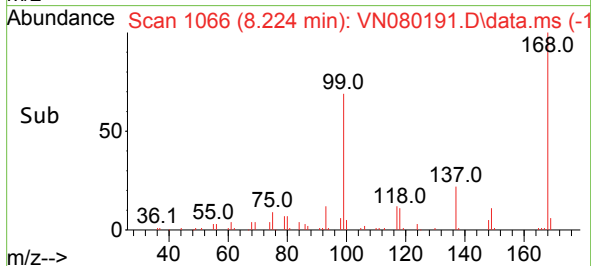
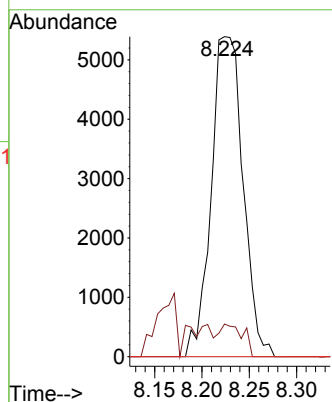
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	12609
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.762 ug/l

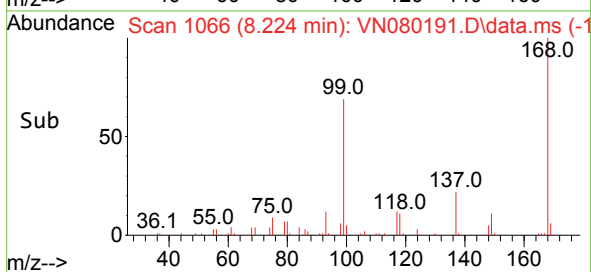
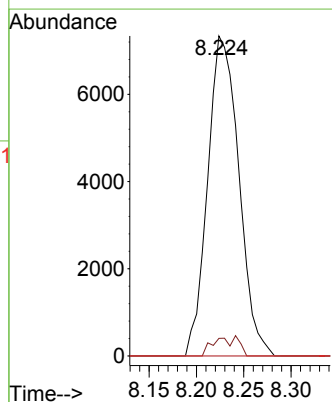
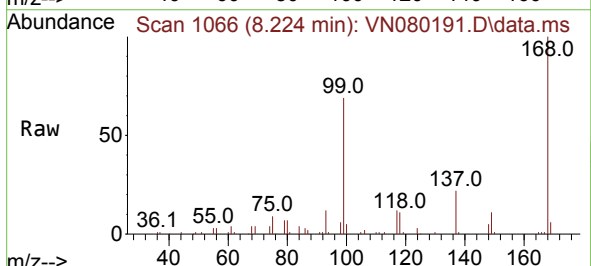
RT: 8.224 min Scan# 1066

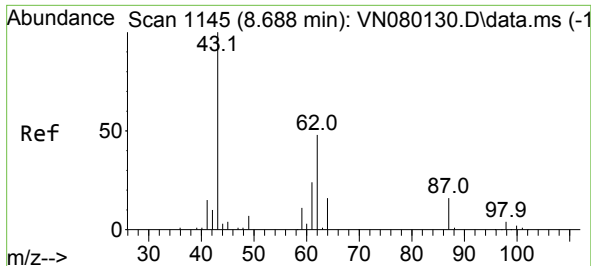
Delta R.T. -0.141 min

Lab File: VN080191.D

Acq: 18 Nov 2023 17:19

Tgt Ion:	117	Resp:	16834
Ion Ratio	100	Lower	Upper
117	100		
119	5.5	77.3	115.9#
121	0.0	23.3	34.9#

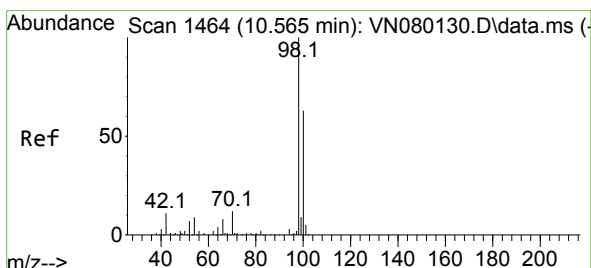
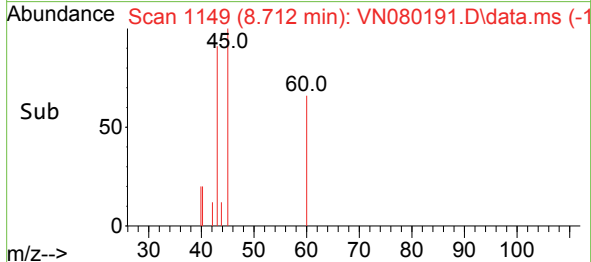
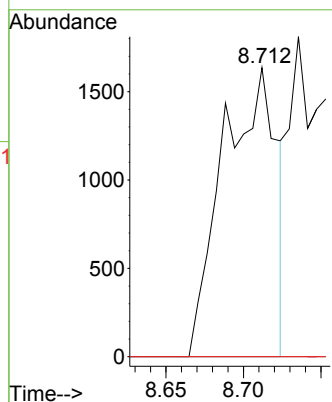
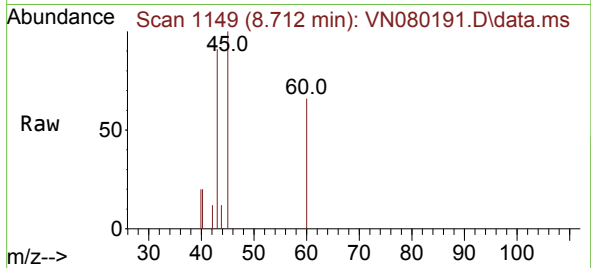




#43
Isopropyl Acetate
Concen: 1.042 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

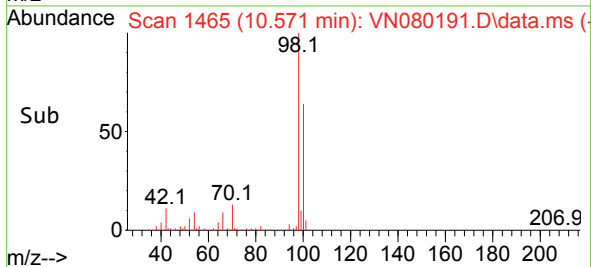
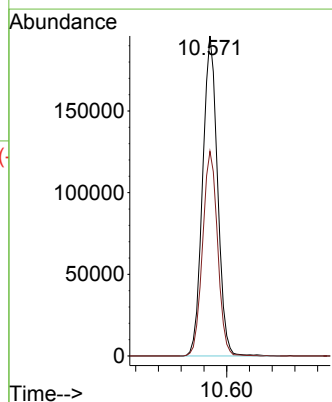
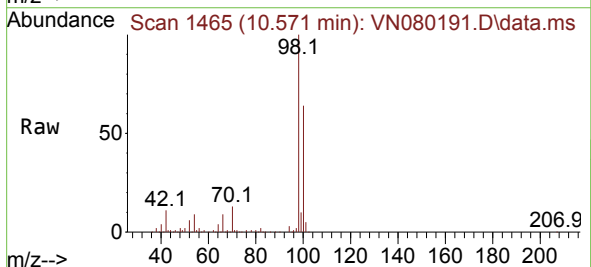
Instrument :
MSVOA_N
ClientSampleId :

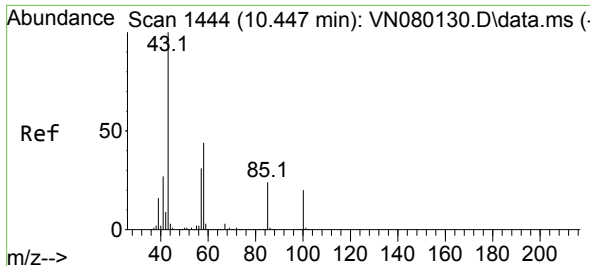
Tgt Ion: 43 Resp: 3916
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 98 Resp: 356298
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

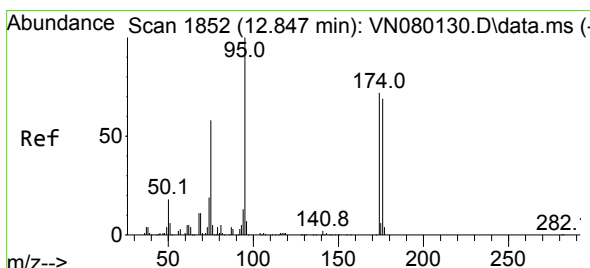
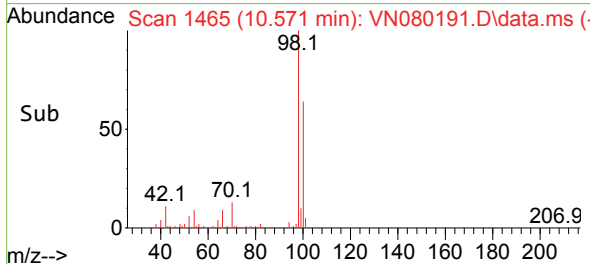
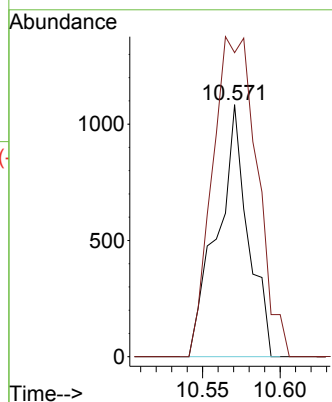
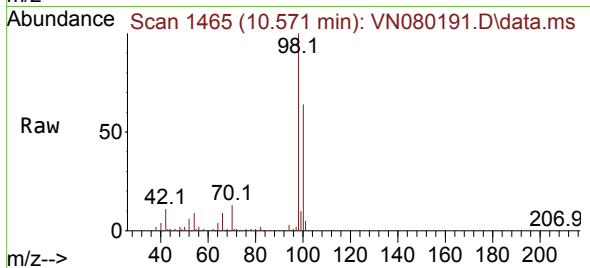




#51
4-Methyl-2-Pentanone
Concen: 0.765 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

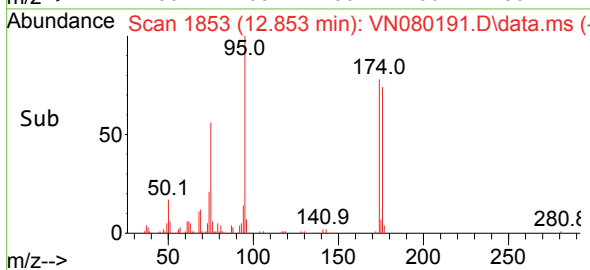
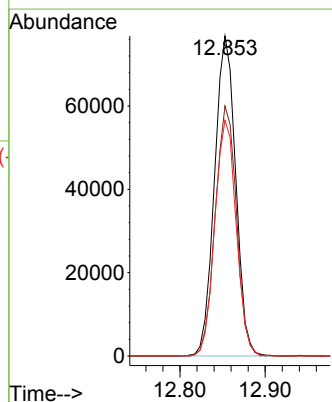
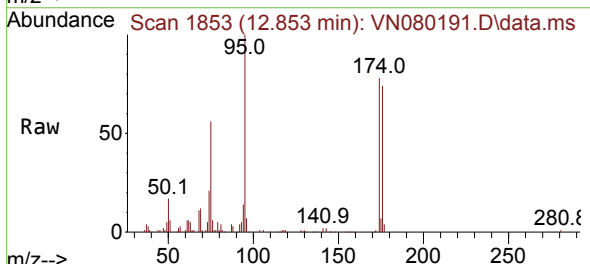
Instrument :
MSVOA_N
ClientSampleId :

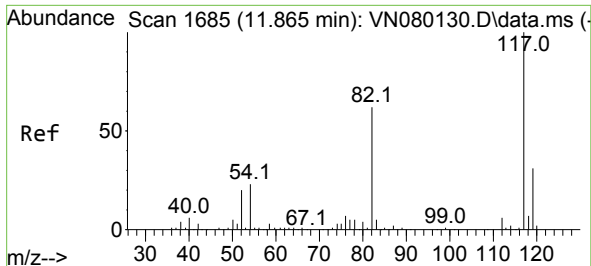
Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 185.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 50.528 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 95 Resp: 132367
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 74.3 0.0 135.8

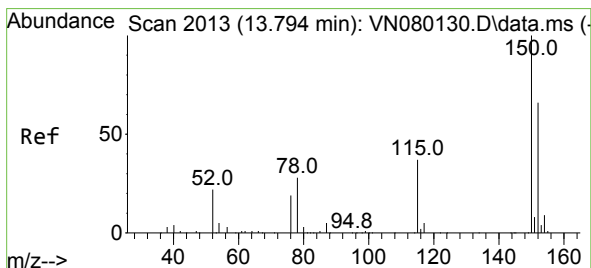
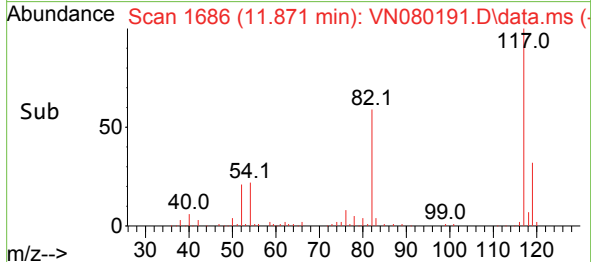
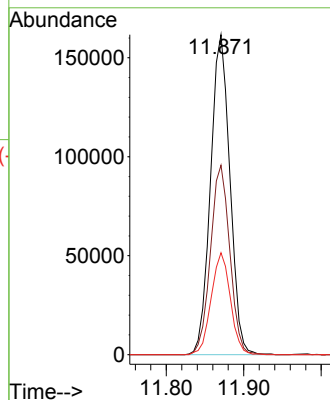
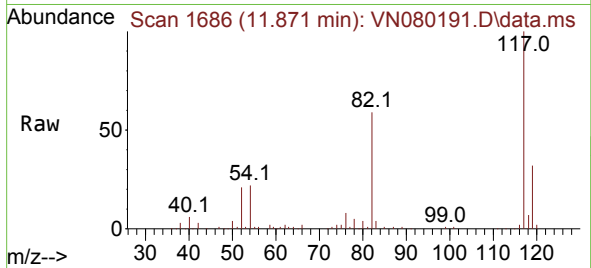




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

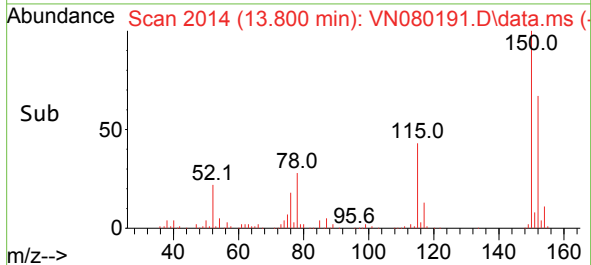
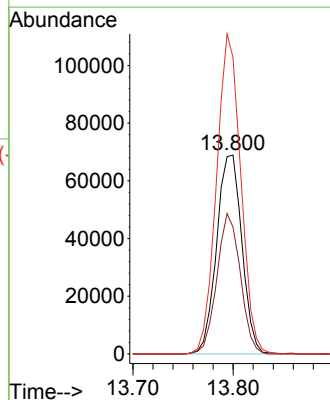
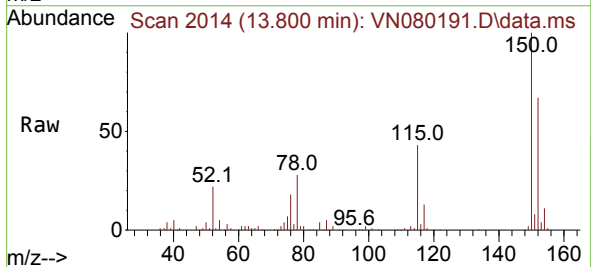
Instrument :
MSVOA_N
ClientSampleId :

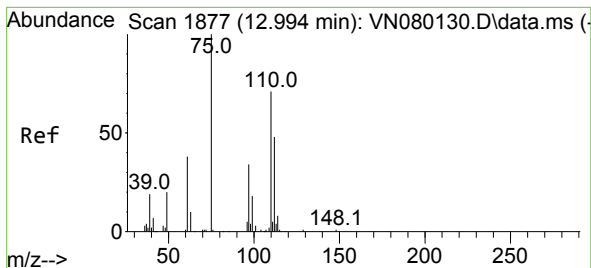
Tgt Ion:117 Resp: 280897
Ion Ratio Lower Upper
117 100
82 59.2 44.0 66.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion:152 Resp: 120508
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 154.2 0.0 355.8

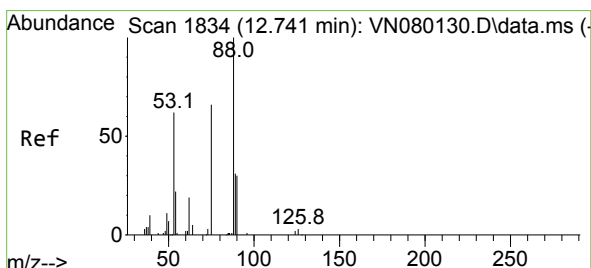
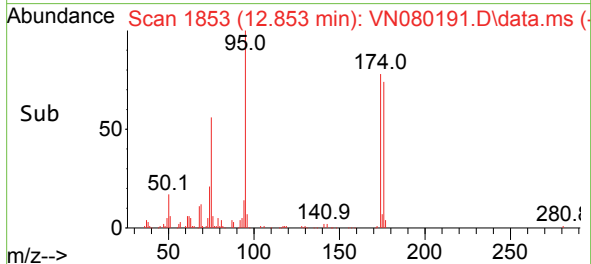
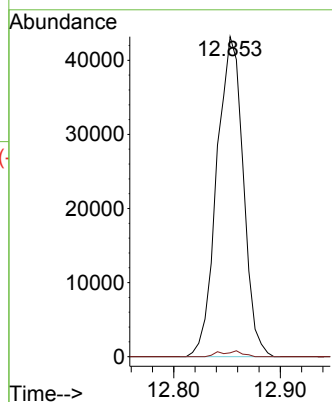
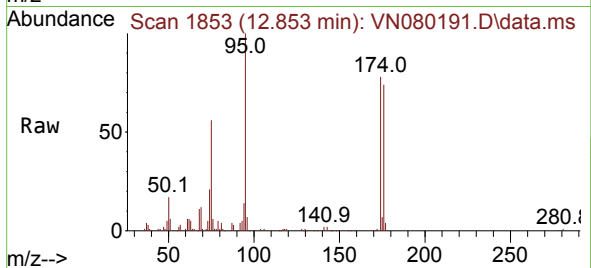




#76
1,2,3-Trichloropropane
Concen: 25.225 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74480
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.224 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080191.D
Acq: 18 Nov 2023 17:19

Tgt Ion: 75 Resp: 74480
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

