

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122923\
 Data File : VN080612.D
 Acq On : 29 Dec 2023 14:00
 Operator : JC\MD
 Sample : PB158132ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB158132ZHE#04

Quant Time: Dec 29 23:42:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

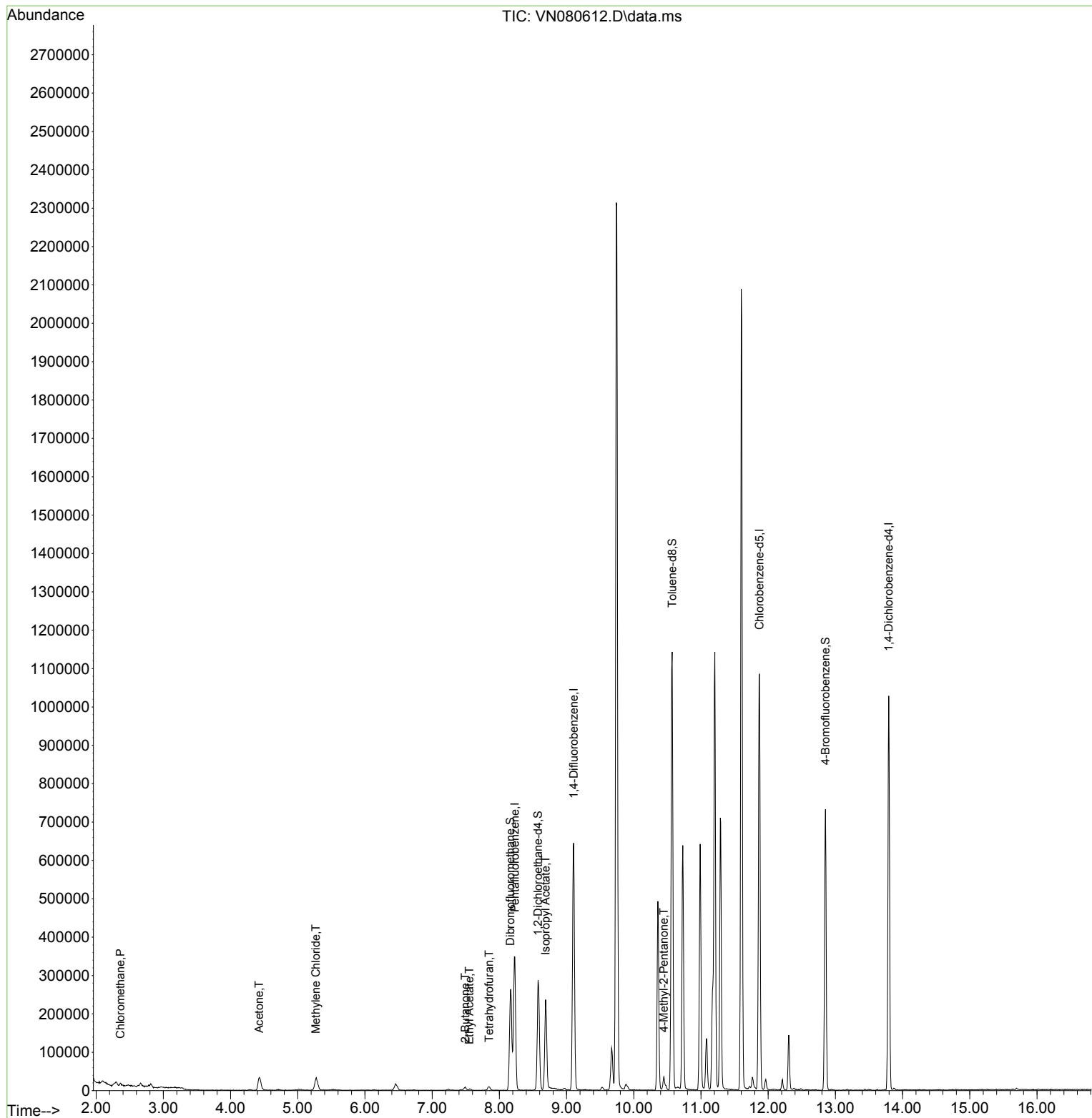
Internal Standards						
1) Pentafluorobenzene	8.230	168	257214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	568326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	648278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	284278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	232598	70.498	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 141.000%#		
35) Dibromofluoromethane	8.165	113	195232	53.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 106.220%		
50) Toluene-d8	10.571	98	798369	62.209	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 124.420%#		
62) 4-Bromofluorobenzene	12.853	95	266327	61.662	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 123.320%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	9114	1.912	ug/l	100
16) Acetone	4.424	43	66279	73.900	ug/l	97
20) Methylene Chloride	5.271	84	26542	9.275	ug/l	94
25) 2-Butanone	7.494	43	12679	7.564	ug/l #	78
29) Tetrahydrofuran	7.847	42	7330	6.705	ug/l #	83
37) Ethyl Acetate	7.553	43	5572	1.305	ug/l #	80
43) Isopropyl Acetate	8.688	43	261637	37.816	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	29214	7.424	ug/l #	77

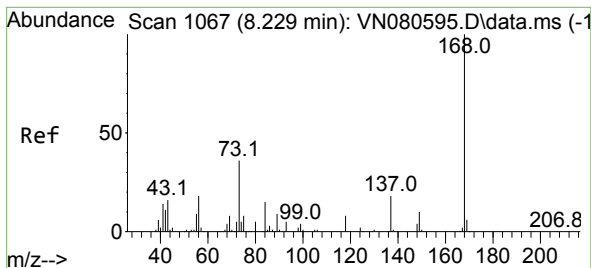
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 28 03:07:01 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

Lab File: VN080612.D

Acq: 29 Dec 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

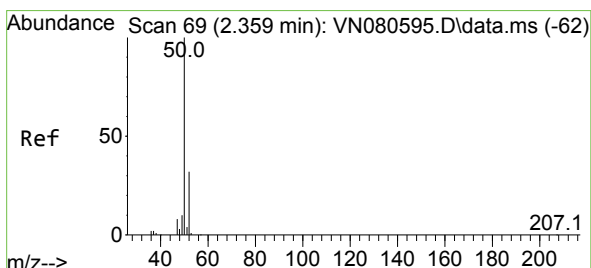
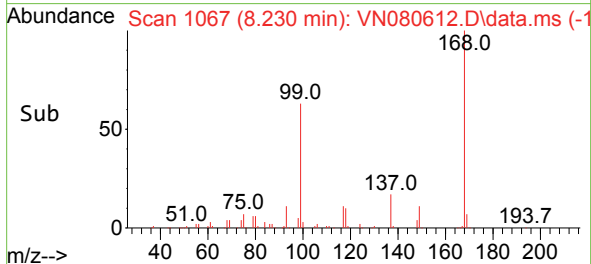
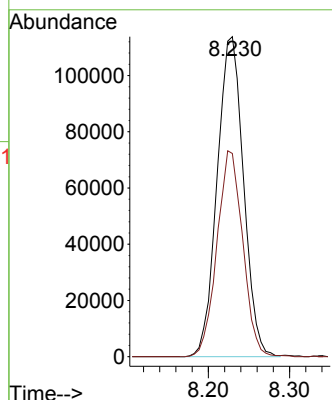
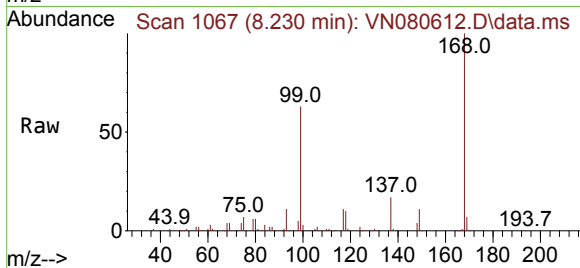
PB158132ZHE#04

Tgt Ion:168 Resp: 257214

Ion Ratio Lower Upper

168 100

99 63.5 53.0 79.6



#3

Chloromethane

Concen: 1.912 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080612.D

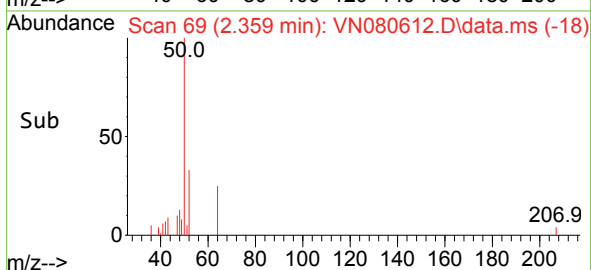
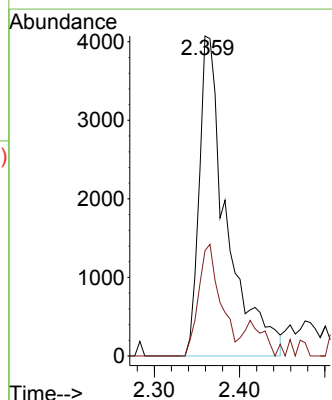
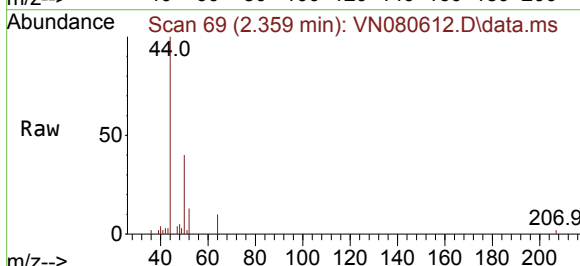
Acq: 29 Dec 2023 14:00

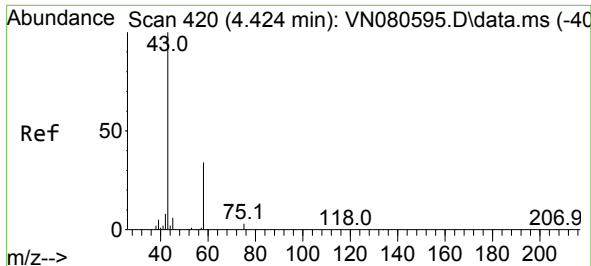
Tgt Ion: 50 Resp: 9114

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7

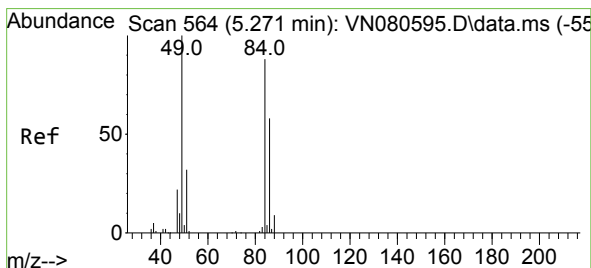
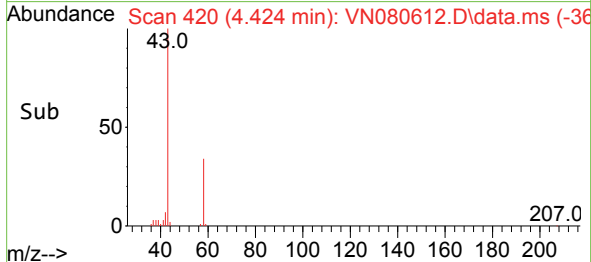
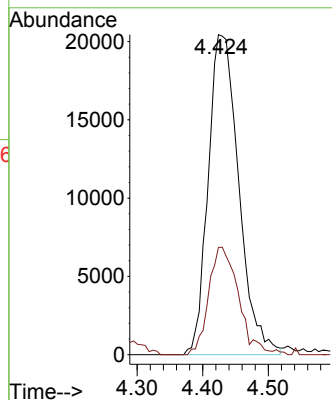
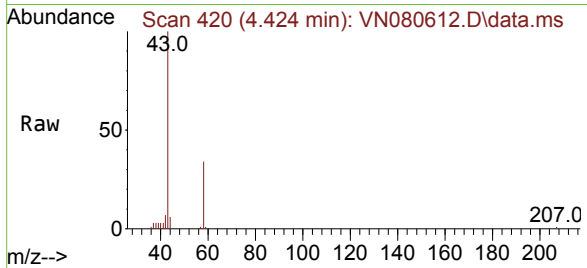




#16
Acetone
Concen: 73.900 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

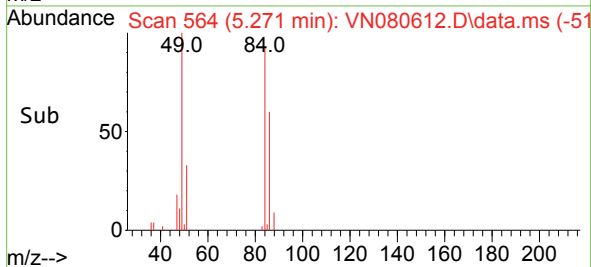
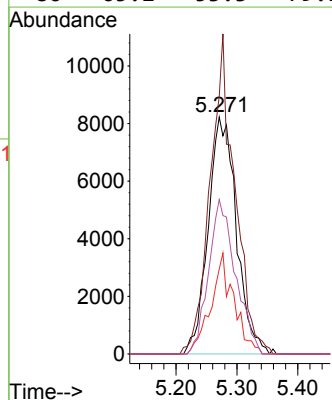
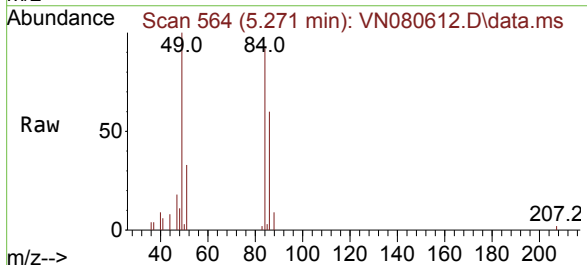
Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#04

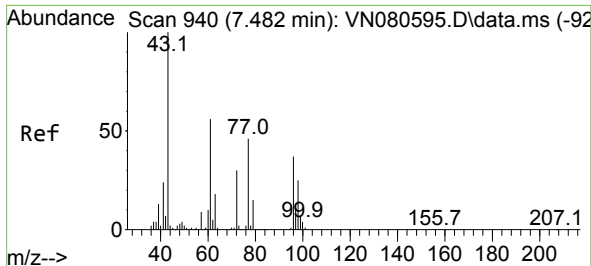
Tgt Ion: 43 Resp: 66279
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0



#20
Methylene Chloride
Concen: 9.275 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Tgt Ion: 84 Resp: 26542
Ion Ratio Lower Upper
84 100
49 108.7 79.7 119.5
51 35.9 25.2 37.8
86 65.2 53.3 79.9

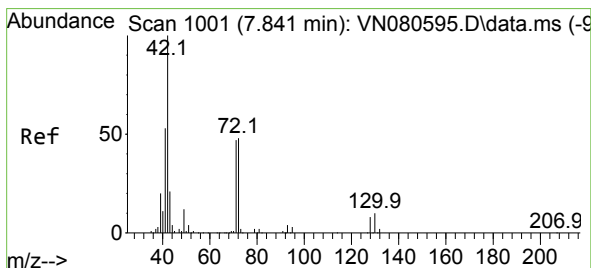
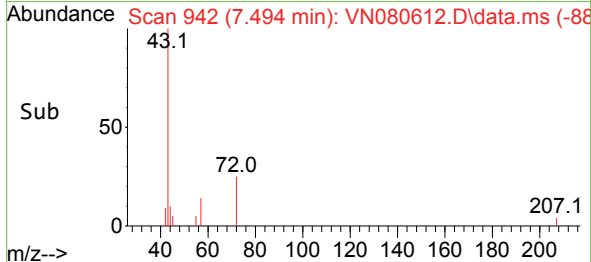
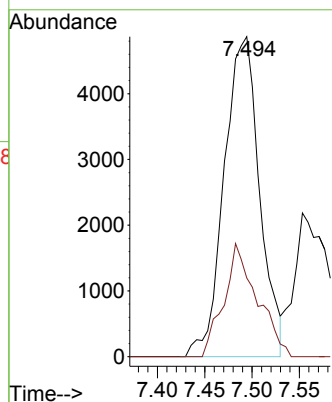
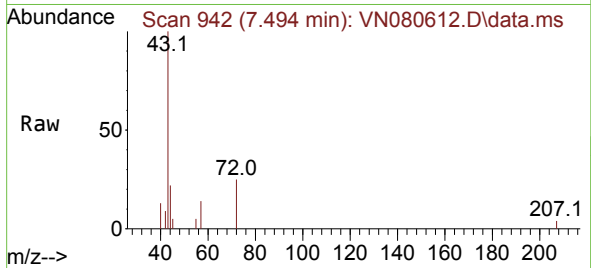




#25
2-Butanone
Concen: 7.564 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

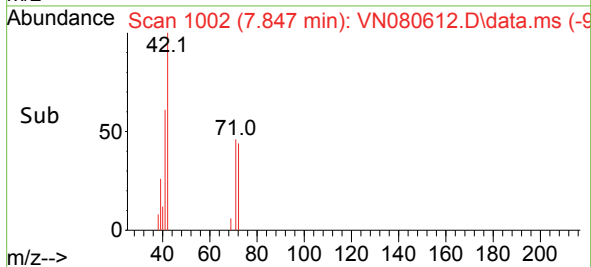
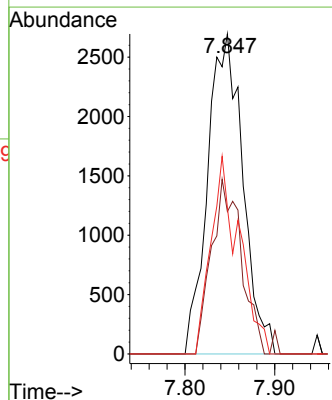
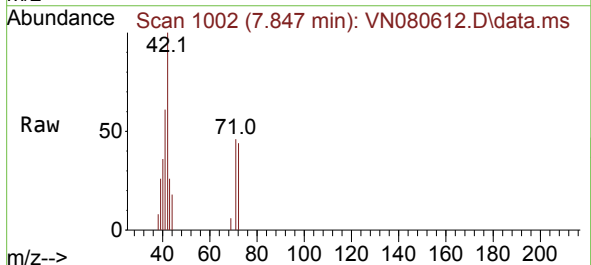
Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#04

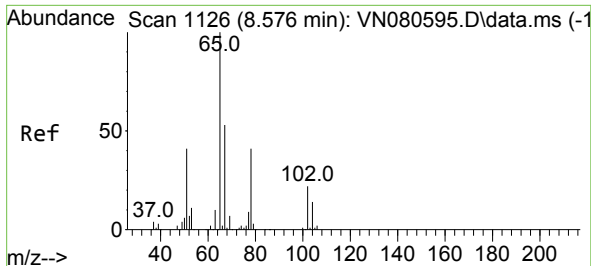
Tgt Ion: 43 Resp: 12679
Ion Ratio Lower Upper
43 100
72 24.6 30.2 45.2#



#29
Tetrahydrofuran
Concen: 6.705 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Tgt Ion: 42 Resp: 7330
Ion Ratio Lower Upper
42 100
72 46.4 49.8 74.6#
71 50.0 47.4 71.2





#33

1,2-Dichloroethane-d4

Concen: 70.498 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080612.D

Acq: 29 Dec 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

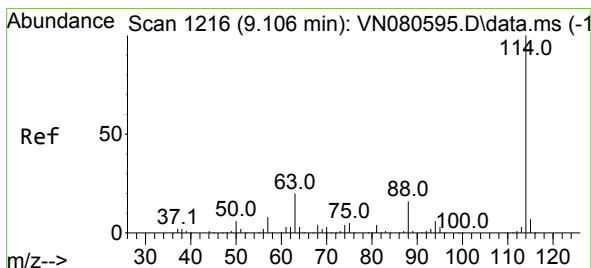
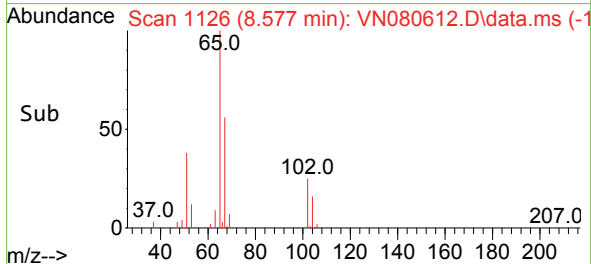
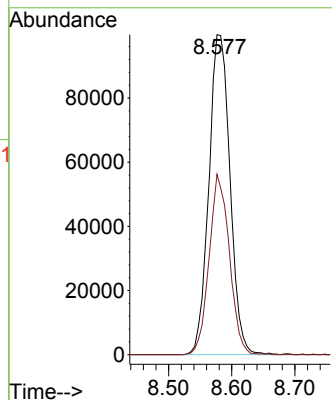
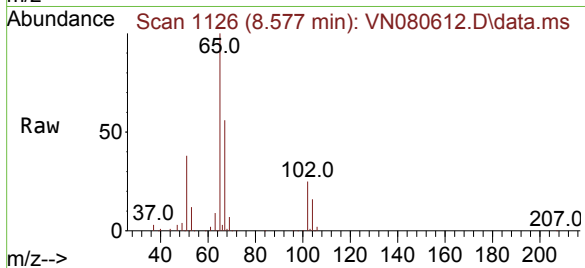
PB158132ZHE#04

Tgt Ion: 65 Resp: 232598

Ion Ratio Lower Upper

65 100

67 53.9 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: VN080612.D

Acq: 29 Dec 2023 14:00

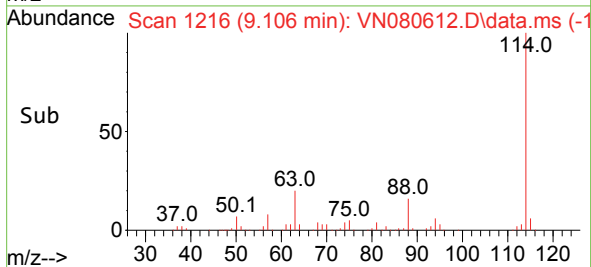
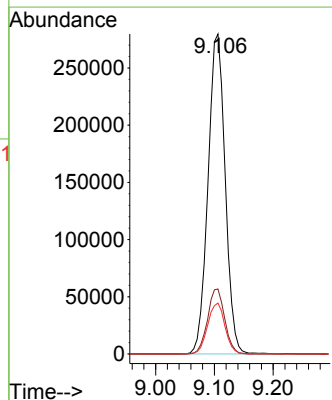
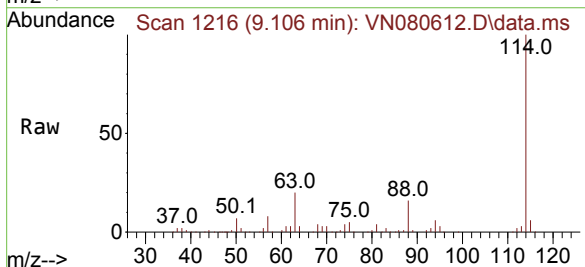
Tgt Ion: 114 Resp: 568326

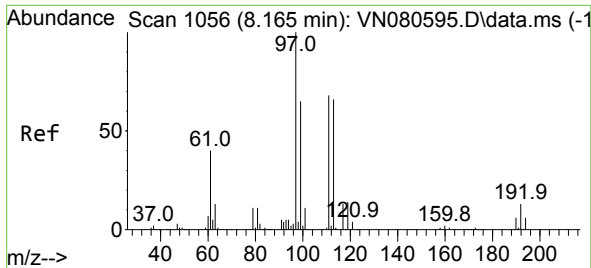
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.9 0.0 30.6

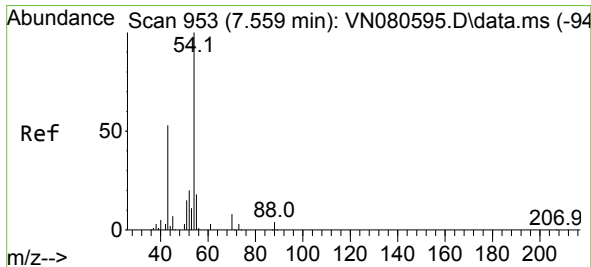
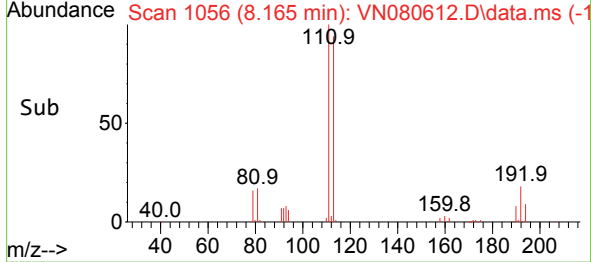
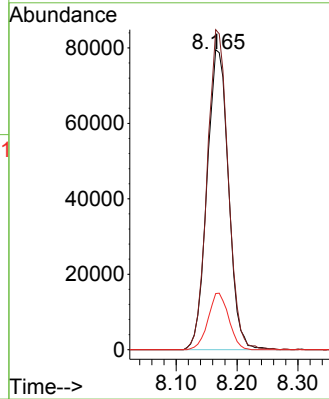
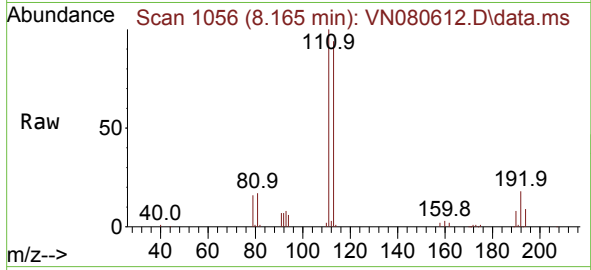




#35
Dibromofluoromethane
Concen: 53.115 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

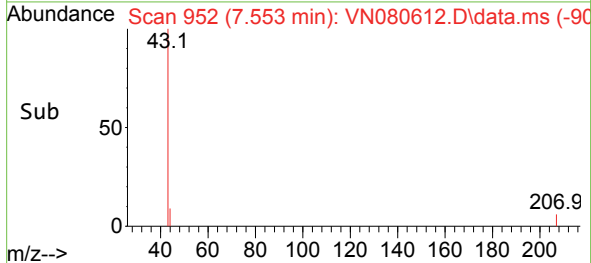
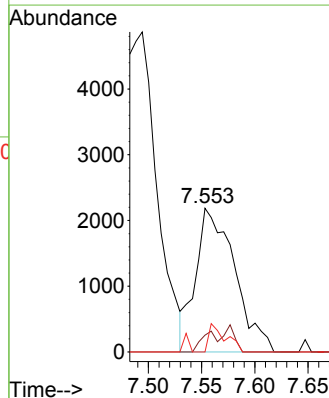
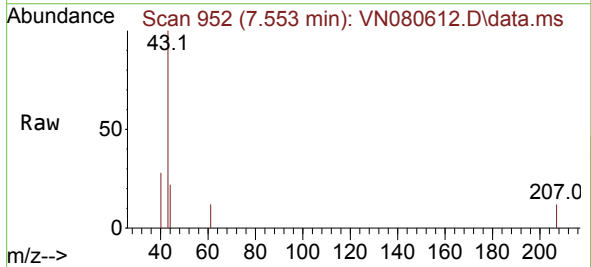
Instrument :
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ClientSampleId :
PB158132ZHE#04

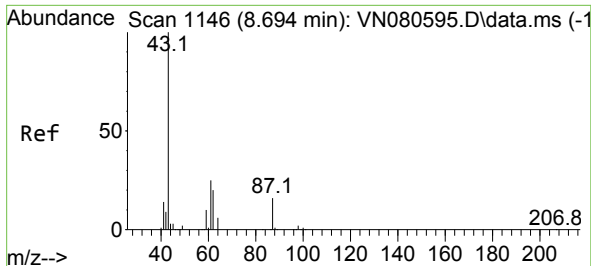
Tgt Ion:113 Resp: 195232
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 18.1 12.7 19.1



#37
Ethyl Acetate
Concen: 1.305 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

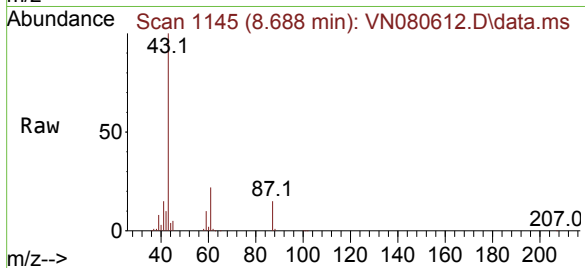
Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
61 5.6 13.2 19.8#
70 8.4 11.3 16.9#



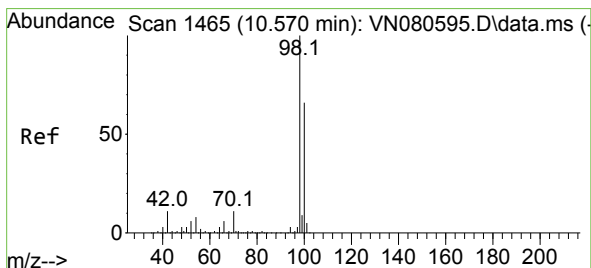
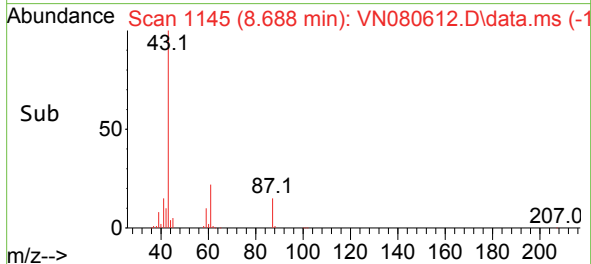
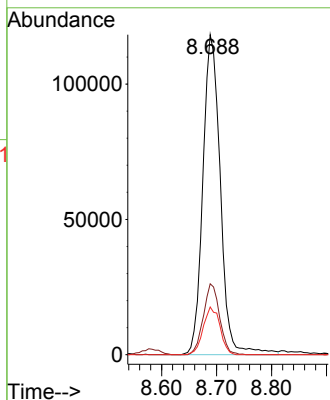


#43
Isopropyl Acetate
Concen: 37.816 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
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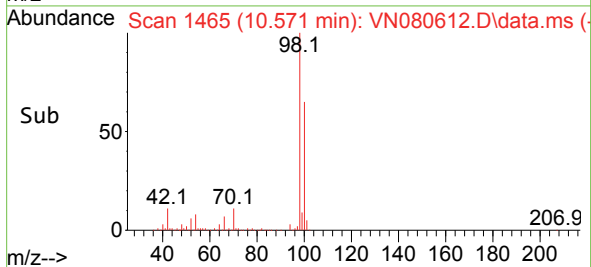
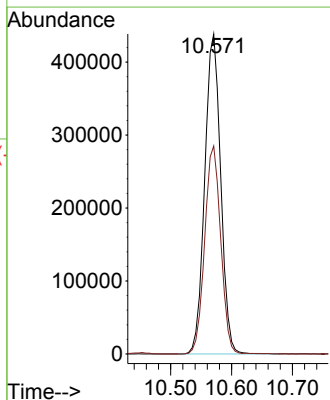
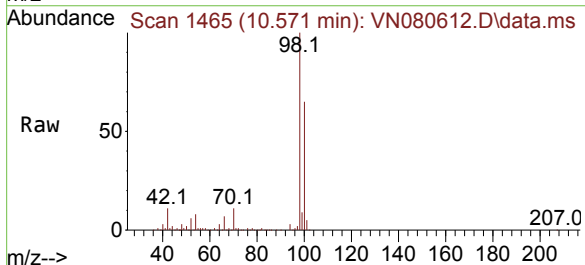


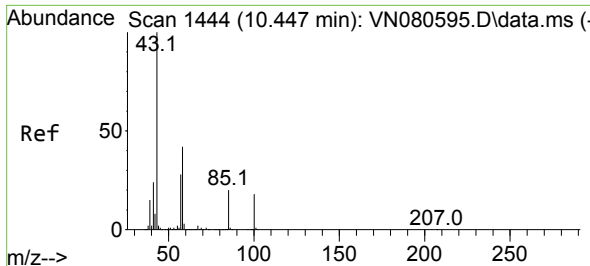
Tgt Ion: 43 Resp: 261637
Ion Ratio Lower Upper
43 100
61 20.6 24.7 37.1#
87 14.3 14.6 21.8#



#50
Toluene-d8
Concen: 62.209 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Tgt Ion: 98 Resp: 798369
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

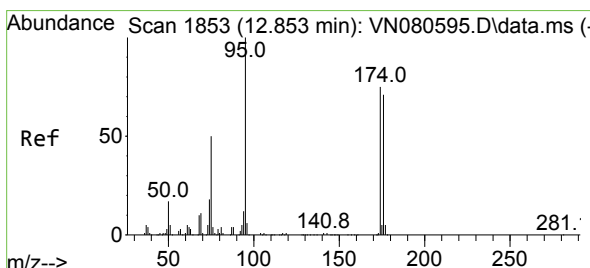
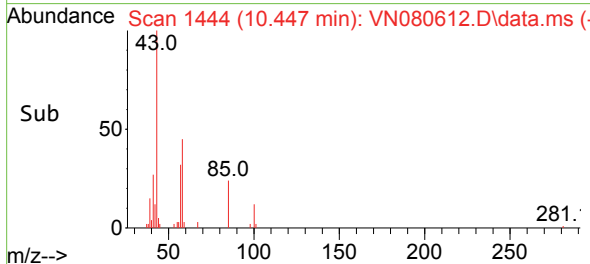
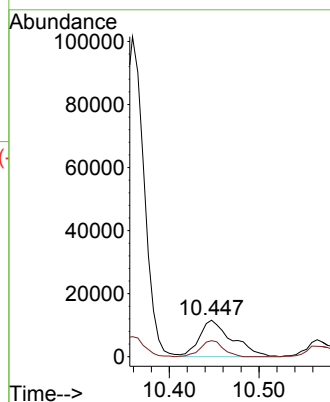
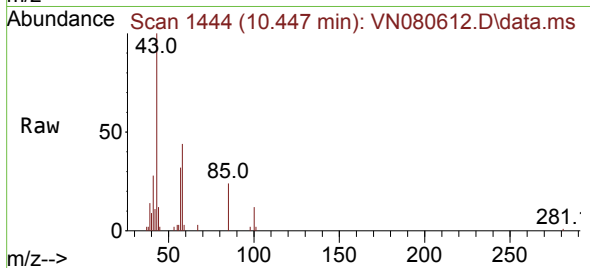




#51
4-Methyl-2-Pentanone
Concen: 7.424 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

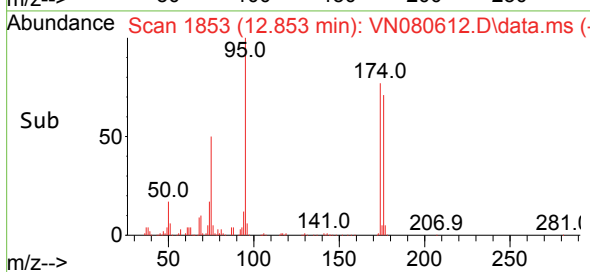
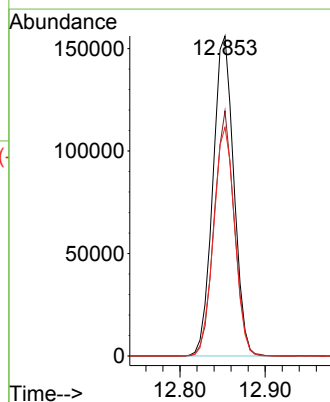
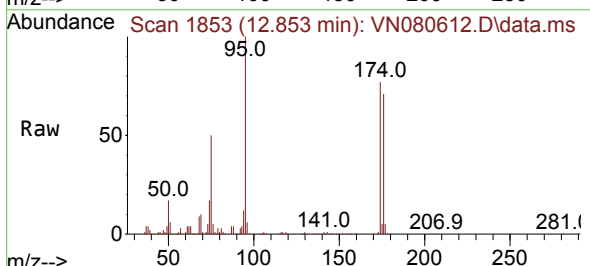
Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#04

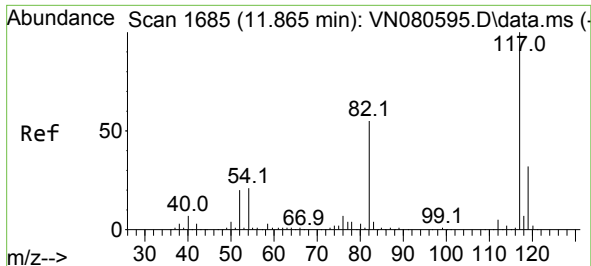
Tgt Ion: 43 Resp: 29214
Ion Ratio Lower Upper
43 100
58 30.8 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 61.662 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Tgt Ion: 95 Resp: 266327
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 72.2 0.0 135.8

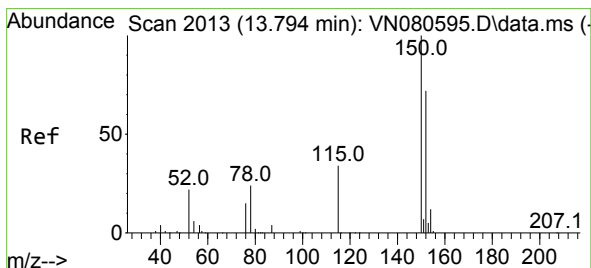
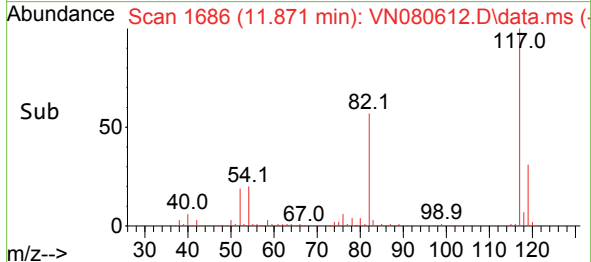
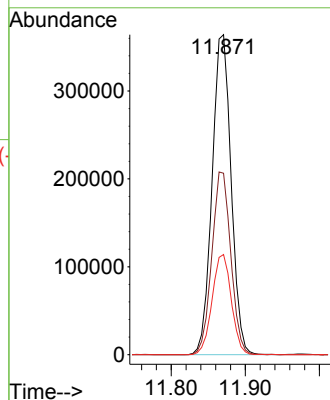
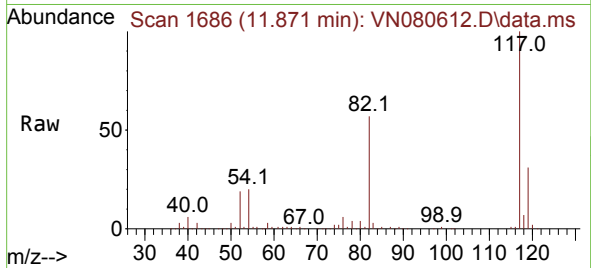




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :
PB158132ZHE#04

Tgt Ion:117 Resp: 648278
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 31.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080612.D
Acq: 29 Dec 2023 14:00

Tgt Ion:152 Resp: 284278
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 156.4 0.0 355.8

