

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041222\
 Data File : VN071960.D
 Acq On : 12 Apr 2022 17:50
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 13 04:46:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

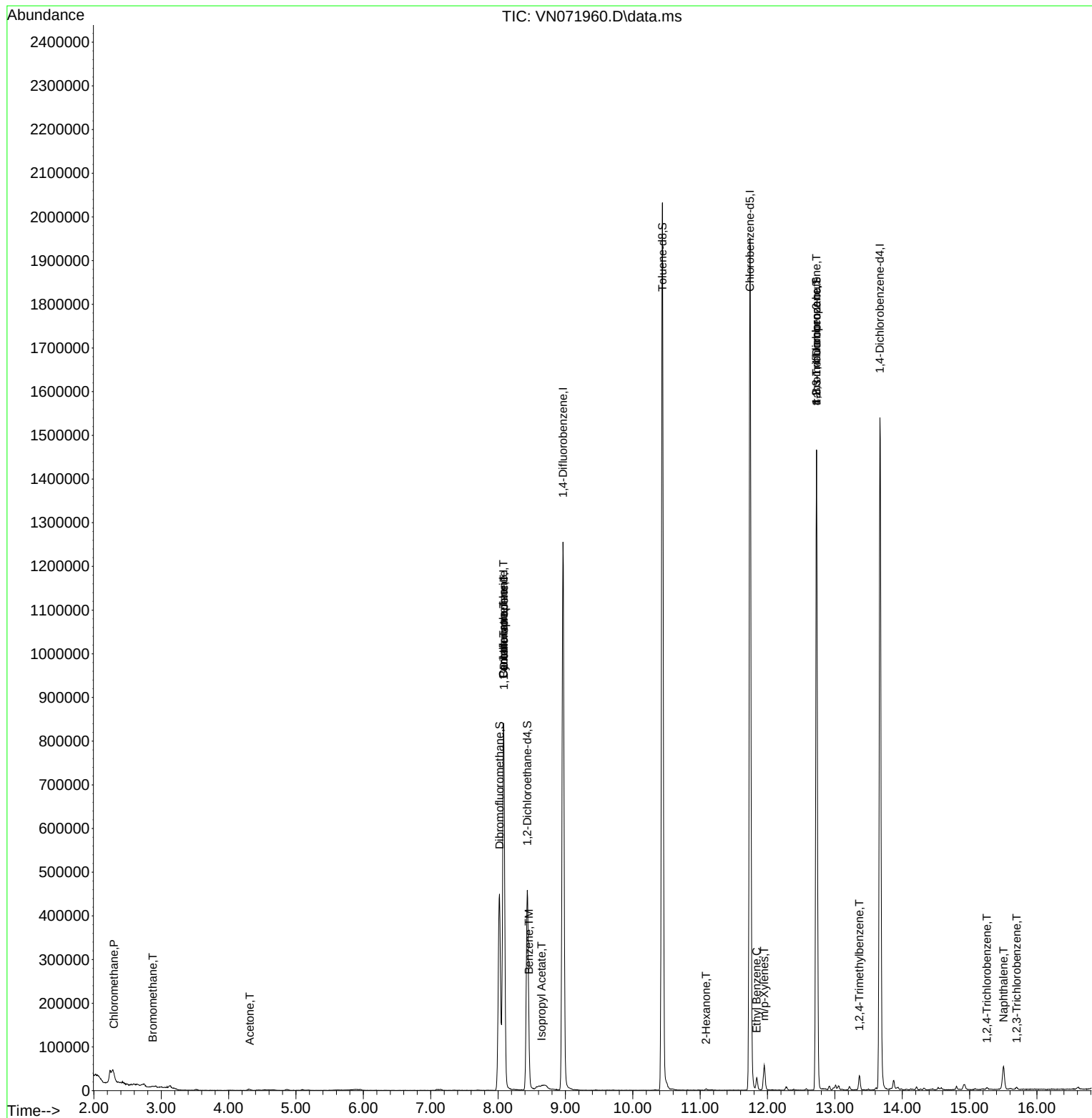
Internal Standards						
1) Pentafluorobenzene	8.081	168	704323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1189431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1234098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	473952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	383244	47.663	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.320%
35) Dibromofluoromethane	8.022	113	342221	48.895	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.780%
50) Toluene-d8	10.439	98	1481521	51.744	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.727	95	525405	56.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3388	0.477	ug/l #	68
5) Bromomethane	2.875	94	2371	0.468	ug/l	96
16) Acetone	4.316	43	2574	0.749	ug/l #	73
18) Methyl Acetate	4.875	43	3508	Below Cal	#	48
31) Cyclohexane	8.081	56	11169	1.021	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	46083	4.715	ug/l #	48
38) Carbon Tetrachloride	8.081	117	61443	6.414	ug/l #	17
40) Benzene	8.457	78	8746	0.283	ug/l	97
43) Isopropyl Acetate	8.645	43	16339	0.918	ug/l #	53
59) 2-Hexanone	11.086	43	2749	0.382	ug/l	85
67) Ethyl Benzene	11.839	91	21175	0.506	ug/l	97
68) m/p-Xylenes	11.951	106	20216	1.258	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	248792	22.660	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	248792	70.222	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	21017	0.681	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	2049	2.346	ug/l	90
95) Naphthalene	15.504	128	61728	6.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	2635	2.757	ug/l	88

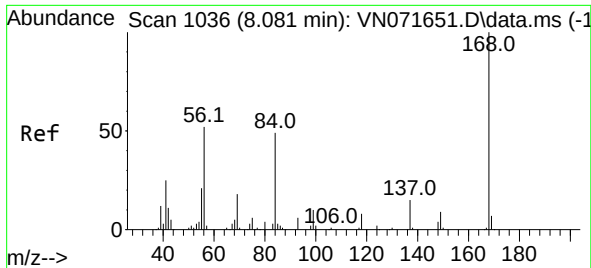
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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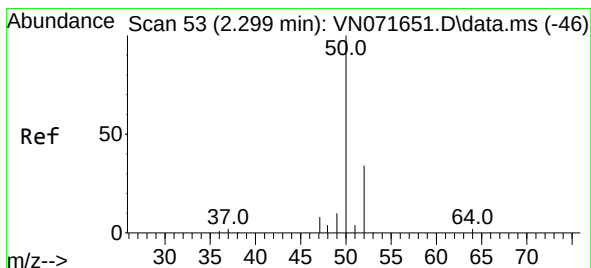
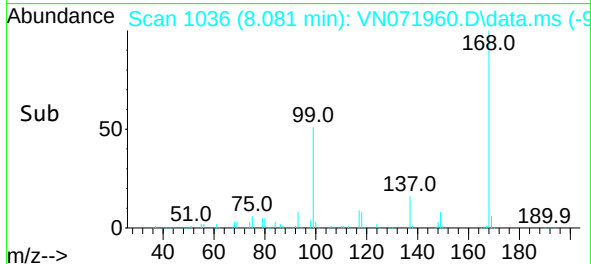
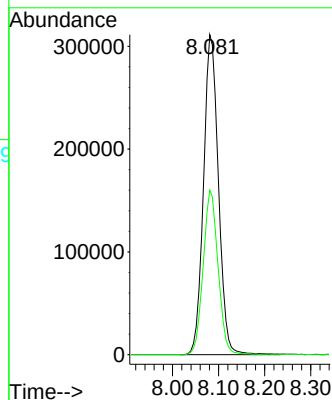
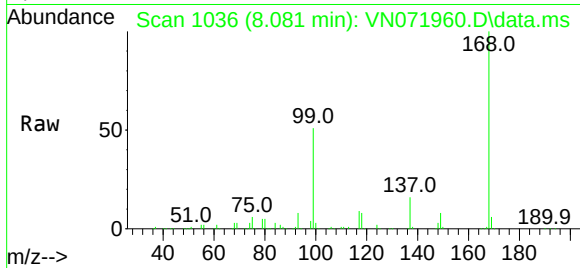




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

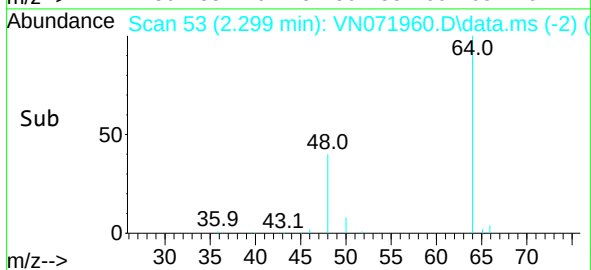
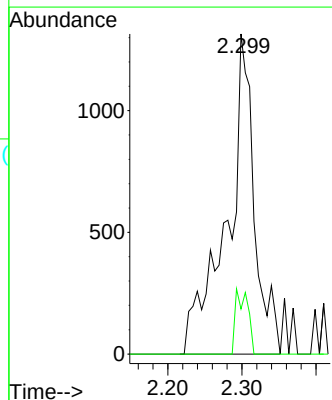
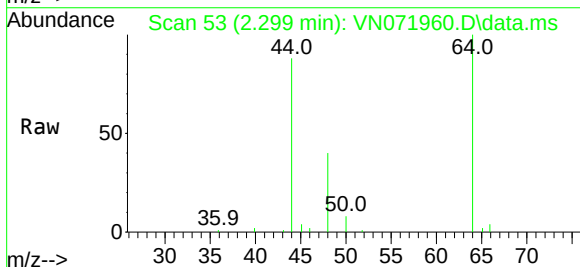
Instrument :
MSVOA_N
ClientSampleId :
IBLK

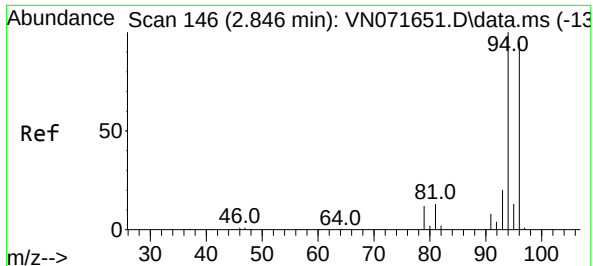
Tgt Ion:168 Resp: 704323
Ion Ratio Lower Upper
168 100
99 51.4 42.3 63.5



#3
Chloromethane
Concen: 0.477 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 50 Resp: 3388
Ion Ratio Lower Upper
50 100
52 14.1 25.7 38.5

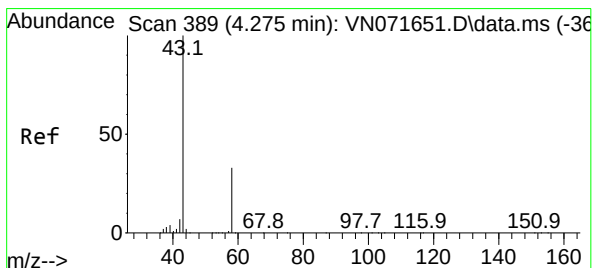
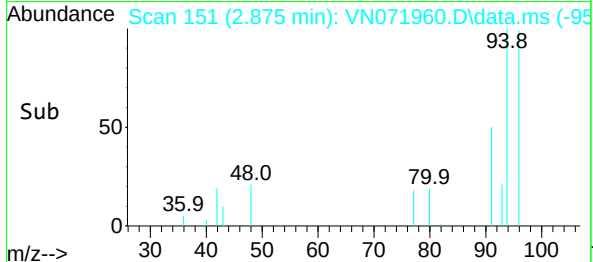
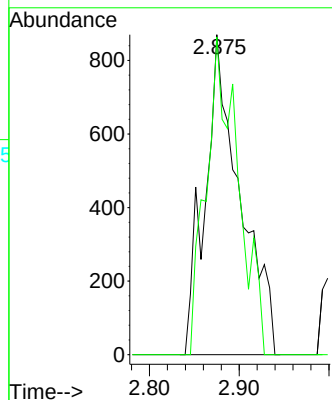
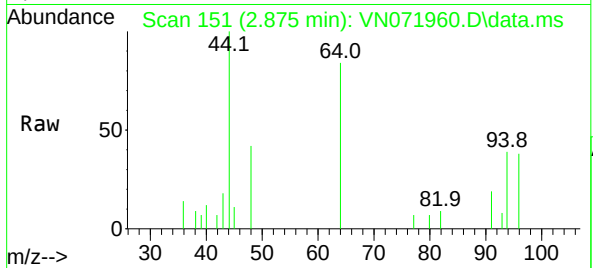




#5
Bromomethane
Concen: 0.468 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

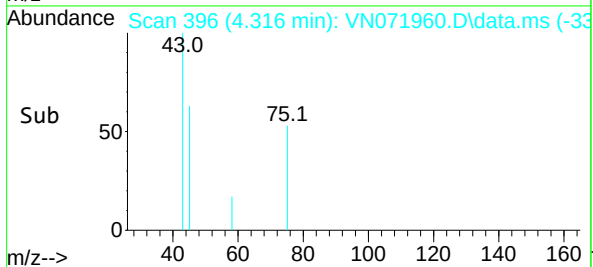
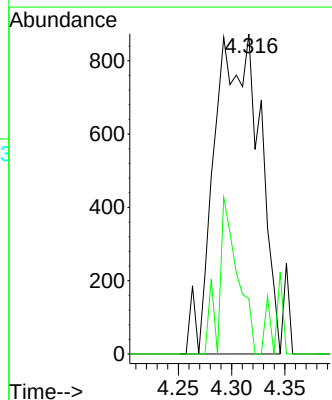
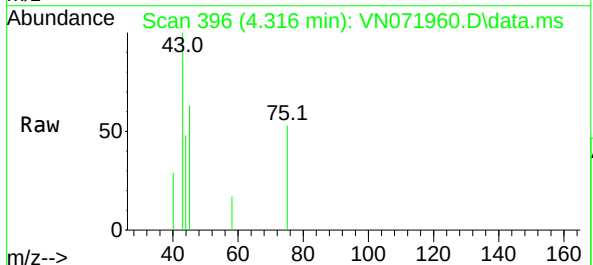
Instrument :
MSVOA_N
ClientSampleId :
IBLK

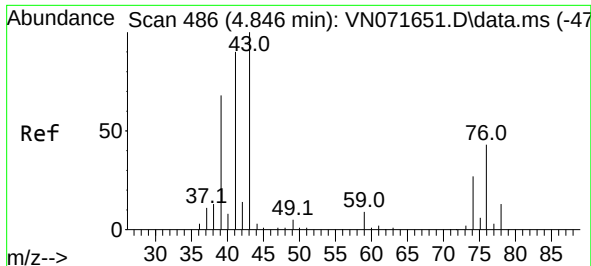
Tgt Ion: 94 Resp: 2371
Ion Ratio Lower Upper
94 100
96 99.3 76.0 114.0



#16
Acetone
Concen: 0.749 ug/l
RT: 4.316 min Scan# 396
Delta R.T. 0.041 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 17.3 26.0 39.0#

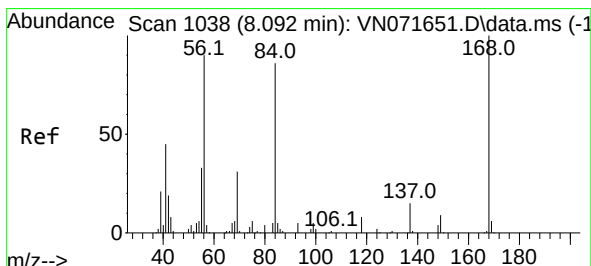
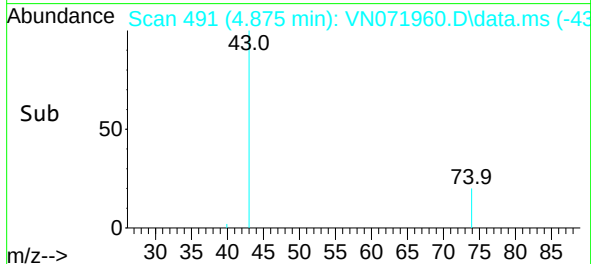
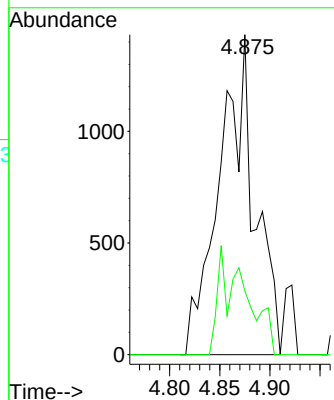
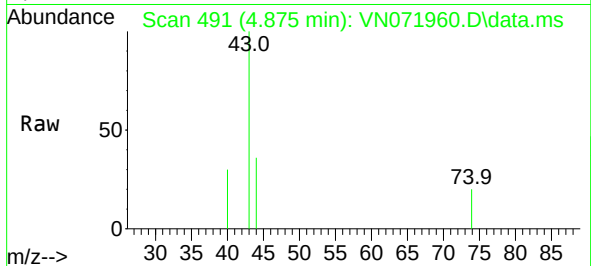




#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 491
Delta R.T. 0.029 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

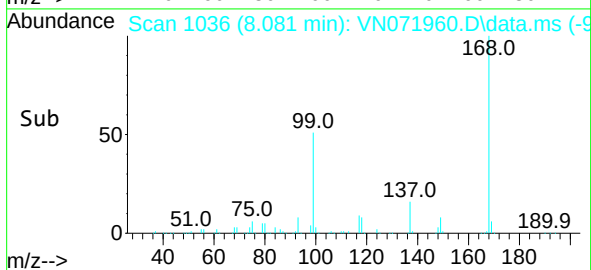
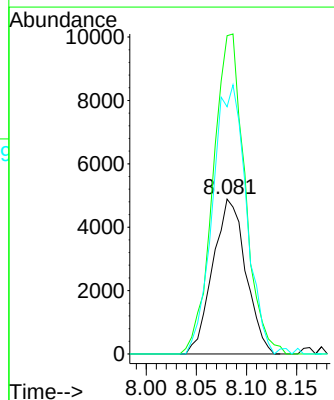
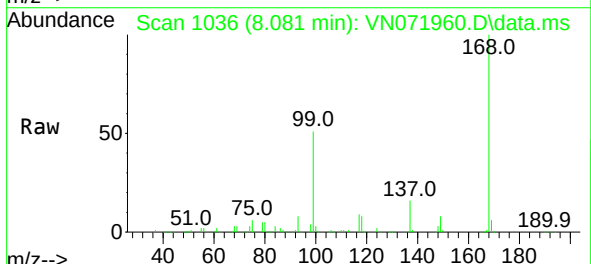
Instrument :
MSVOA_N
ClientSampleId :
IBLK

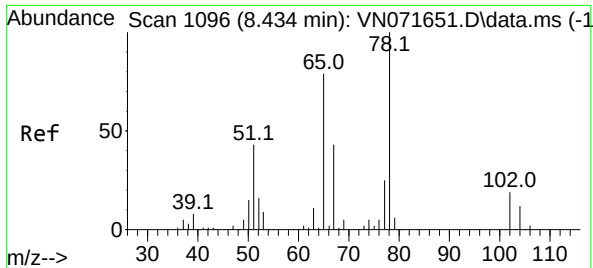
Tgt Ion: 43 Resp: 3508
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#31
Cyclohexane
Concen: 1.021 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 56 Resp: 11169
Ion Ratio Lower Upper
56 100
69 205.5 27.8 41.8#
84 159.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.663 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

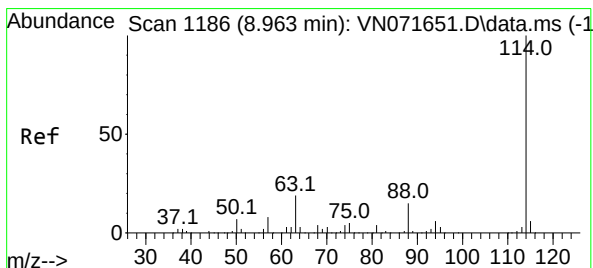
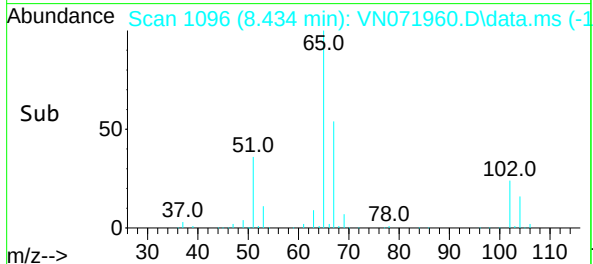
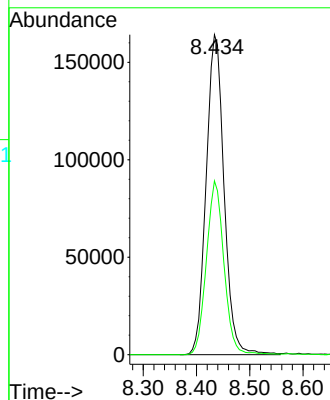
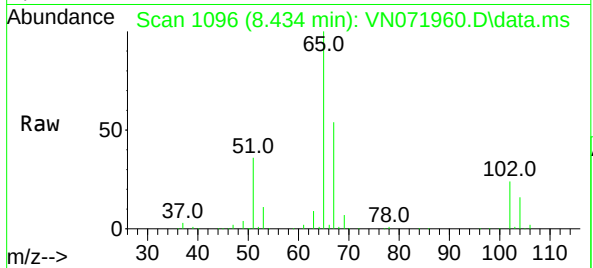
IBLK

Tgt Ion: 65 Resp: 383244

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

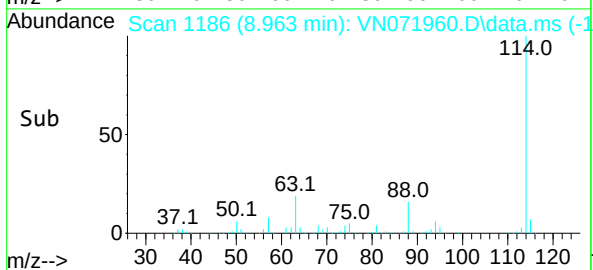
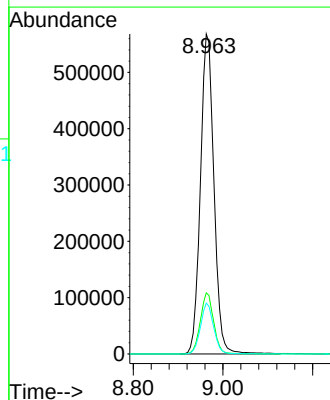
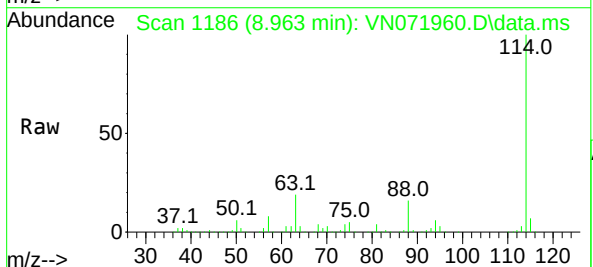
Tgt Ion: 114 Resp: 1189431

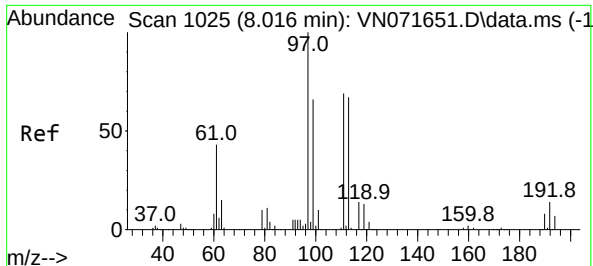
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.895 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

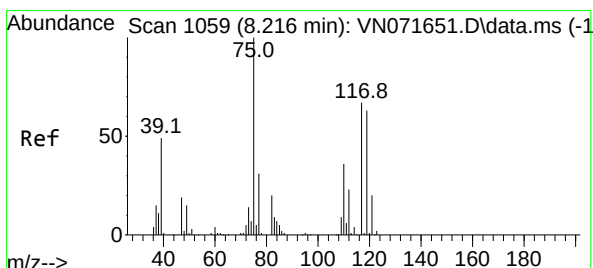
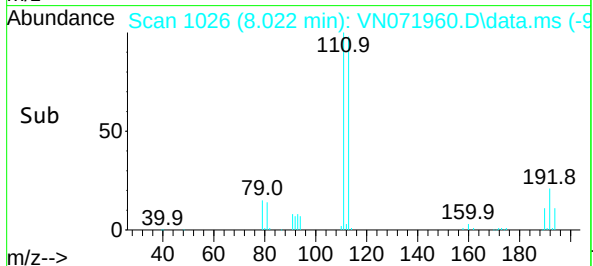
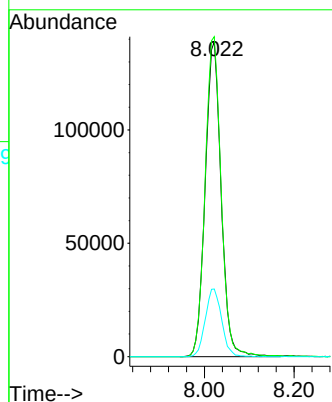
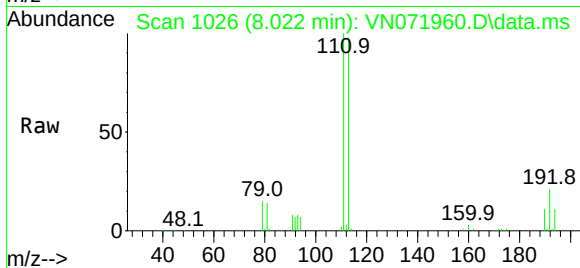
Tgt Ion:113 Resp: 342221

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 22.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

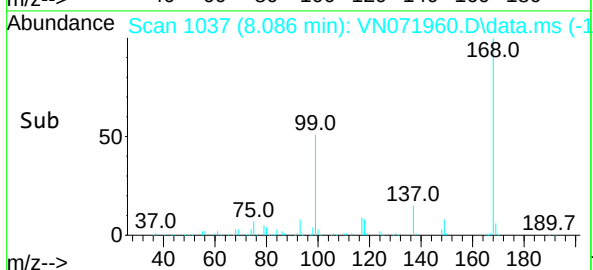
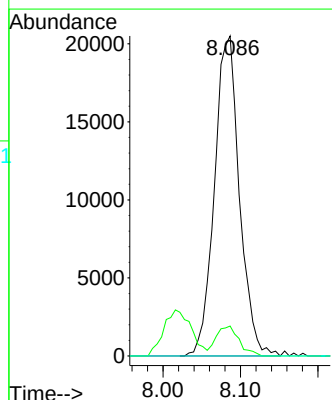
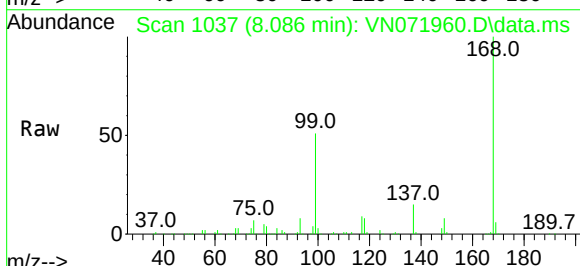
Tgt Ion: 75 Resp: 46083

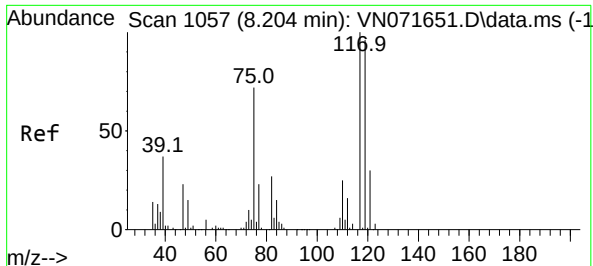
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#

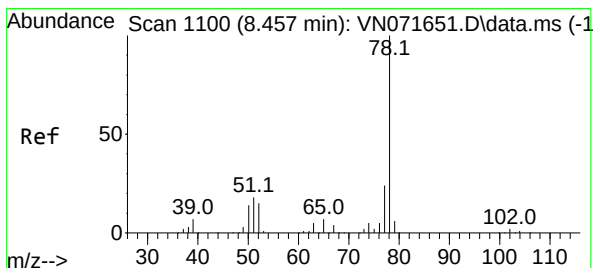
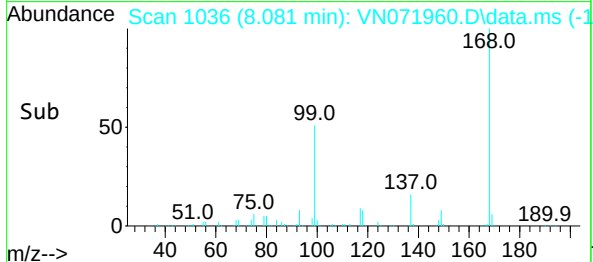
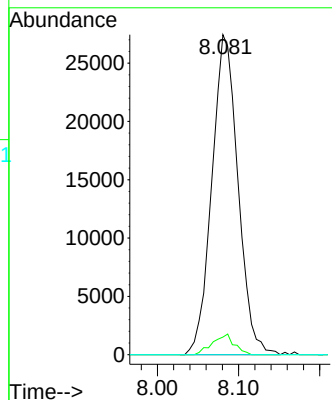
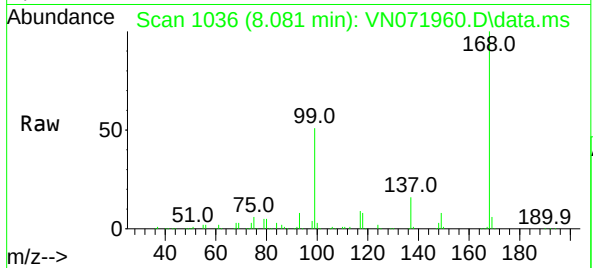




#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 8.081 min Scan# 1100
Delta R.T. -0.123 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

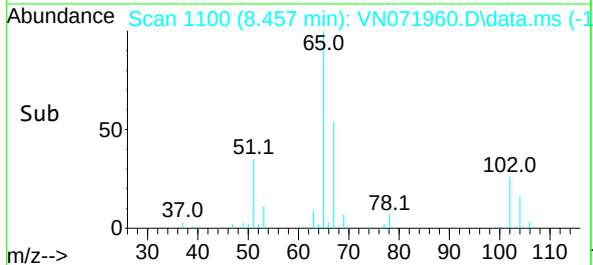
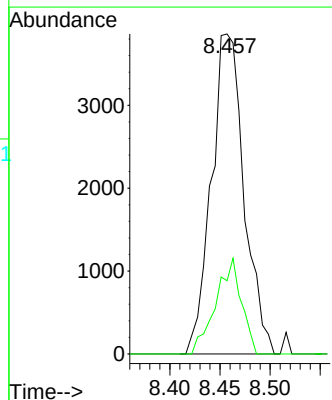
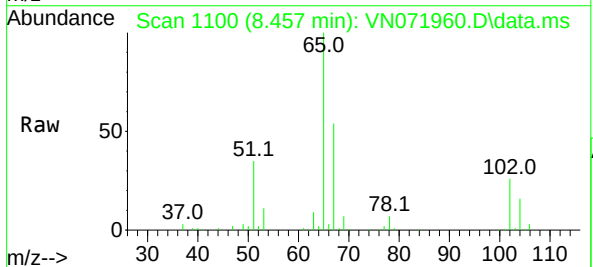
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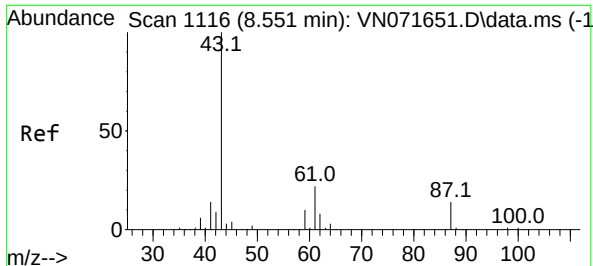
Tgt Ion:117 Resp: 61443
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.283 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 78 Resp: 8746
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0

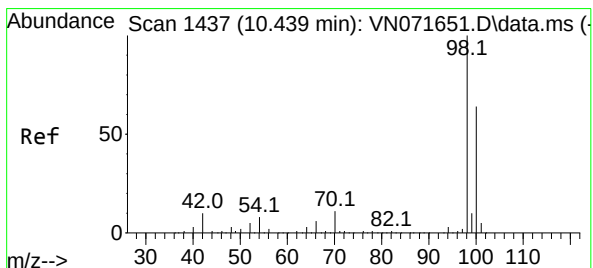
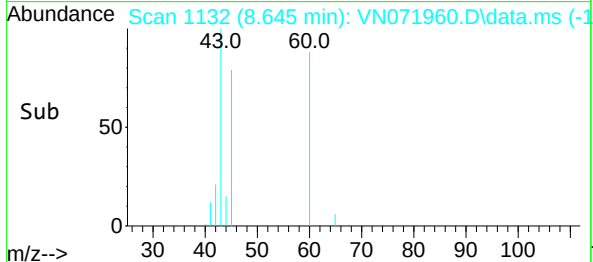
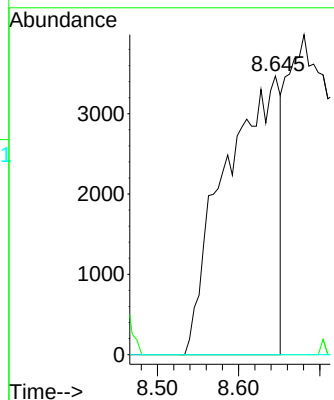
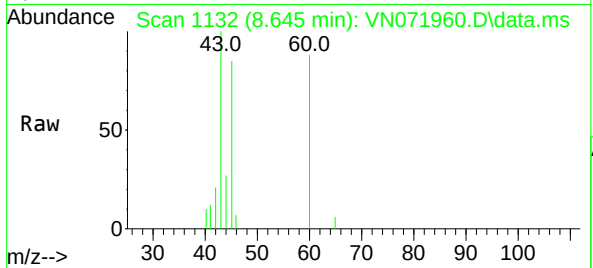




#43
Isopropyl Acetate
Concen: 0.918 ug/l
RT: 8.645 min Scan# 1116
Delta R.T. 0.094 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

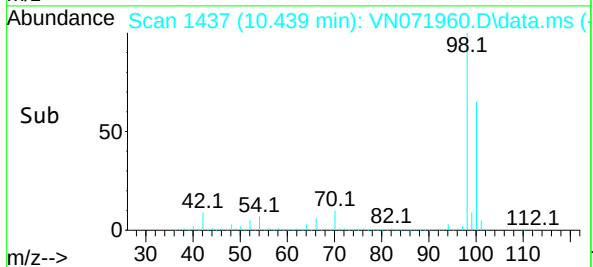
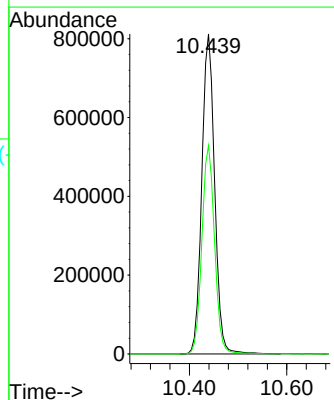
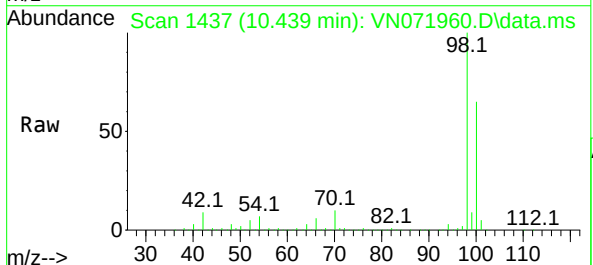
Instrument :
MSVOA_N
ClientSampleId :
IBLK

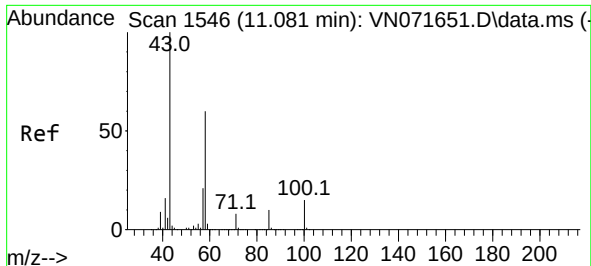
Tgt Ion: 43 Resp: 16339
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.744 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 98 Resp: 1481521
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#59

2-Hexanone

Concen: 0.382 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

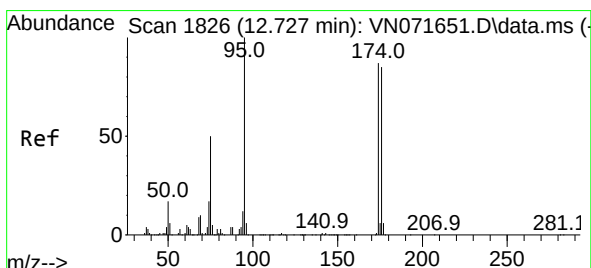
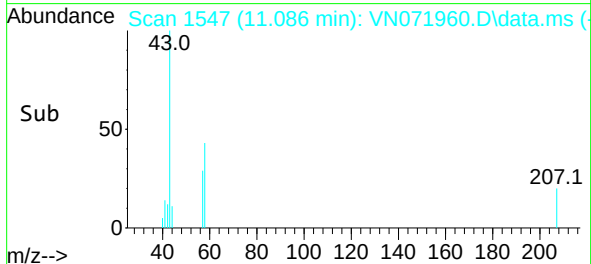
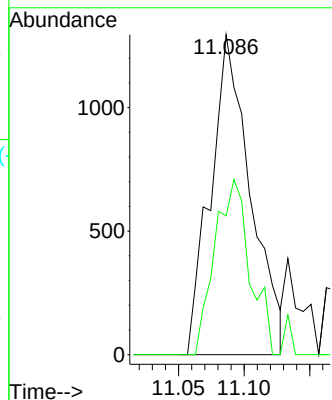
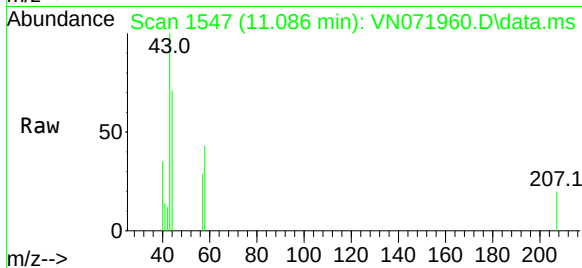
IBLK

Tgt Ion: 43 Resp: 2749

Ion Ratio Lower Upper

43 100

58 48.1 29.7 89.1



#62

4-Bromofluorobenzene

Concen: 56.739 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

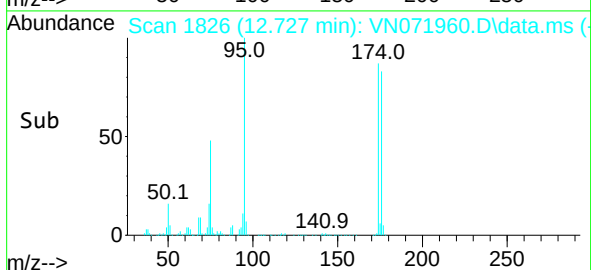
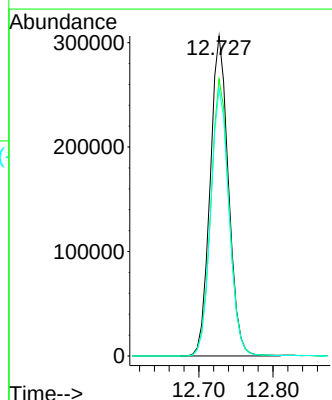
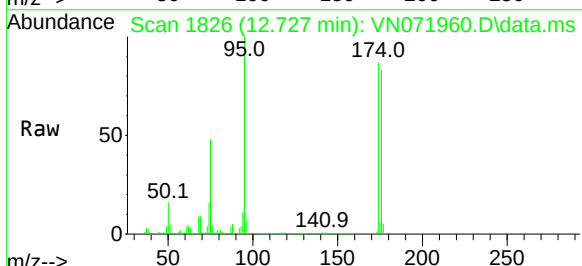
Tgt Ion: 95 Resp: 525405

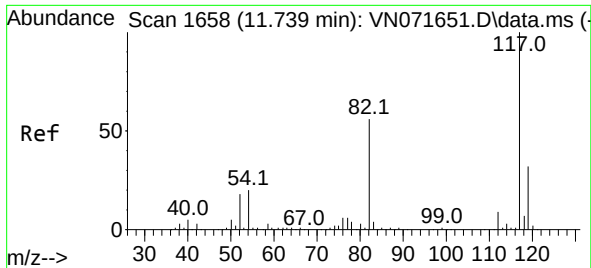
Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.6

176 83.7 0.0 163.4

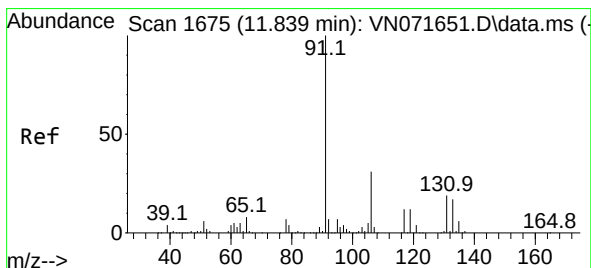
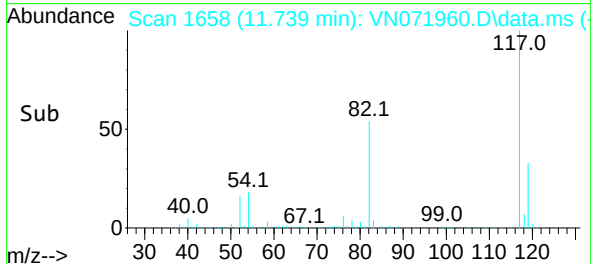
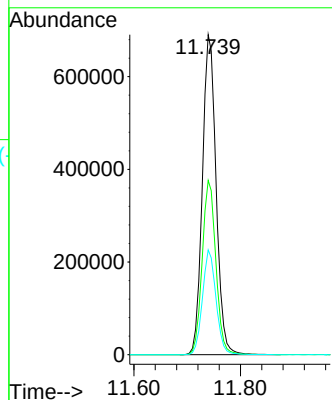
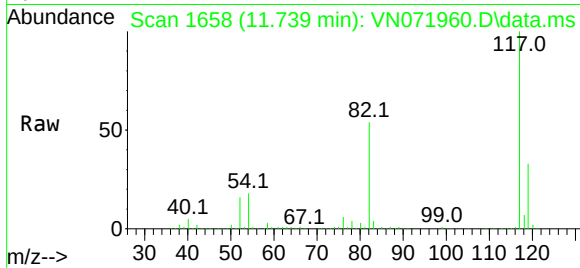




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

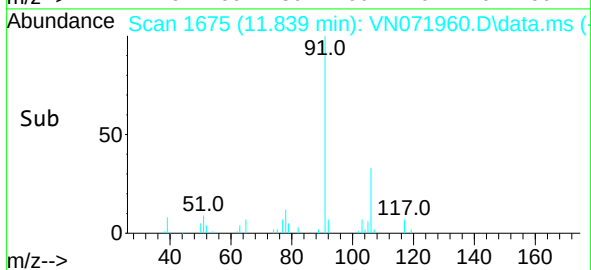
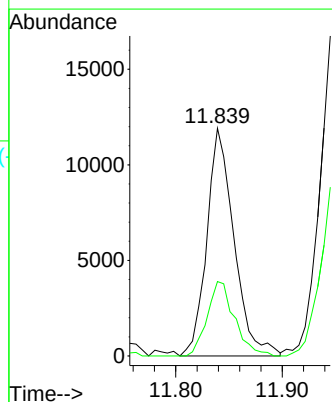
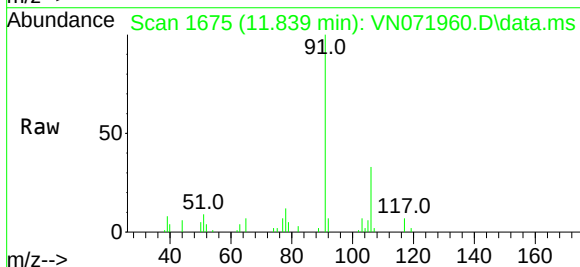
Instrument :
MSVOA_N
ClientSampleId :
IBLK

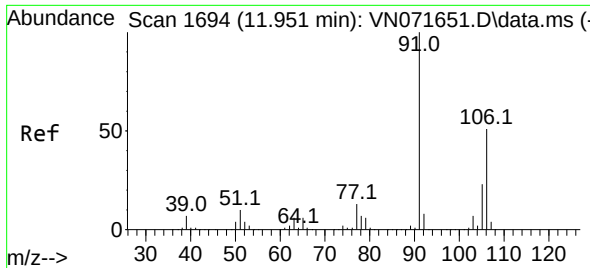
Tgt Ion:117 Resp: 1234098
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.7 25.4 38.0



#67
Ethyl Benzene
Concen: 0.506 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 91 Resp: 21175
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3

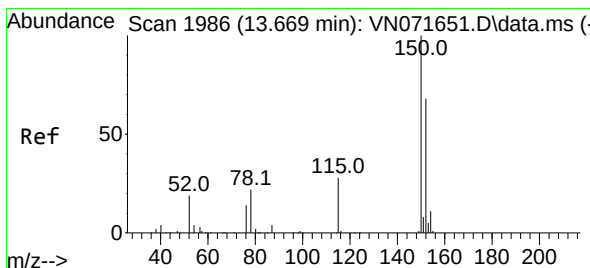
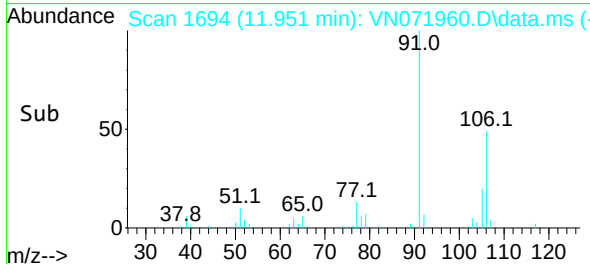
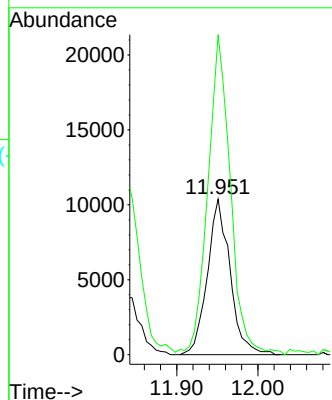
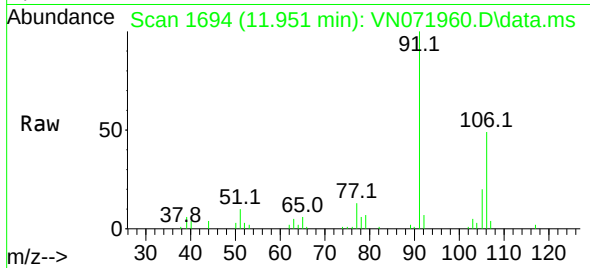




#68
m/p-Xylenes
Concen: 1.258 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

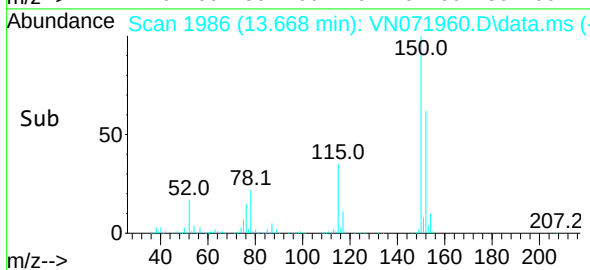
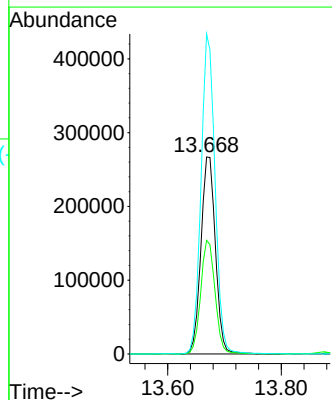
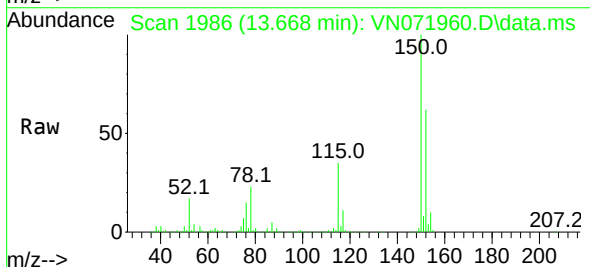
Instrument :
MSVOA_N
ClientSampleId :
IBLK

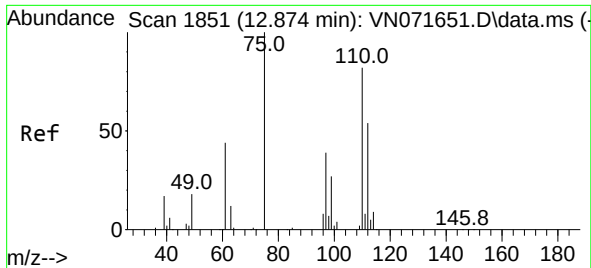
Tgt Ion:106 Resp: 20216
Ion Ratio Lower Upper
106 100
91 204.4 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion:152 Resp: 473952
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 156.7 0.0 356.2

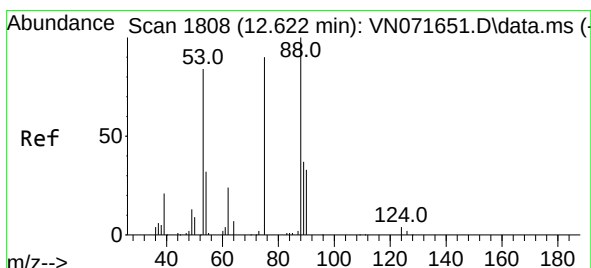
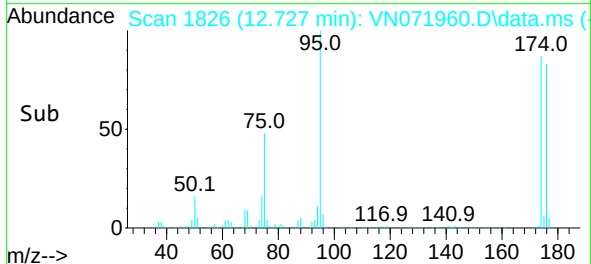
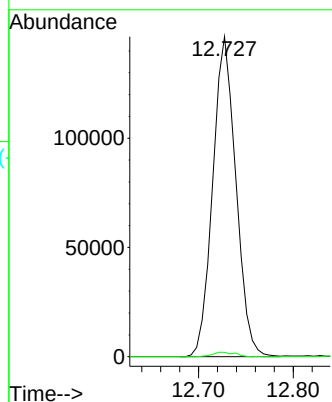
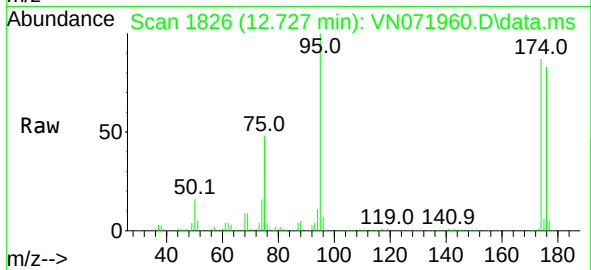




#76
1,2,3-Trichloropropane
Concen: 22.660 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

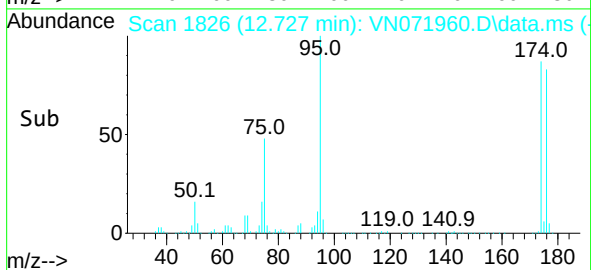
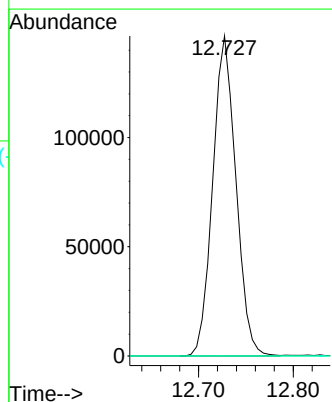
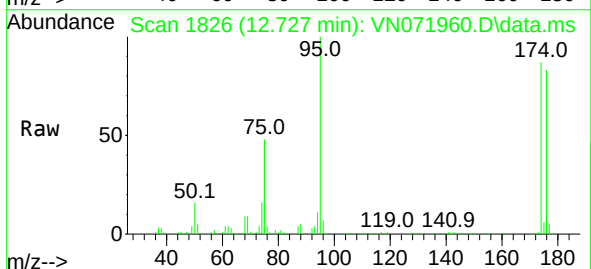
Instrument :
MSVOA_N
ClientSampleId :
IBLK

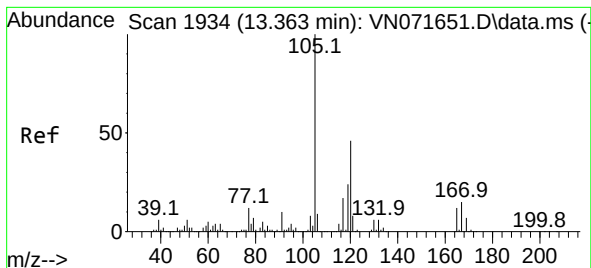
Tgt Ion: 75 Resp: 248792
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.222 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071960.D
Acq: 12 Apr 2022 17:50

Tgt Ion: 75 Resp: 248792
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.681 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

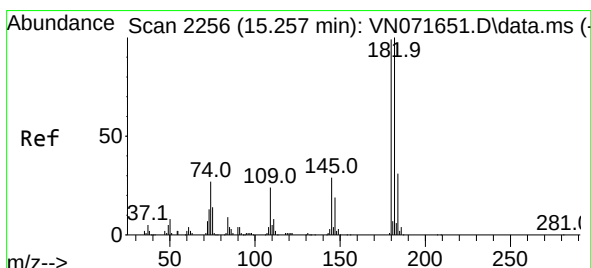
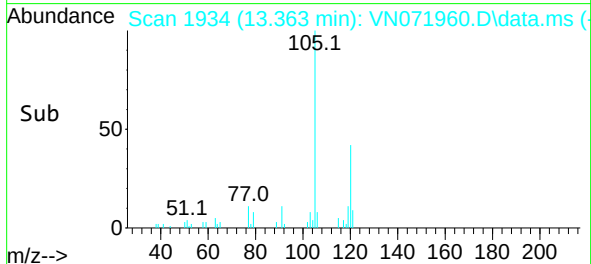
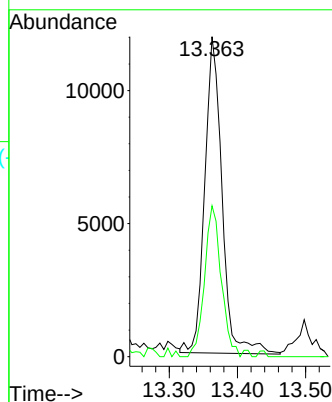
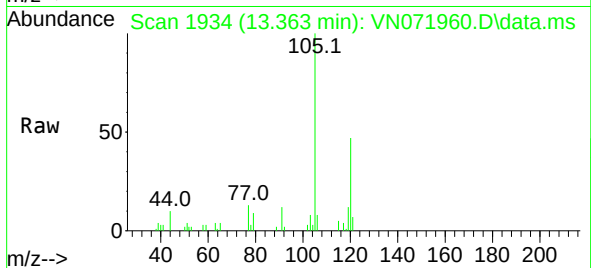
IBLK

Tgt Ion:105 Resp: 21017

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8



#93

1,2,4-Trichlorobenzene

Concen: 2.346 ug/l

RT: 15.257 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

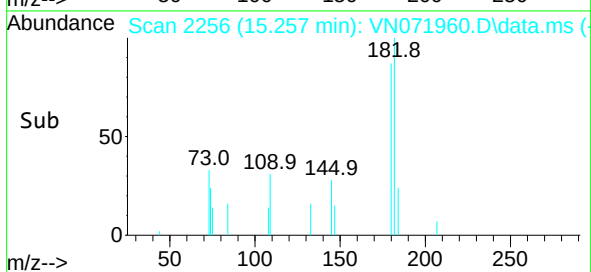
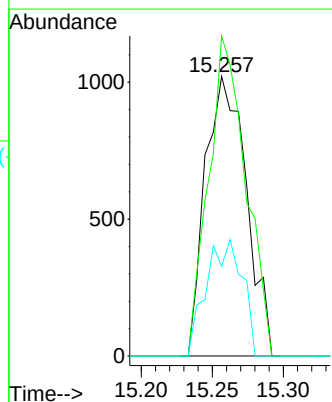
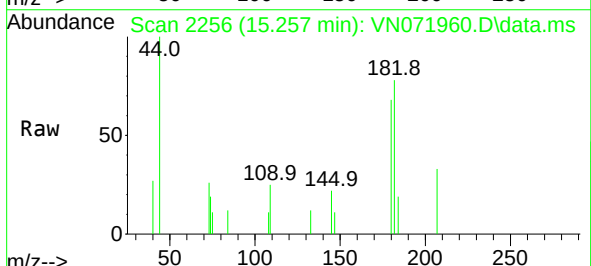
Tgt Ion:180 Resp: 2049

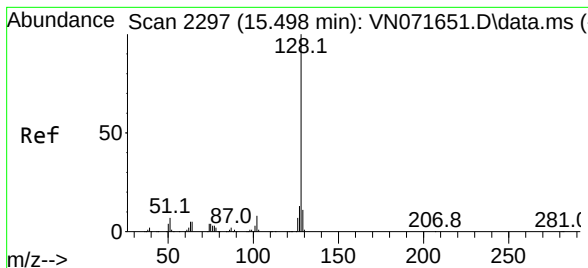
Ion Ratio Lower Upper

180 100

182 103.8 47.5 142.5

145 36.6 14.5 43.5





#95

Naphthalene

Concen: 6.445 ug/l

RT: 15.504 min Scan# 2297

Delta R.T. 0.006 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

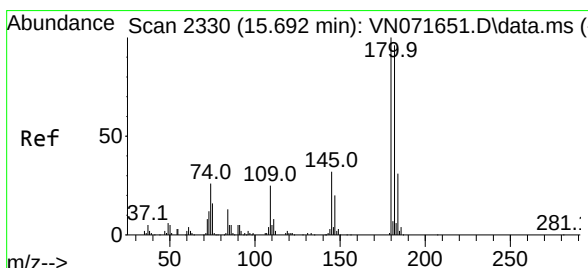
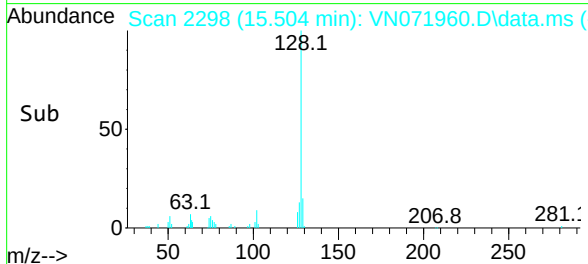
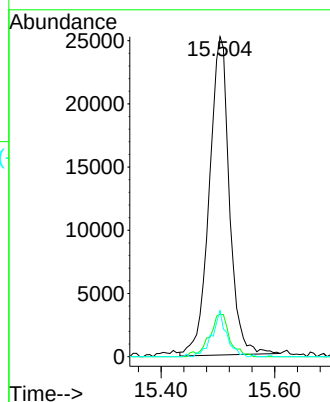
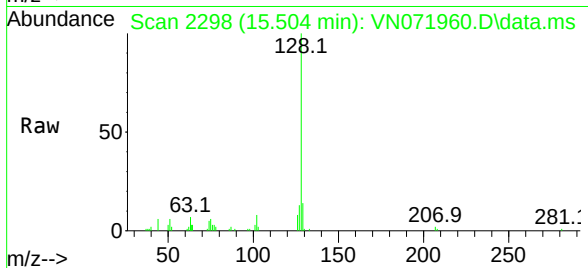
Tgt Ion:128 Resp: 61728

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.757 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN071960.D

Acq: 12 Apr 2022 17:50

Tgt Ion:180 Resp: 2635

Ion Ratio Lower Upper

180 100

182 81.3 47.8 143.3

145 29.0 15.5 46.5

