

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076668.D
 Acq On : 14 Feb 2023 18:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 15 03:17:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

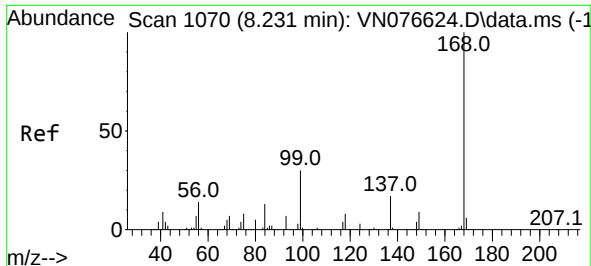
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	401722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	730339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	635653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	265665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	283468	51.101	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.200%			
35) Dibromofluoromethane	8.172	113	222043	46.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.840%			
50) Toluene-d8	10.572	98	887764	49.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.848	95	276826	46.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.580%			
Target Compounds						Qvalue
20) Methylene Chloride	5.301	84	1724	0.332	ug/l #	59
31) Cyclohexane	8.231	56	11814	1.358	ug/l #	35
36) 1,1-Dichloropropene	8.231	75	35087	5.077	ug/l #	50
38) Carbon Tetrachloride	8.231	117	42767	6.135	ug/l #	16
43) Isopropyl Acetate	8.719	43	6289	0.532	ug/l #	57
51) 4-Methyl-2-Pentanone	10.566	43	4598	0.611	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	155232	28.902	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	155232	84.179	ug/l #	4

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

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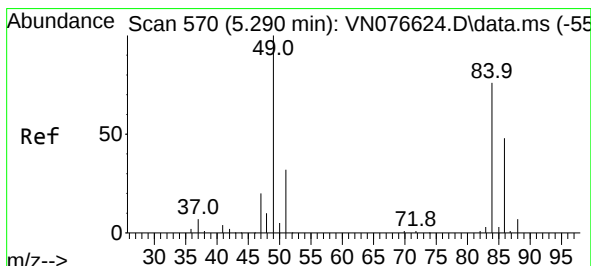
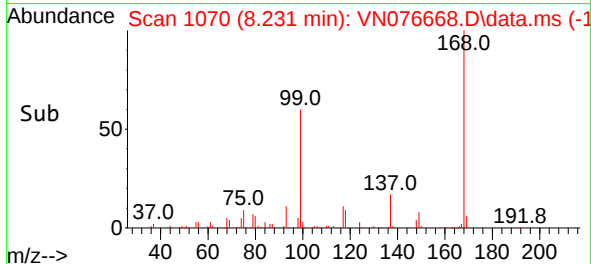
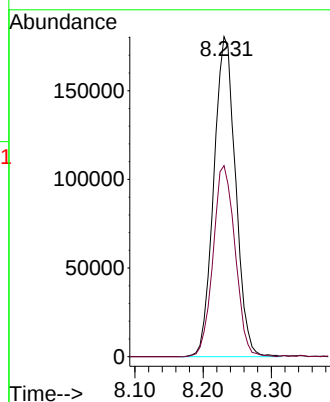
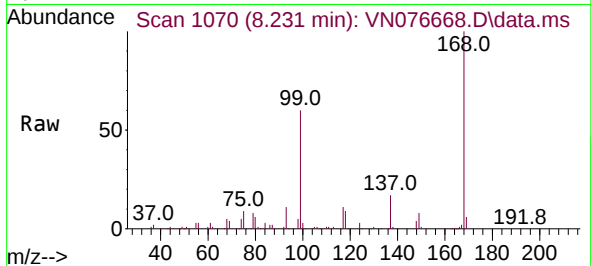




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

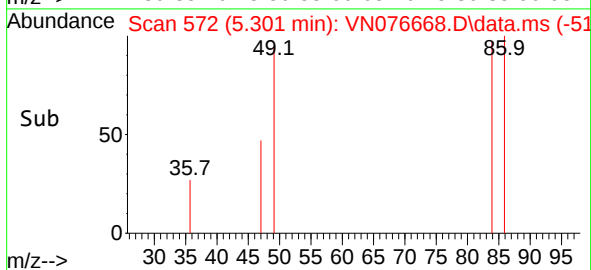
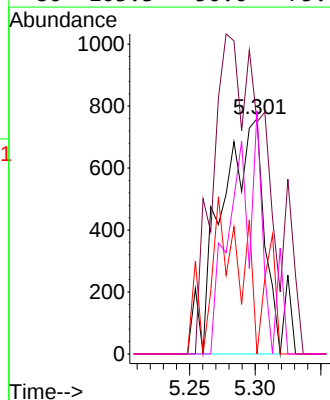
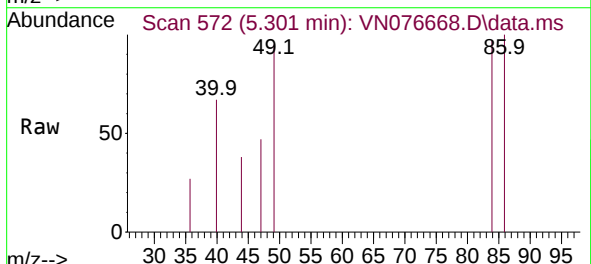
Instrument :
MSVOA_N
ClientSampleId :
IBLK

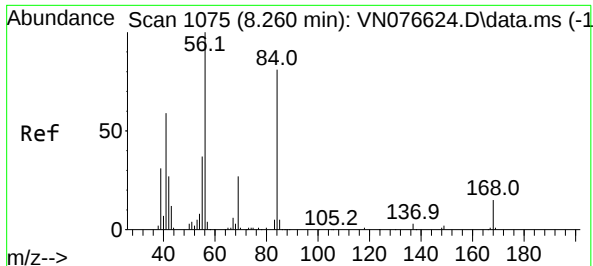
Tgt Ion:168 Resp: 401722
Ion Ratio Lower Upper
168 100
99 59.7 44.8 67.2



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

Tgt Ion: 84 Resp: 1724
Ion Ratio Lower Upper
84 100
49 98.6 104.9 157.3#
51 0.0 33.8 50.8#
86 103.3 50.0 75.0#





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 8.231 min Scan# 1107

Delta R.T. -0.029 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

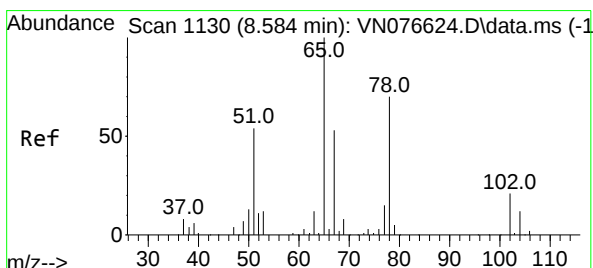
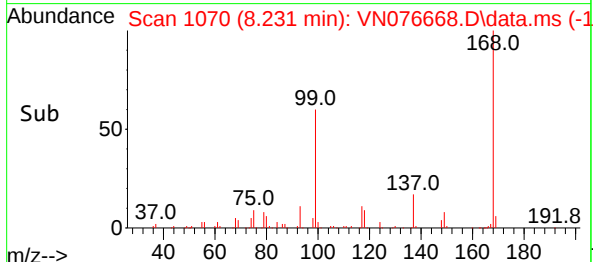
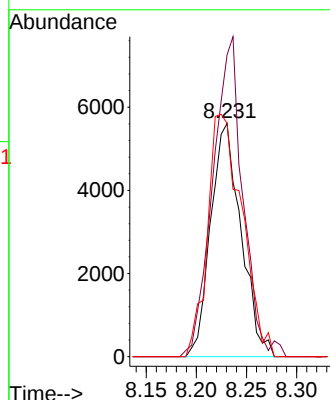
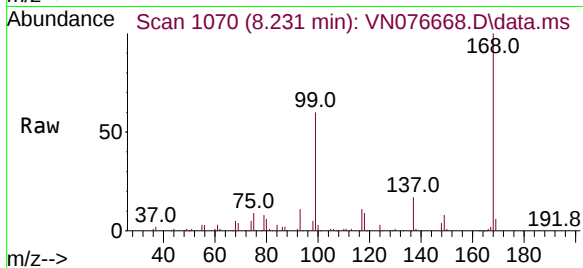
Tgt Ion: 56 Resp: 11814

Ion Ratio Lower Upper

56 100

69 129.4 21.6 32.4#

84 100.0 65.1 97.7#



#33

1,2-Dichloroethane-d4

Concen: 51.101 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076668.D

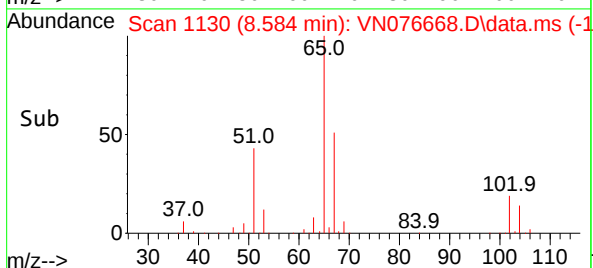
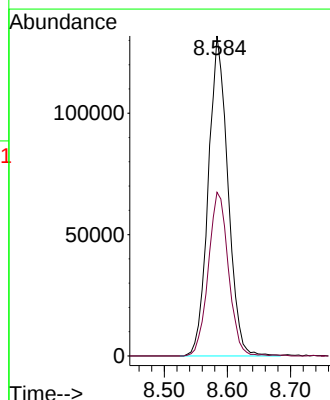
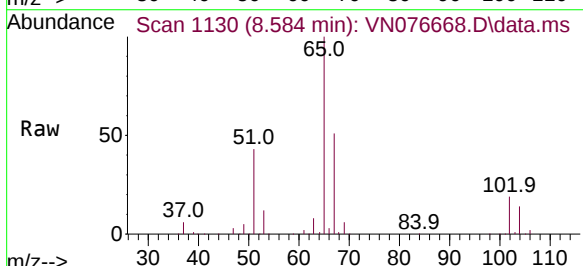
Acq: 14 Feb 2023 18:12

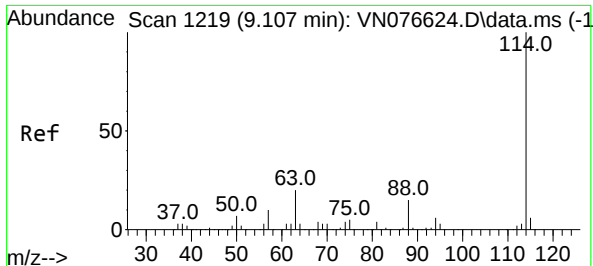
Tgt Ion: 65 Resp: 283468

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

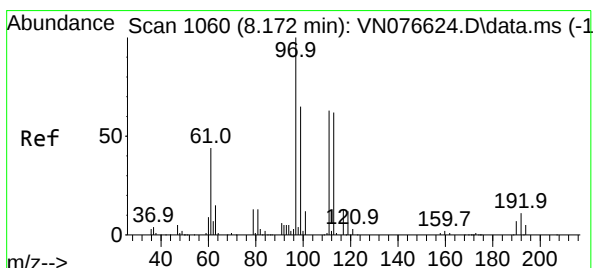
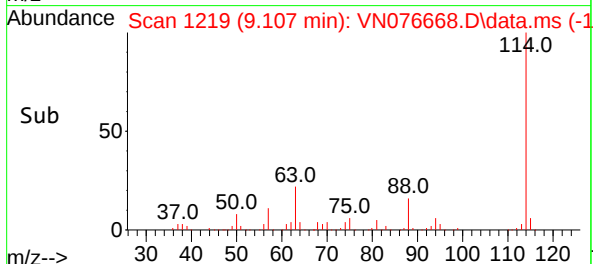
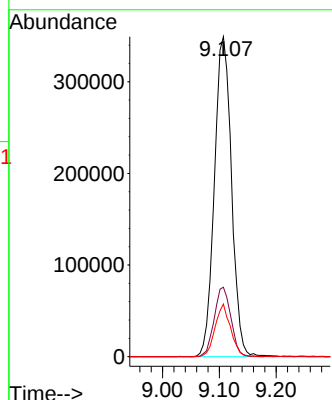
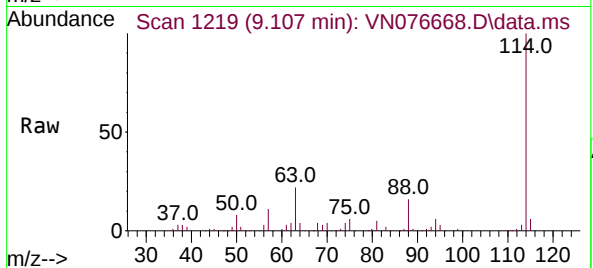
Tgt Ion:114 Resp: 730339

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 16.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 46.425 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

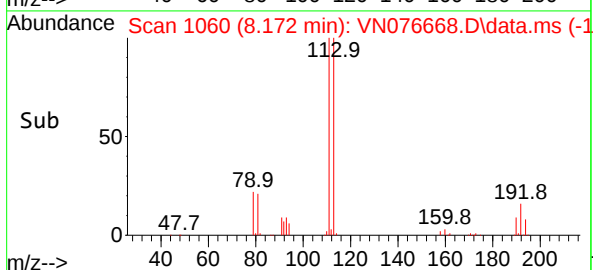
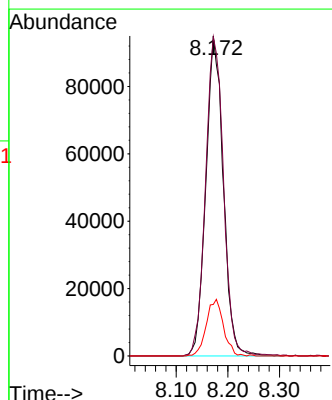
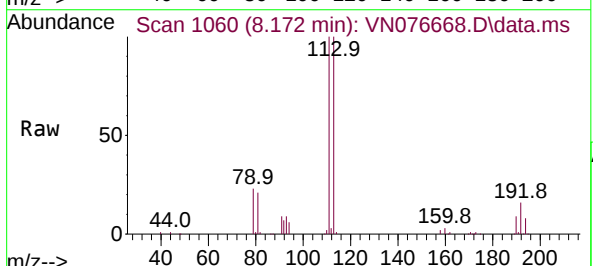
Tgt Ion:113 Resp: 222043

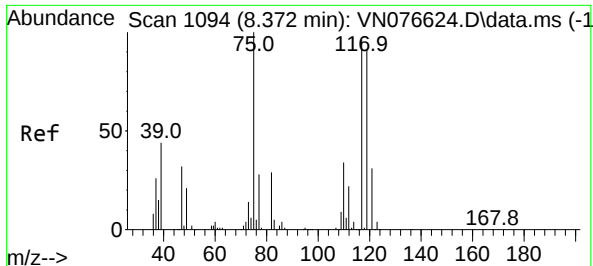
Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

192 17.5 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

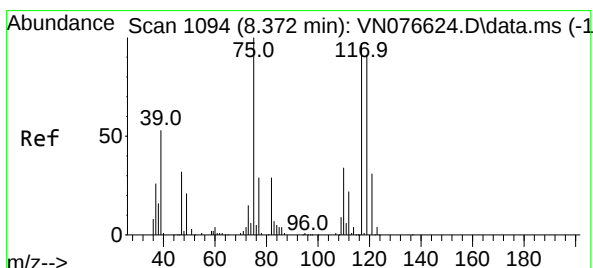
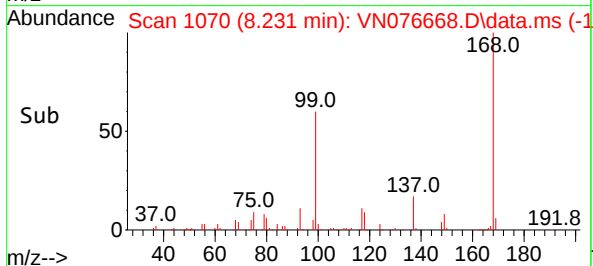
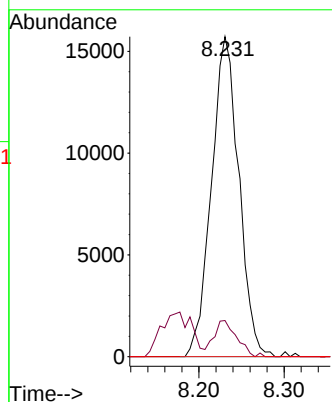
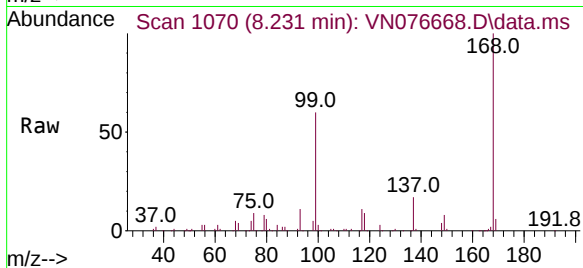
Tgt Ion: 75 Resp: 35087

Ion Ratio Lower Upper

75 100

110 9.4 17.5 52.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.135 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

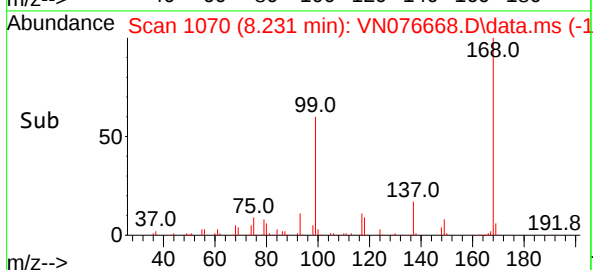
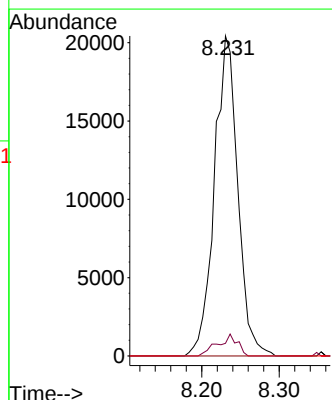
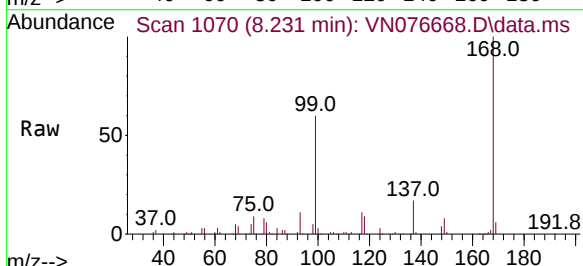
Tgt Ion: 117 Resp: 42767

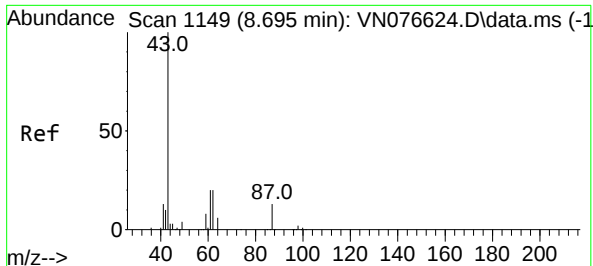
Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 26.0 39.0#





#43

Isopropyl Acetate

Concen: 0.532 ug/l

RT: 8.719 min Scan# 1153

Delta R.T. 0.024 min

Lab File: VN076668.D

Acq: 14 Feb 2023 18:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

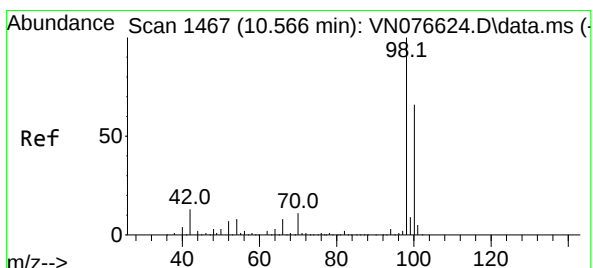
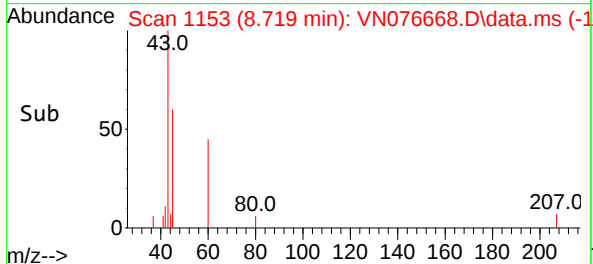
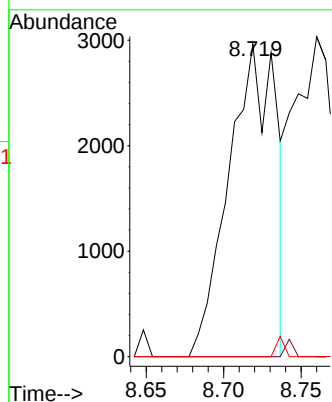
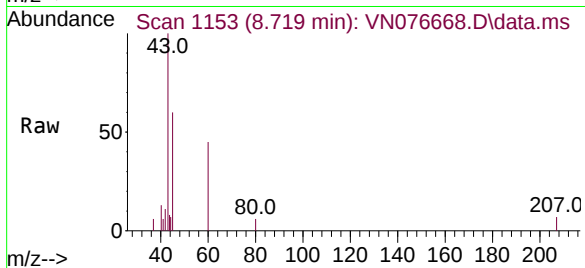
Tgt Ion: 43 Resp: 6289

Ion Ratio Lower Upper

43 100

61 0.0 20.0 30.0#

87 1.1 9.9 14.9#



#50

Toluene-d8

Concen: 49.702 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076668.D

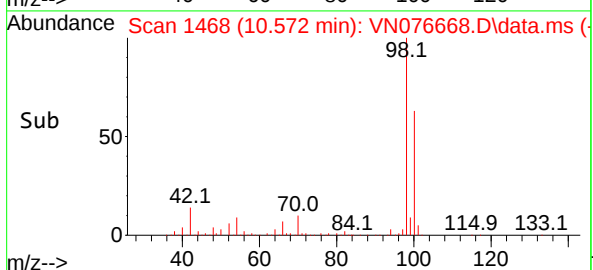
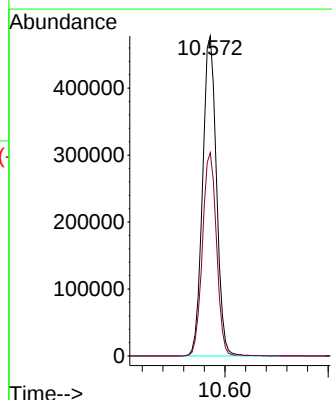
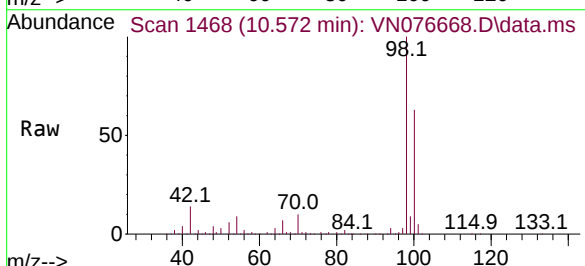
Acq: 14 Feb 2023 18:12

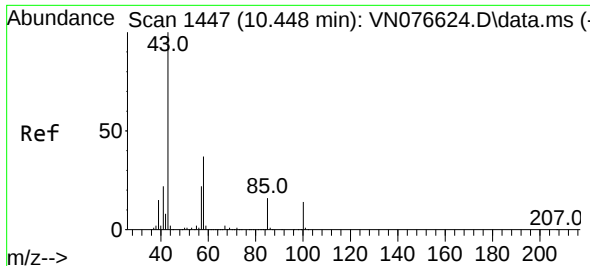
Tgt Ion: 98 Resp: 887764

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3

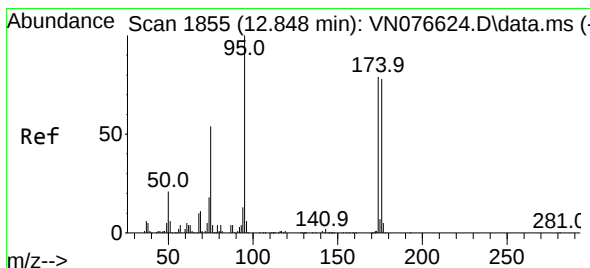
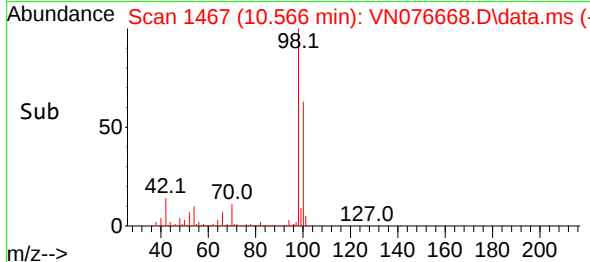
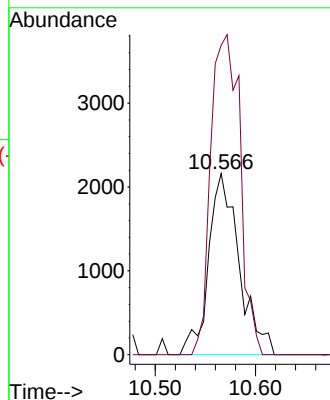
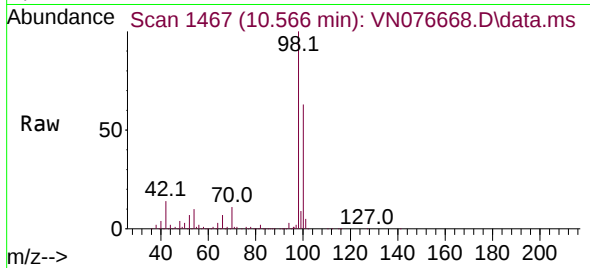




#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.566 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

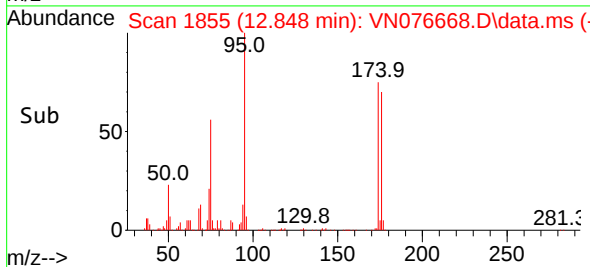
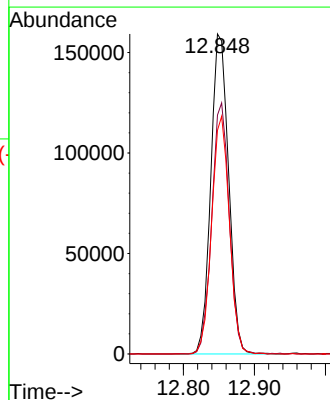
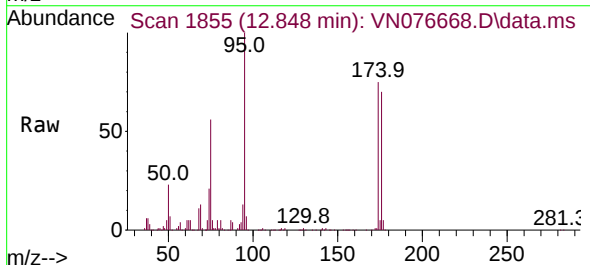
Instrument :
MSVOA_N
ClientSampleId :
IBLK

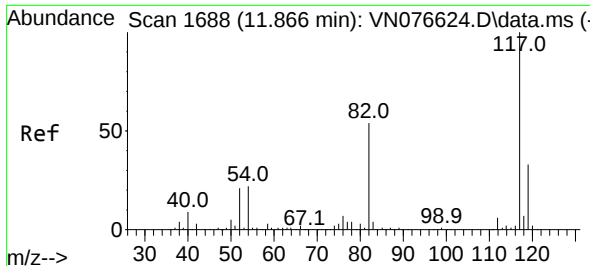
Tgt Ion: 43 Resp: 4598
Ion Ratio Lower Upper
43 100
58 168.4 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 46.794 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

Tgt Ion: 95 Resp: 276826
Ion Ratio Lower Upper
95 100
174 76.9 0.0 169.2
176 73.9 0.0 163.4

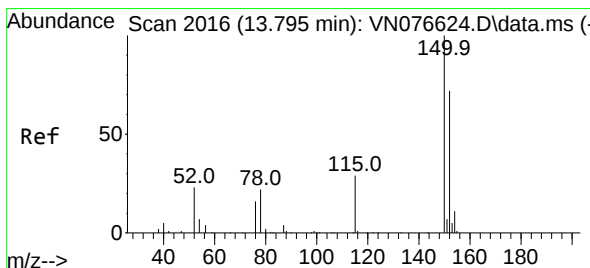
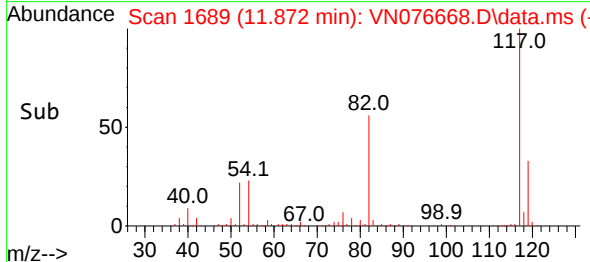
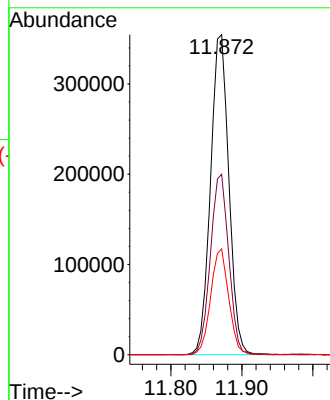
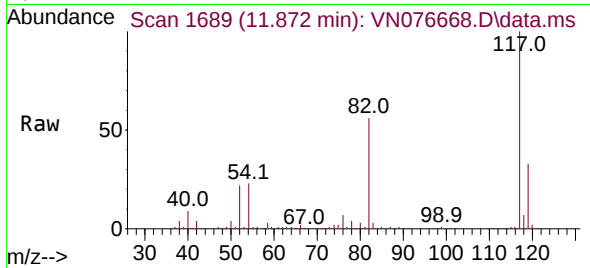




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

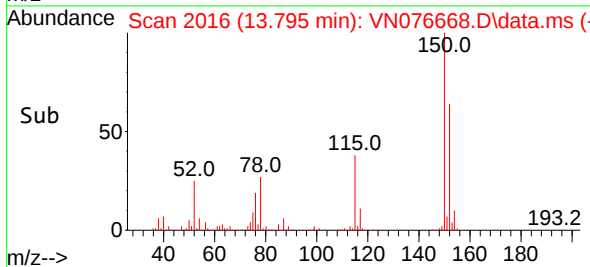
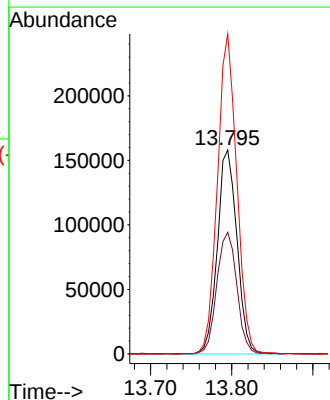
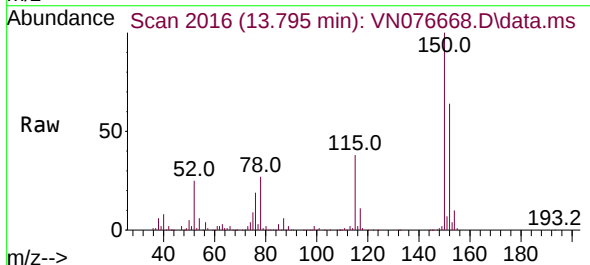
Instrument :
MSVOA_N
ClientSampleId :
IBLK

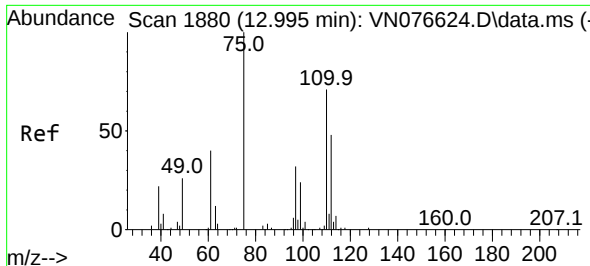
Tgt Ion:117 Resp: 635653
Ion Ratio Lower Upper
117 100
82 56.4 43.4 65.2
119 33.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

Tgt Ion:152 Resp: 265665
Ion Ratio Lower Upper
152 100
115 61.1 29.3 87.9
150 154.9 0.0 349.8

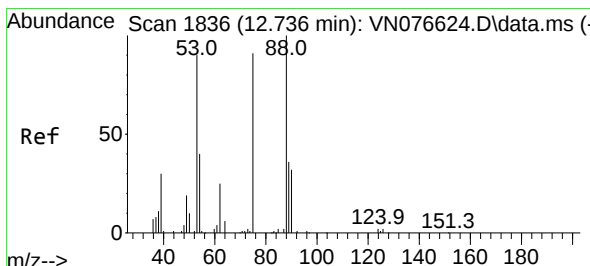
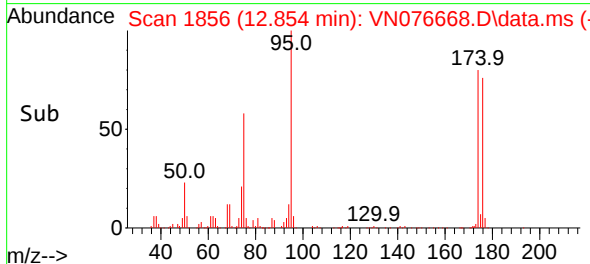
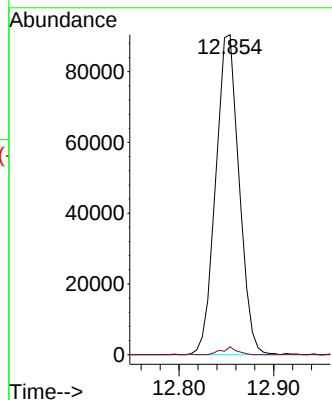
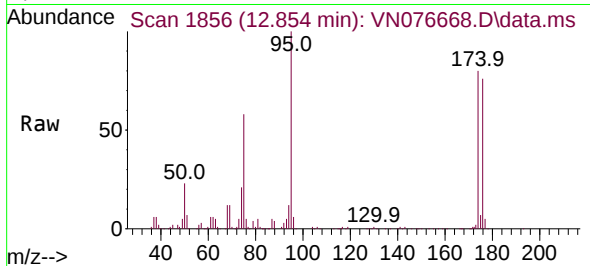




#76
1,2,3-Trichloropropane
Concen: 28.902 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 155232
Ion Ratio Lower Upper
75 100
77 1.6 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.179 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076668.D
Acq: 14 Feb 2023 18:12

Tgt Ion: 75 Resp: 155232
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#

