

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073434.D
 Acq On : 12 Jul 2022 14:08
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 13 06:18:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

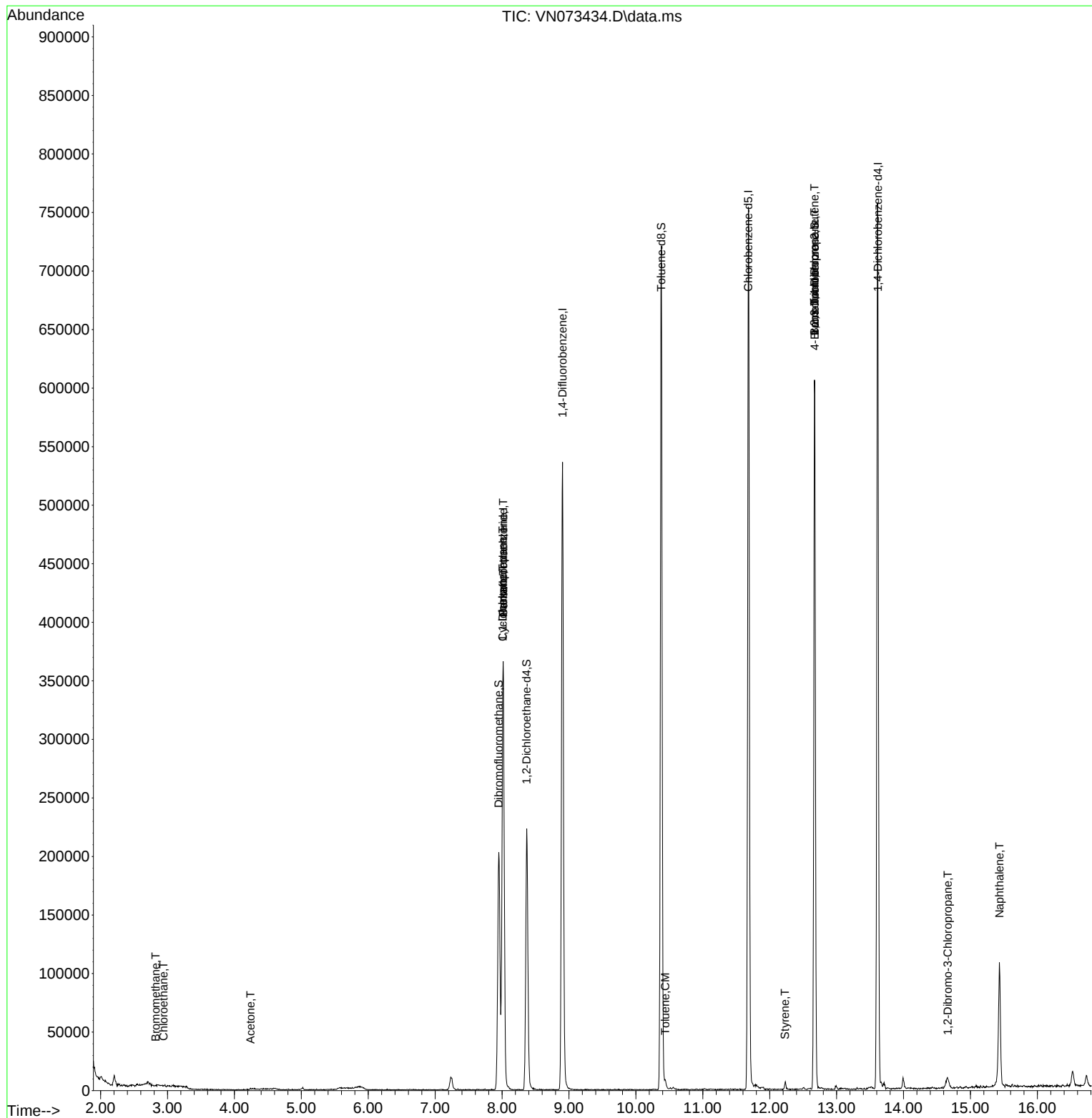
Internal Standards						
1) Pentafluorobenzene	8.016	168	275537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	462750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	433637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	204242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	185876	46.730	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.460%
35) Dibromofluoromethane	7.951	113	151443	49.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.380%
50) Toluene-d8	10.380	98	486629	44.503	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.000%
62) 4-Bromofluorobenzene	12.674	95	210606	50.119	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.822	94	401	0.255	ug/l	96
6) Chloroethane	2.940	64	988	0.505	ug/l #	42
16) Acetone	4.240	43	1475	0.661	ug/l #	64
31) Cyclohexane	8.010	56	6859	1.053	ug/l #	53
36) 1,1-Dichloropropene	8.010	75	23917	5.049	ug/l #	48
38) Carbon Tetrachloride	8.016	117	28022	5.720	ug/l #	15
52) Toluene	10.439	92	2064	0.228	ug/l	99
70) Styrene	12.227	104	2644	0.250	ug/l	96
71) Bromoform	12.669	173	1679	0.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	111649	20.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	111649	57.334	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.663	75	903	0.635	ug/l #	1
95) Naphthalene	15.433	128	103767	6.592	ug/l	96

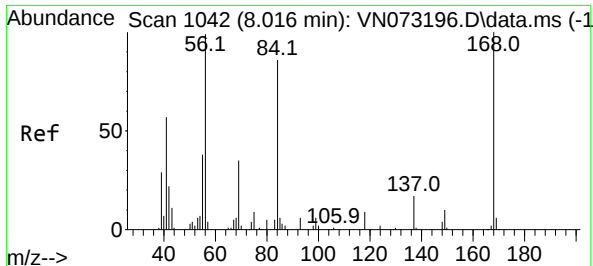
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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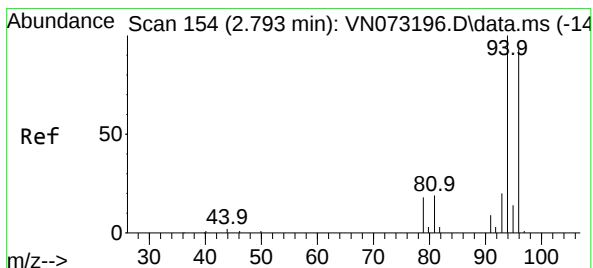
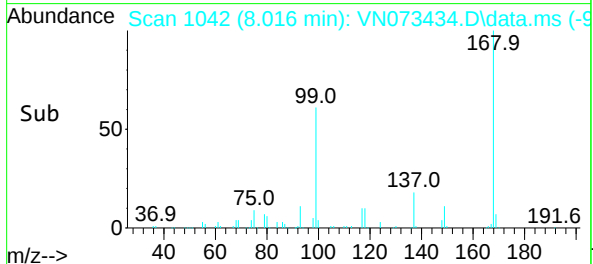
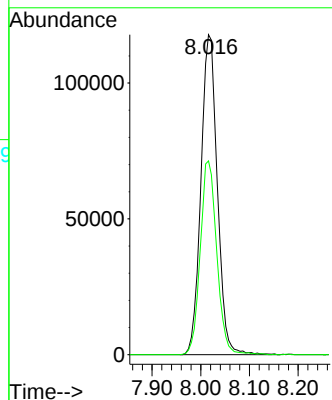
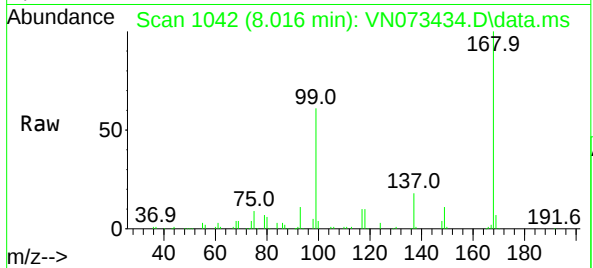




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

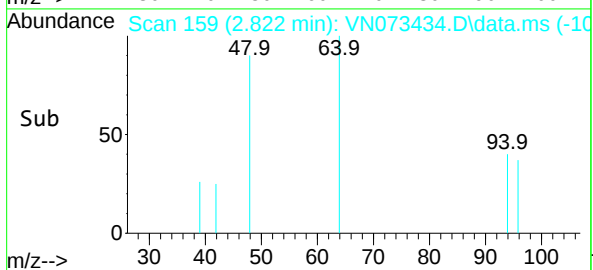
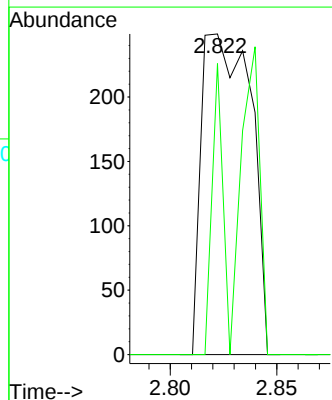
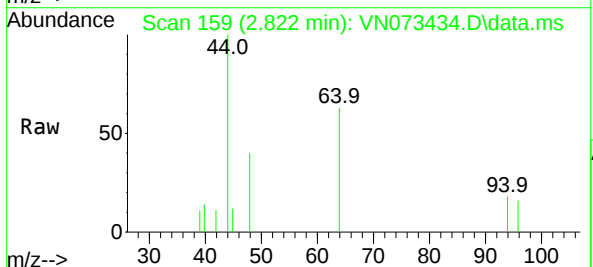
Instrument :
MSVOA_N
ClientSampleId :
IBLK

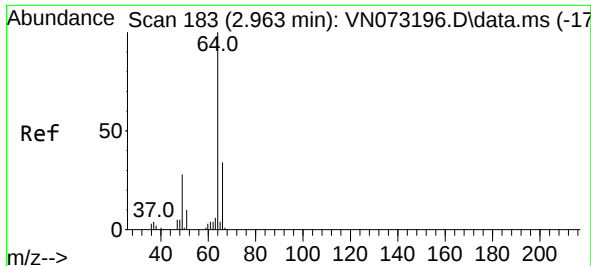
Tgt Ion:168 Resp: 275537
Ion Ratio Lower Upper
168 100
99 60.6 42.3 63.5



#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.822 min Scan# 159
Delta R.T. 0.029 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 90.8 76.0 114.0

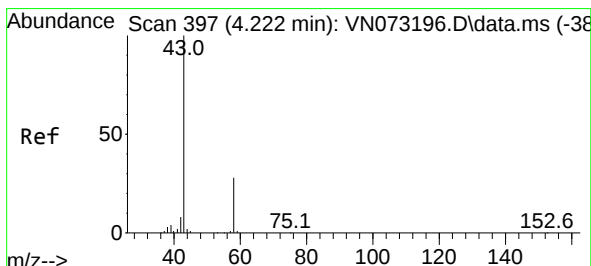
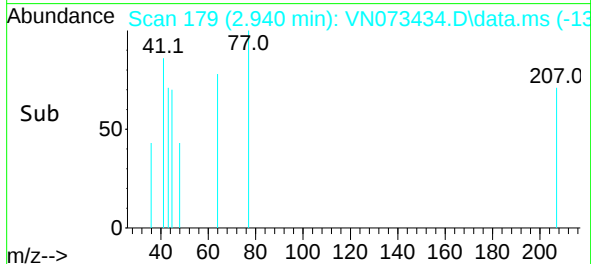
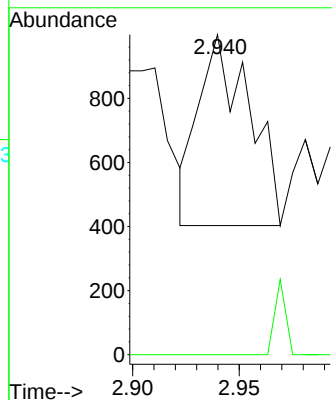
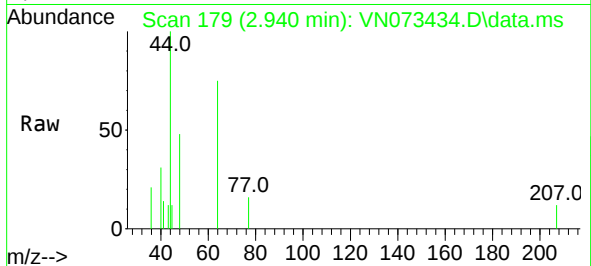




#6
Chloroethane
Concen: 0.505 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

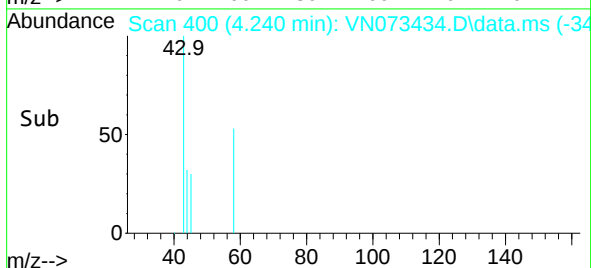
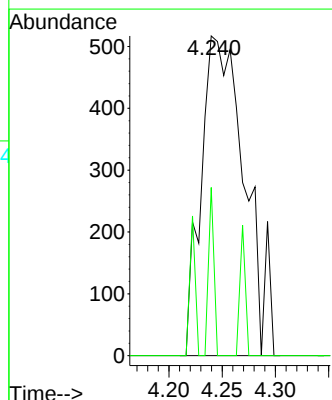
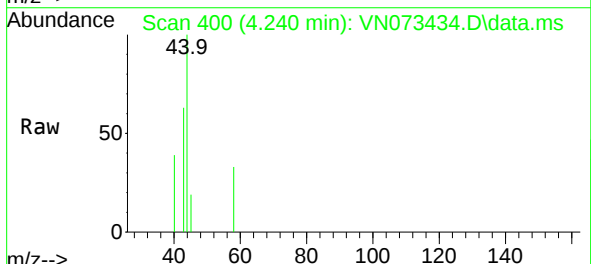
Instrument :
MSVOA_N
ClientSampleId :
IBLK

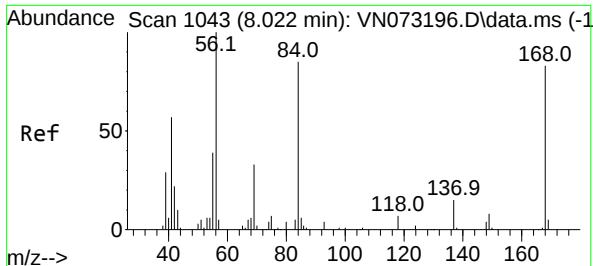
Tgt Ion: 64 Resp: 988
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 0.661 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
58 52.6 26.0 39.0#





#31

Cyclohexane

Concen: 1.053 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073434.D

Acq: 12 Jul 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

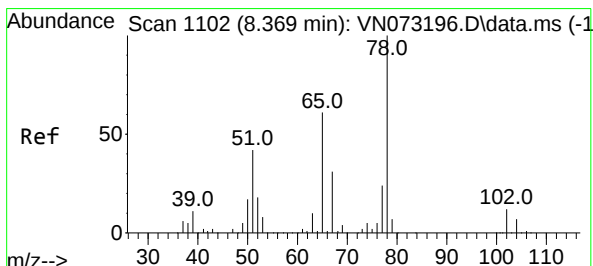
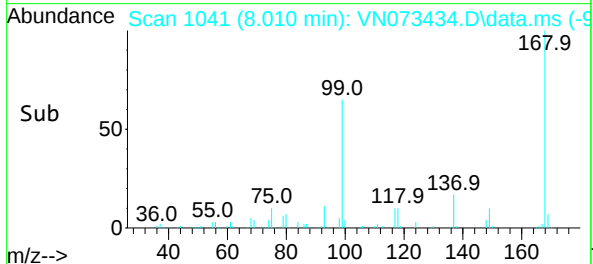
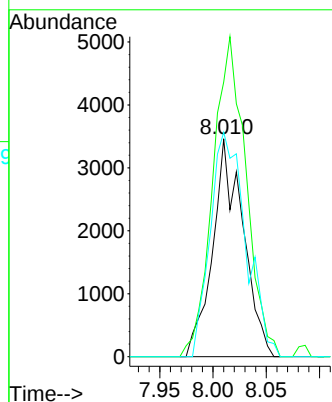
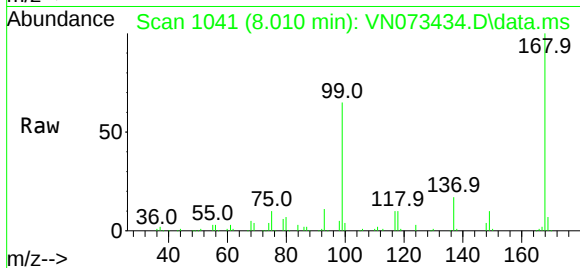
Tgt Ion: 56 Resp: 6859

Ion Ratio Lower Upper

56 100

69 126.0 27.8 41.8#

84 103.0 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 46.730 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073434.D

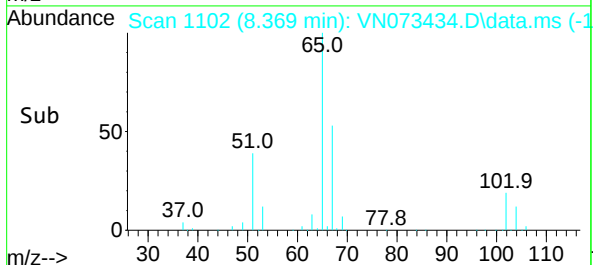
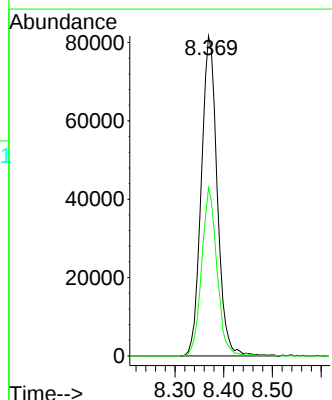
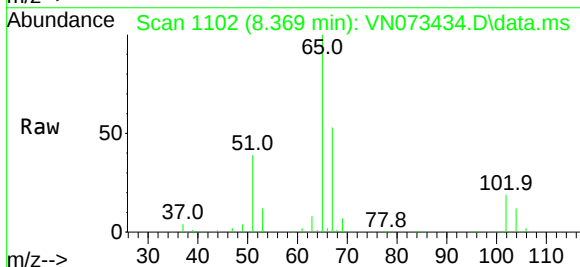
Acq: 12 Jul 2022 14:08

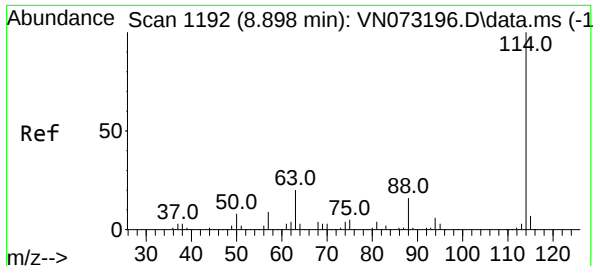
Tgt Ion: 65 Resp: 185876

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073434.D

Acq: 12 Jul 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

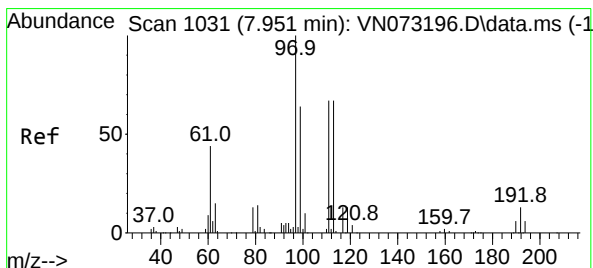
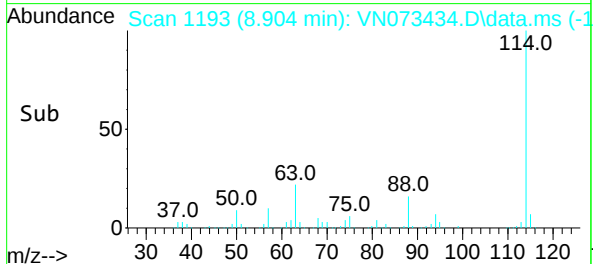
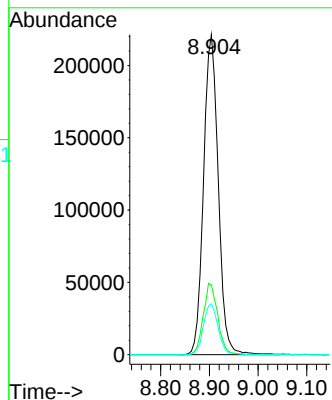
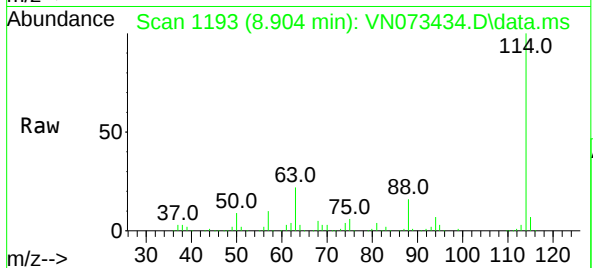
Tgt Ion:114 Resp: 462750

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.190 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073434.D

Acq: 12 Jul 2022 14:08

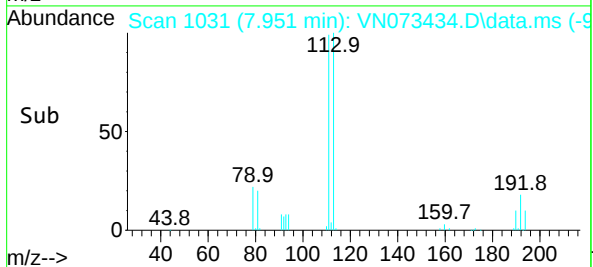
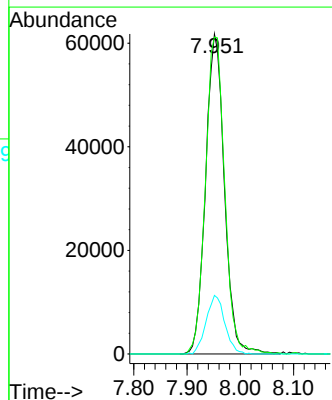
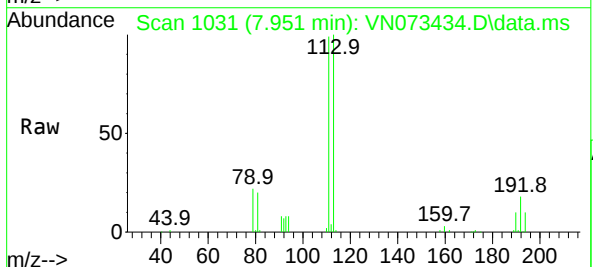
Tgt Ion:113 Resp: 151443

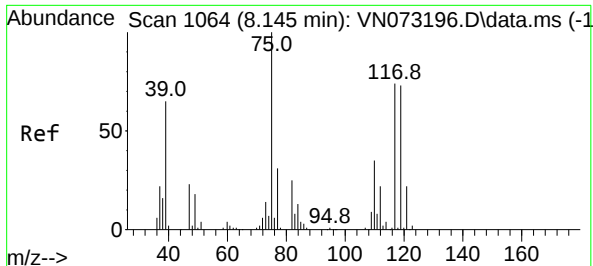
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 18.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.049 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073434.D

Acq: 12 Jul 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

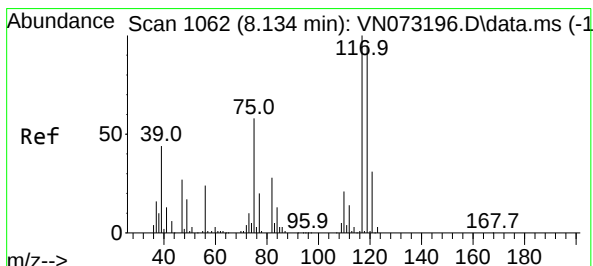
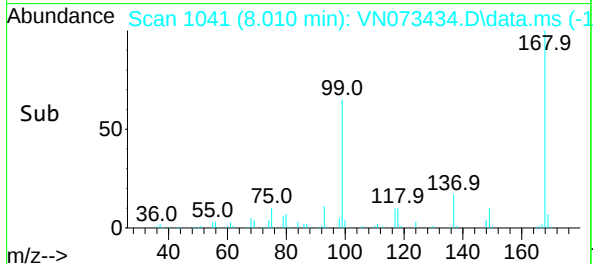
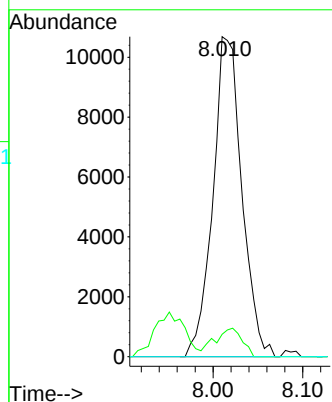
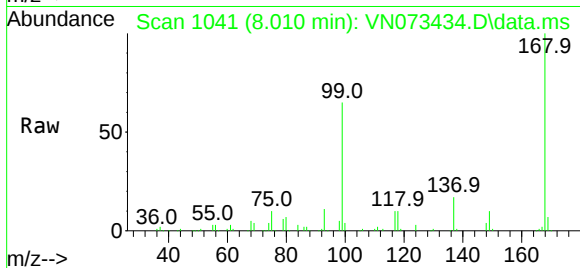
Tgt Ion: 75 Resp: 23917

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073434.D

Acq: 12 Jul 2022 14:08

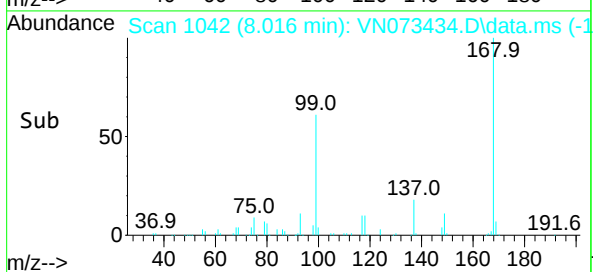
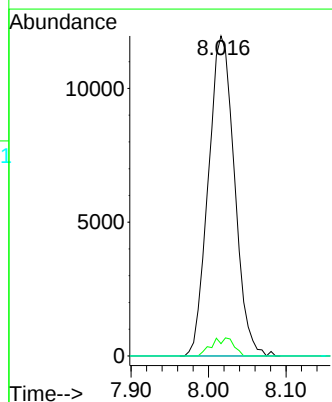
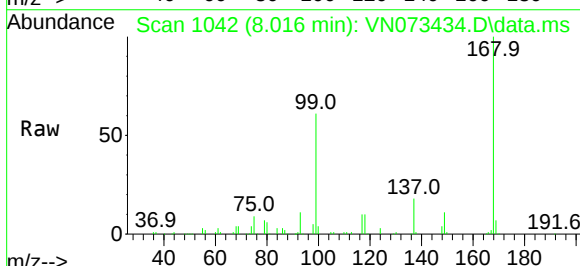
Tgt Ion: 117 Resp: 28022

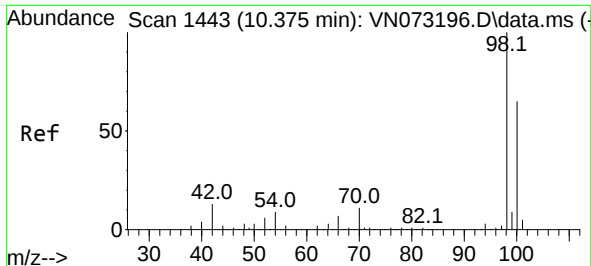
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

121 0.0 24.6 37.0#

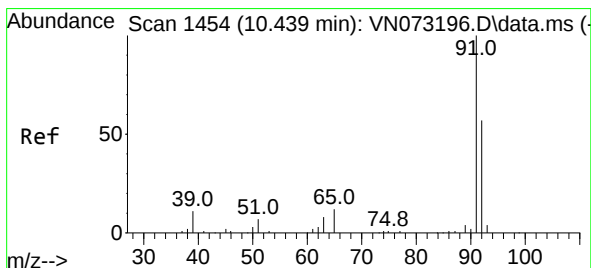
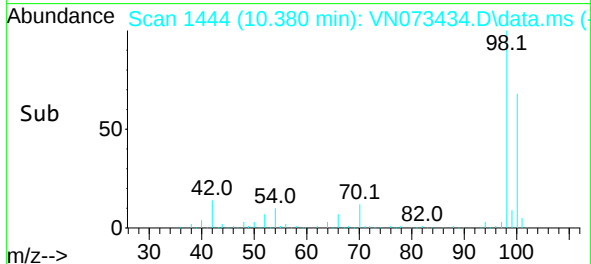
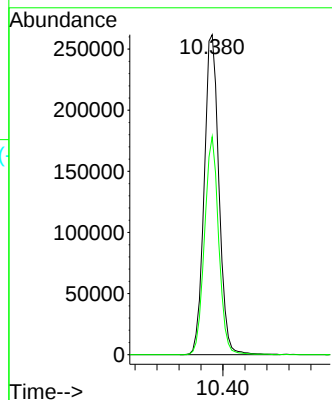
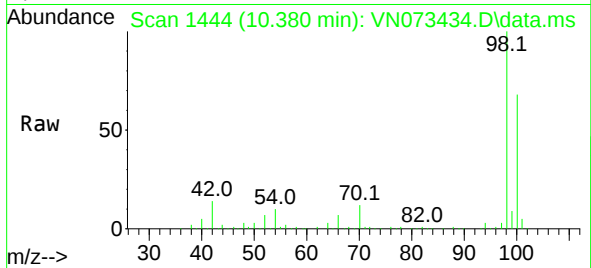




#50
Toluene-d8
Concen: 44.503 ug/l
RT: 10.380 min Scan# 1443
Delta R.T. 0.005 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

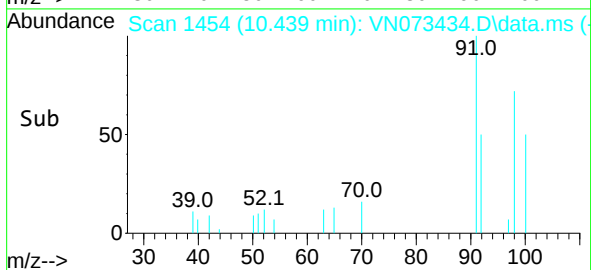
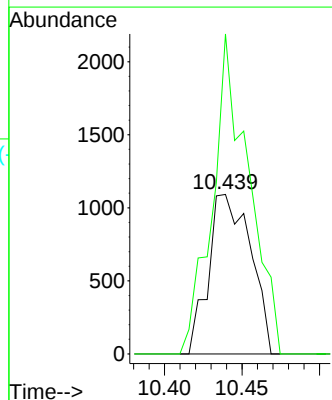
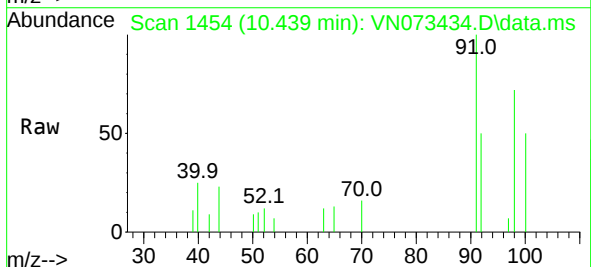
Instrument :
MSVOA_N
ClientSampleId :
IBLK

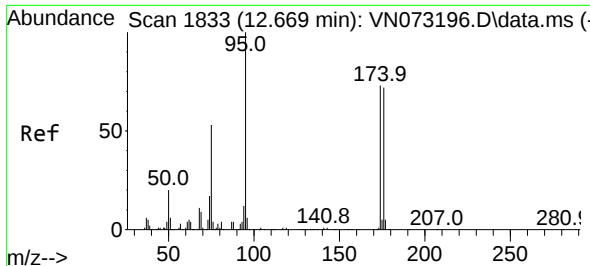
Tgt Ion: 98 Resp: 486629
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#52
Toluene
Concen: 0.228 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion: 92 Resp: 2064
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8

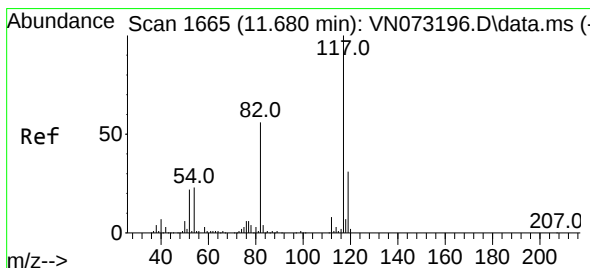
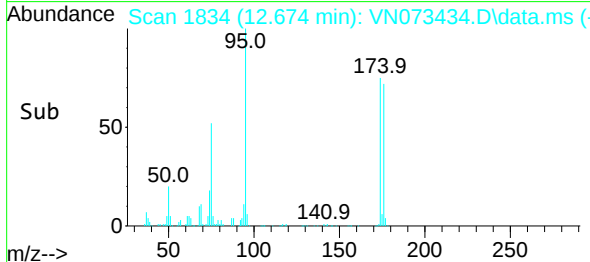
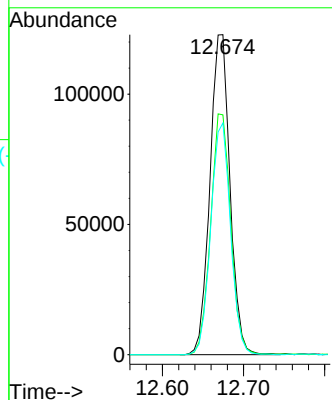
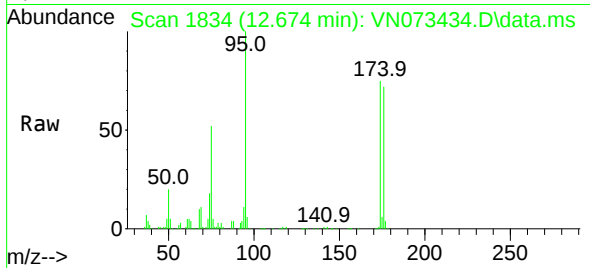




#62
4-Bromofluorobenzene
Concen: 50.119 ug/l
RT: 12.674 min Scan# 1833
Delta R.T. 0.005 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

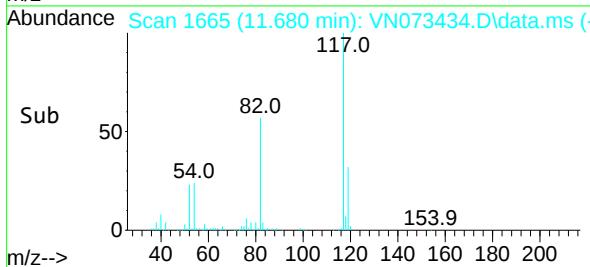
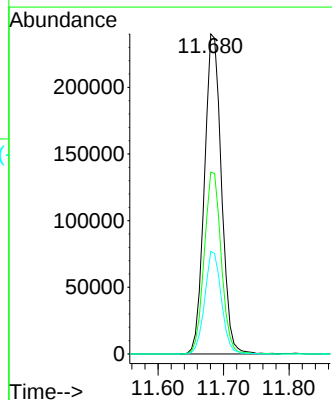
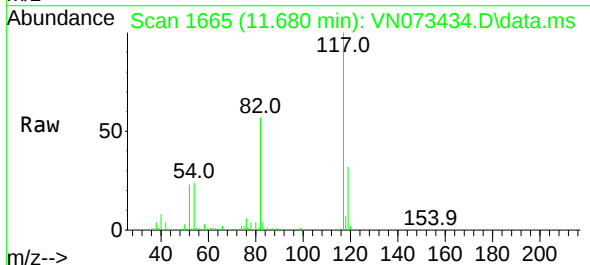
Instrument :
MSVOA_N
ClientSampleId :
IBLK

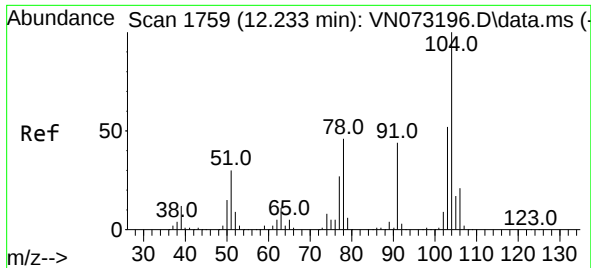
Tgt Ion: 95 Resp: 210606
Ion Ratio Lower Upper
95 100
174 75.5 0.0 167.6
176 71.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion: 117 Resp: 433637
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 32.0 25.4 38.0

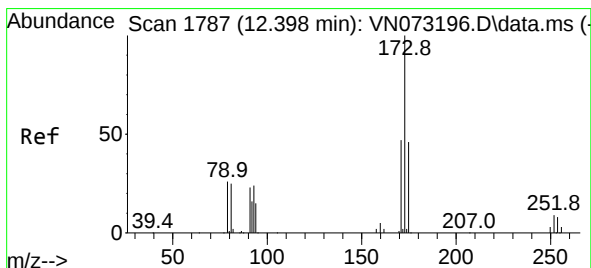
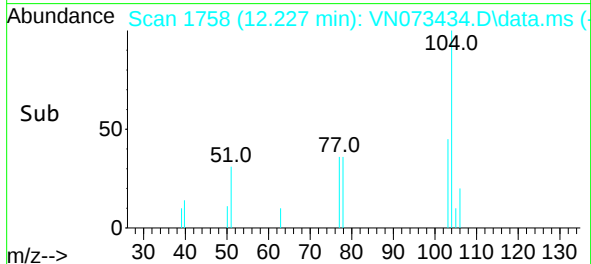
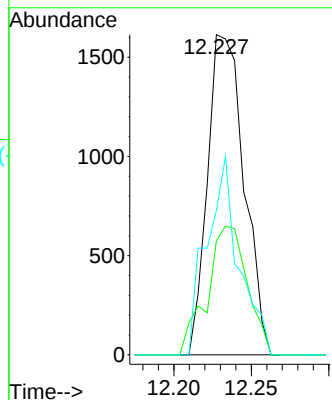
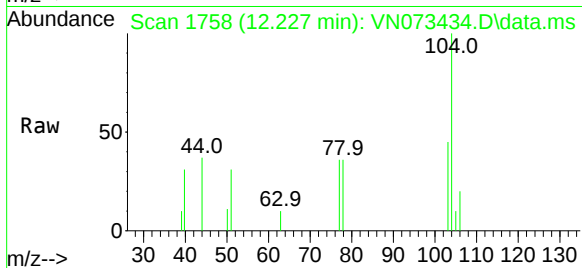




#70
Styrene
Concen: 0.250 ug/l
RT: 12.227 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

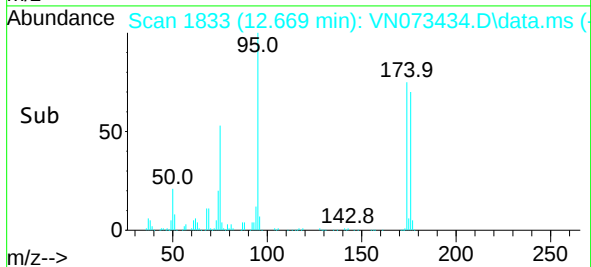
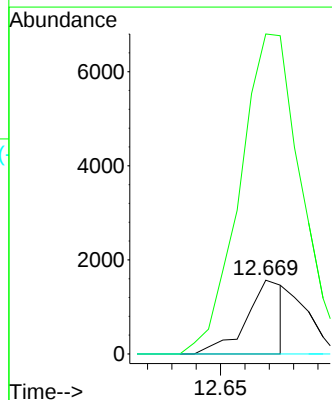
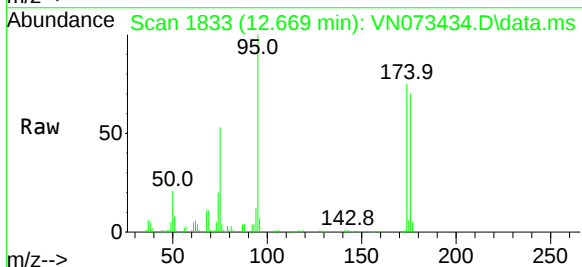
Instrument :
MSVOA_N
ClientSampleId :
IBLK

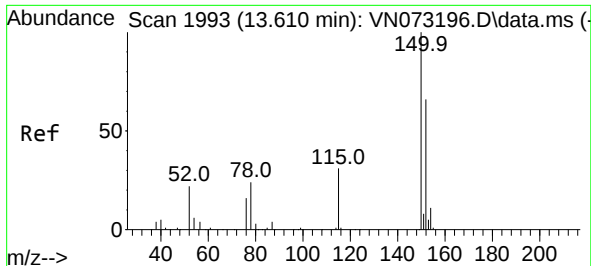
Tgt Ion:104 Resp: 2644
Ion Ratio Lower Upper
104 100
78 44.2 39.5 59.3
103 54.8 44.0 66.0



#71
Bromoform
Concen: 0.636 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion:173 Resp: 1679
Ion Ratio Lower Upper
173 100
175 519.2 24.6 73.6#
254 0.0 0.1 0.1#

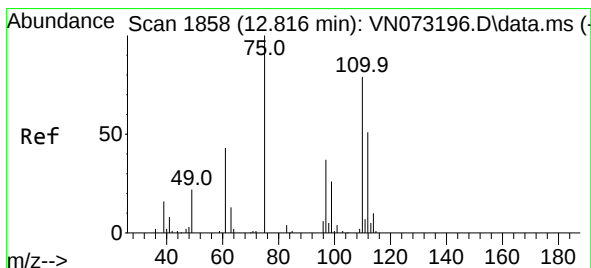
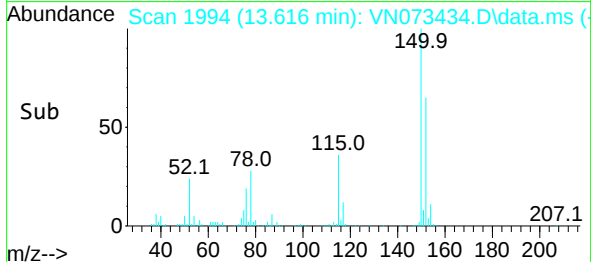
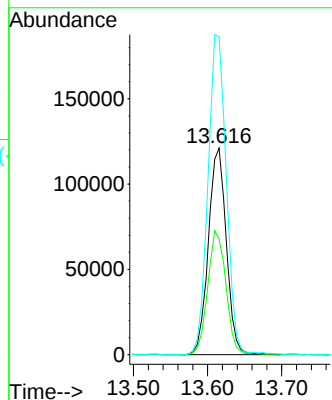
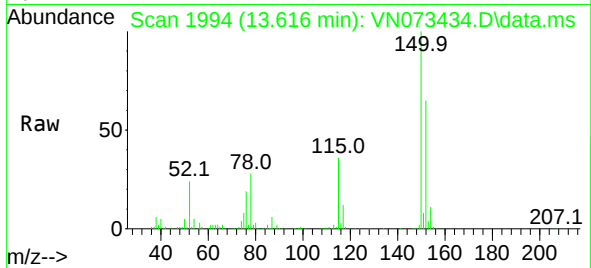




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

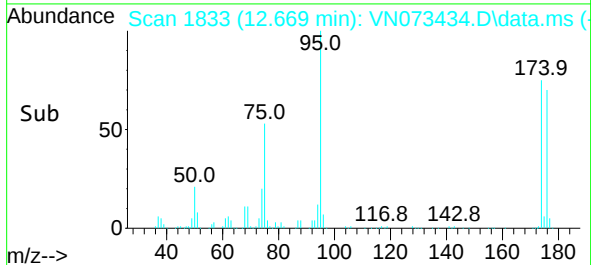
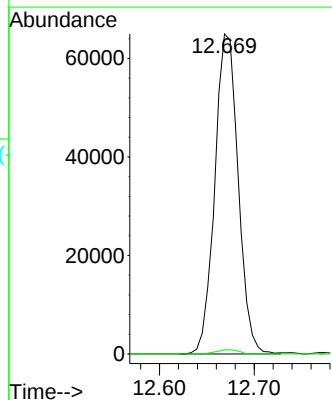
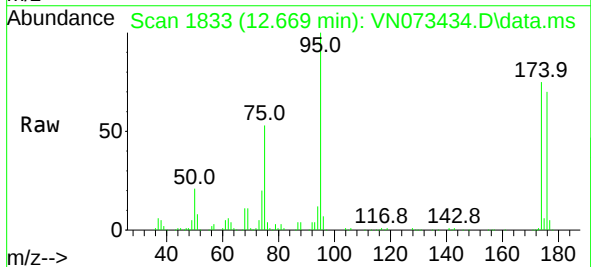
Instrument :
MSVOA_N
ClientSampleId :
IBLK

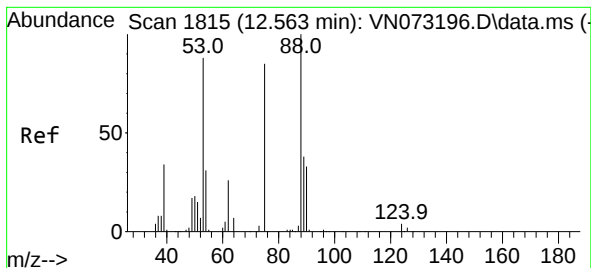
Tgt Ion:152 Resp: 204242
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.7
150 158.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 20.906 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Tgt Ion: 75 Resp: 111649
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

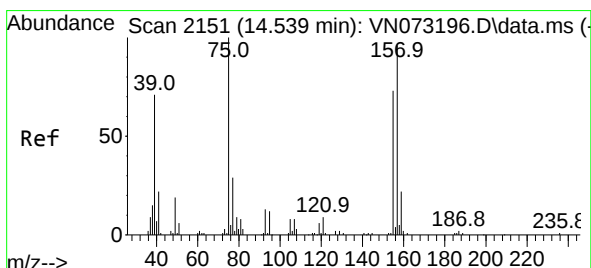
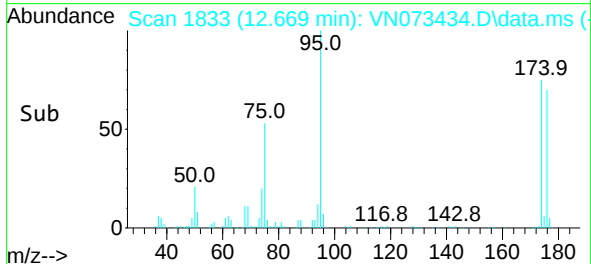
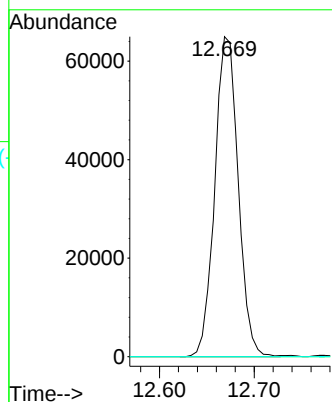
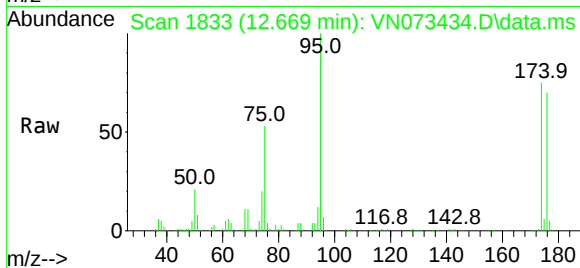




#81
trans-1,4-Dichloro-2-butene
Concen: 57.334 ug/l
RT: 12.669 min Scan# 111649
Delta R.T. 0.106 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

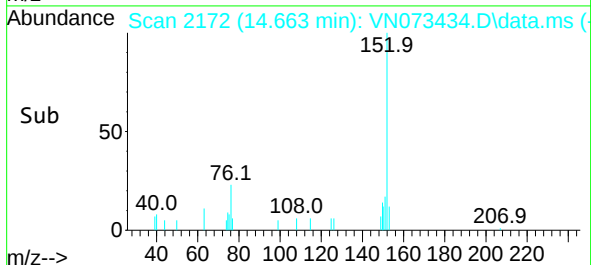
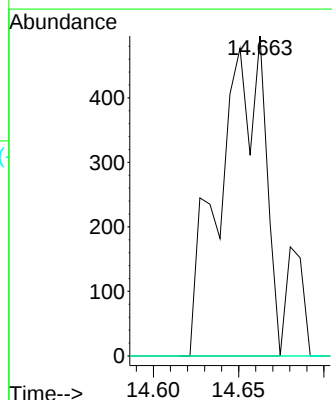
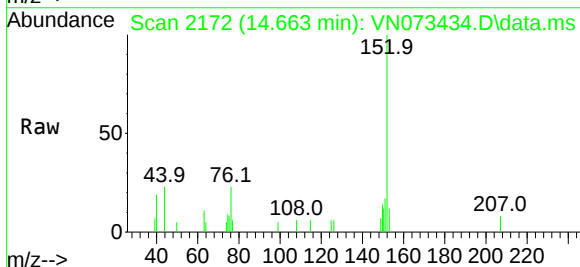
Instrument :
MSVOA_N
ClientSampleId :
IBLK

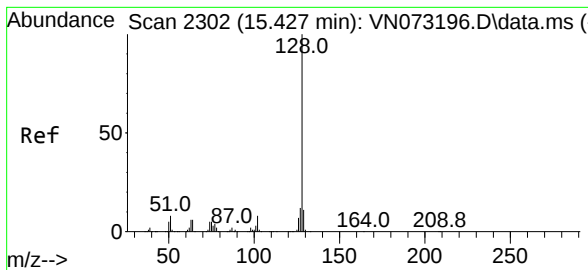
Tgt Ion: 75 Resp: 111649
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.635 ug/l
RT: 14.663 min Scan# 2172
Delta R.T. 0.124 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

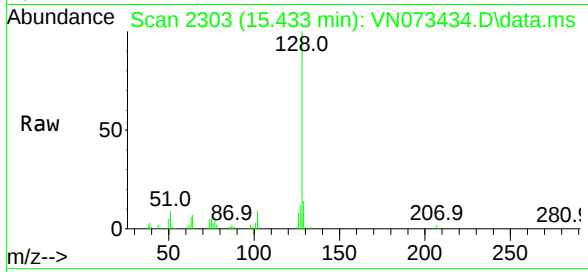
Tgt Ion: 75 Resp: 903
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 0.0 59.0 176.8#





#95
Naphthalene
Concen: 6.592 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073434.D
Acq: 12 Jul 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:128 Resp: 103767

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	12.6	8.6	13.0

