

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071443.D
 Acq On : 22 Mar 2022 02:08
 Operator : JC\MD
 Sample : N2015-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-03-17

Quant Time: Mar 22 06:30:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	784378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1327552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1241204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	422049	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	523068	48.657	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.320%
35) Dibromofluoromethane	8.016	113	391367	46.717	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.440%
50) Toluene-d8	10.439	98	1642162	48.686	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.727	95	584351	51.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.320%

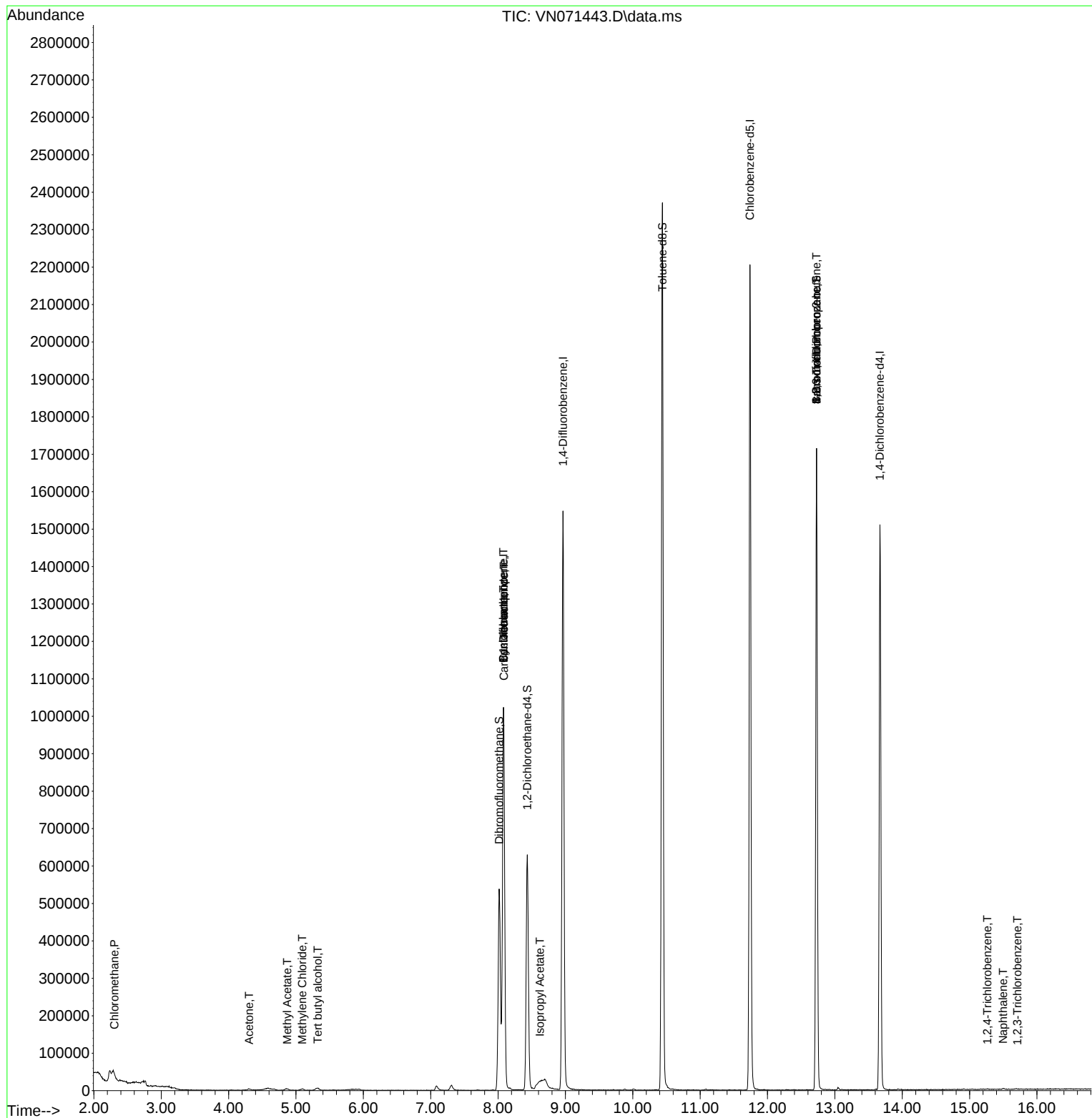
Target Compounds			Qvalue			
3) Chloromethane	2.305	50	3855	0.300 ug/l #	86	
5) Bromomethane	2.846	94	1480	Below Cal #	49	
11) Tert butyl alcohol	5.322	59	6846	3.242 ug/l #	71	
16) Acetone	4.304	43	2756	0.527 ug/l	90	
18) Methyl Acetate	4.869	43	9909	1.169 ug/l #	80	
20) Methylene Chloride	5.093	84	2937	0.687 ug/l #	74	
31) Cyclohexane	8.081	56	16843	0.981 ug/l #	1	
36) 1,1-Dichloropropene	8.081	75	61999	4.619 ug/l #	49	
38) Carbon Tetrachloride	8.086	117	77498	5.969 ug/l #	17	
43) Isopropyl Acetate	8.622	43	27860	1.009 ug/l #	55	
71) Bromoform	12.727	173	3385	0.456 ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.821	83	122	Below Cal #	25	
76) 1,2,3-Trichloropropane	12.727	75	305604	28.672 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.727	75	305604	78.274 ug/l #	5	
93) 1,2,4-Trichlorobenzene	15.262	180	586	3.069 ug/l	94	
95) Naphthalene	15.498	128	2743	5.195 ug/l #	76	
96) 1,2,3-Trichlorobenzene	15.710	180	882	2.858 ug/l #	89	

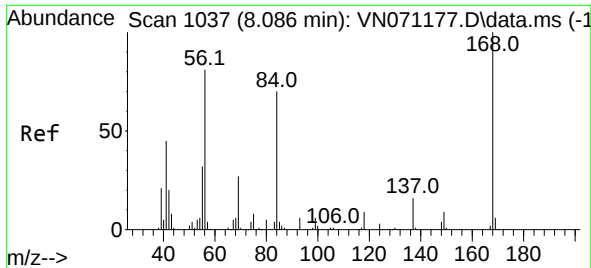
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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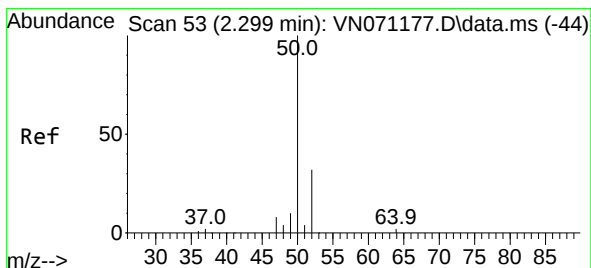
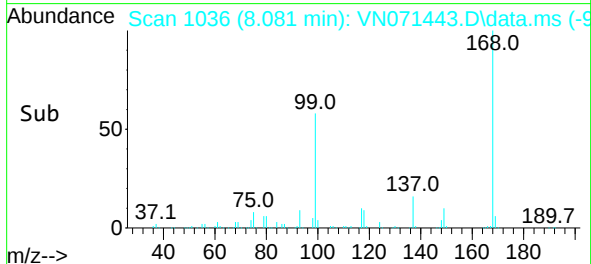
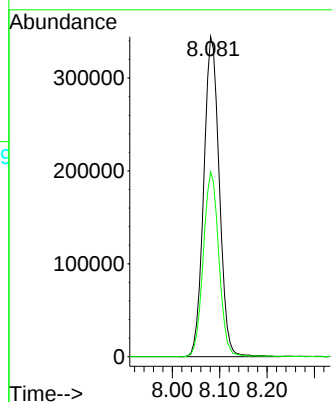
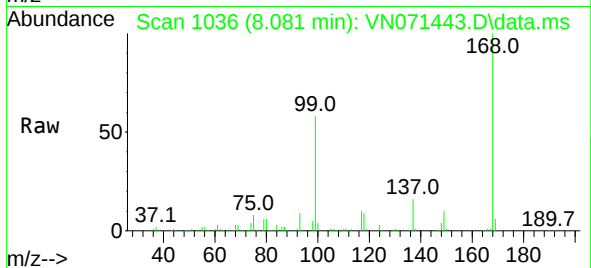




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

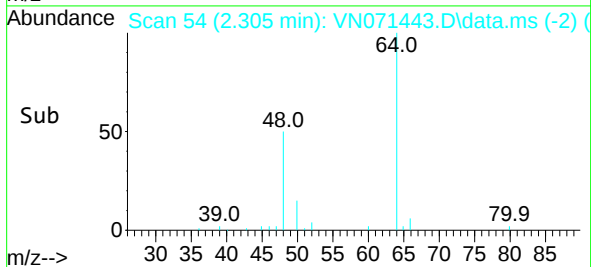
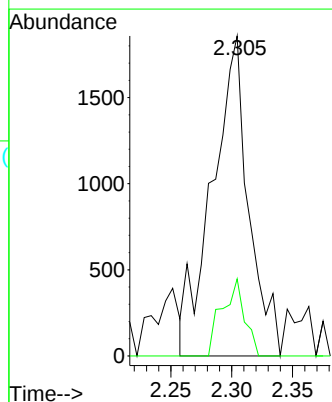
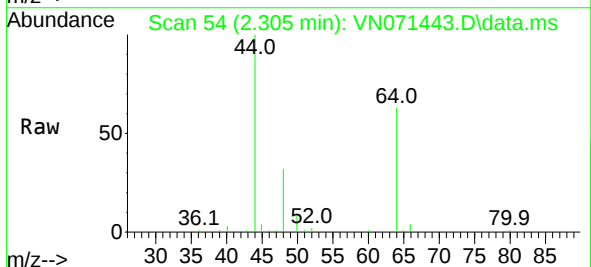
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-03-17

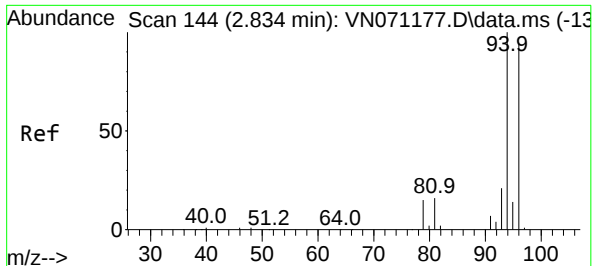
Tgt Ion:168 Resp: 784378
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion: 50 Resp: 3855
Ion Ratio Lower Upper
50 100
52 24.1 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.846 min Scan# 14

Delta R.T. 0.012 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

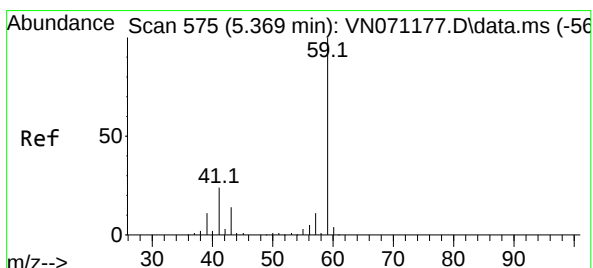
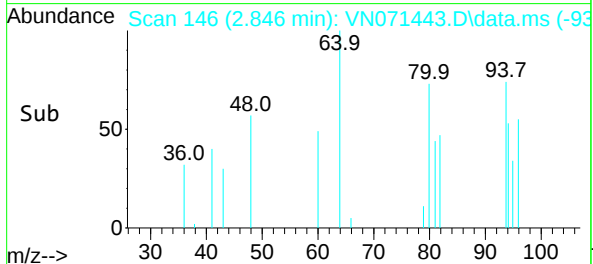
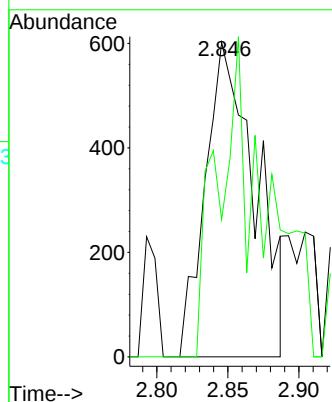
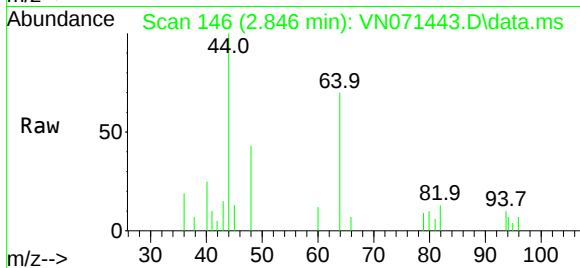
TB-2022-03-17

Tgt Ion: 94 Resp: 1480

Ion Ratio Lower Upper

94 100

96 43.7 73.8 110.8#



#11

Tert butyl alcohol

Concen: 3.242 ug/l

RT: 5.322 min Scan# 567

Delta R.T. -0.047 min

Lab File: VN071443.D

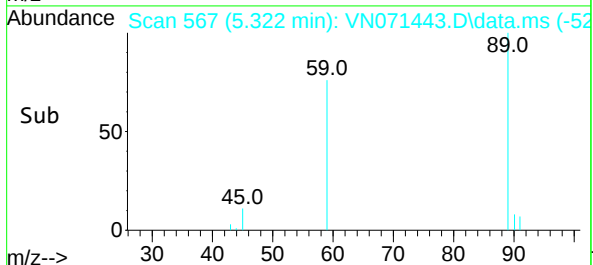
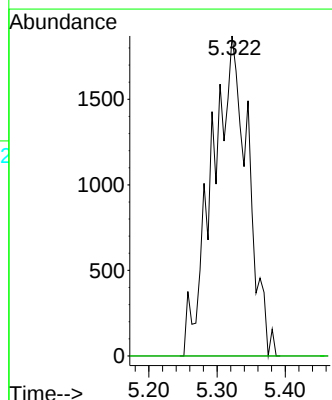
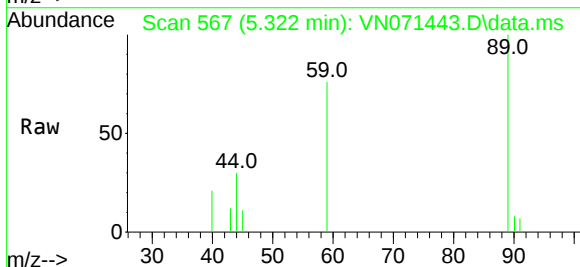
Acq: 22 Mar 2022 02:08

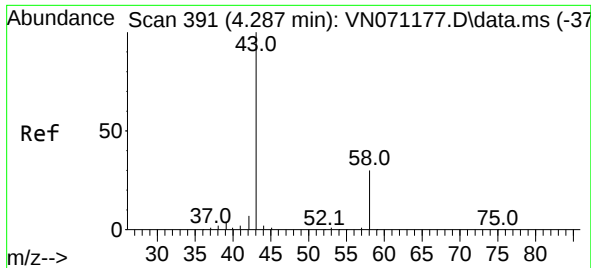
Tgt Ion: 59 Resp: 6846

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#





#16

Acetone

Concen: 0.527 ug/l

RT: 4.304 min Scan# 391

Delta R.T. 0.018 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

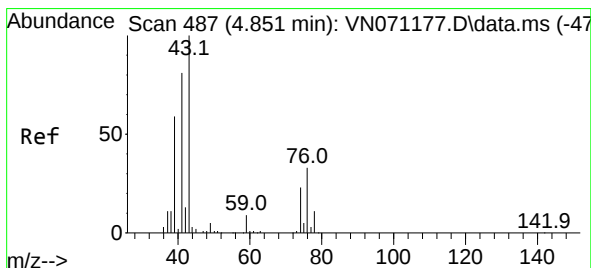
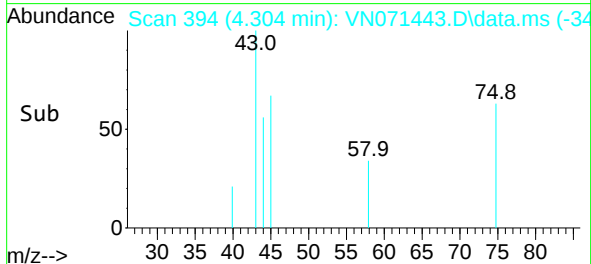
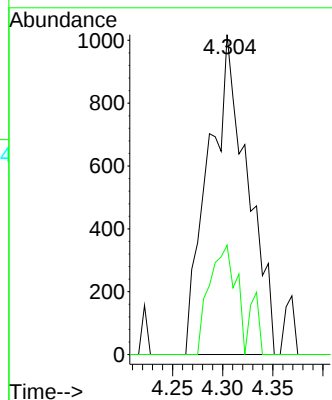
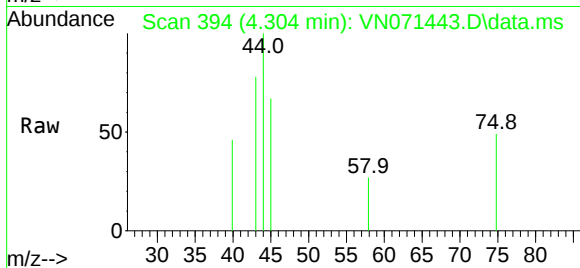
TB-2022-03-17

Tgt Ion: 43 Resp: 2756

Ion Ratio Lower Upper

43 100

58 34.2 23.1 34.7



#18

Methyl Acetate

Concen: 1.169 ug/l

RT: 4.869 min Scan# 490

Delta R.T. 0.018 min

Lab File: VN071443.D

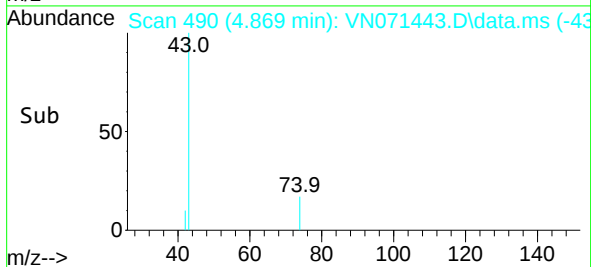
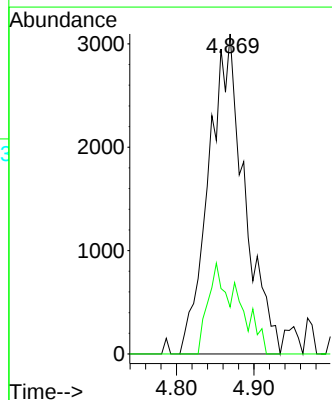
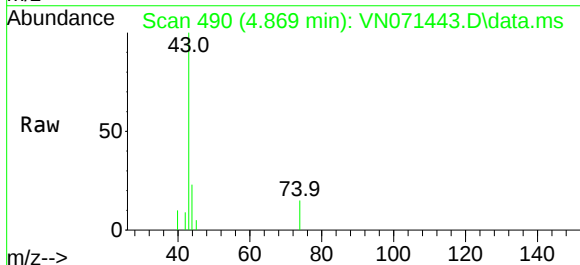
Acq: 22 Mar 2022 02:08

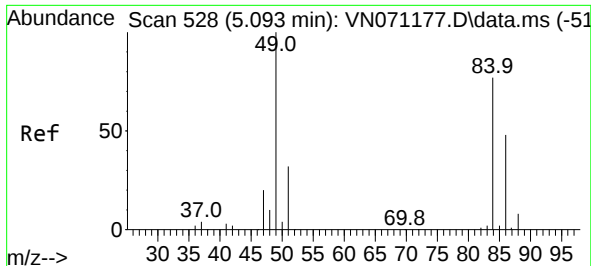
Tgt Ion: 43 Resp: 9909

Ion Ratio Lower Upper

43 100

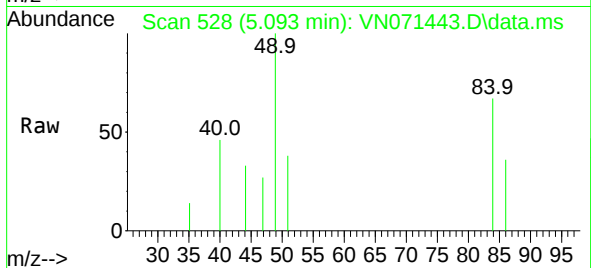
74 14.3 19.4 29.2#





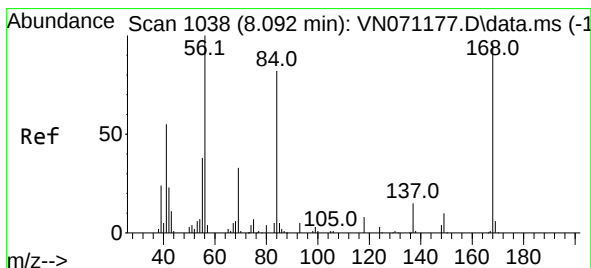
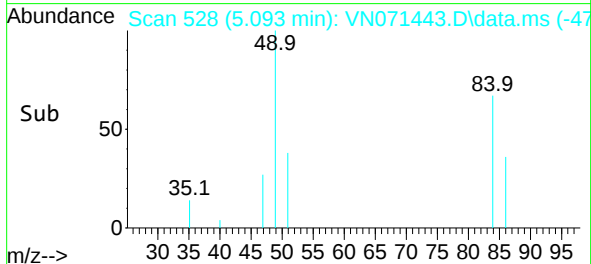
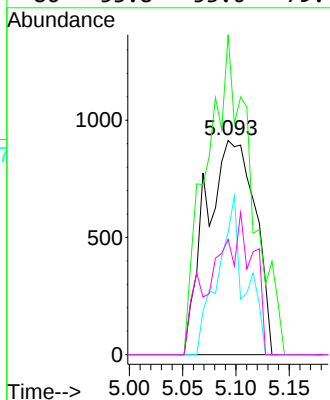
#20
Methylene Chloride
Concen: 0.687 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-03-17



Tgt Ion: 84 Resp: 2937

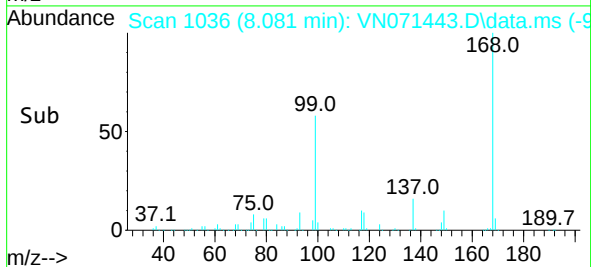
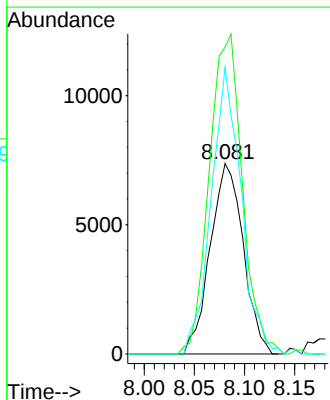
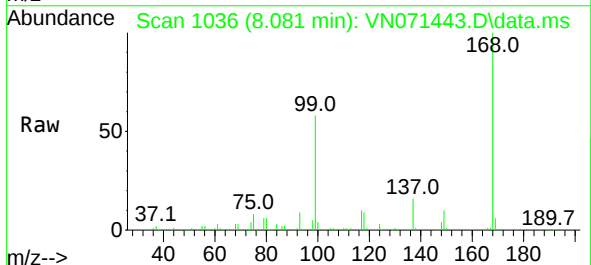
Ion	Ratio	Lower	Upper
84	100		
49	149.3	93.5	140.3#
51	57.0	29.4	44.2#
86	53.8	53.0	79.4

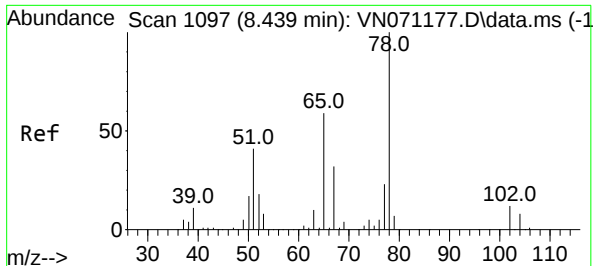


#31
Cyclohexane
Concen: 0.981 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion: 56 Resp: 16843

Ion	Ratio	Lower	Upper
56	100		
69	161.2	27.1	40.7#
84	150.6	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.657 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

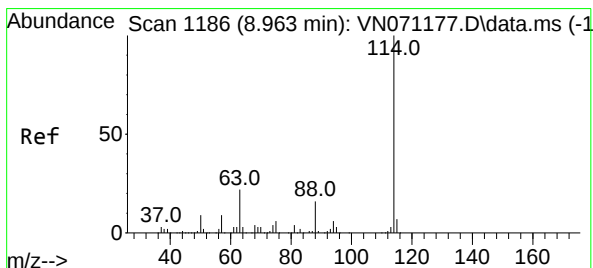
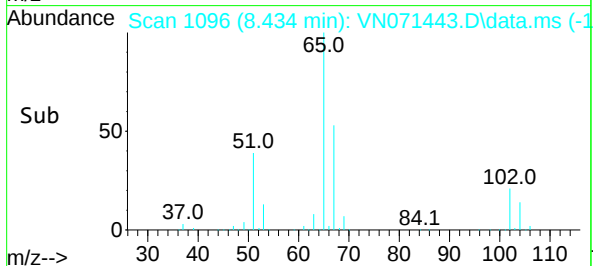
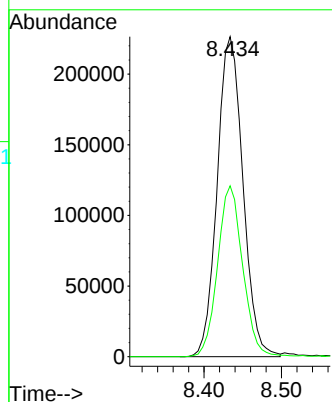
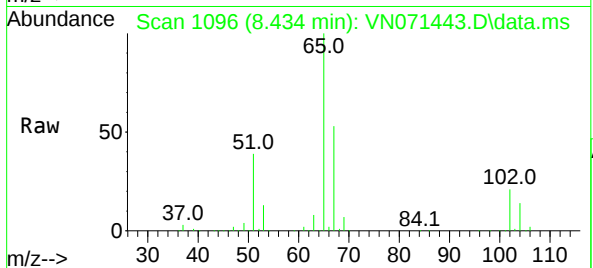
TB-2022-03-17

Tgt Ion: 65 Resp: 523068

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

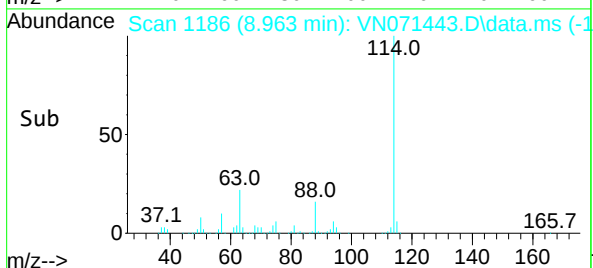
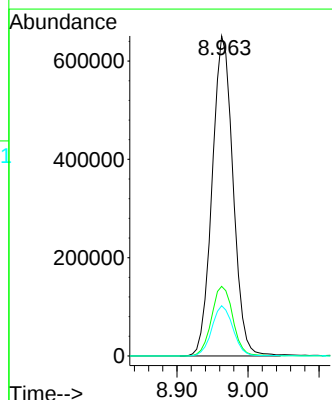
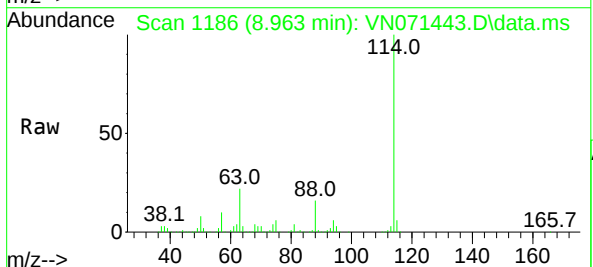
Tgt Ion: 114 Resp: 1327552

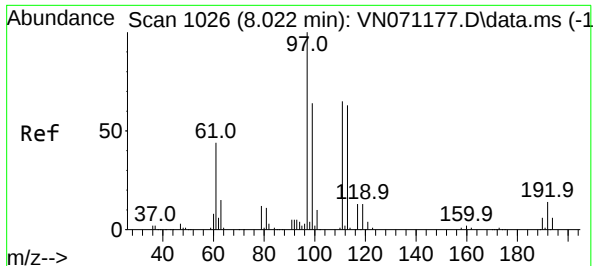
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.717 ug/l

RT: 8.016 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-03-17

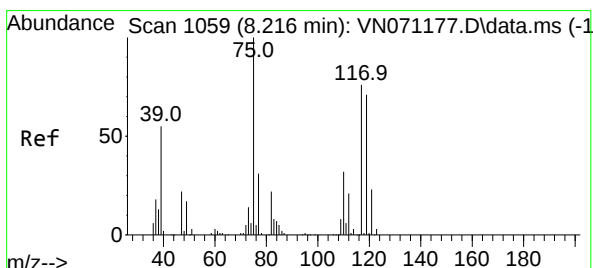
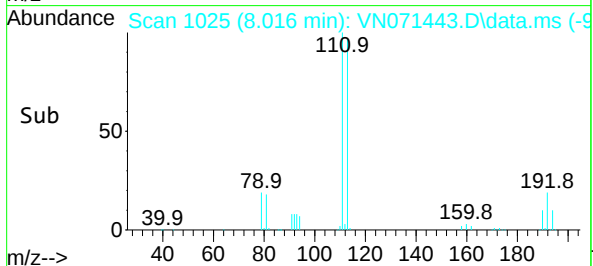
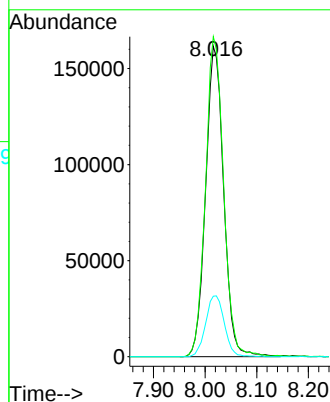
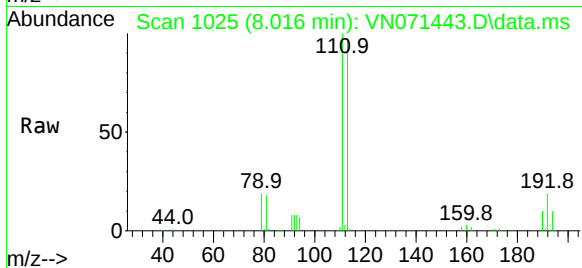
Tgt Ion:113 Resp: 391367

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

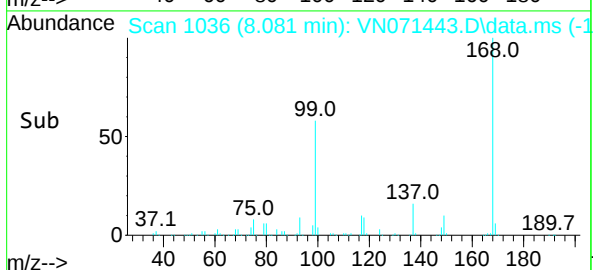
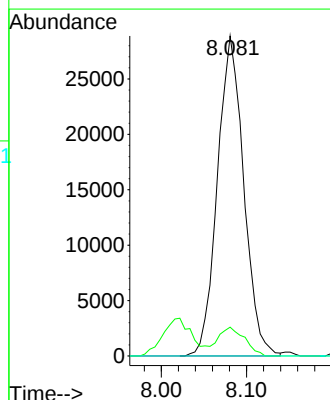
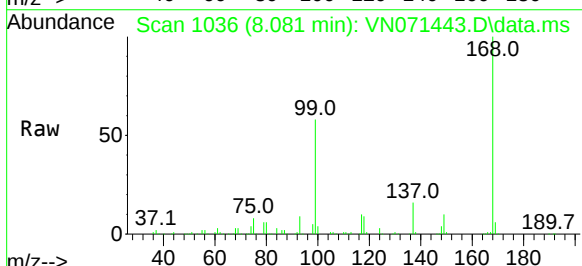
Tgt Ion: 75 Resp: 61999

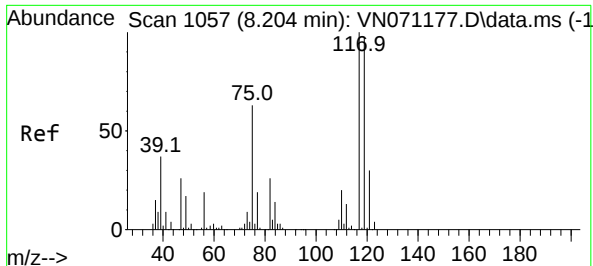
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

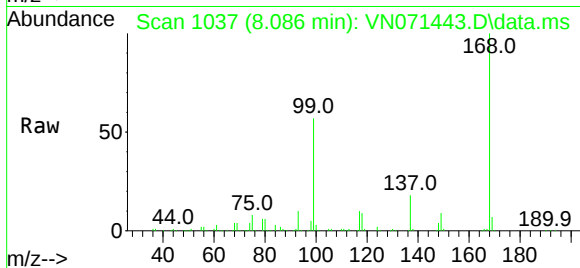
77 0.0 24.4 36.6#



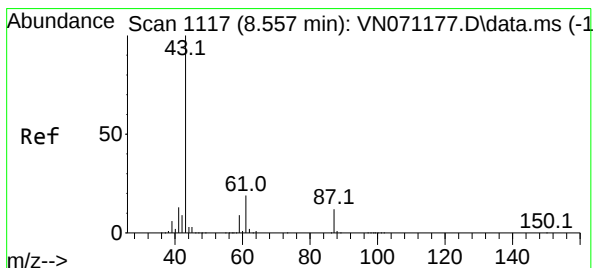
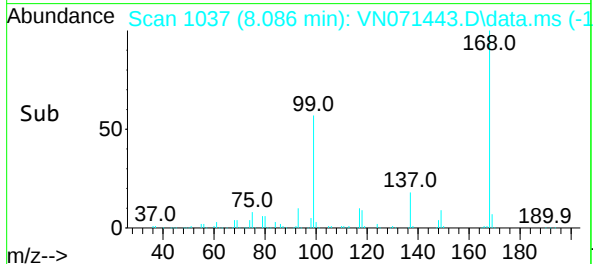
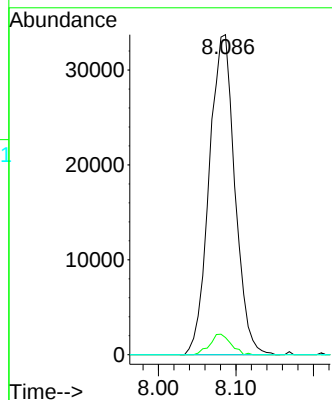


#38
Carbon Tetrachloride
Concen: 5.969 ug/l
RT: 8.086 min Scan# 1117
Delta R.T. -0.118 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-03-17

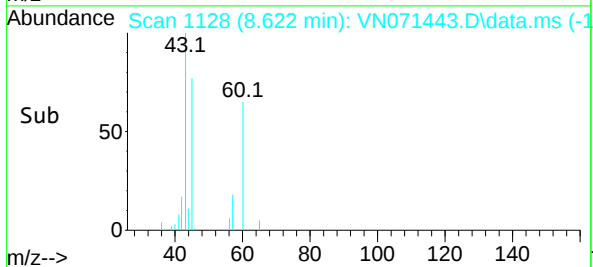
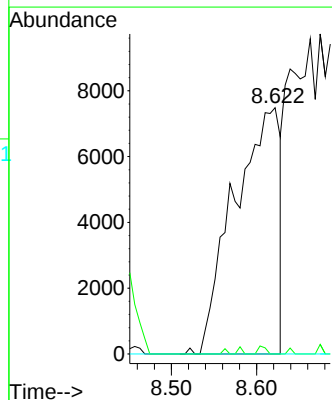
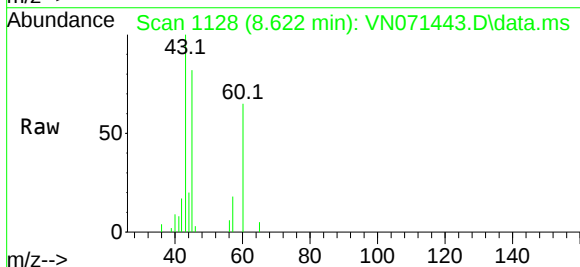


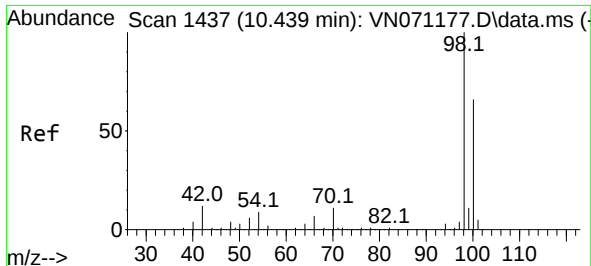
Tgt Ion:117 Resp: 77498
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.009 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.065 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion: 43 Resp: 27860
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

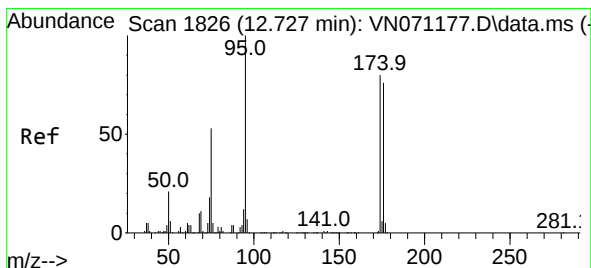
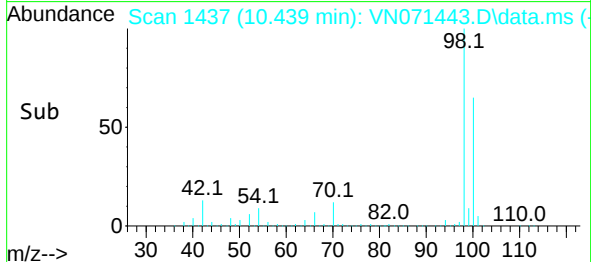
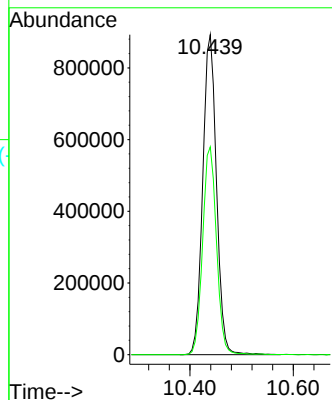
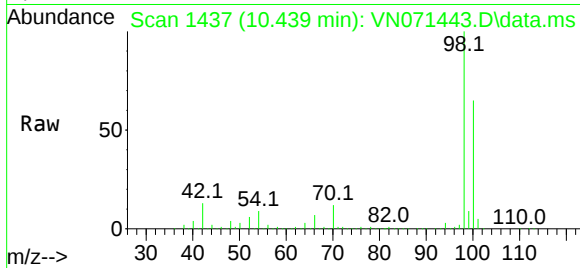




#50
Toluene-d8
Concen: 48.686 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

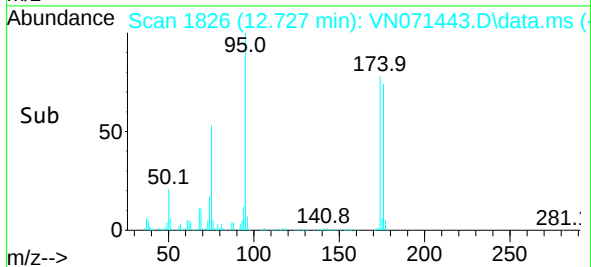
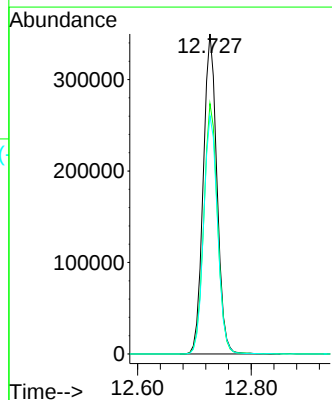
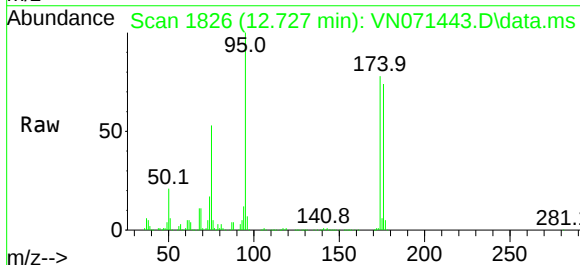
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-03-17

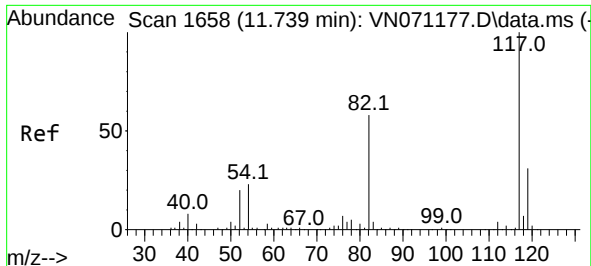
Tgt Ion: 98 Resp: 1642162
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 51.162 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion: 95 Resp: 584351
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 75.6 0.0 181.4

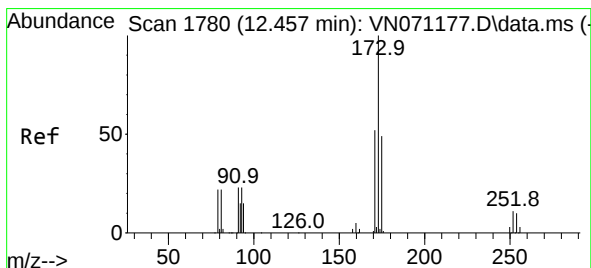
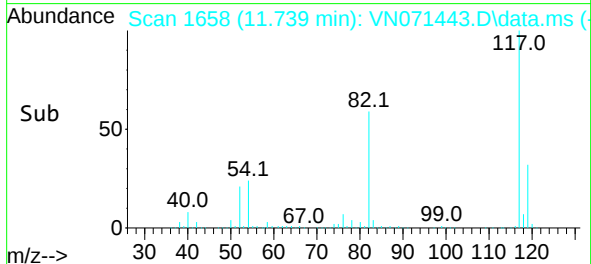
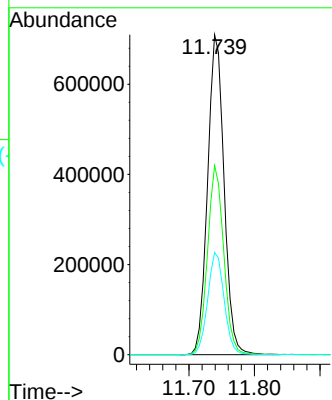
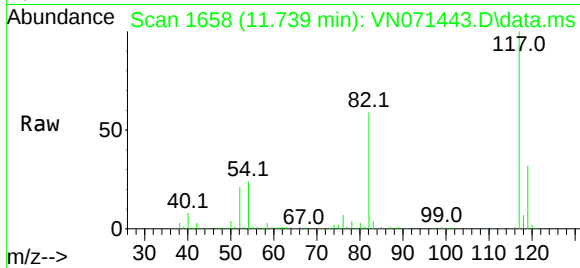




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

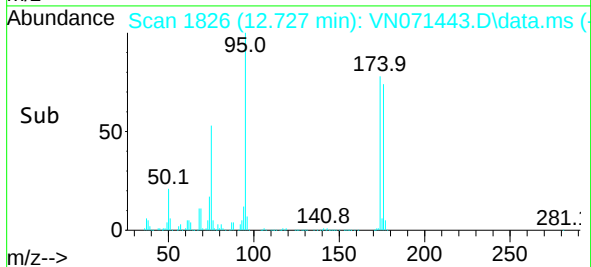
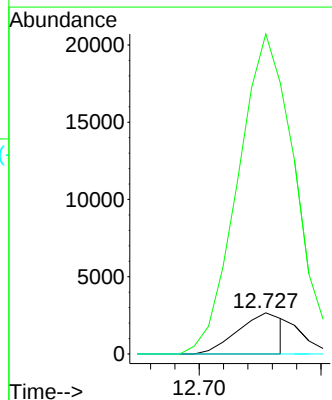
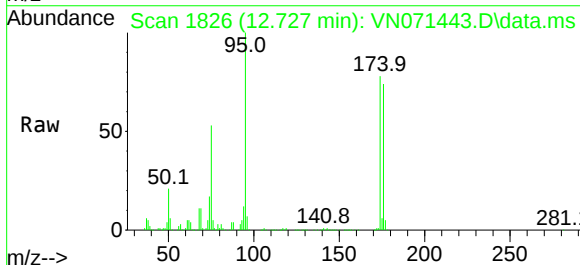
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-03-17

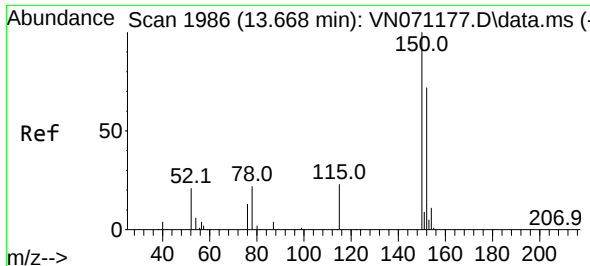
Tgt Ion:117 Resp: 1241204
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.456 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion:173 Resp: 3385
Ion Ratio Lower Upper
173 100
175 776.2 24.2 72.6#
254 0.0 0.0 0.0

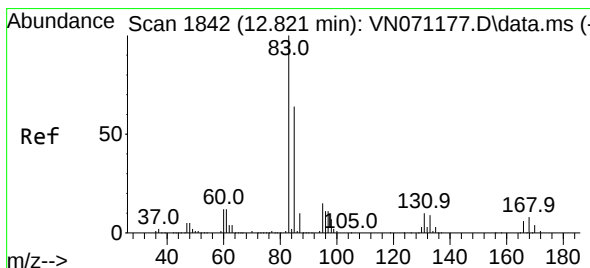
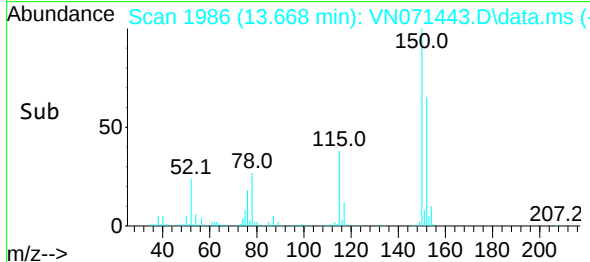
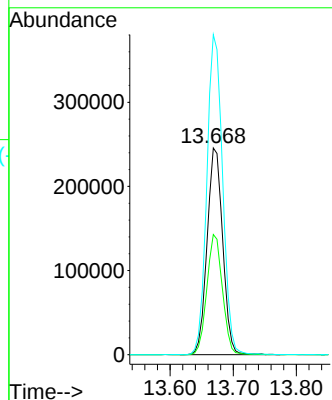
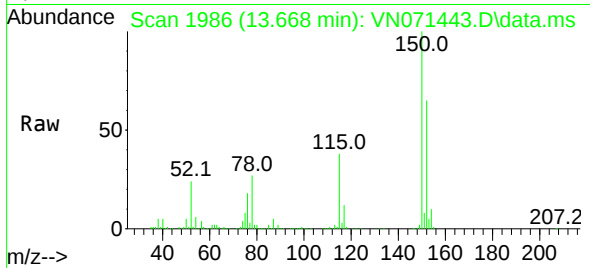




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071443.D
 Acq: 22 Mar 2022 02:08

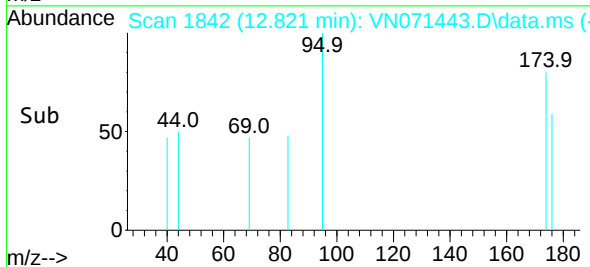
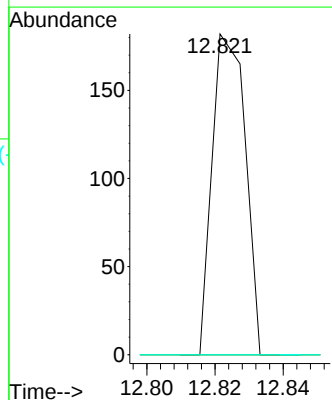
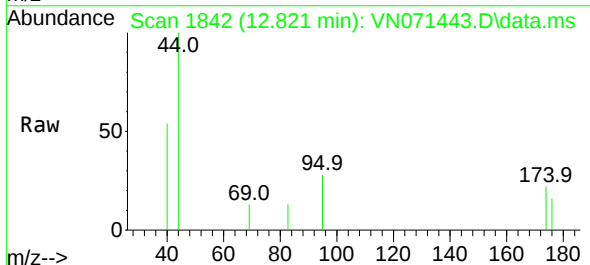
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-03-17

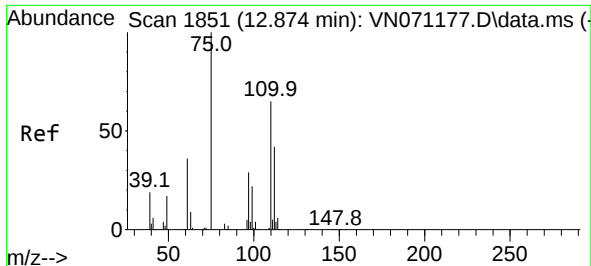
Tgt Ion:152 Resp: 422049
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.5 82.5
 150 156.5 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: VN071443.D
 Acq: 22 Mar 2022 02:08

Tgt Ion: 83 Resp: 122
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

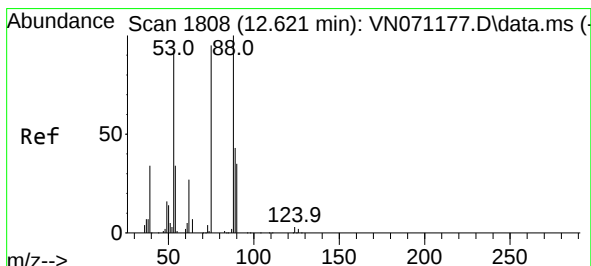
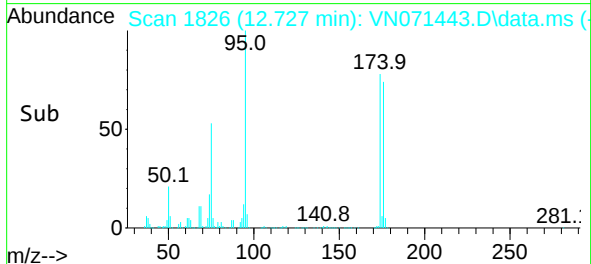
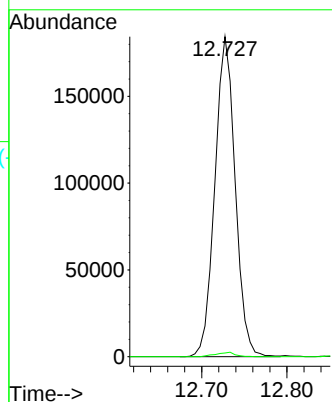
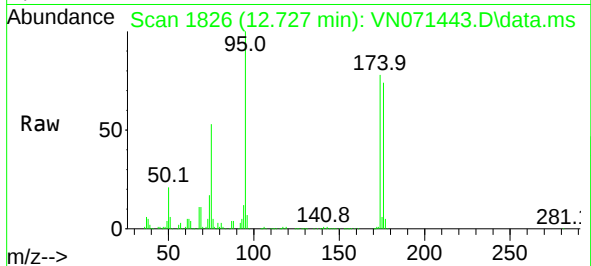




#76
1,2,3-Trichloropropane
Concen: 28.672 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

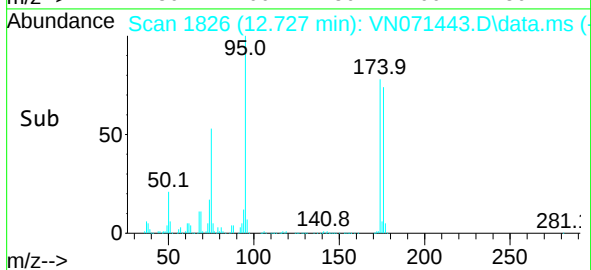
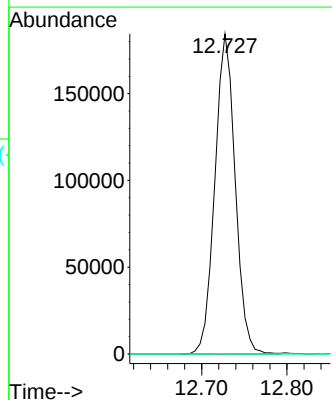
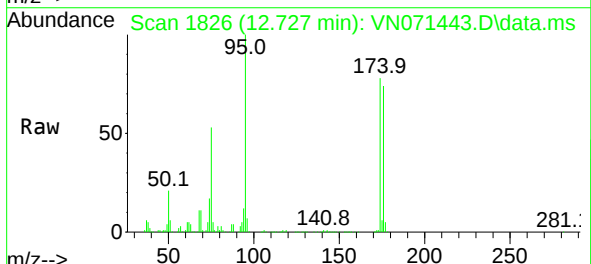
Instrument : MSVOA_N
ClientSampleId : TB-2022-03-17

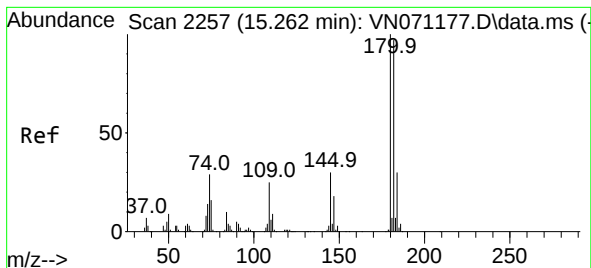
Tgt Ion: 75 Resp: 305604
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.274 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071443.D
Acq: 22 Mar 2022 02:08

Tgt Ion: 75 Resp: 305604
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.069 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-03-17

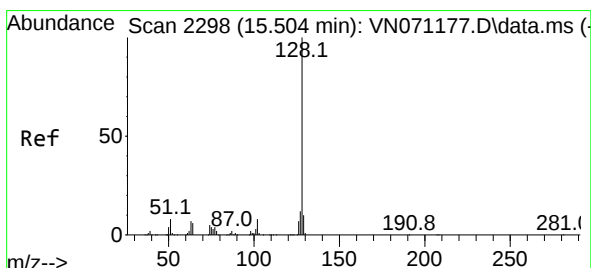
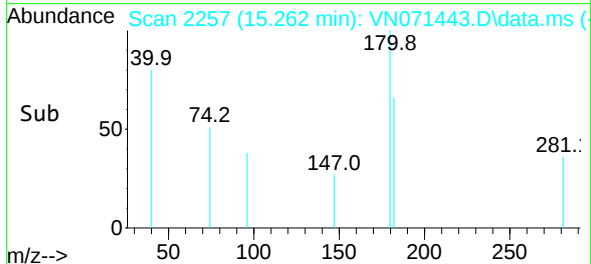
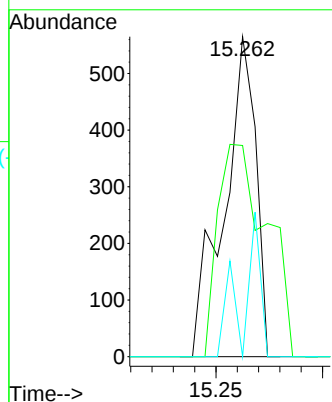
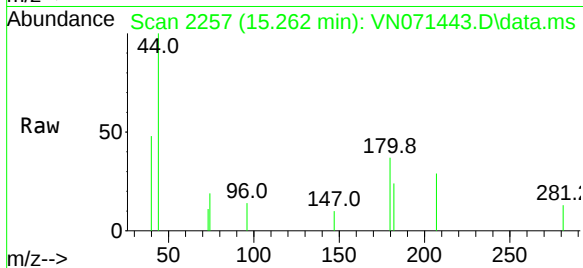
Tgt Ion:180 Resp: 586

Ion Ratio Lower Upper

180 100

182 101.9 48.3 144.9

145 25.6 14.5 43.5



#95

Naphthalene

Concen: 5.195 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VN071443.D

Acq: 22 Mar 2022 02:08

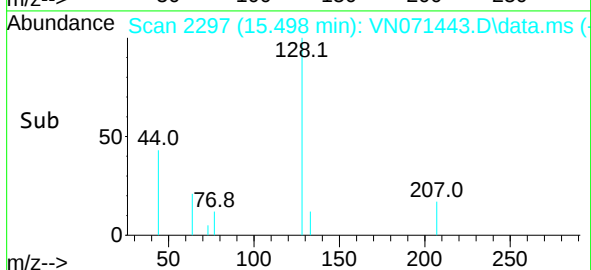
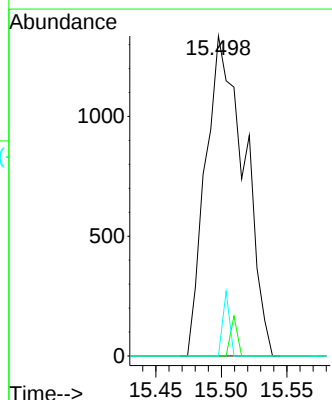
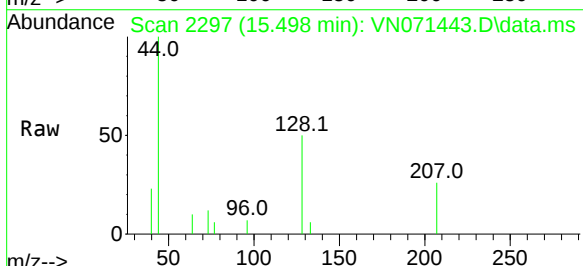
Tgt Ion:128 Resp: 2743

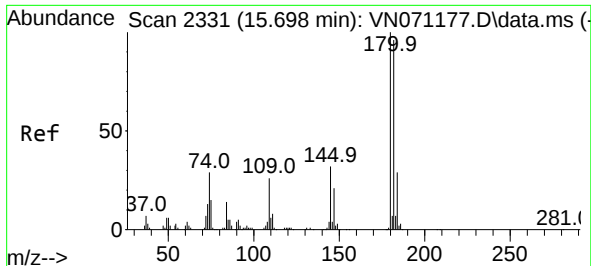
Ion Ratio Lower Upper

128 100

127 2.2 10.5 15.7#

129 3.5 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.858 ug/l

RT: 15.710 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN071443.D

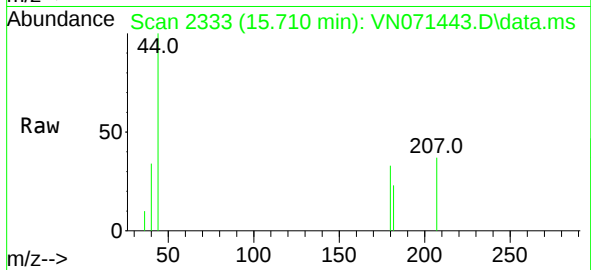
Acq: 22 Mar 2022 02:08

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 882

Ion Ratio Lower Upper

180 100

182 91.0 47.4 142.2

145 12.7 15.0 45.1#

