

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071452.D
 Acq On : 22 Mar 2022 05:45
 Operator : JC\MD
 Sample : N2017-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Mar 22 06:33:39 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	8.086	168	750701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1287108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1214975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	429090	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	494488	48.062	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.120%
35) Dibromofluoromethane	8.016	113	371148	45.696	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.400%
50) Toluene-d8	10.439	98	1585522	48.484	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.727	95	575267	51.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.900%

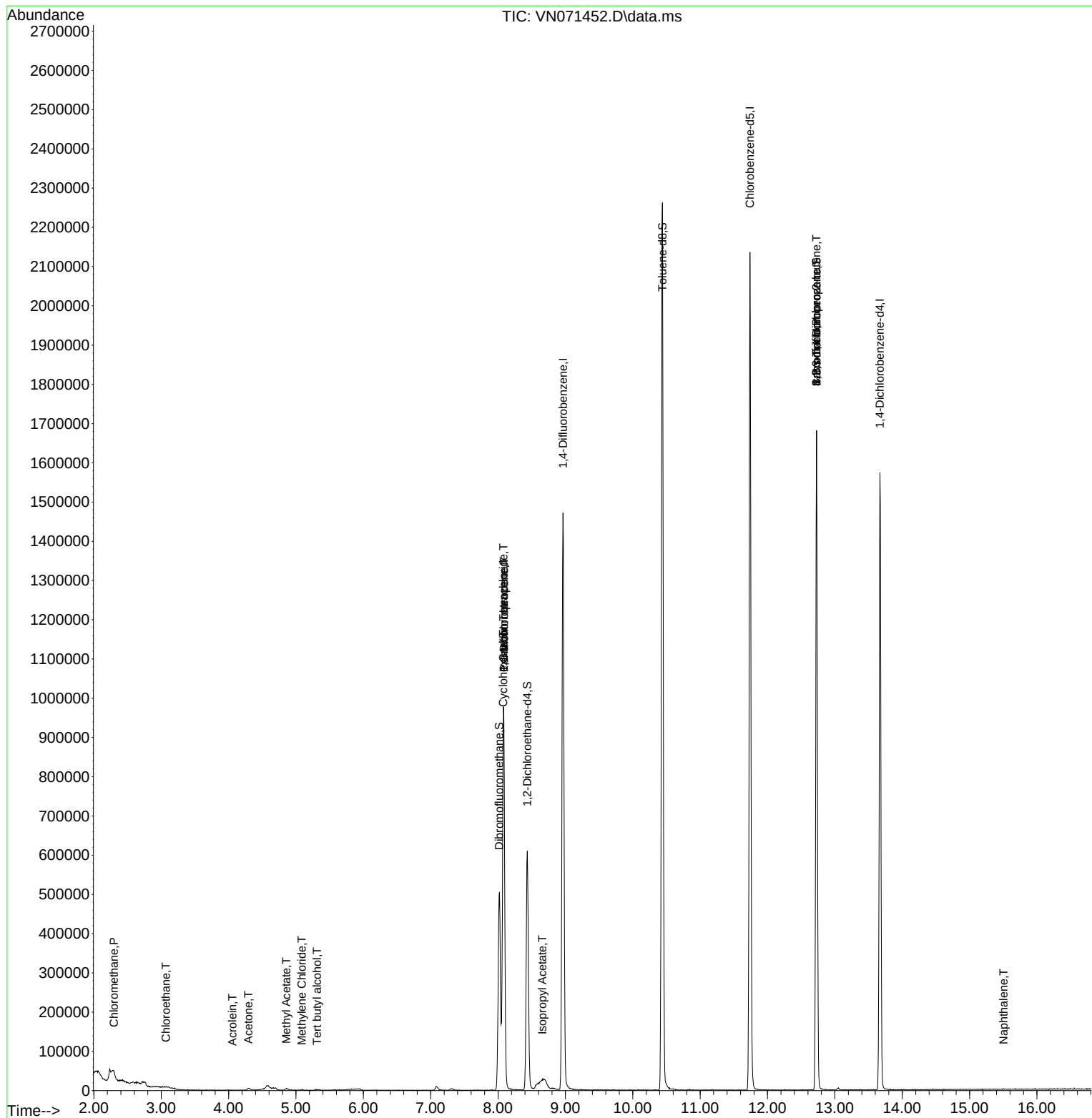
Target Compounds			Qvalue			
3) Chloromethane	2.299	50	5639	0.476	ug/l	97
5) Bromomethane	2.852	94	873	Below Cal	#	60
6) Chloroethane	3.069	64	7387	1.210	ug/l	# 42
11) Tert butyl alcohol	5.310	59	1953	0.966	ug/l	# 71
13) Acrolein	4.057	56	469	0.219	ug/l	# 35
16) Acetone	4.293	43	6922	1.383	ug/l	# 85
18) Methyl Acetate	4.857	43	9257	1.152	ug/l	91
20) Methylene Chloride	5.087	84	757	0.464	ug/l	# 57
31) Cyclohexane	8.075	56	15804	0.962	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	60917	4.681	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	74039	5.882	ug/l	# 16
43) Isopropyl Acetate	8.657	43	47147	1.760	ug/l	# 56
71) Bromoform	12.727	173	3179	0.438	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.721	83	336	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	297380	27.315	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	297380	74.918	ug/l	# 5
95) Naphthalene	15.504	128	738	5.101	ug/l	# 69

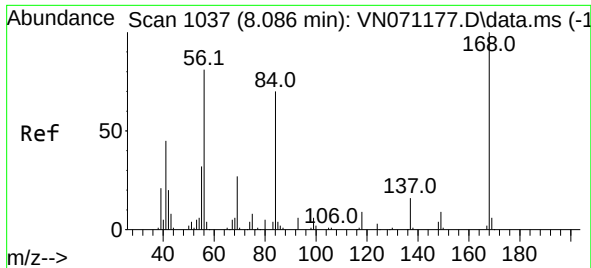
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

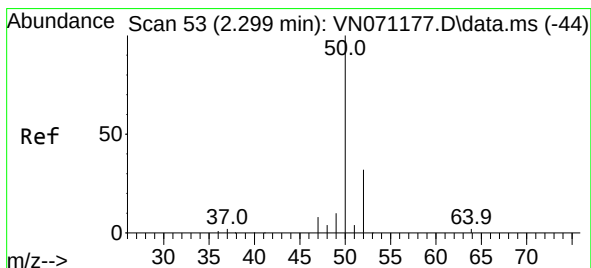
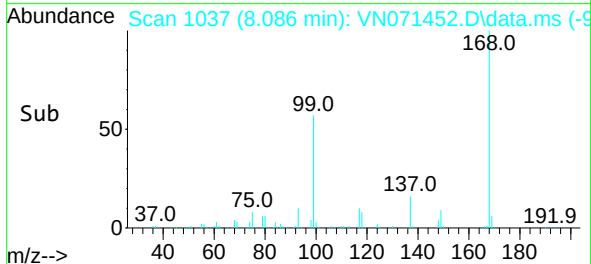
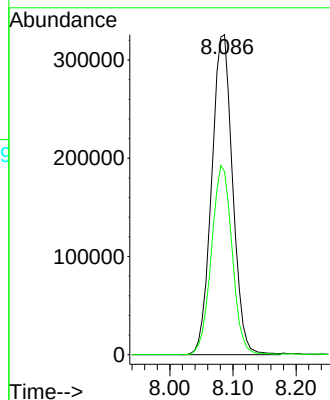
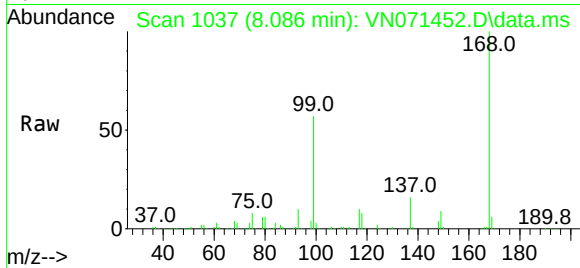




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

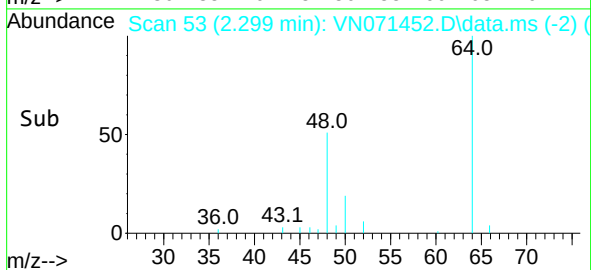
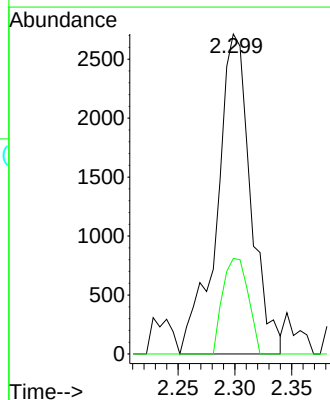
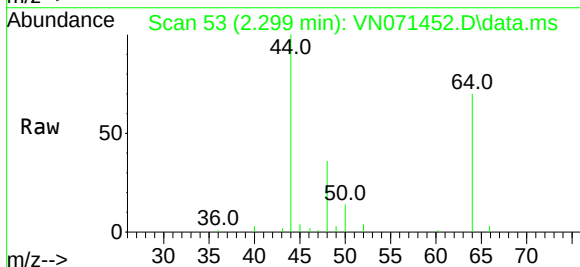
Instrument :
MSVOA_N
ClientSampleId :
TB

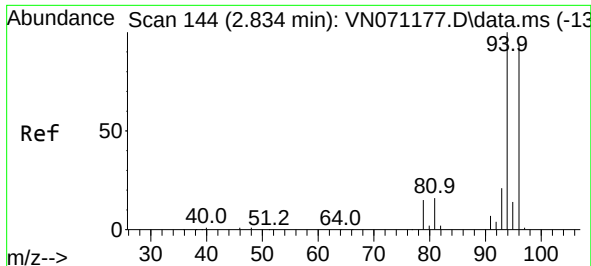
Tgt Ion:168 Resp: 750701
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#3
Chloromethane
Concen: 0.476 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 50 Resp: 5639
Ion Ratio Lower Upper
50 100
52 29.9 25.4 38.0

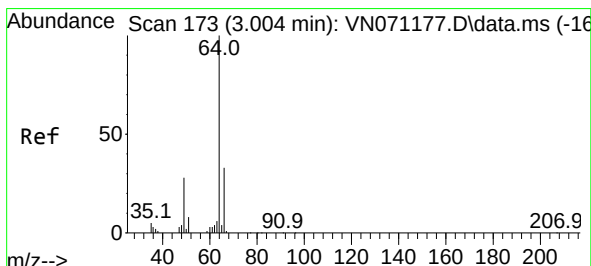
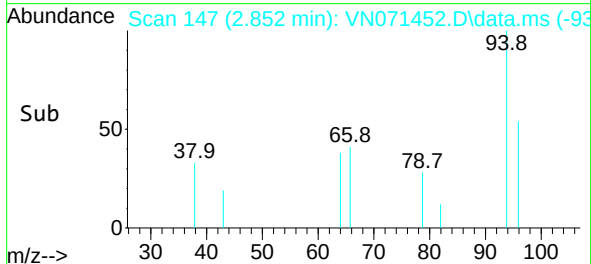
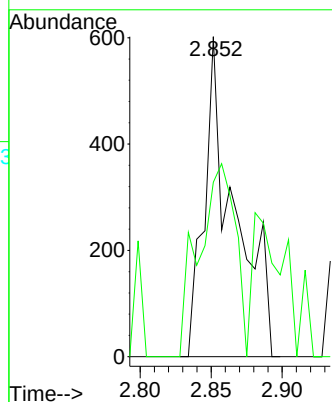
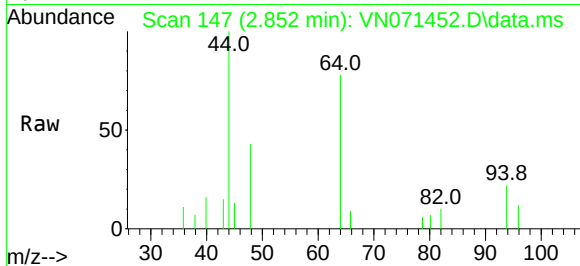




#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 144
Delta R.T. 0.018 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

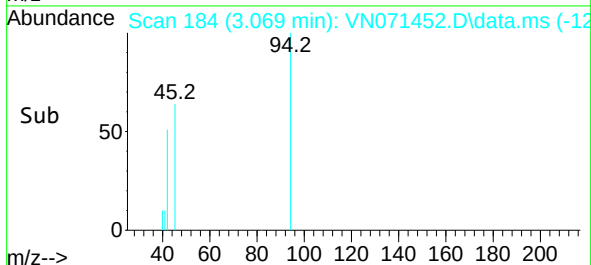
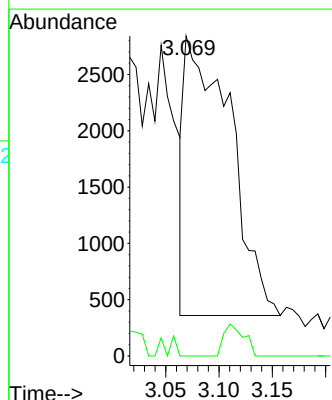
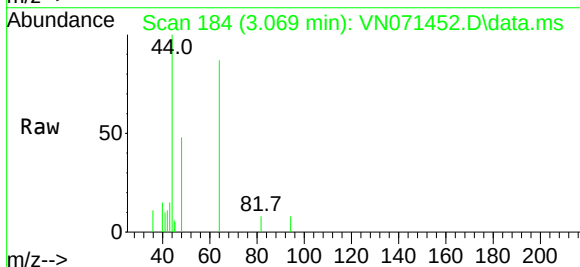
Instrument :
MSVOA_N
ClientSampleId :
TB

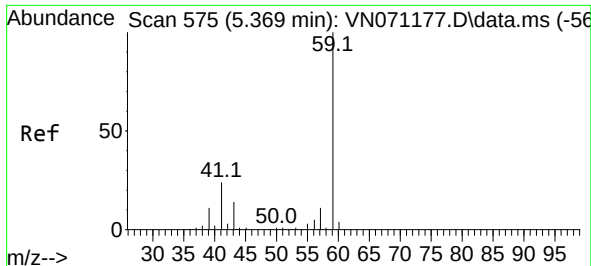
Tgt Ion: 94 Resp: 873
Ion Ratio Lower Upper
94 100
96 54.5 73.8 110.8#



#6
Chloroethane
Concen: 1.210 ug/l
RT: 3.069 min Scan# 184
Delta R.T. 0.065 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 64 Resp: 7387
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

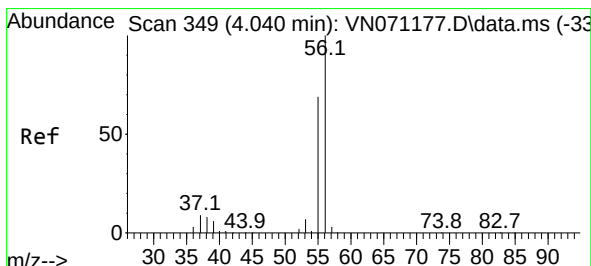
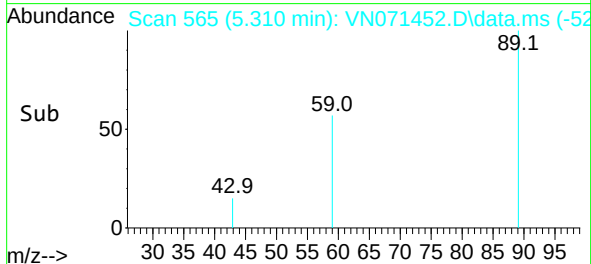
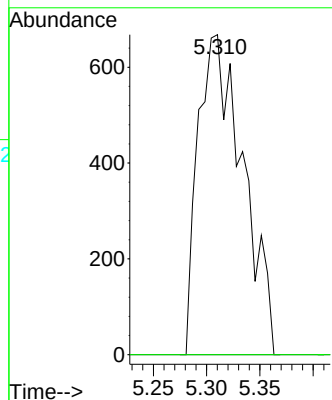
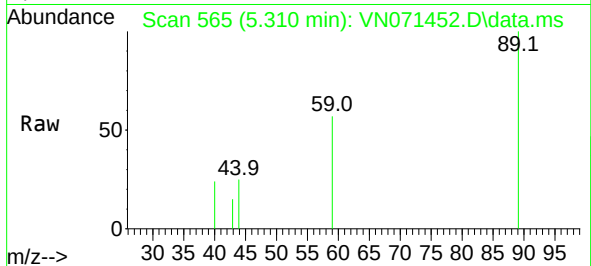




#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 5.310 min Scan# 509
Delta R.T. -0.059 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

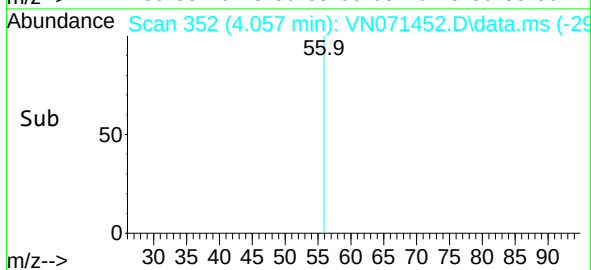
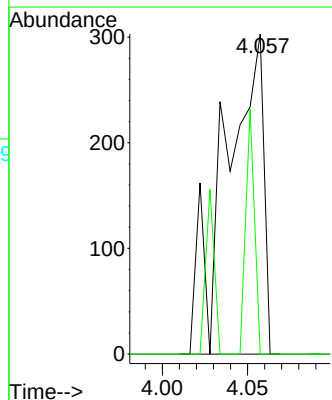
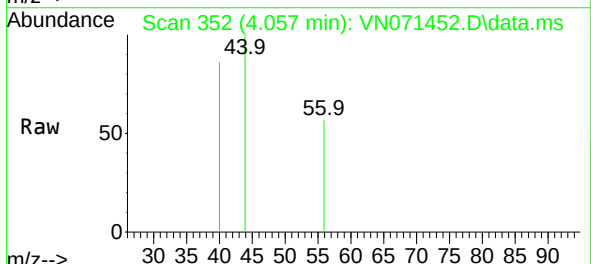
Instrument :
MSVOA_N
ClientSampleId :
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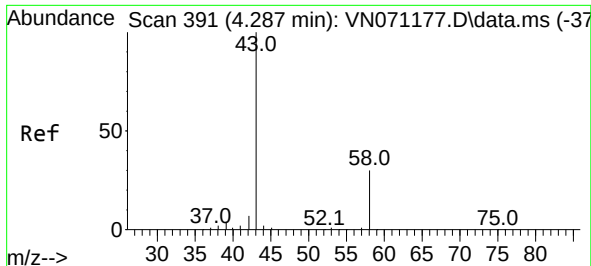
Tgt Ion: 59 Resp: 1953
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.219 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.018 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
55 17.5 56.6 85.0#

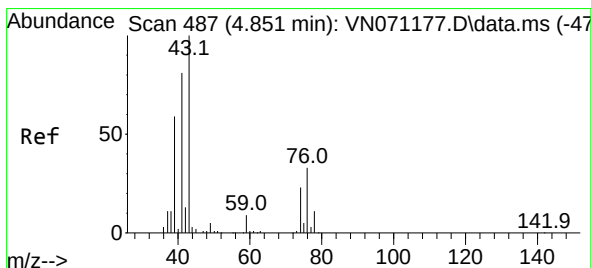
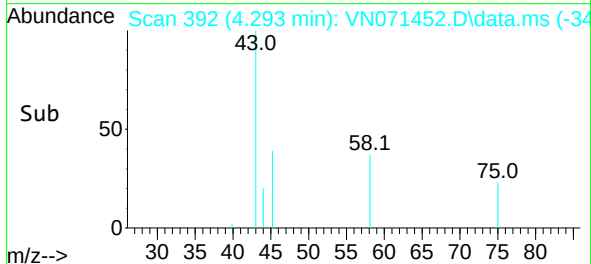
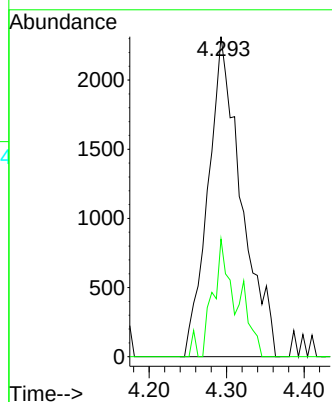
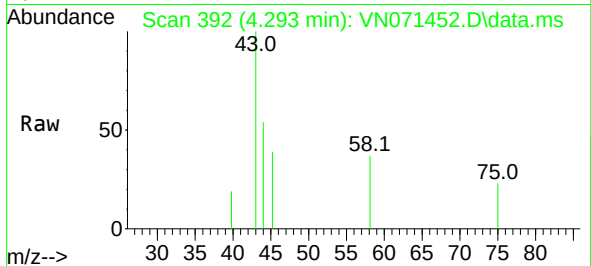




#16
Acetone
Concen: 1.383 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

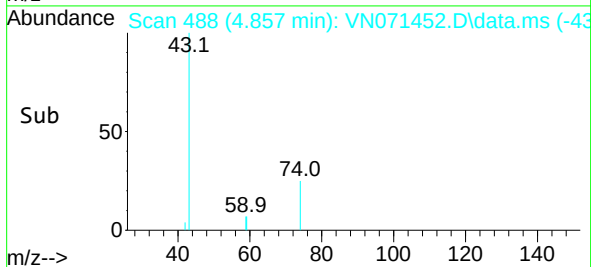
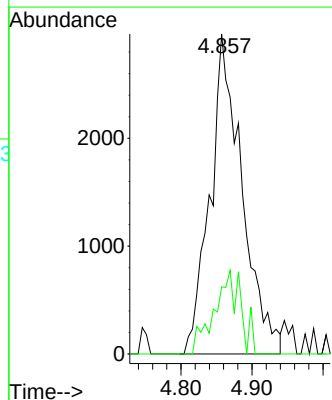
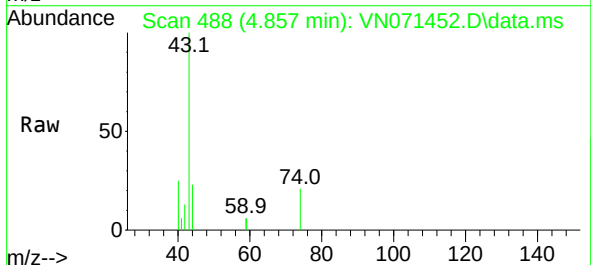
Instrument :
MSVOA_N
ClientSampleId :
TB

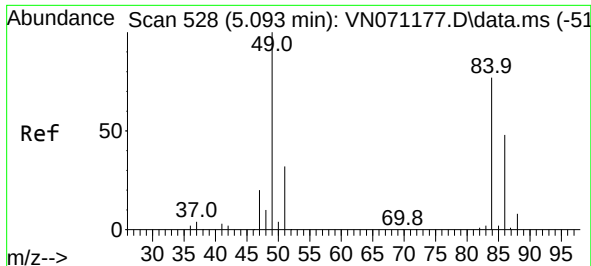
Tgt Ion: 43 Resp: 6922
Ion Ratio Lower Upper
43 100
58 36.8 23.1 34.7#



#18
Methyl Acetate
Concen: 1.152 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

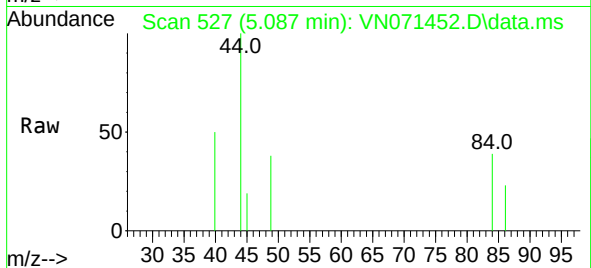
Tgt Ion: 43 Resp: 9257
Ion Ratio Lower Upper
43 100
74 20.0 19.4 29.2





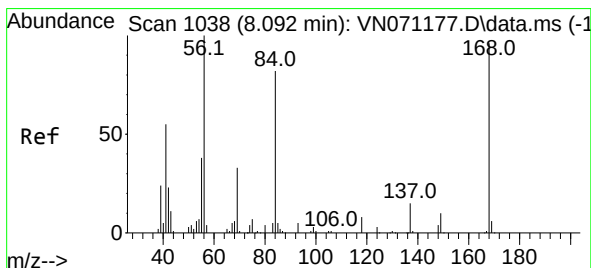
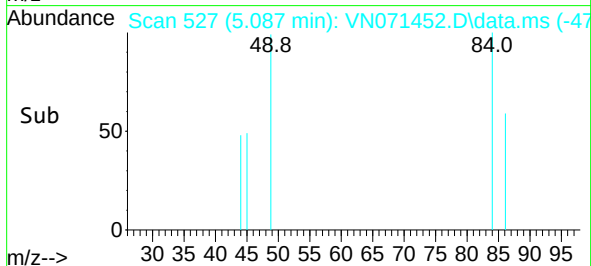
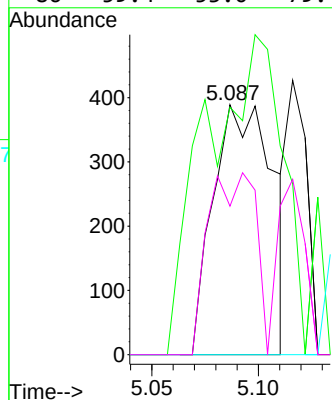
#20
Methylene Chloride
Concen: 0.464 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
TB



Tgt Ion: 84 Resp: 757

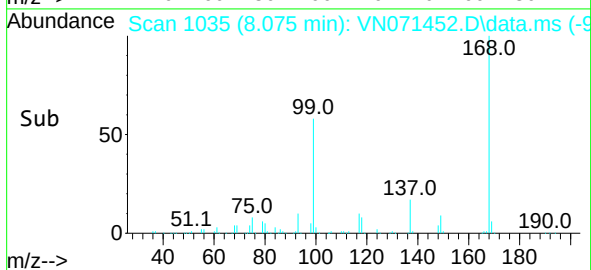
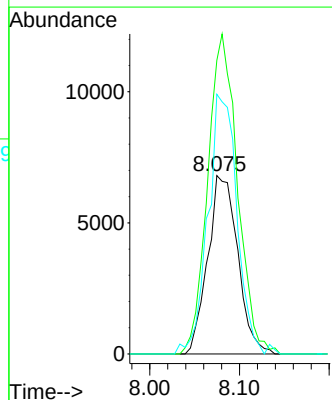
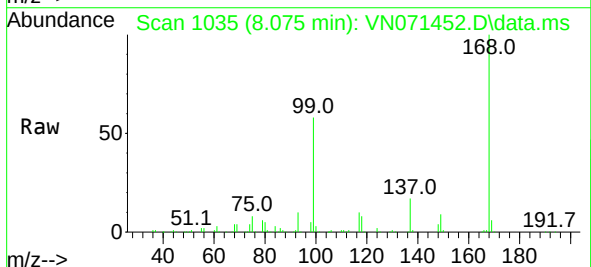
Ion	Ratio	Lower	Upper
84	100		
49	54.5	93.5	140.3#
51	0.0	29.4	44.2#
86	59.4	53.0	79.4

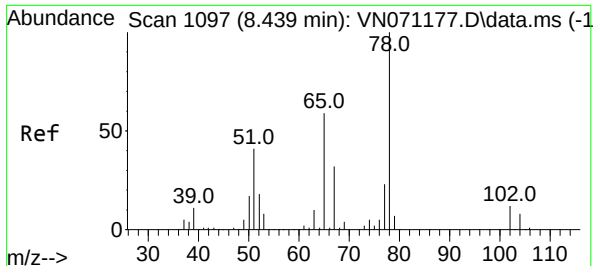


#31
Cyclohexane
Concen: 0.962 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.018 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 56 Resp: 15804

Ion	Ratio	Lower	Upper
56	100		
69	164.5	27.1	40.7#
84	145.5	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.062 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071452.D

Acq: 22 Mar 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

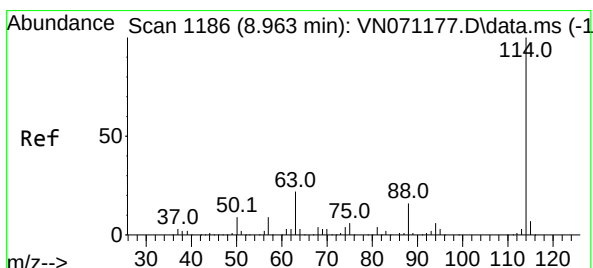
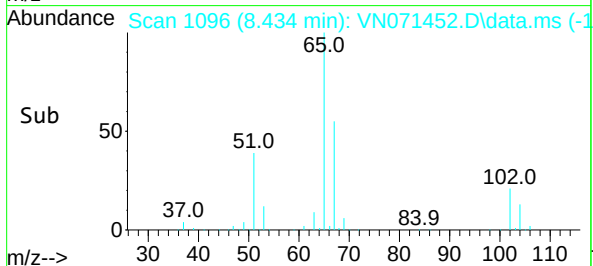
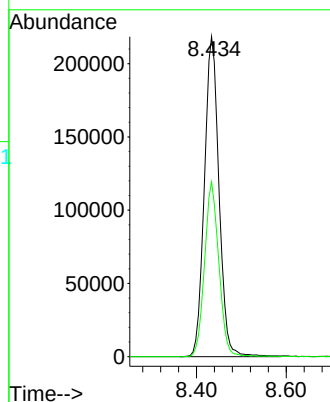
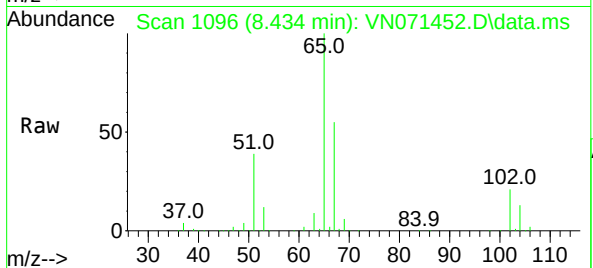
TB

Tgt Ion: 65 Resp: 494488

Ion Ratio Lower Upper

65 100

67 53.2 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: VN071452.D

Acq: 22 Mar 2022 05:45

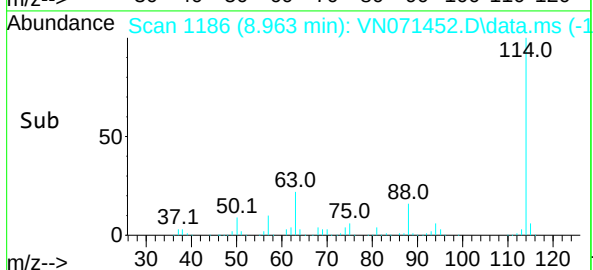
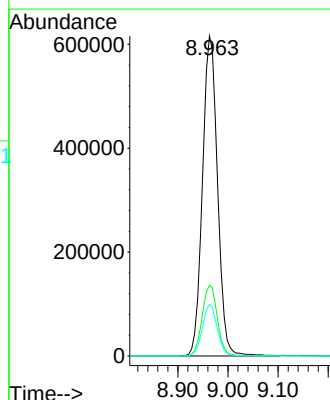
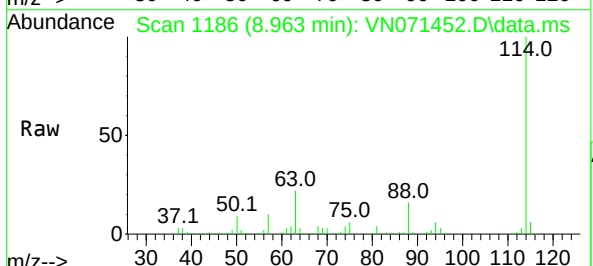
Tgt Ion: 114 Resp: 1287108

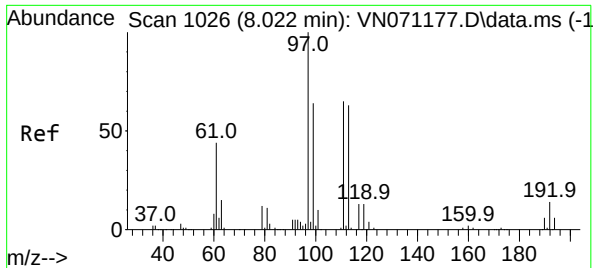
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.2 0.0 27.4

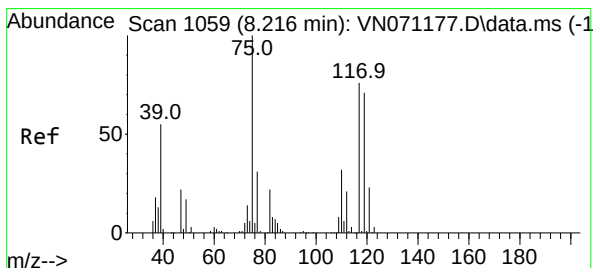
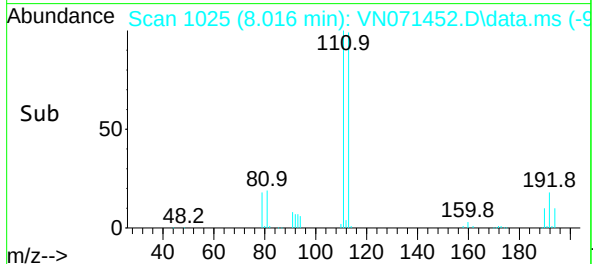
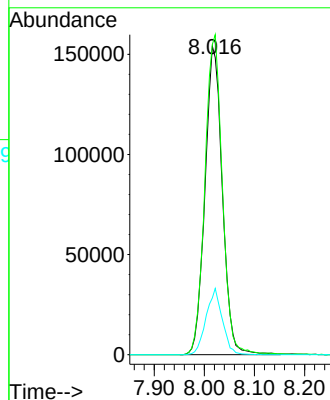
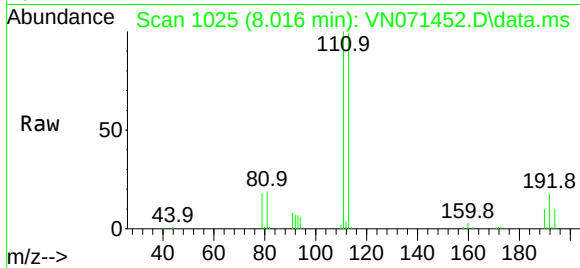




#35
Dibromofluoromethane
Concen: 45.696 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

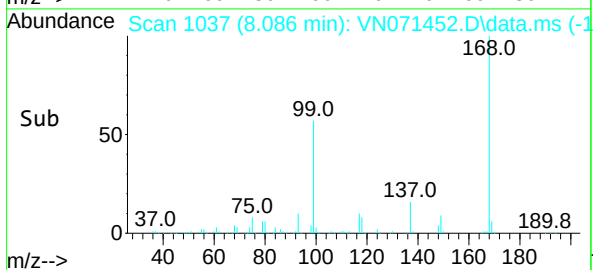
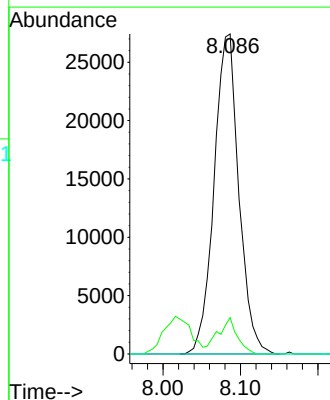
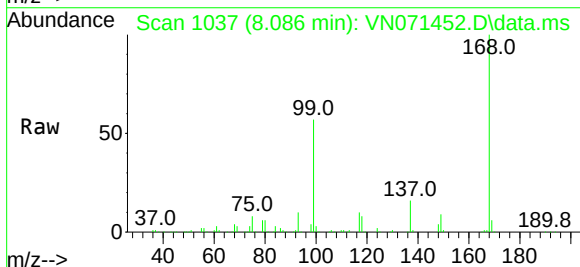
Instrument :
MSVOA_N
ClientSampleId :
TB

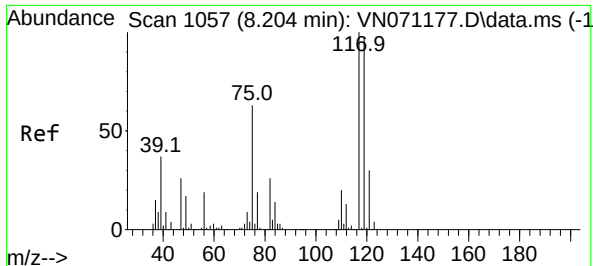
Tgt Ion:113 Resp: 371148
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.681 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

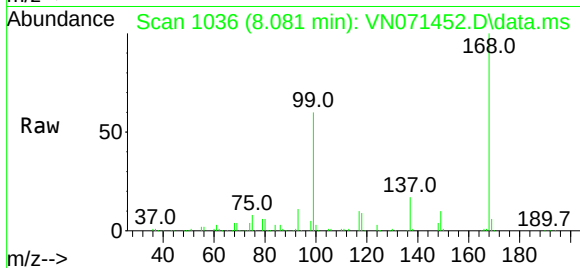
Tgt Ion: 75 Resp: 60917
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



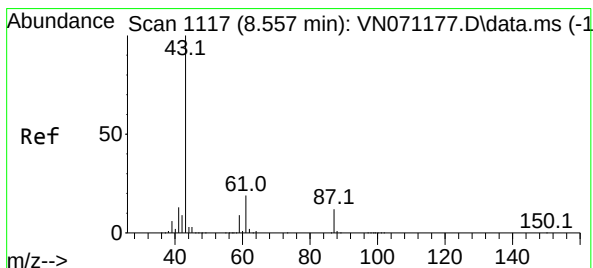
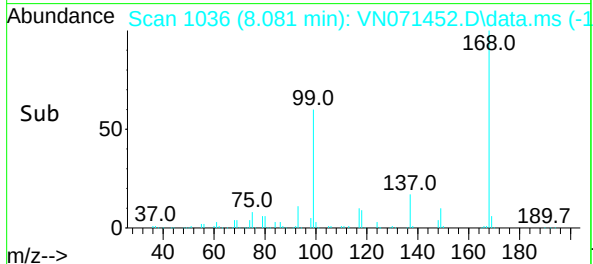
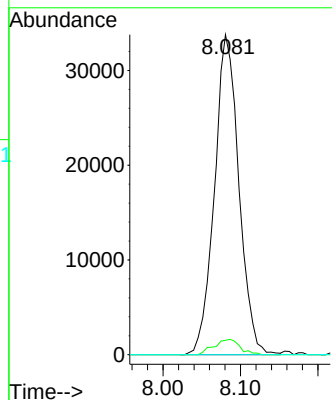


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.081 min Scan# 1134
Delta R.T. -0.123 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
TB

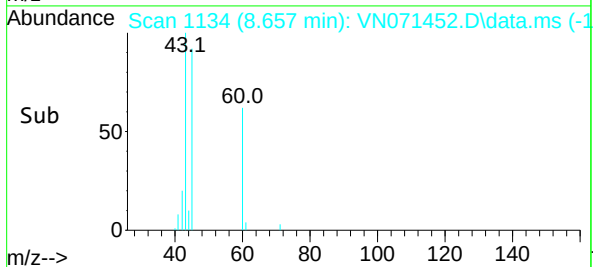
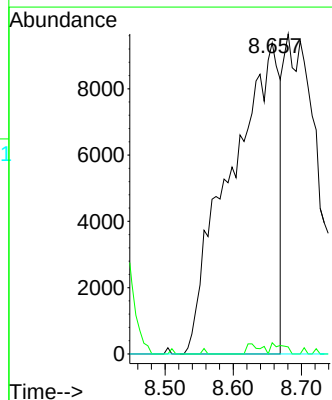
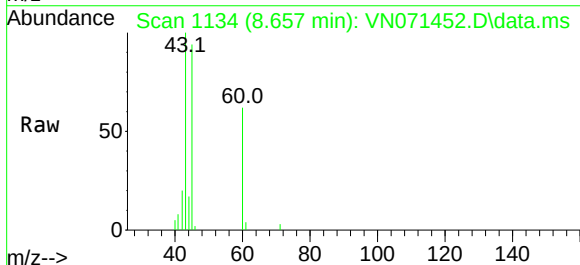


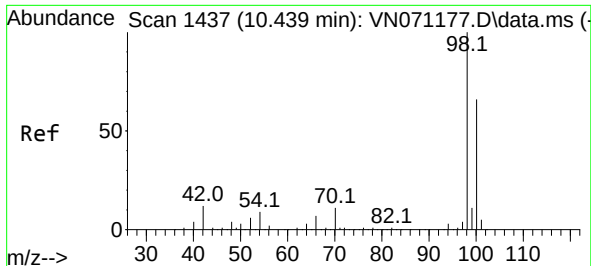
Tgt Ion:117 Resp: 74039
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.760 ug/l
RT: 8.657 min Scan# 1134
Delta R.T. 0.100 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 43 Resp: 47147
Ion Ratio Lower Upper
43 100
61 0.9 20.4 30.6#
87 0.0 11.2 16.8#

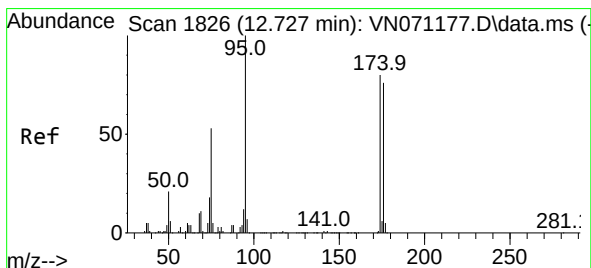
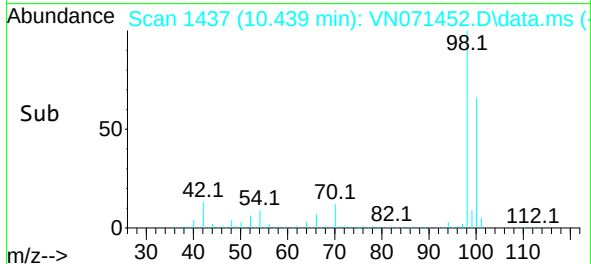
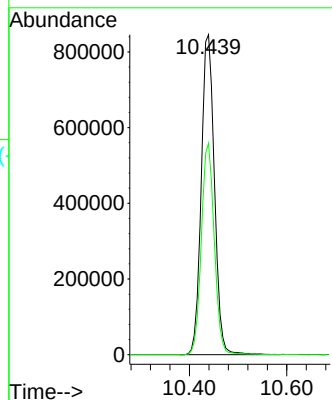
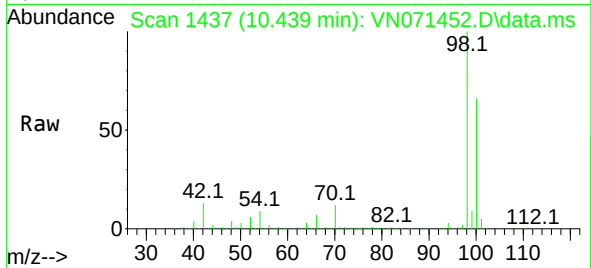




#50
Toluene-d8
Concen: 48.484 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

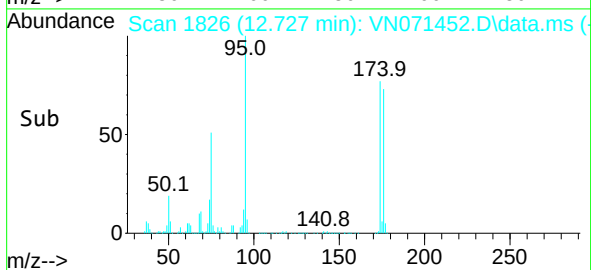
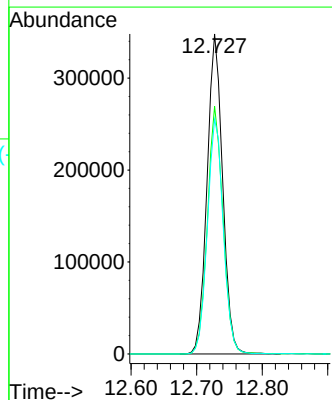
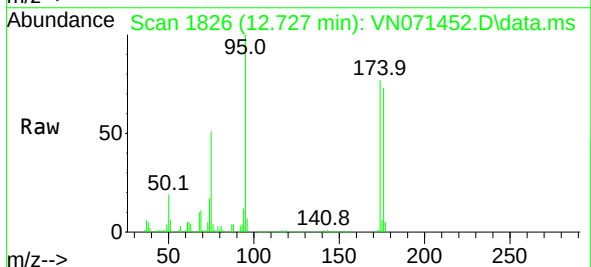
Instrument :
MSVOA_N
ClientSampleId :
TB

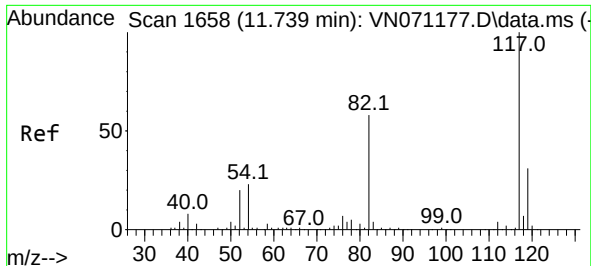
Tgt Ion: 98 Resp: 1585522
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 51.949 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion: 95 Resp: 575267
Ion Ratio Lower Upper
95 100
174 77.7 0.0 187.2
176 74.7 0.0 181.4

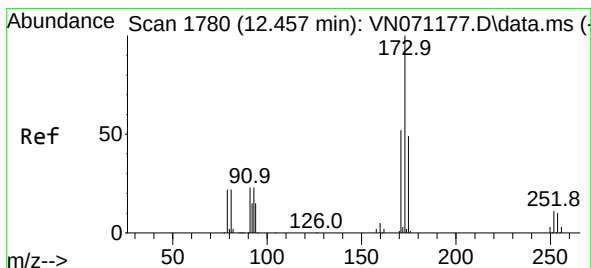
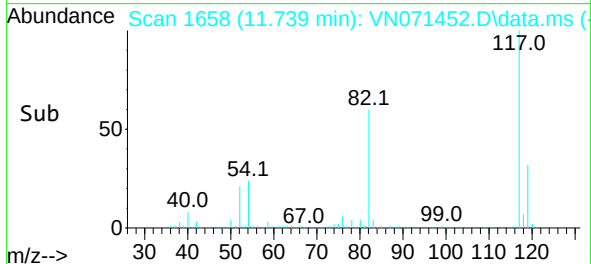
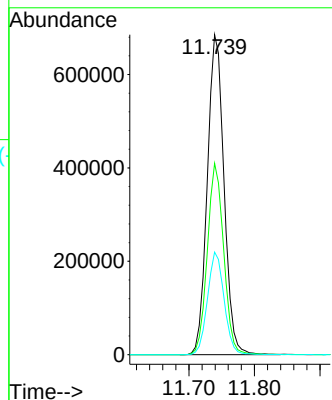
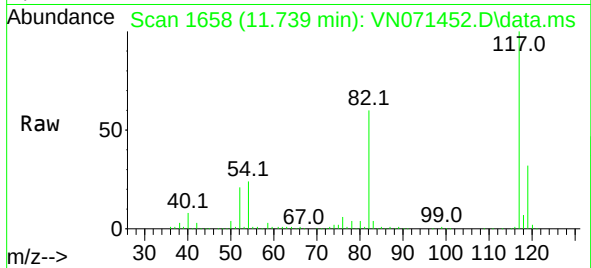




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

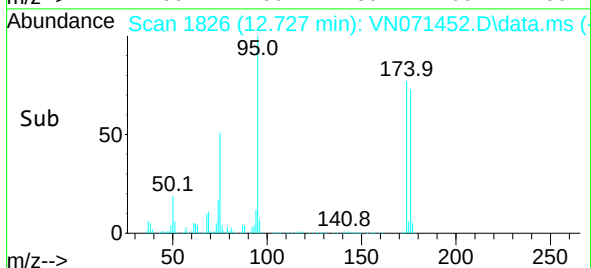
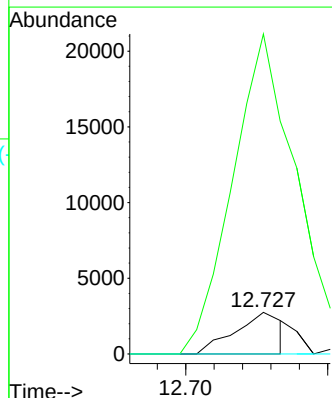
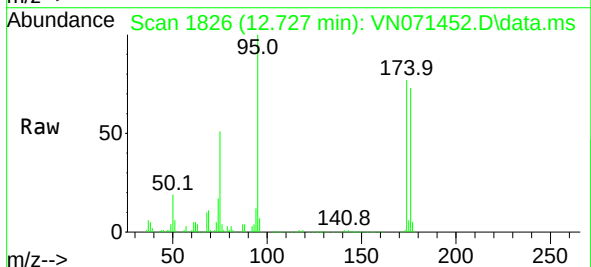
Instrument :
MSVOA_N
ClientSampleId :
TB

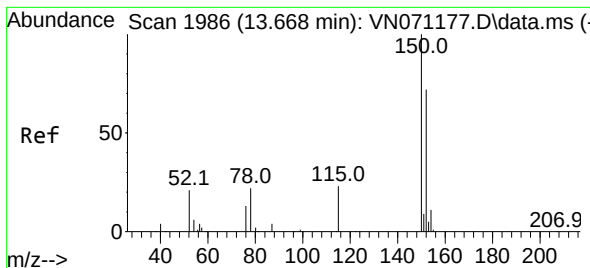
Tgt Ion:117 Resp: 1214975
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.438 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Tgt Ion:173 Resp: 3179
Ion Ratio Lower Upper
173 100
175 783.3 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: VN071452.D

Acq: 22 Mar 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

TB

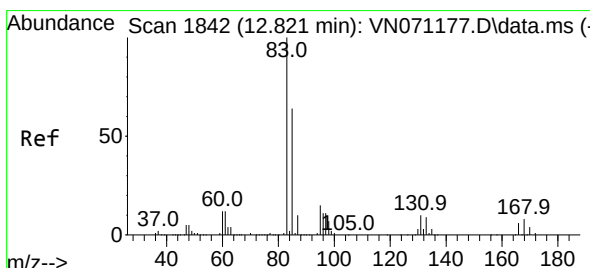
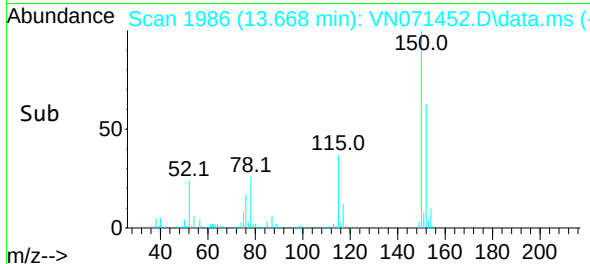
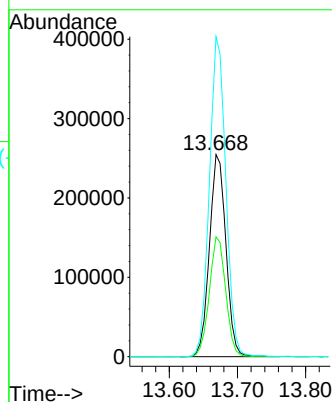
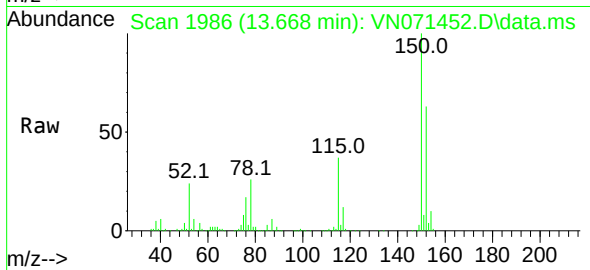
Tgt Ion:152 Resp: 429090

Ion Ratio Lower Upper

152 100

115 59.0 27.5 82.5

150 157.7 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.721 min Scan# 1825

Delta R.T. -0.100 min

Lab File: VN071452.D

Acq: 22 Mar 2022 05:45

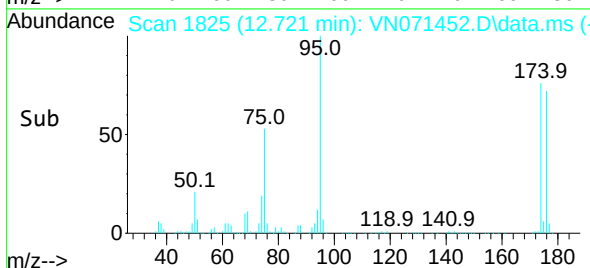
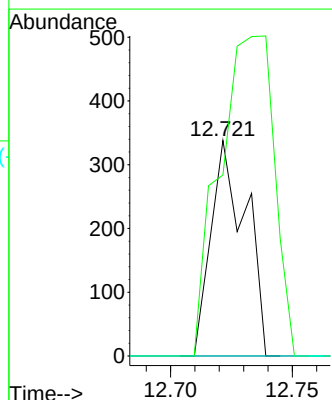
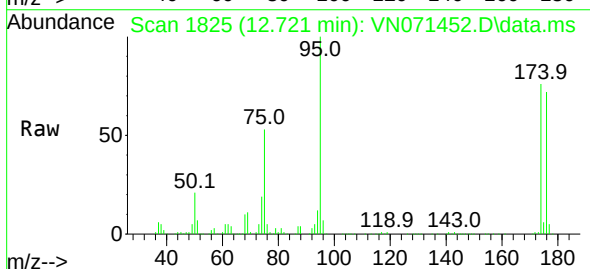
Tgt Ion: 83 Resp: 336

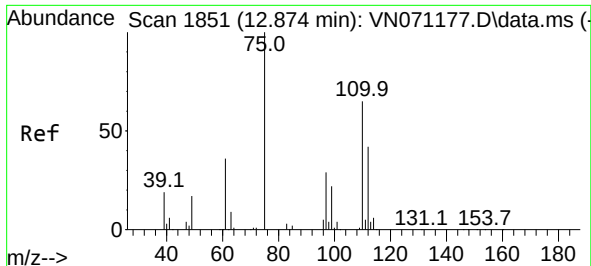
Ion Ratio Lower Upper

83 100

131 233.6 5.5 16.5#

85 0.0 32.4 97.2#

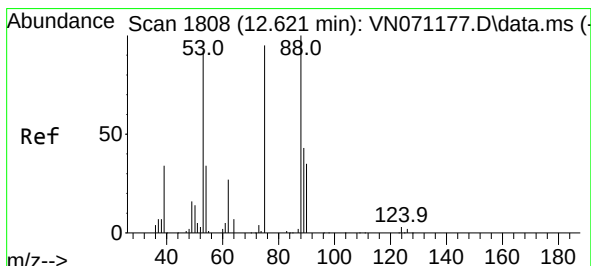
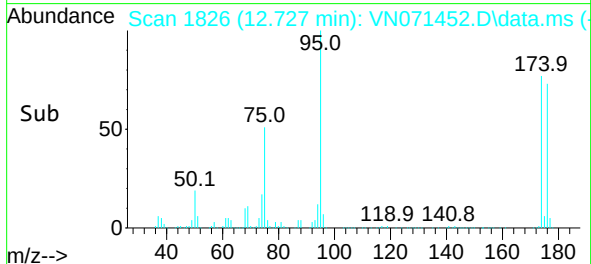
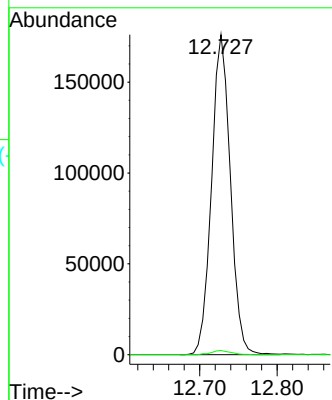
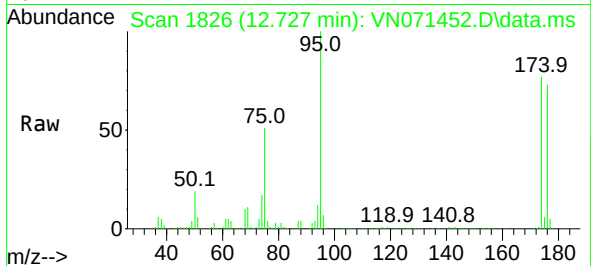




#76
1,2,3-Trichloropropane
Concen: 27.315 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

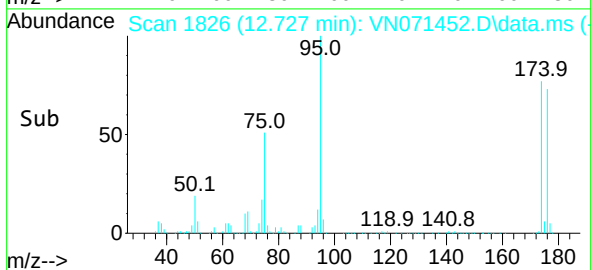
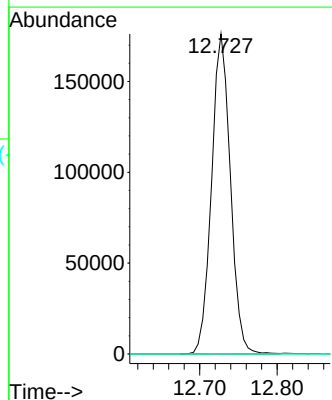
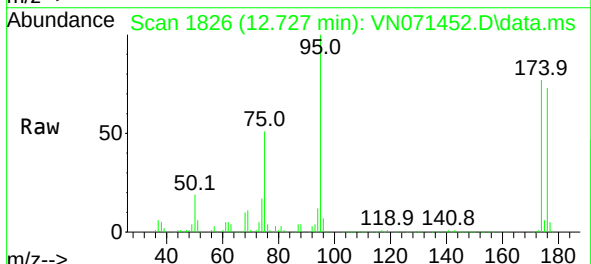
Instrument :
MSVOA_N
ClientSampleId :
TB

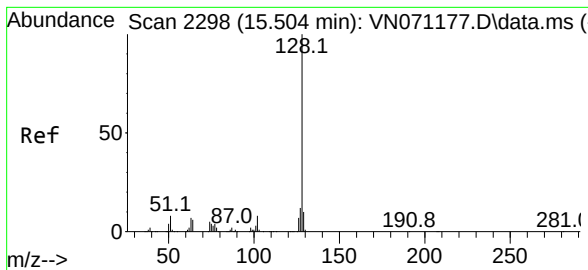
Tgt Ion: 75 Resp: 297380
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.918 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

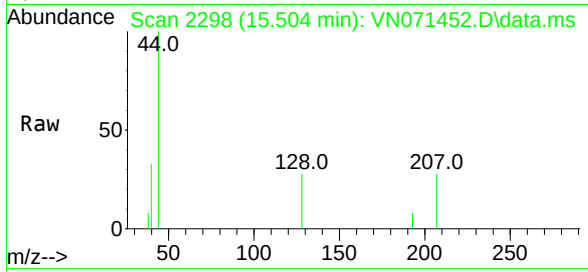
Tgt Ion: 75 Resp: 297380
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#95
Naphthalene
Concen: 5.101 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071452.D
Acq: 22 Mar 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
TB



Tgt Ion:	128	Resp:	738
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

