

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071468.D
 Acq On : 22 Mar 2022 15:45
 Operator : JC\MD
 Sample : N2040-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:08:49 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)

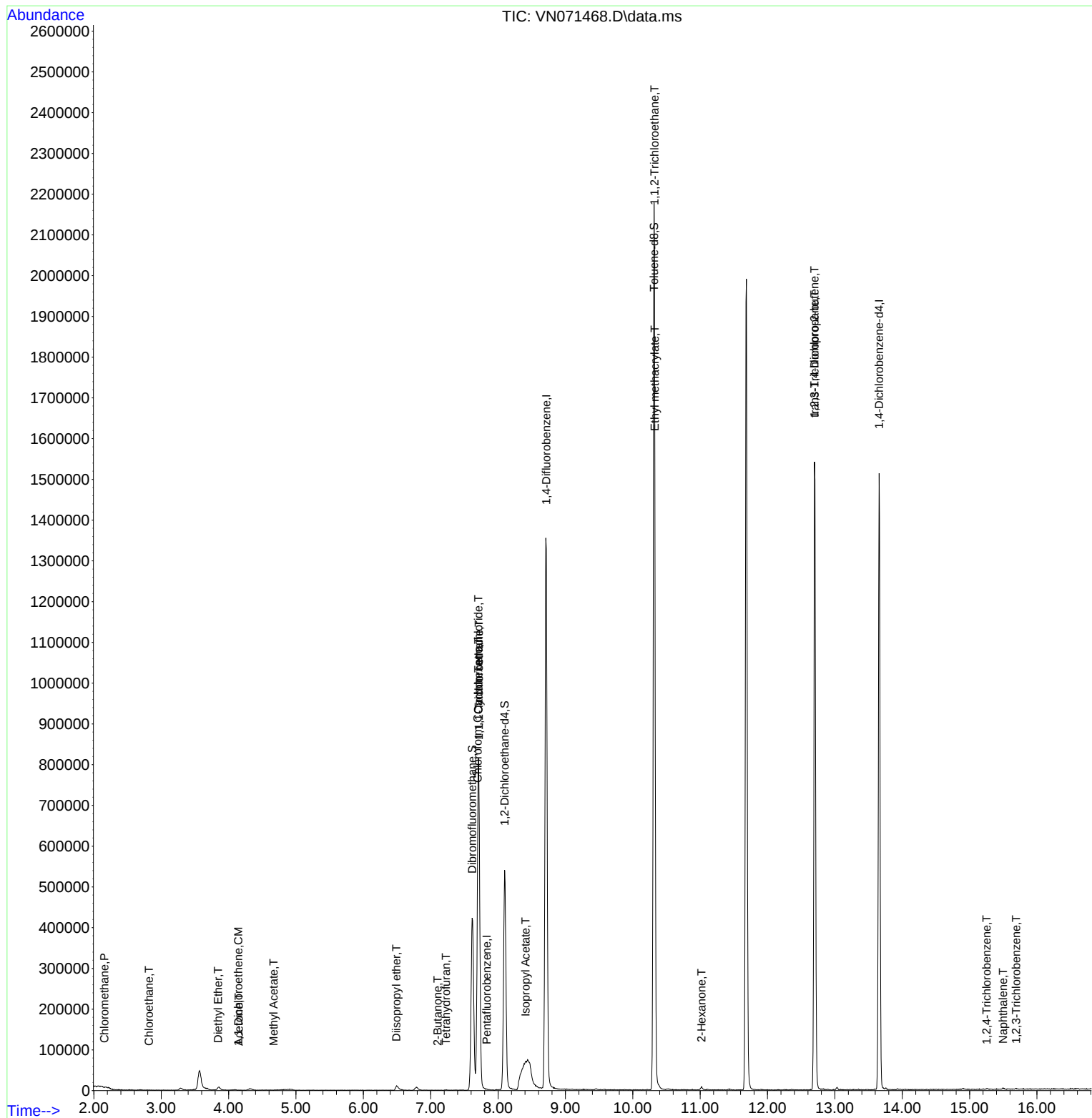
Internal Standards						
1) Pentafluorobenzene	7.834	168	826	50.000	ug/l	-0.25
34) 1,4-Difluorobenzene	8.716	114	1275736	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.74
72) 1,4-Dichlorobenzene-d4	13.657	152	410303	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.098	65	476433	42085.356	ug/l	-0.34
Spiked Amount	50.000	Range	61 - 141	Recovery	= 84170.720%#	
35) Dibromofluoromethane	7.616	113	353320	43.889	ug/l	-0.41
Spiked Amount	50.000	Range	69 - 133	Recovery	= 87.780%	
50) Toluene-d8	10.316	98	1534801	47.351	ug/l	-0.12
Spiked Amount	50.000	Range	65 - 126	Recovery	= 94.700%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	= 0.000%#	
Target Compounds						Qvalue
3) Chloromethane	2.158	50	125	10.258	ug/l #	43
6) Chloroethane	2.816	64	58	8.633	ug/l #	42
8) Diethyl Ether	3.846	74	2172	347.595	ug/l #	3
12) 1,1-Dichloroethene	4.146	96	60	7.246	ug/l #	1
16) Acetone	4.152	43	136	24.690	ug/l #	46
18) Methyl Acetate	4.669	43	56	4.220	ug/l #	51
22) Diisopropyl ether	6.493	45	6413	180.734	ug/l #	31
25) 2-Butanone	7.104	43	54	6.086	ug/l #	48
29) Tetrahydrofuran	7.228	42	630	102.487	ug/l #	32
30) Chloroform	7.698	83	62	3.467	ug/l #	18
31) Cyclohexane	7.710	56	14803	818.836	ug/l #	17
32) 1,1,1-Trichloroethane	7.716	97	131	8.600	ug/l #	1
38) Carbon Tetrachloride	7.710	117	48192	3.863	ug/l #	18
43) Isopropyl Acetate	8.410	43	129094	4.863	ug/l #	56
55) 1,1,2-Trichloroethane	10.322	97	29972	3.126	ug/l #	1
56) Ethyl methacrylate	10.328	69	4609	0.294	ug/l #	77
59) 2-Hexanone	11.022	43	2366	0.210	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.792	83	57	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.698	75	280570	26.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.698	75	280570	73.920	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	814	3.103	ug/l	91
95) Naphthalene	15.498	128	3406	5.230	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.692	180	1002	2.879	ug/l #	90

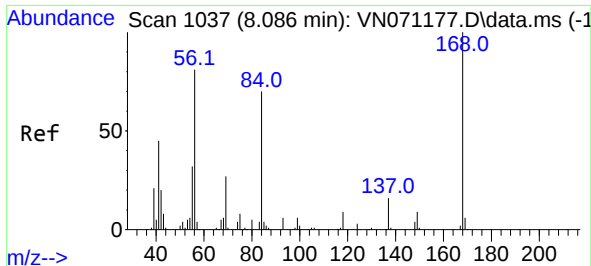
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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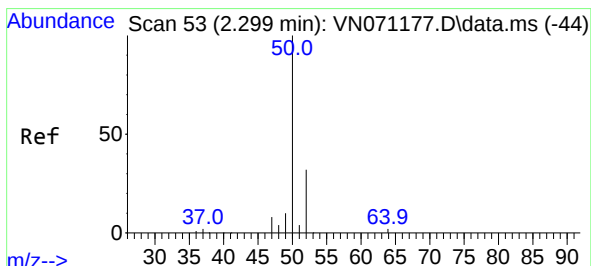
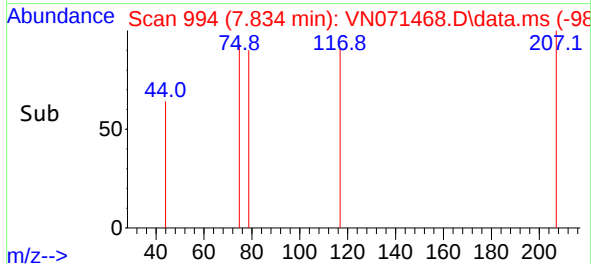
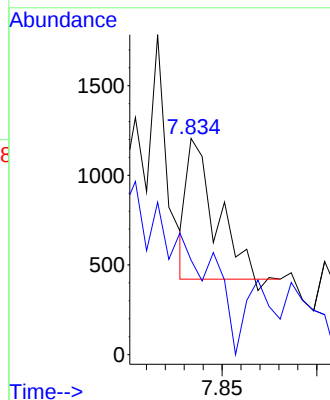
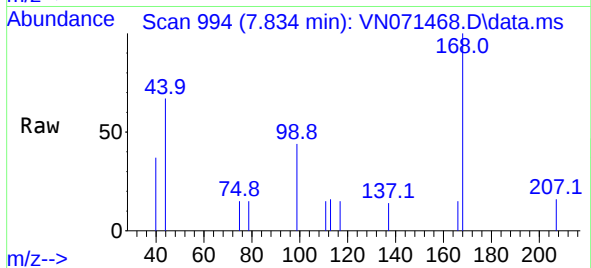




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.834 min Scan# 99
Delta R.T. -0.252 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

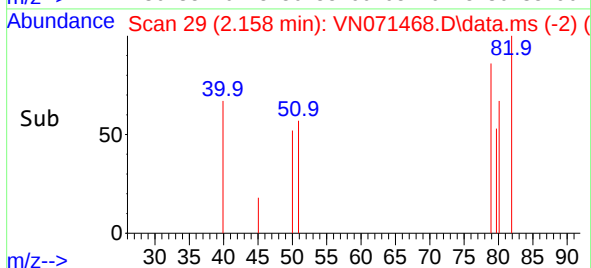
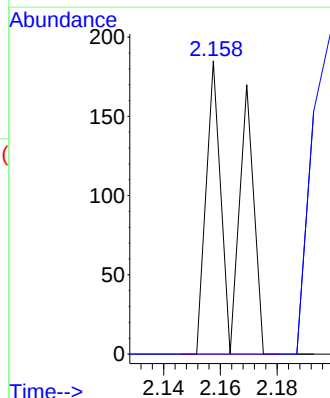
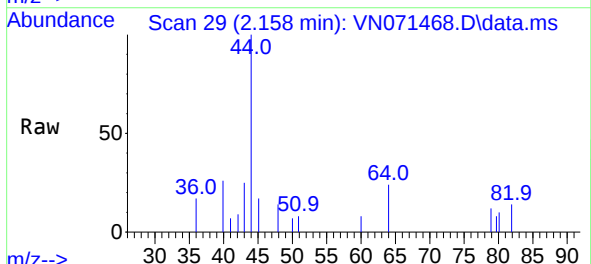
Instrument :
MSVOA_N
ClientSampleId :

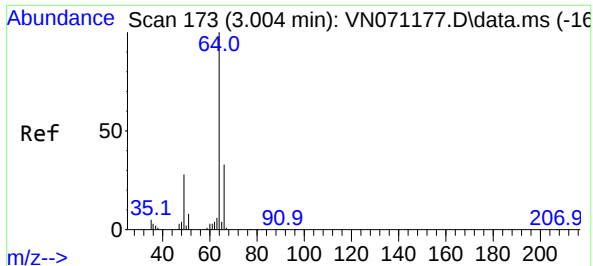
Tgt Ion:168 Resp: 826
Ion Ratio Lower Upper
168 100
99 41.9 41.3 61.9



#3
Chloromethane
Concen: 10.258 ug/l
RT: 2.158 min Scan# 29
Delta R.T. -0.141 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

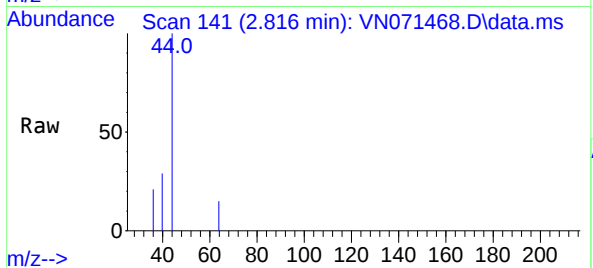
Tgt Ion: 50 Resp: 125
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



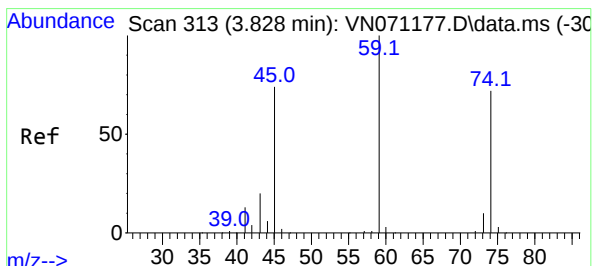
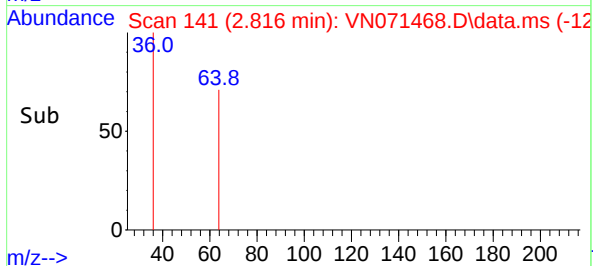
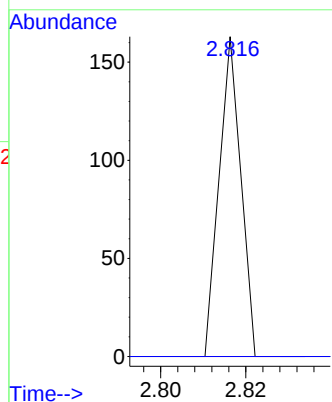


#6
Chloroethane
Concen: 8.633 ug/l
RT: 2.816 min Scan# 141
Delta R.T. -0.188 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :

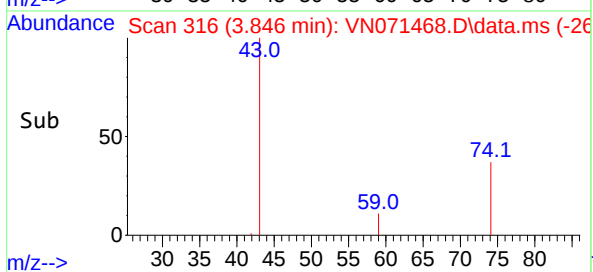
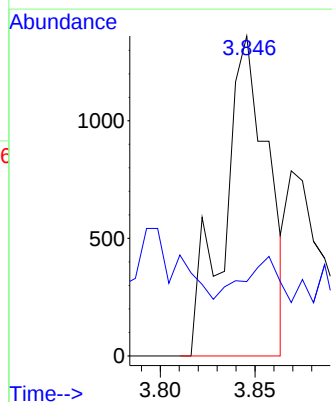
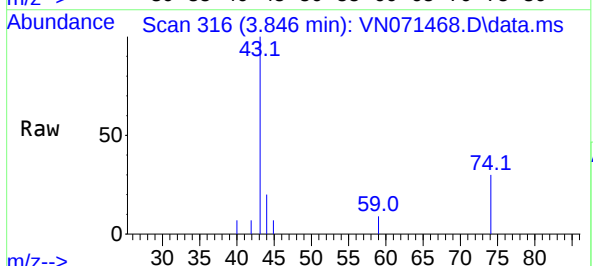


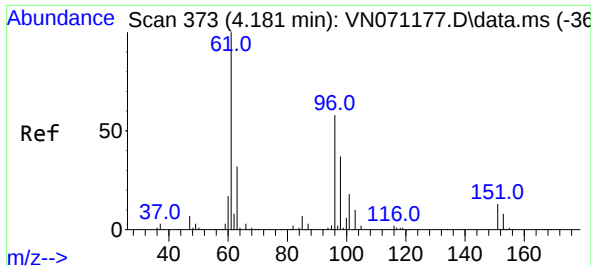
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#8
Diethyl Ether
Concen: 347.595 ug/l
RT: 3.846 min Scan# 316
Delta R.T. 0.018 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

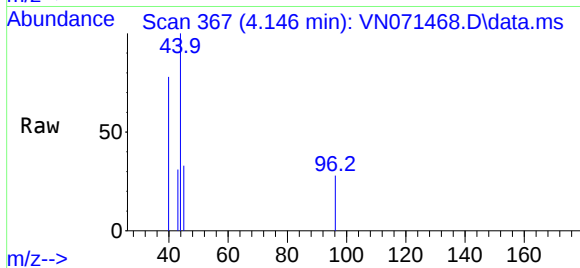
Tgt Ion: 74 Resp: 2172
Ion Ratio Lower Upper
74 100
45 0.0 47.0 141.2#



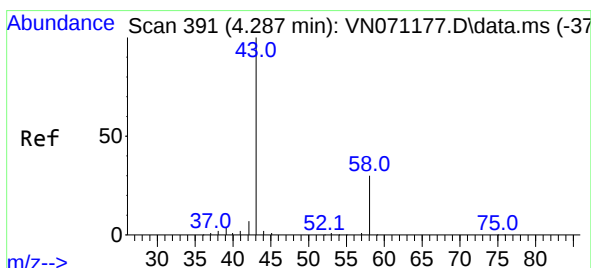
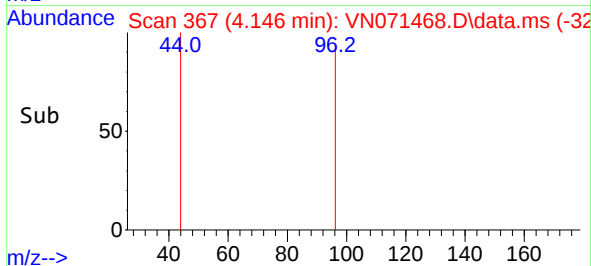
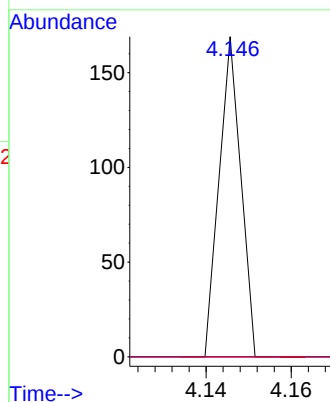


#12
1,1-Dichloroethene
Concen: 7.246 ug/l
RT: 4.146 min Scan# 30
Delta R.T. -0.035 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :

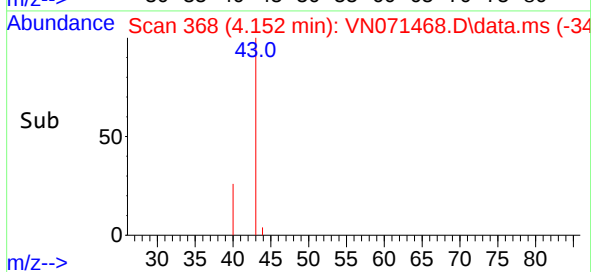
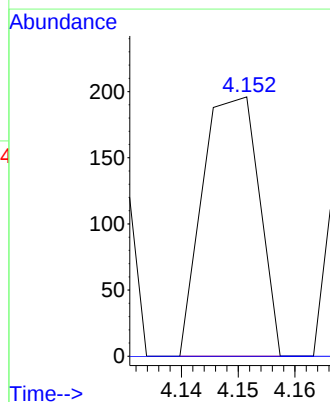
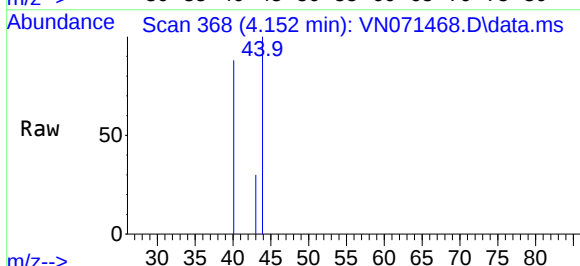


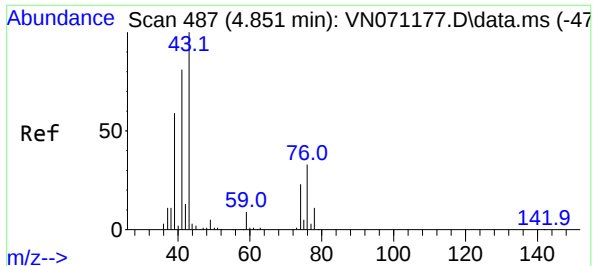
Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 131.0 196.6#
98 0.0 52.4 78.6#



#16
Acetone
Concen: 24.690 ug/l
RT: 4.152 min Scan# 368
Delta R.T. -0.135 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

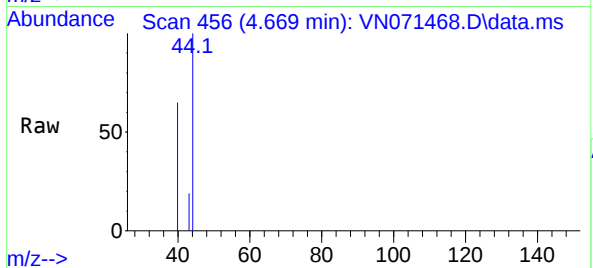
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 0.0 23.1 34.7#



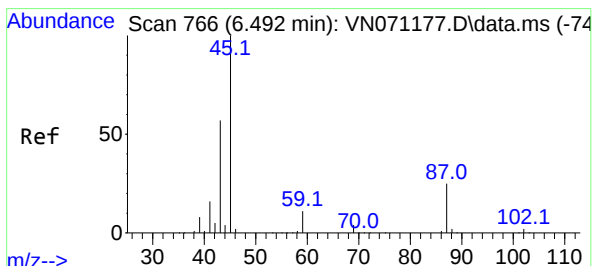
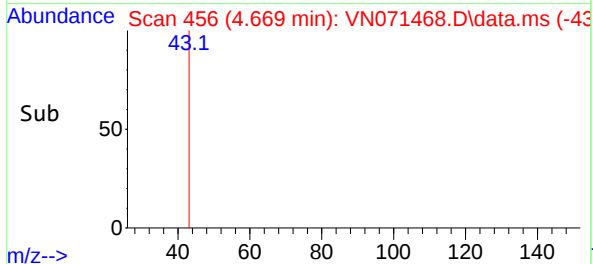
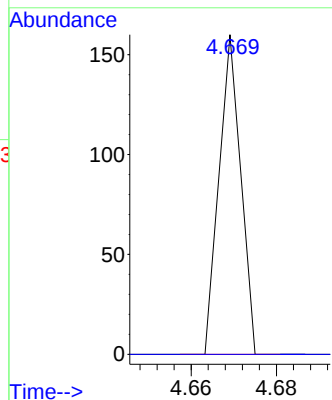


#18
Methyl Acetate
Concen: 4.220 ug/l
RT: 4.669 min Scan# 418
Delta R.T. -0.182 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :

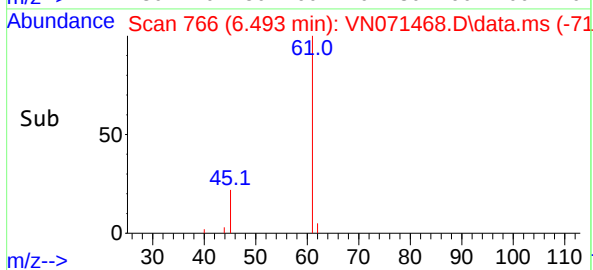
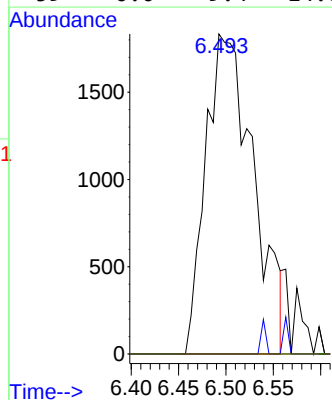
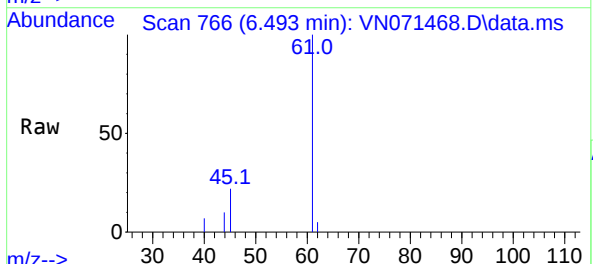


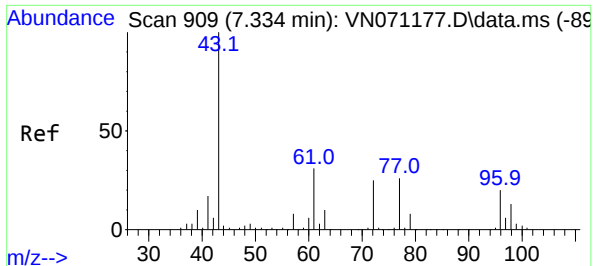
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#22
Diisopropyl ether
Concen: 180.734 ug/l
RT: 6.493 min Scan# 766
Delta R.T. 0.000 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Tgt Ion: 45 Resp: 6413
Ion Ratio Lower Upper
45 100
43 0.0 51.7 77.5#
87 0.0 23.2 34.8#
59 0.0 9.4 14.0#





#25

2-Butanone

Concen: 6.086 ug/l

RT: 7.104 min Scan# 81

Delta R.T. -0.229 min

Lab File: VN071468.D

Acq: 22 Mar 2022 15:45

Instrument :

MSVOA_N

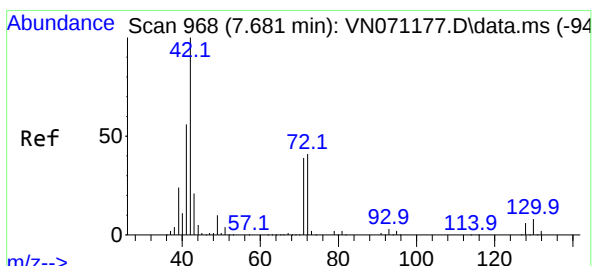
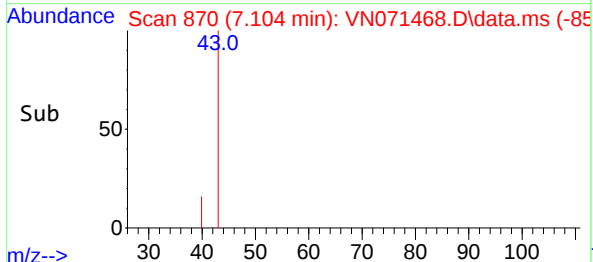
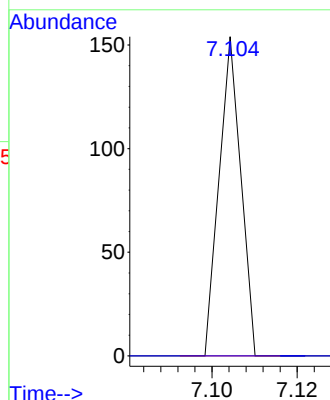
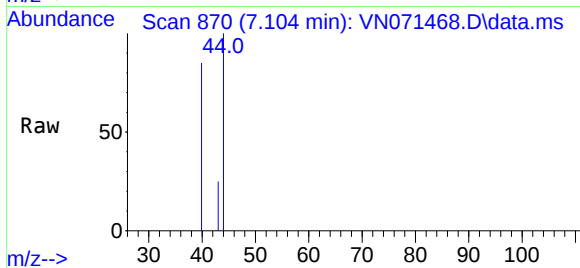
ClientSampleId :

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 102.487 ug/l

RT: 7.228 min Scan# 891

Delta R.T. -0.453 min

Lab File: VN071468.D

Acq: 22 Mar 2022 15:45

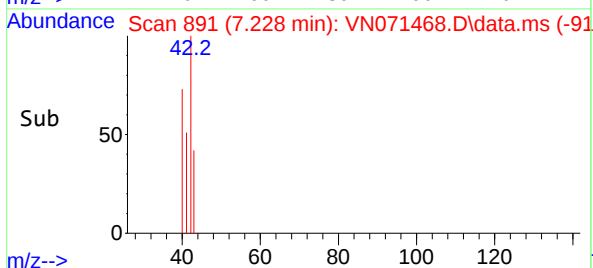
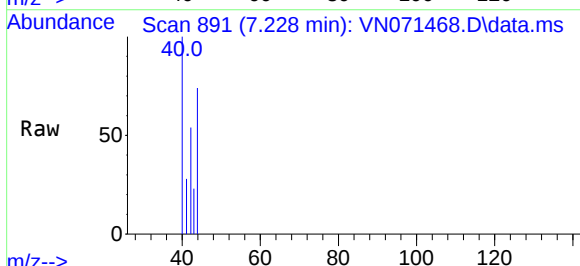
Tgt Ion: 42 Resp: 630

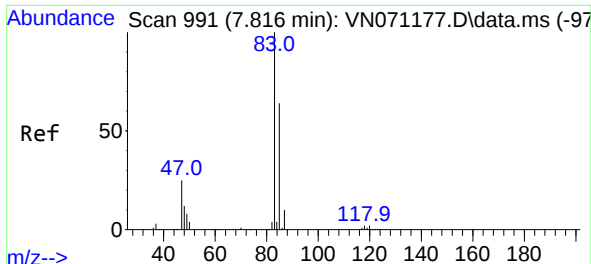
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 0.0 34.7 52.1#

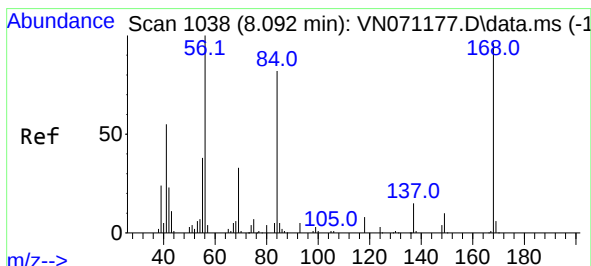
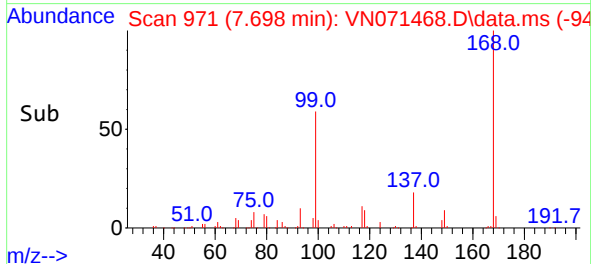
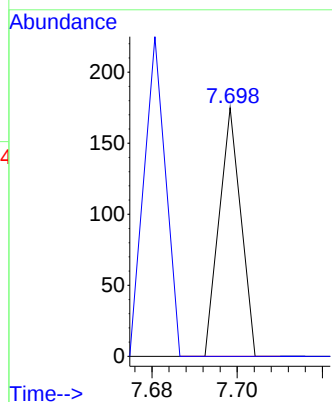
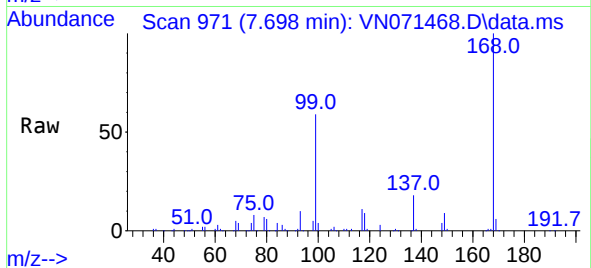




#30
Chloroform
Concen: 3.467 ug/l
RT: 7.698 min Scan# 91
Delta R.T. -0.118 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

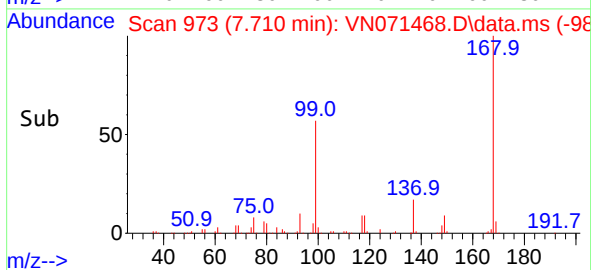
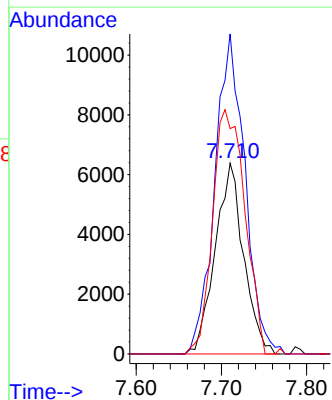
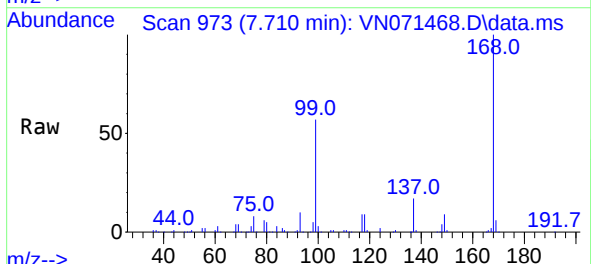
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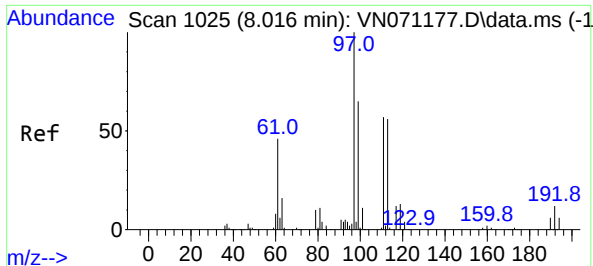
Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 818.836 ug/l
RT: 7.710 min Scan# 973
Delta R.T. -0.382 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

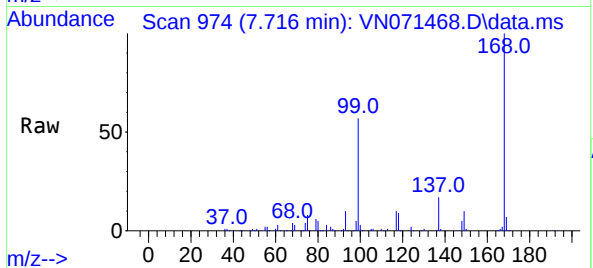
Tgt Ion: 56 Resp: 14803
Ion Ratio Lower Upper
56 100
69 167.7 27.1 40.7#
84 118.2 73.4 110.0#



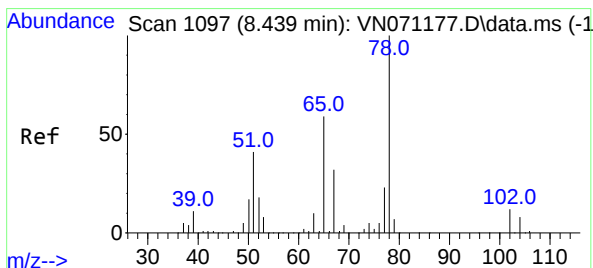
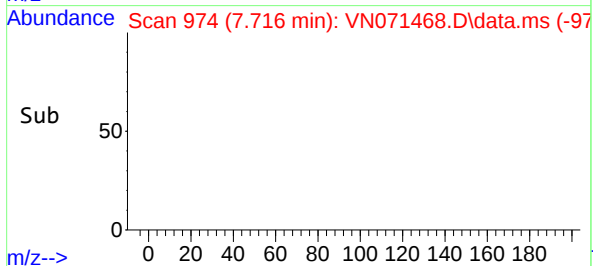
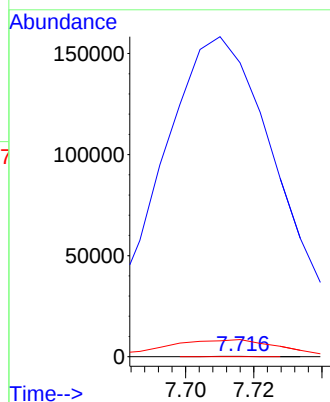


#32
1,1,1-Trichloroethane
Concen: 8.600 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.300 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :

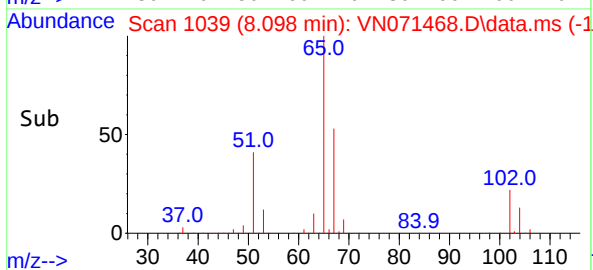
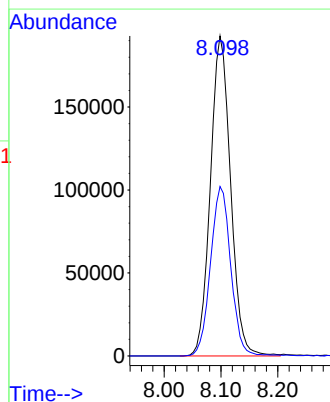
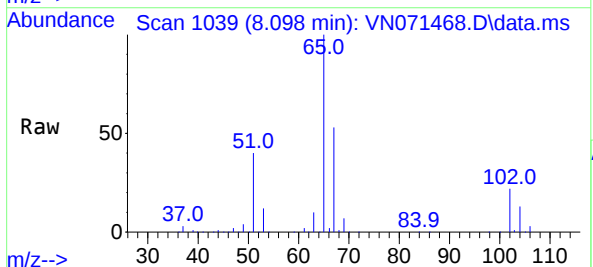


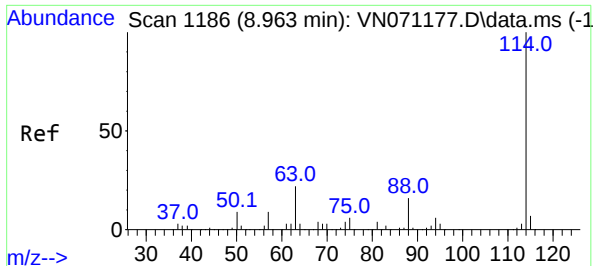
Tgt Ion: 97 Resp: 131
Ion Ratio Lower Upper
97 100
99 31004.6 50.1 75.1#
61 16077.9 35.2 52.8#



#33
1,2-Dichloroethane-d4
Concen: 42085.356 ug/l
RT: 8.098 min Scan# 1039
Delta R.T. -0.341 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Tgt Ion: 65 Resp: 476433
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1186

Delta R.T. -0.247 min

Lab File: VN071468.D

Acq: 22 Mar 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

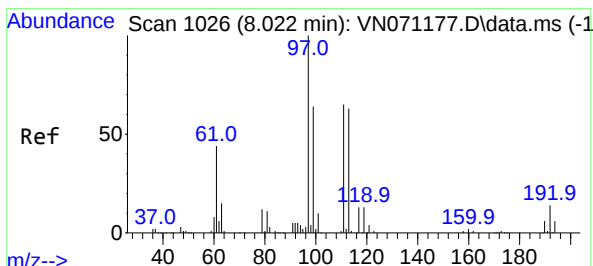
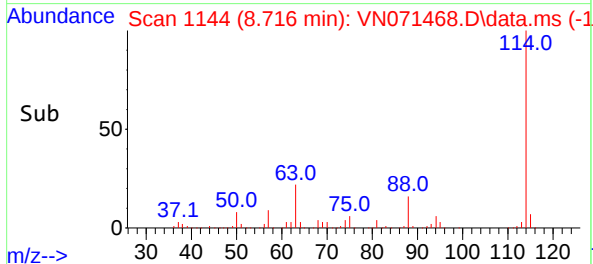
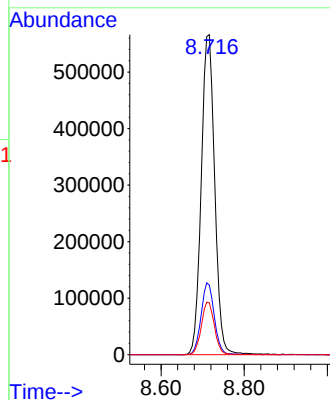
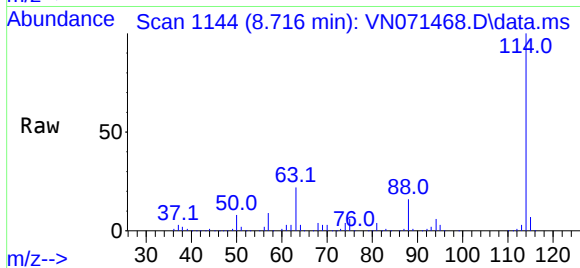
Tgt Ion:114 Resp: 1275736

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 43.889 ug/l

RT: 7.616 min Scan# 957

Delta R.T. -0.406 min

Lab File: VN071468.D

Acq: 22 Mar 2022 15:45

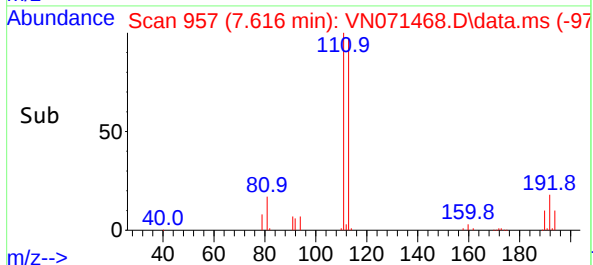
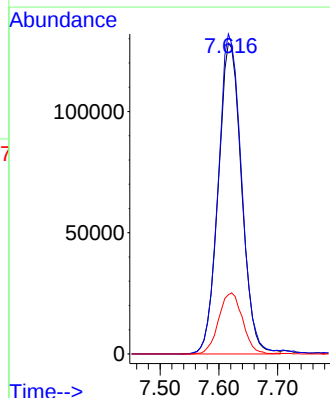
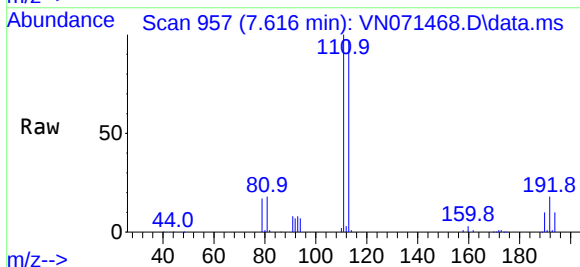
Tgt Ion:113 Resp: 353320

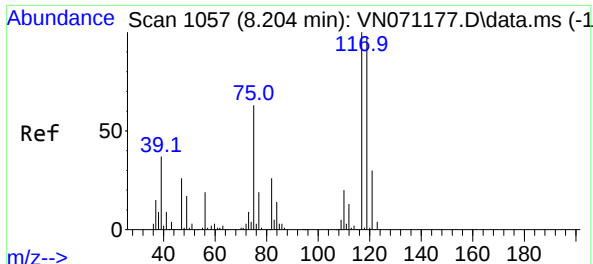
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

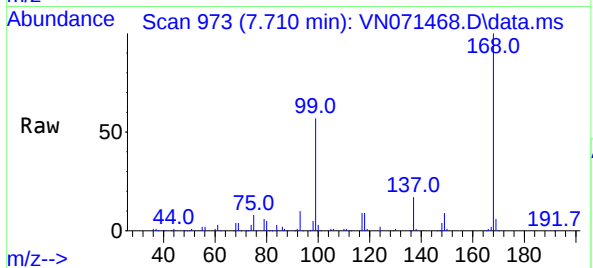
192 20.1 16.9 25.3



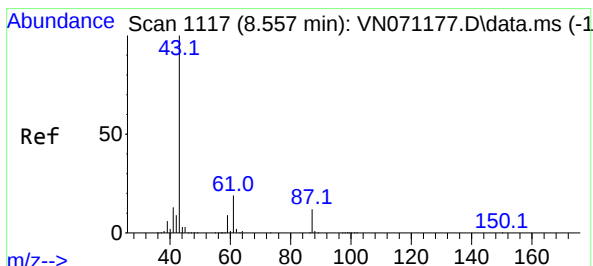
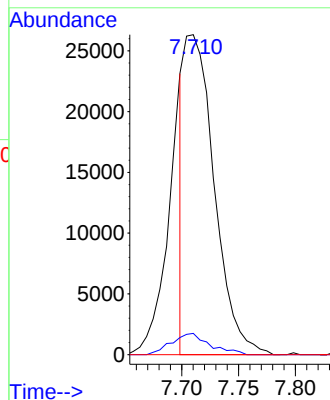
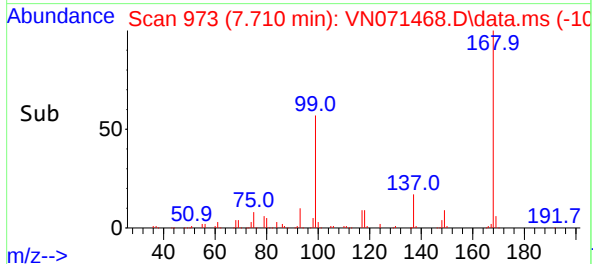


#38
Carbon Tetrachloride
Concen: 3.863 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.494 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

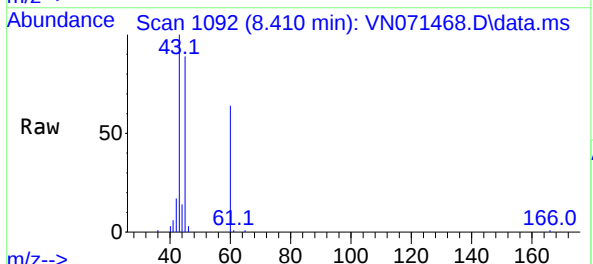
Instrument :
MSVOA_N
ClientSampleId :



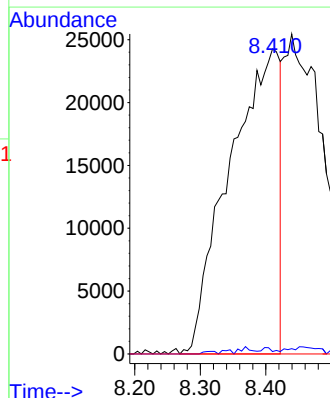
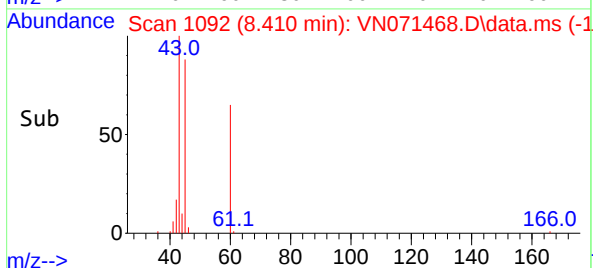
Tgt Ion:117 Resp: 48192
Ion Ratio Lower Upper
117 100
119 6.6 76.1 114.1#
121 0.0 24.2 36.2#

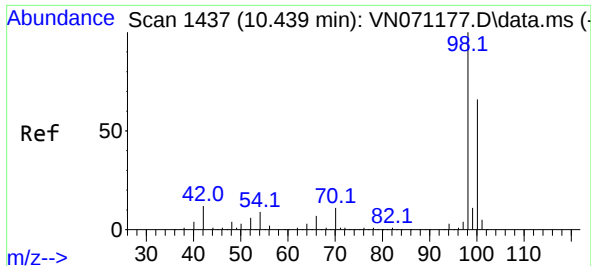


#43
Isopropyl Acetate
Concen: 4.863 ug/l
RT: 8.410 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45



Tgt Ion: 43 Resp: 129094
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#

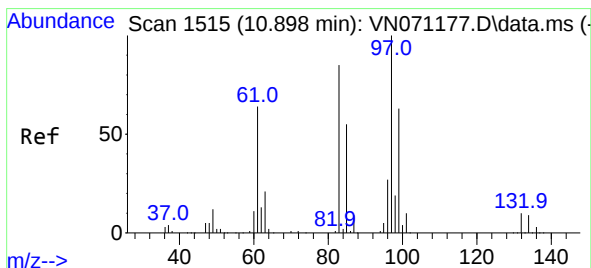
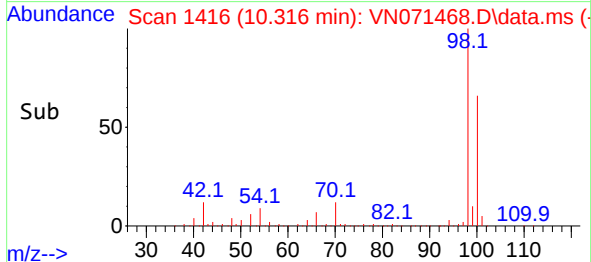
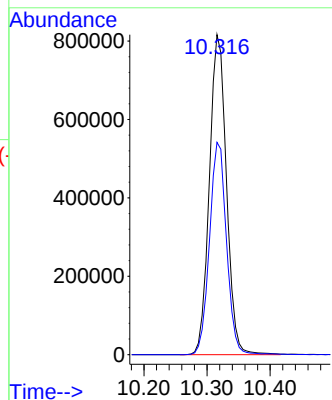
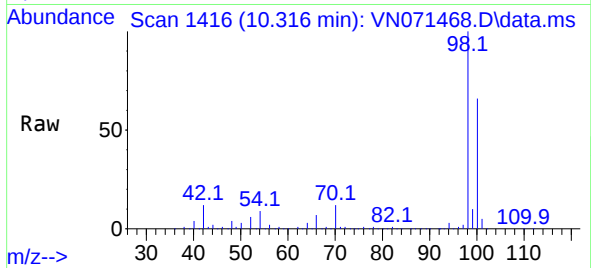




#50
Toluene-d8
Concen: 47.351 ug/l
RT: 10.316 min Scan# 1416
Delta R.T. -0.123 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

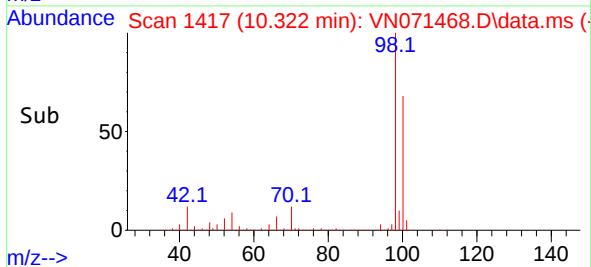
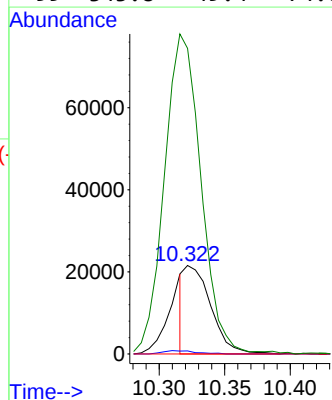
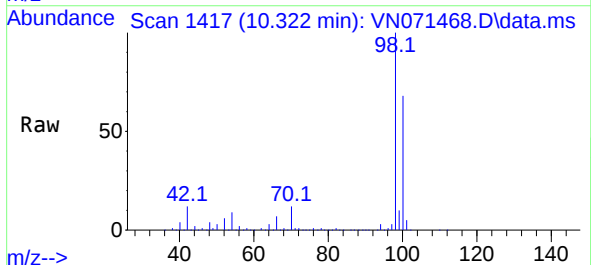
Instrument :
MSVOA_N
ClientSampleId :

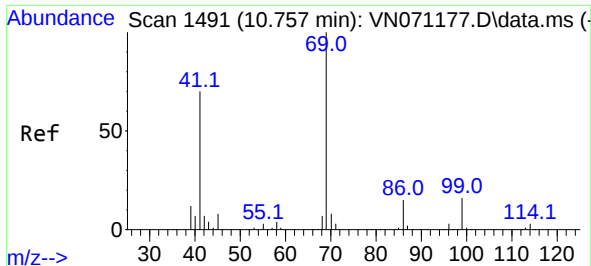
Tgt Ion: 98 Resp: 1534801
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6



#55
1,1,2-Trichloroethane
Concen: 3.126 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.576 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Tgt Ion: 97 Resp: 29972
Ion Ratio Lower Upper
97 100
83 3.4 67.8 101.6#
85 0.0 45.4 68.2#
99 343.8 49.4 74.0#

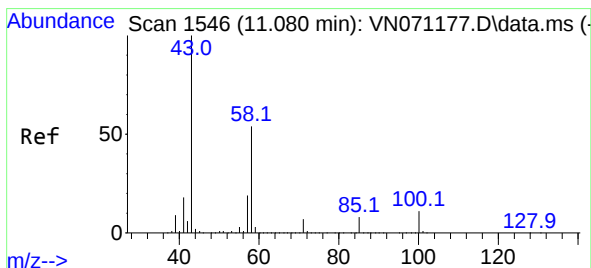
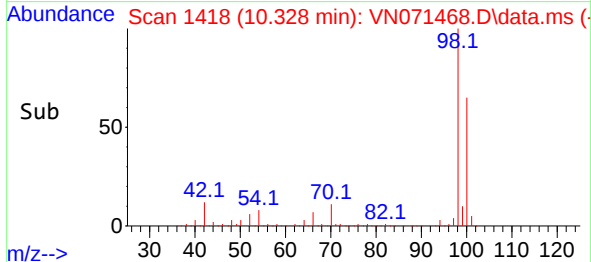
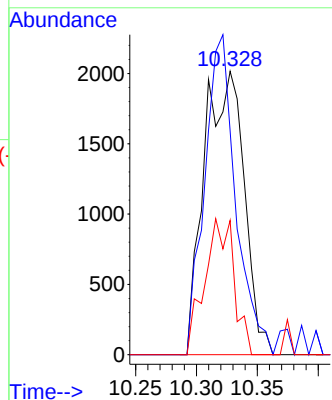
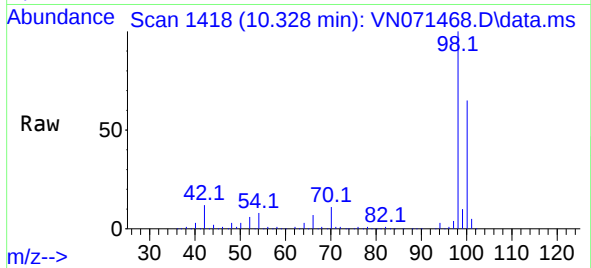




#56
Ethyl methacrylate
Concen: 0.294 ug/l
RT: 10.328 min Scan# 1491
Delta R.T. -0.429 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

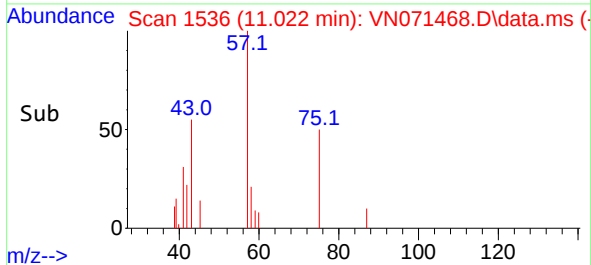
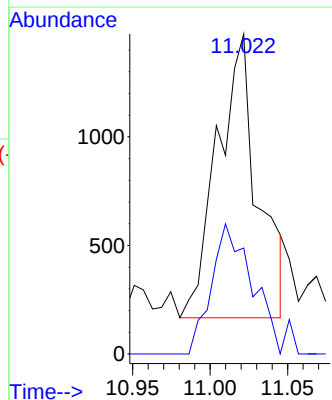
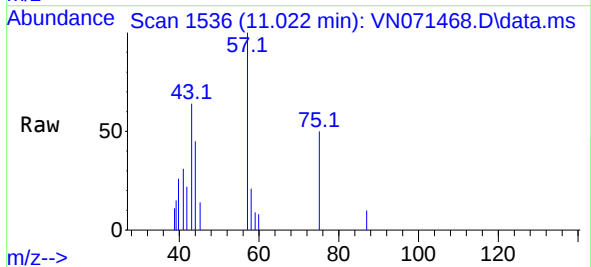
Instrument :
MSVOA_N
ClientSampleId :

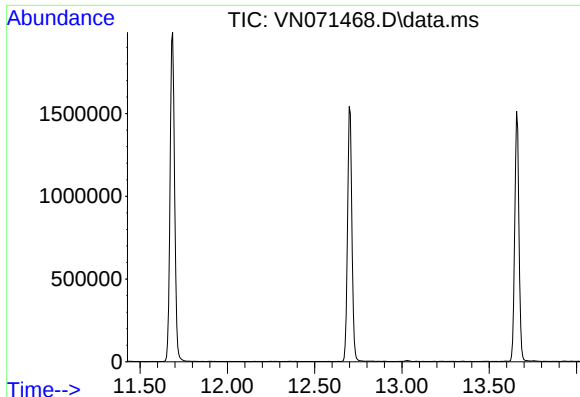
Tgt Ion: 69 Resp: 4609
Ion Ratio Lower Upper
69 100
41 87.6 51.4 77.0#
39 35.1 34.6 52.0



#59
2-Hexanone
Concen: 0.210 ug/l
RT: 11.022 min Scan# 1536
Delta R.T. -0.058 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 46.1 26.9 80.7

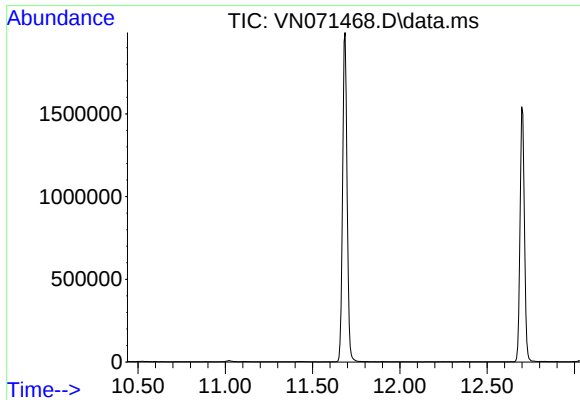
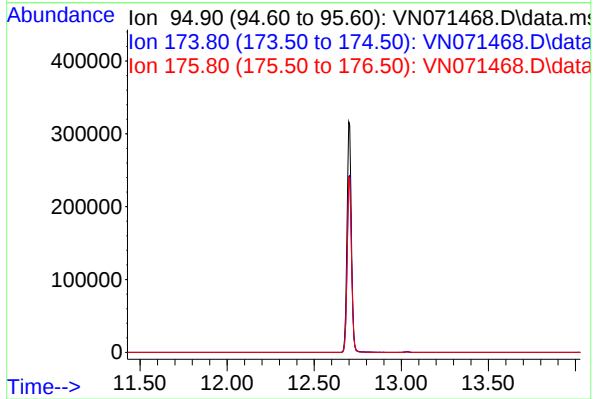




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.73 min
 Lab File: VN071468.D
 Acq: 22 Mar 2022 15:45

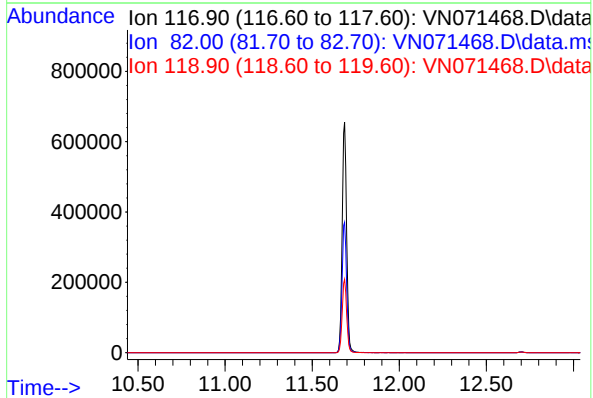
Instrument :
 MSVOA_N
 ClientSampleId :

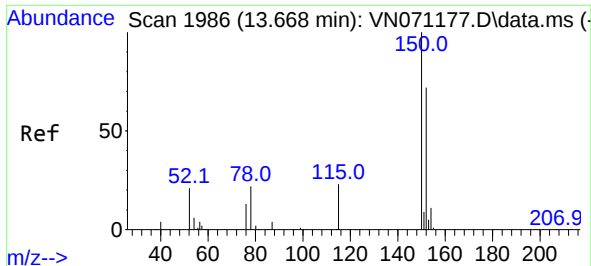
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 93.6
 176 90.7



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.74 min
 Lab File: VN071468.D
 Acq: 22 Mar 2022 15:45

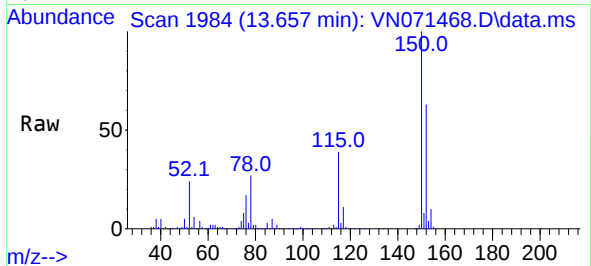
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 53.0
 119 31.8





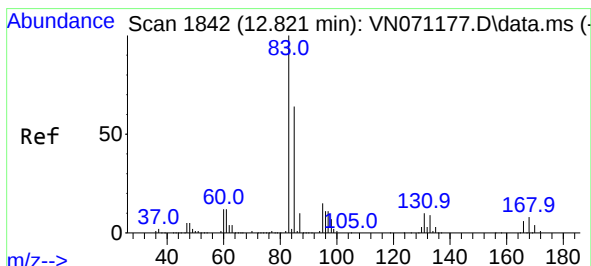
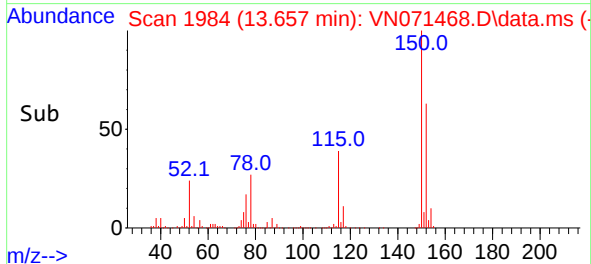
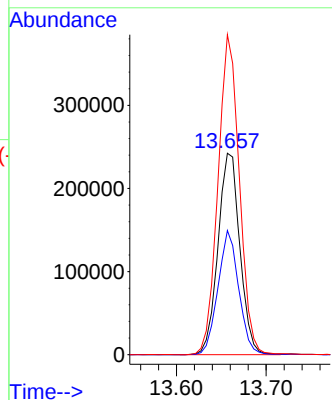
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.657 min Scan# 1984
 Delta R.T. -0.011 min
 Lab File: VN071468.D
 Acq: 22 Mar 2022 15:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 410303

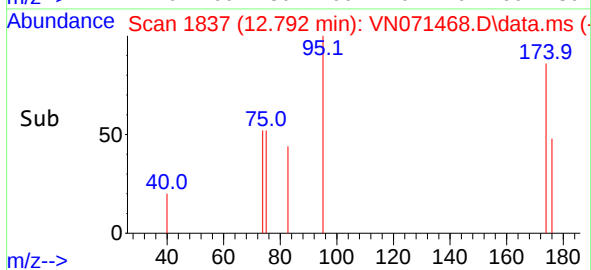
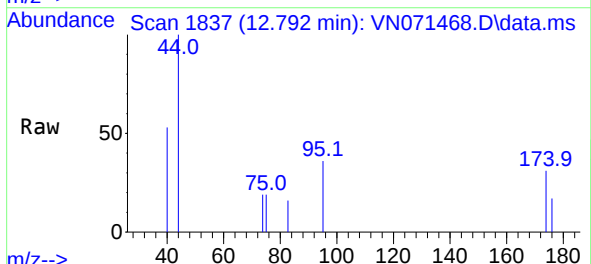
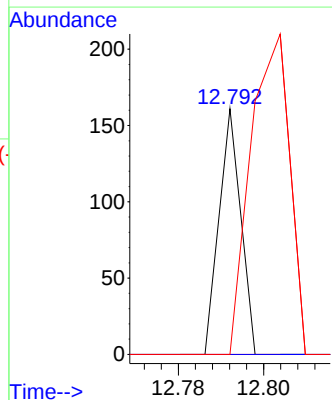
Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.5	82.5
150	155.4	0.0	344.4

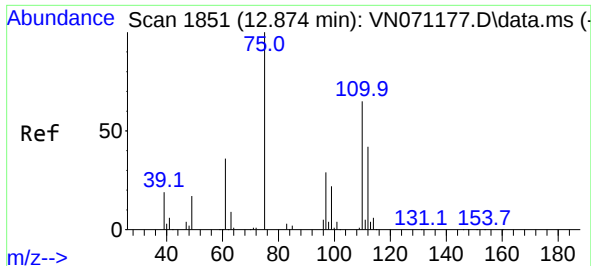


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.792 min Scan# 1837
 Delta R.T. -0.029 min
 Lab File: VN071468.D
 Acq: 22 Mar 2022 15:45

Tgt Ion: 83 Resp: 57

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	233.3	32.4	97.2#

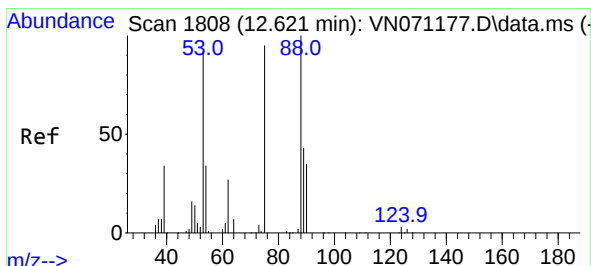
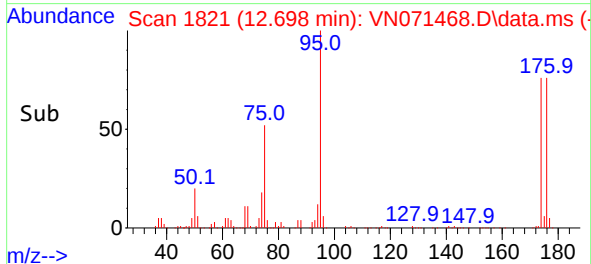
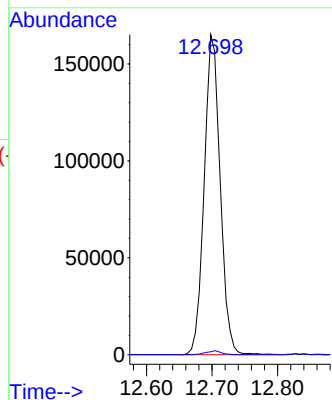
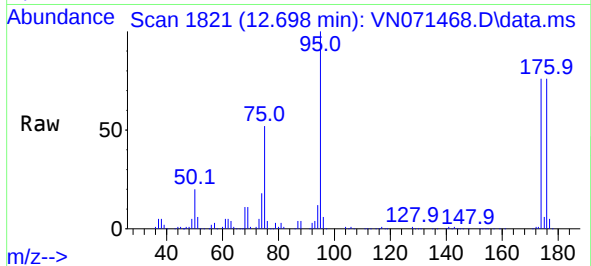




#76
1,2,3-Trichloropropane
Concen: 26.911 ug/l
RT: 12.698 min Scan# 1821
Delta R.T. -0.176 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

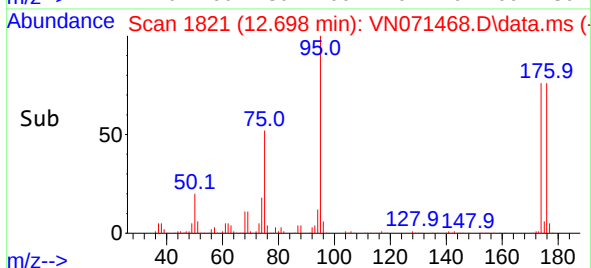
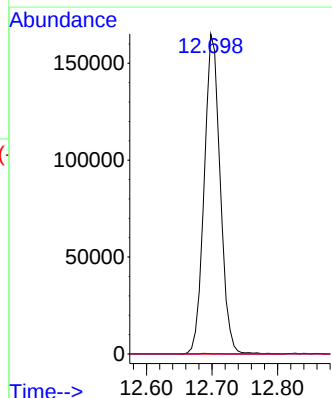
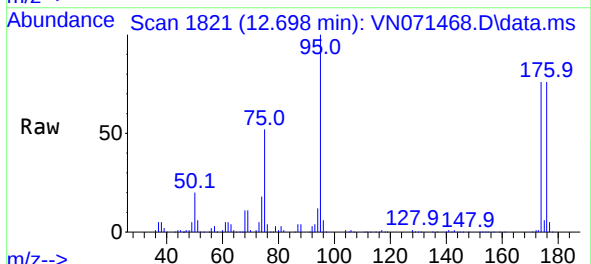
Instrument :
MSVOA_N
ClientSampleId :

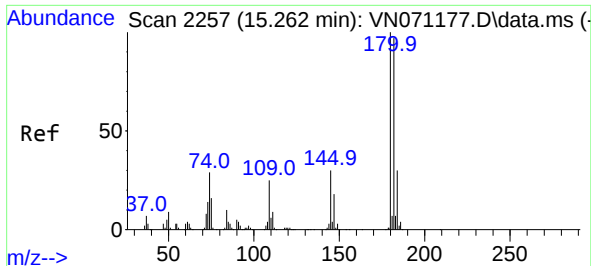
Tgt Ion: 75 Resp: 280570
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.920 ug/l
RT: 12.698 min Scan# 1821
Delta R.T. 0.077 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

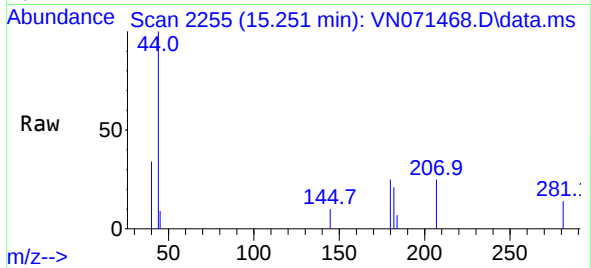
Tgt Ion: 75 Resp: 280570
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



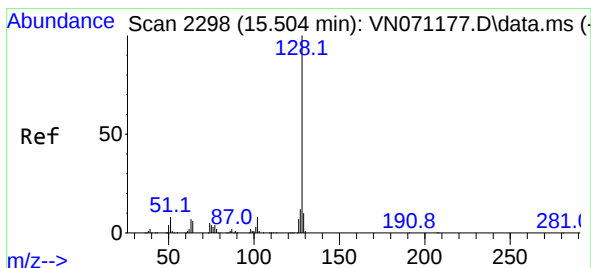
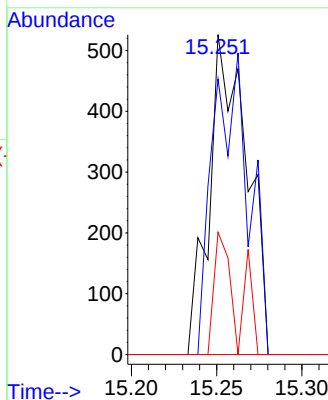
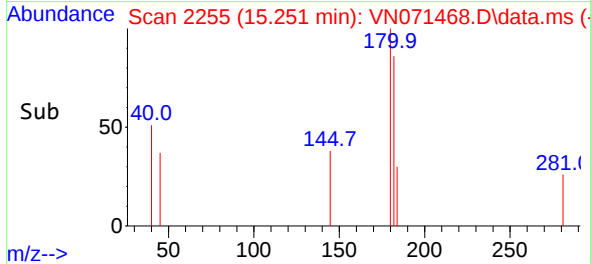


#93
1,2,4-Trichlorobenzene
Concen: 3.103 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45

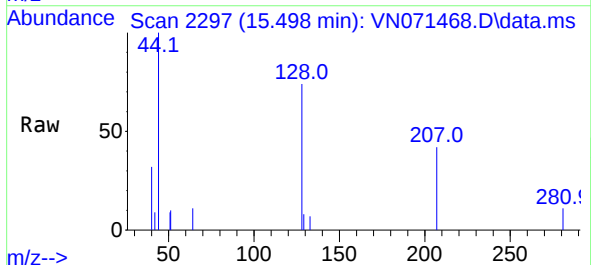
Instrument :
MSVOA_N
ClientSampleId :



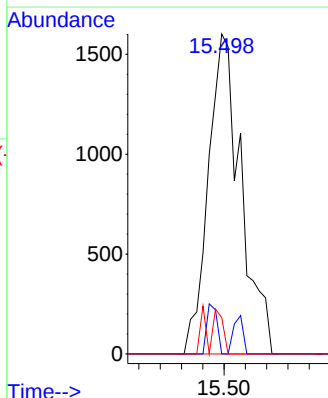
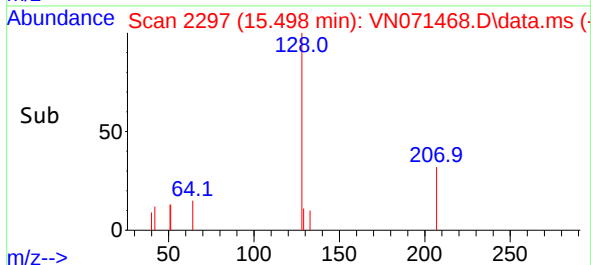
Tgt Ion:180 Resp: 814
Ion Ratio Lower Upper
180 100
182 88.8 48.3 144.9
145 23.1 14.5 43.5

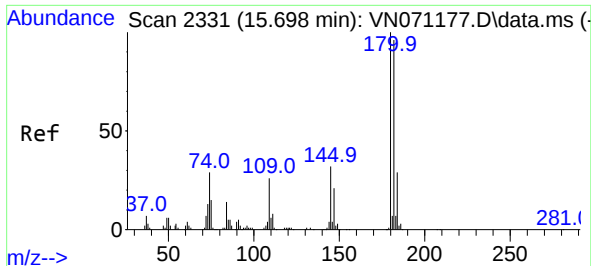


#95
Naphthalene
Concen: 5.230 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071468.D
Acq: 22 Mar 2022 15:45



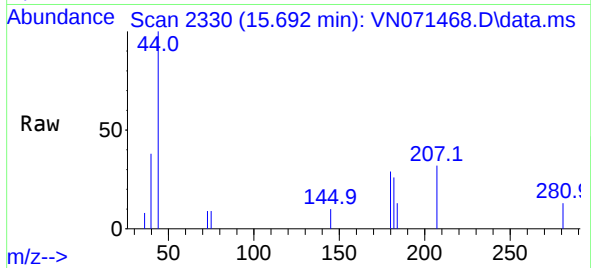
Tgt Ion:128 Resp: 3406
Ion Ratio Lower Upper
128 100
127 4.9 10.5 15.7#
129 4.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.879 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071468.D
 Acq: 22 Mar 2022 15:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1002
 Ion Ratio Lower Upper
 180 100
 182 91.7 47.4 142.2
 145 14.1 15.0 45.1#

