

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121121\
 Data File : VN070020.D
 Acq On : 11 Dec 2021 20:19
 Operator : JC/MD
 Sample : M4959-13ME
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:26:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

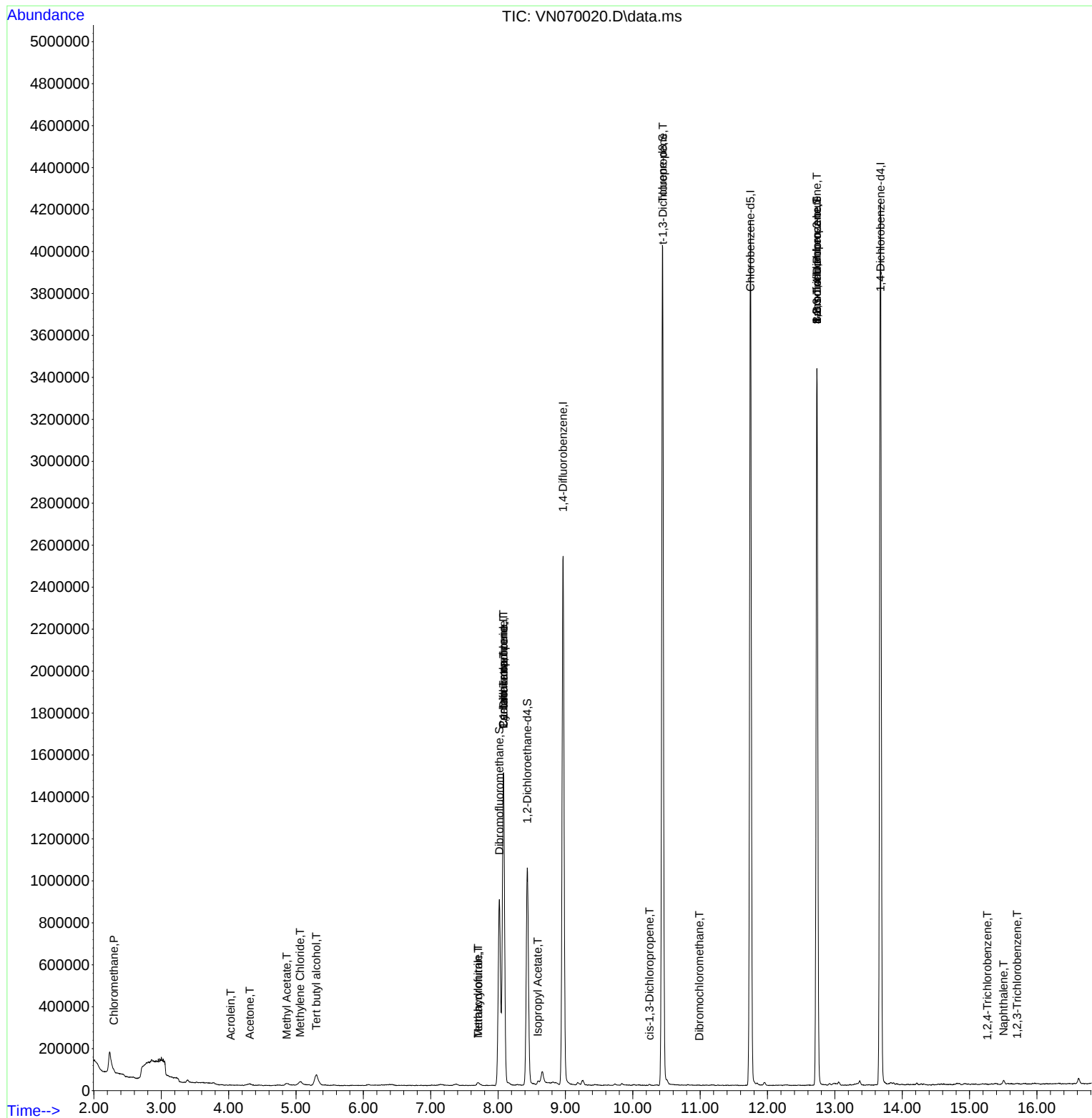
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	1121962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2115769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2244544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	1077031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	882387	50.937	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.880%	
35) Dibromofluoromethane	8.019	113	640582	48.336	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.680%	
50) Toluene-d8	10.443	98	2693603	50.618	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.733	95	1148831	59.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 119.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.295	50	3386	0.207	ug/l #	85
11) Tert butyl alcohol	5.302	59	55292	16.886	ug/l #	72
13) Acrolein	4.031	56	997	0.358	ug/l	97
16) Acetone	4.315	43	9604	0.922	ug/l	93
18) Methyl Acetate	4.865	43	23451	0.746	ug/l #	65
20) Methylene Chloride	5.060	84	9959	0.719	ug/l #	78
29) Tetrahydrofuran	7.705	42	11823	1.375	ug/l #	73
31) Cyclohexane	8.080	56	29416	1.220	ug/l #	47
36) 1,1-Dichloropropene	8.078	75	93184	4.626	ug/l #	45
38) Carbon Tetrachloride	8.078	117	116639	5.905	ug/l #	16
41) Methacrylonitrile	7.702	41	7749	0.551	ug/l #	34
43) Isopropyl Acetate	8.590	43	14969	0.337	ug/l #	55
53) t-1,3-Dichloropropene	10.446	75	676	2.820	ug/l #	1
54) cis-1,3-Dichloropropene	10.247	75	101	2.002	ug/l #	32
60) Dibromochloromethane	10.988	129	223	2.389	ug/l #	11
71) Bromoform	12.733	173	1160	2.811	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	645175	20.888	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	645175	66.873	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	351	2.897	ug/l #	76
95) Naphthalene	15.504	128	16518	4.274	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	299	2.452	ug/l #	54

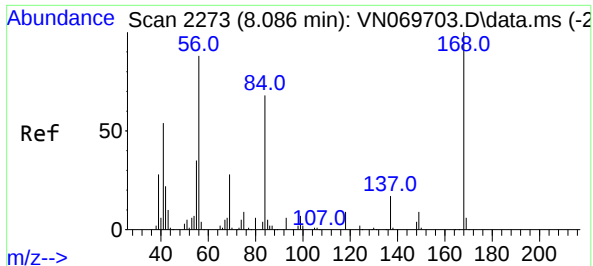
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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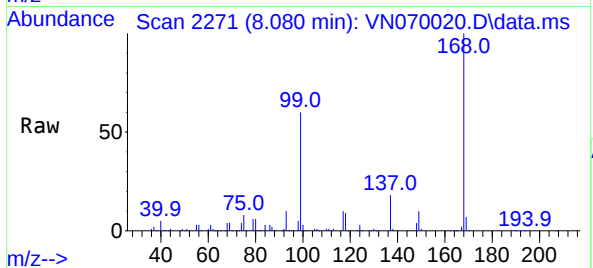
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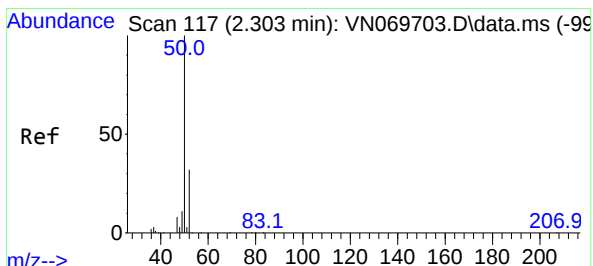
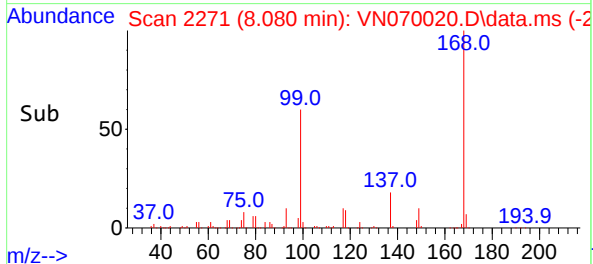
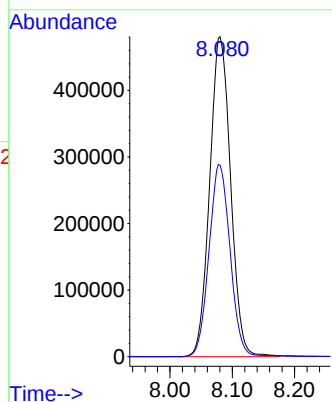


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
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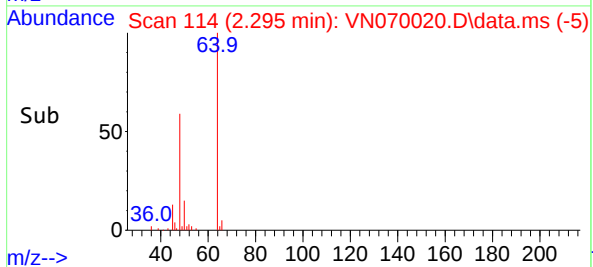
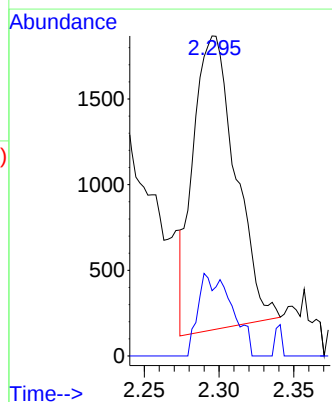
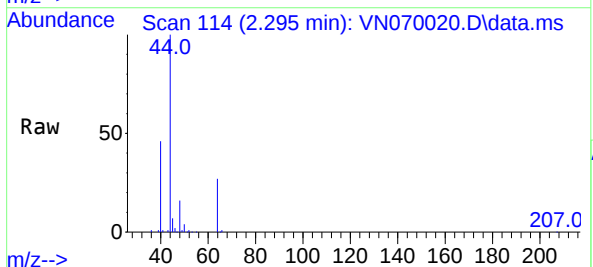


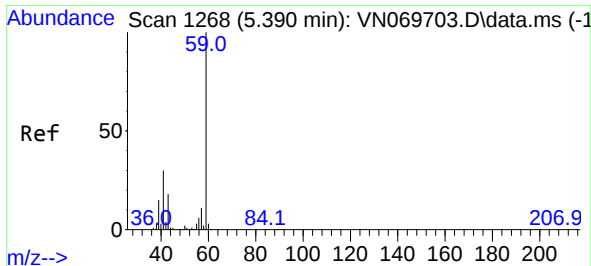
Tgt Ion:168 Resp: 1121962
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.295 min Scan# 114
Delta R.T. -0.008 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

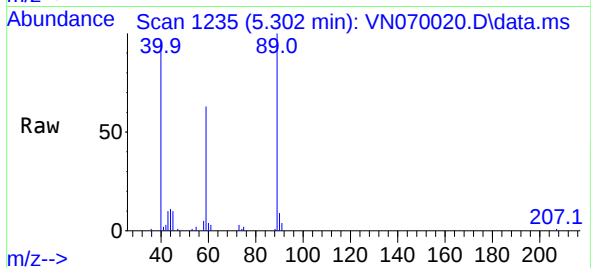
Tgt Ion: 50 Resp: 3386
Ion Ratio Lower Upper
50 100
52 23.2 25.4 38.0#



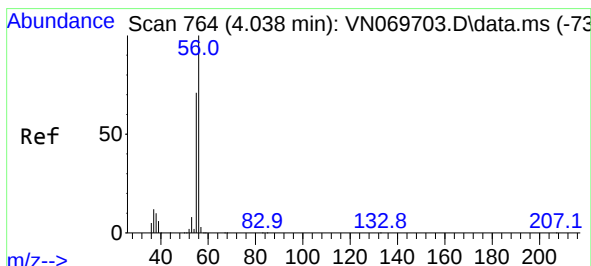
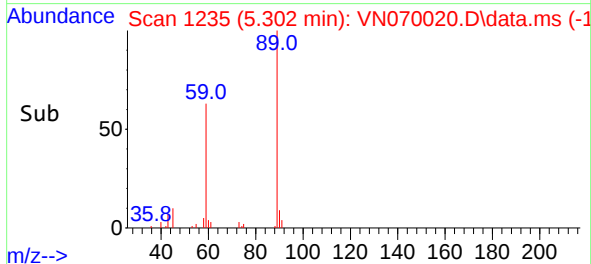
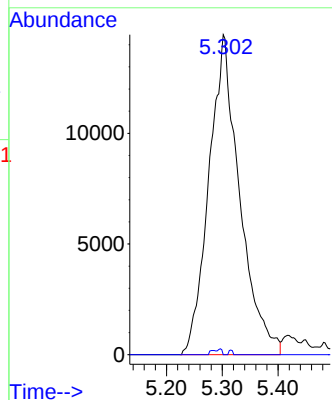


#11
Tert butyl alcohol
Concen: 16.886 ug/l
RT: 5.302 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :

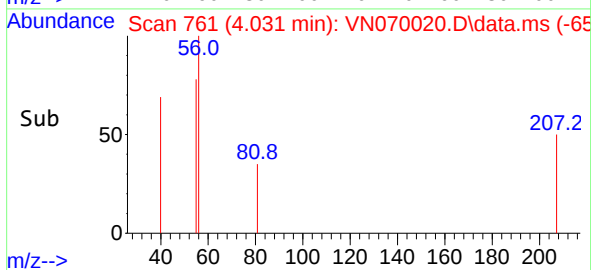
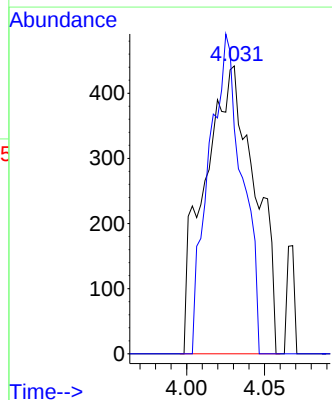
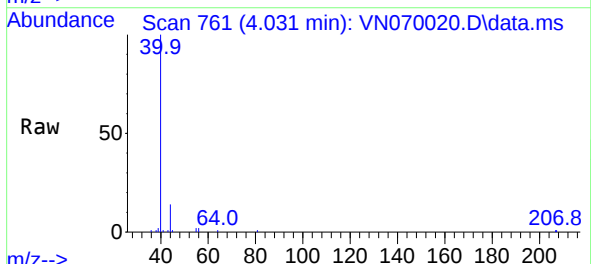


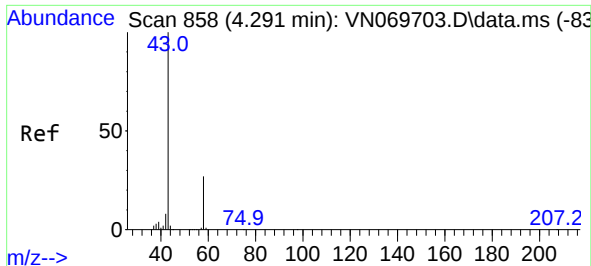
Tgt Ion: 59 Resp: 55292
Ion Ratio Lower Upper
59 100
57 0.3 8.7 13.1#



#13
Acrolein
Concen: 0.358 ug/l
RT: 4.031 min Scan# 761
Delta R.T. -0.008 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Tgt Ion: 56 Resp: 997
Ion Ratio Lower Upper
56 100
55 73.1 56.6 85.0

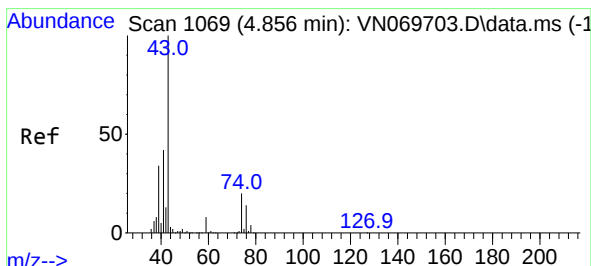
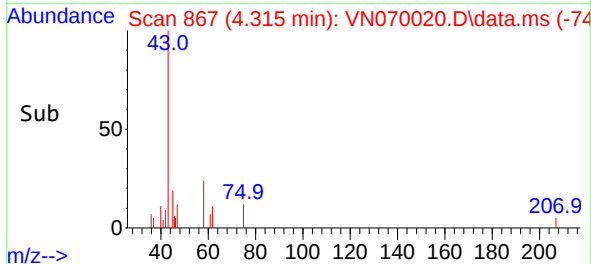
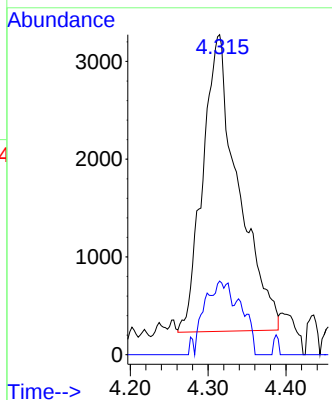
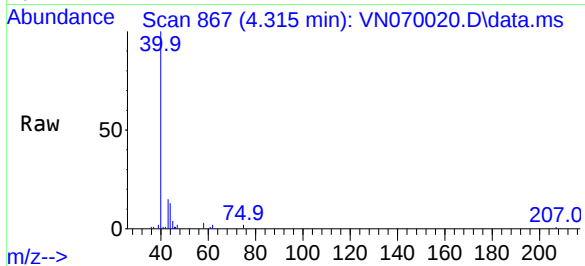




#16
Acetone
Concen: 0.922 ug/l
RT: 4.315 min Scan# 80
Delta R.T. 0.024 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

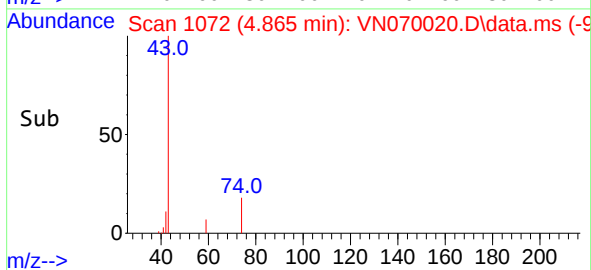
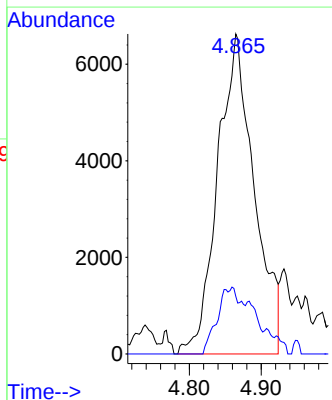
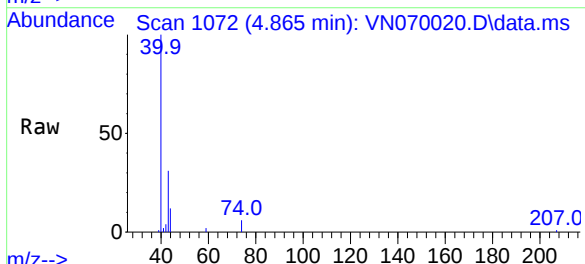
Instrument :
MSVOA_N
ClientSampleId :

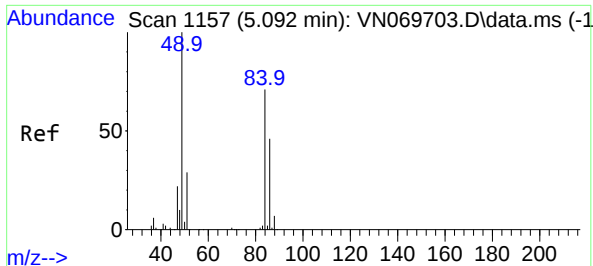
Tgt Ion: 43 Resp: 9604
Ion Ratio Lower Upper
43 100
58 25.0 23.1 34.7



#18
Methyl Acetate
Concen: 0.746 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

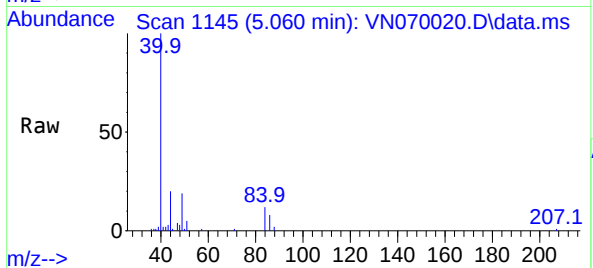
Tgt Ion: 43 Resp: 23451
Ion Ratio Lower Upper
43 100
74 6.7 19.4 29.2#





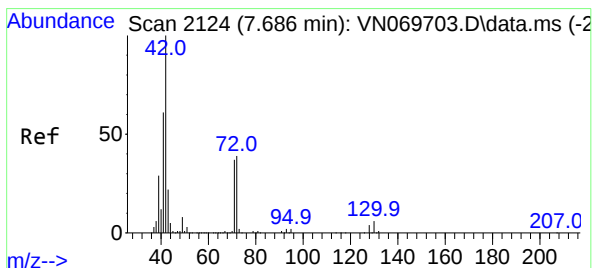
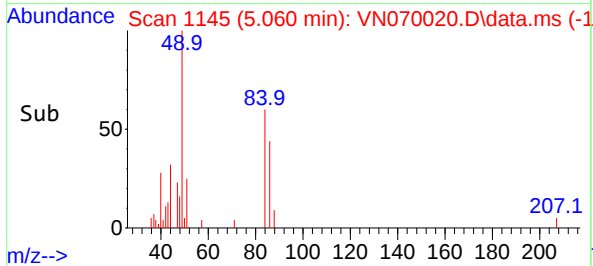
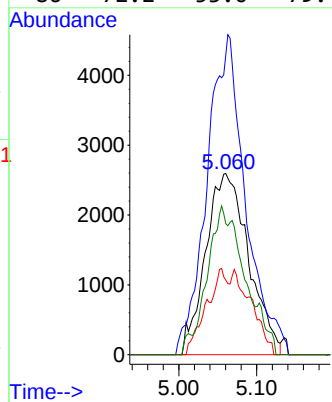
#20
Methylene Chloride
Concen: 0.719 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. -0.032 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 9959

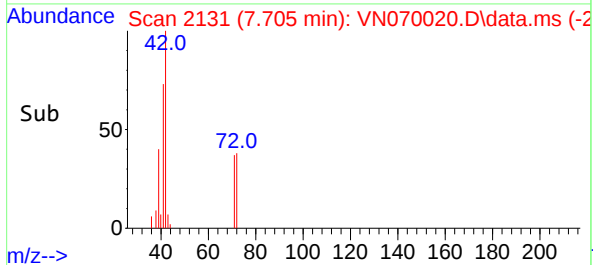
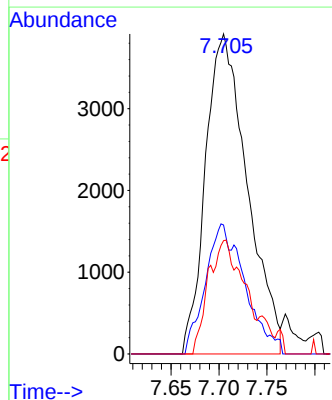
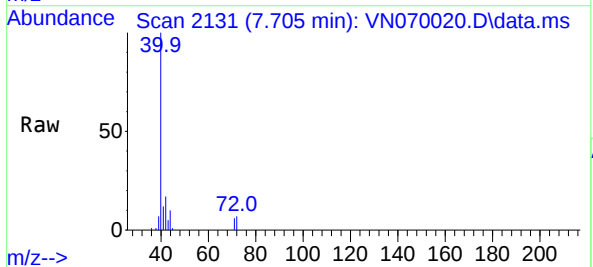
Ion	Ratio	Lower	Upper
84	100		
49	154.9	93.5	140.3#
51	41.2	29.4	44.2
86	72.2	53.0	79.4

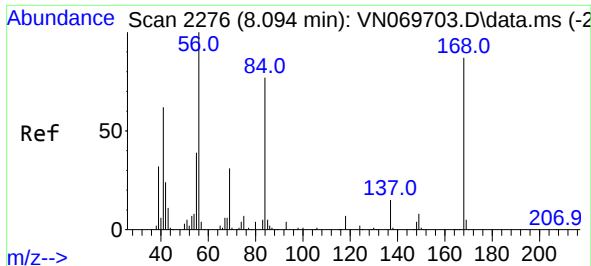


#29
Tetrahydrofuran
Concen: 1.375 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.019 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Tgt Ion: 42 Resp: 11823

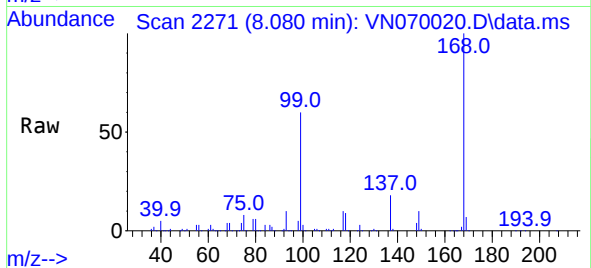
Ion	Ratio	Lower	Upper
42	100		
72	23.9	36.3	54.5#
71	29.8	34.7	52.1#



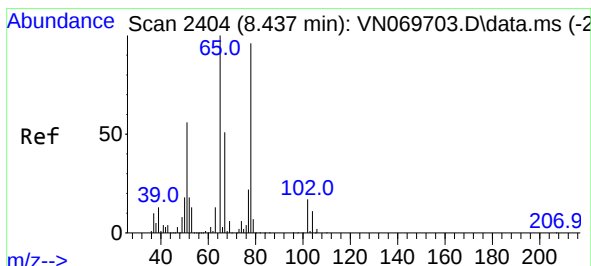
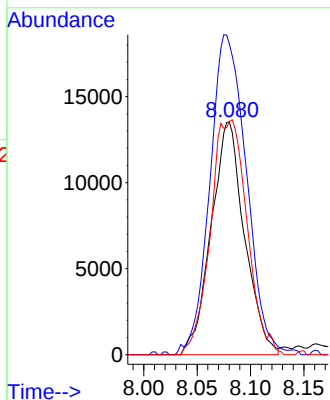
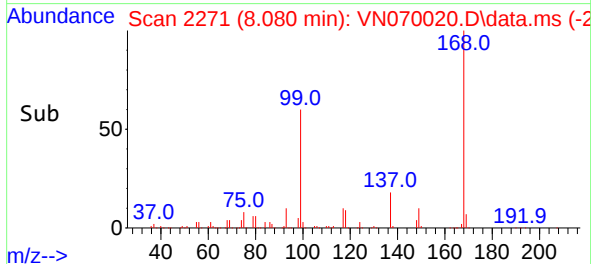


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
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ClientSampleId :

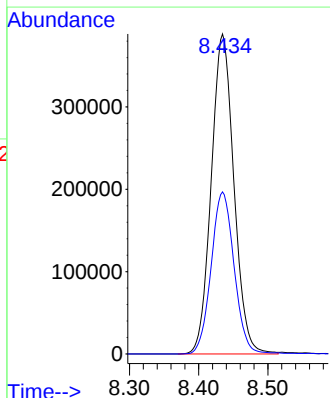
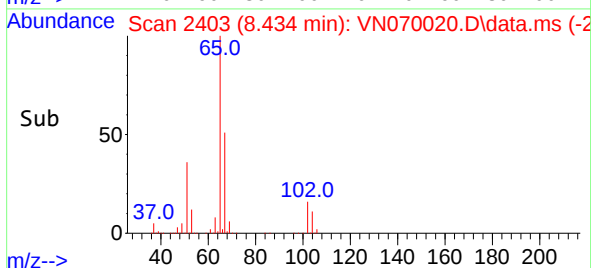
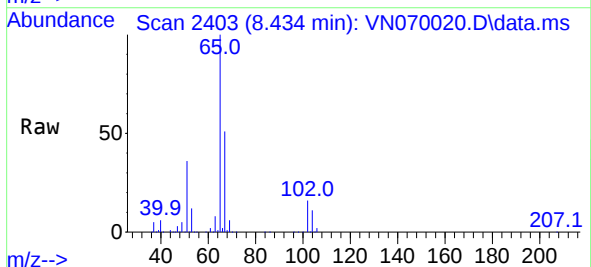


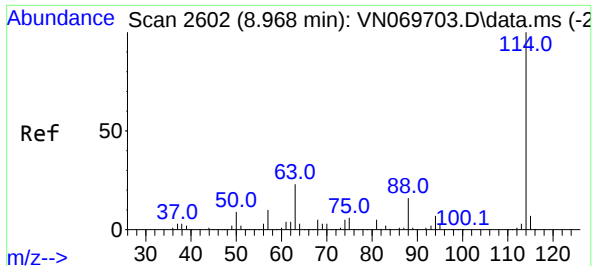
Tgt Ion: 56 Resp: 29416
Ion Ratio Lower Upper
56 100
69 132.1 27.1 40.7#
84 100.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.937 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Tgt Ion: 65 Resp: 882387
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070020.D

Acq: 11 Dec 2021 20:19

Instrument :

MSVOA_N

ClientSampleId :

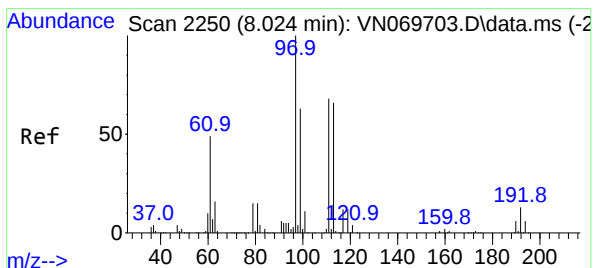
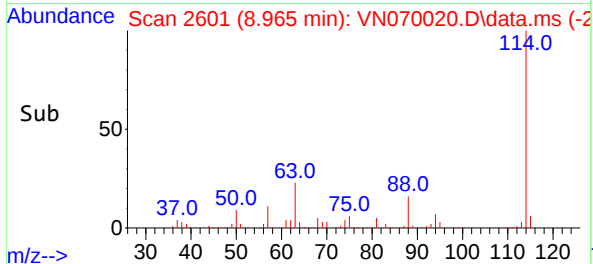
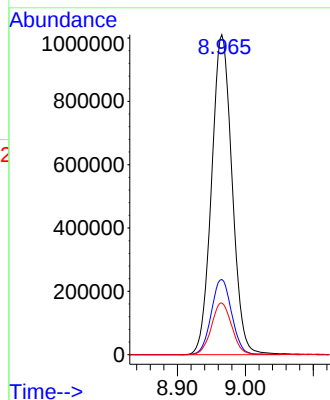
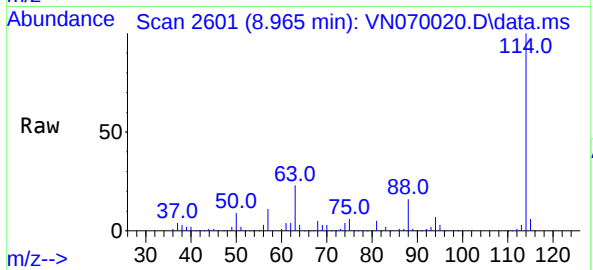
Tgt Ion:114 Resp: 2115769

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.336 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.005 min

Lab File: VN070020.D

Acq: 11 Dec 2021 20:19

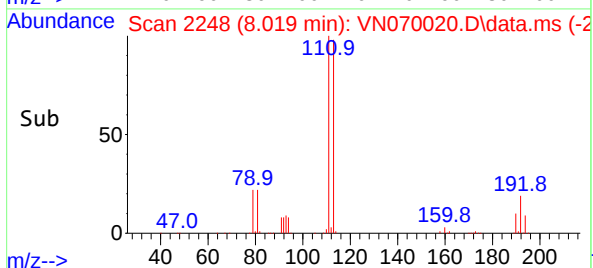
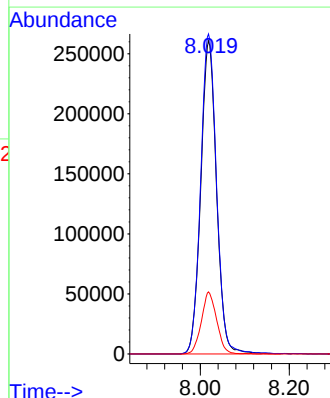
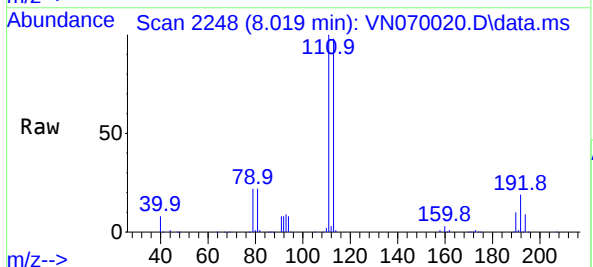
Tgt Ion:113 Resp: 640582

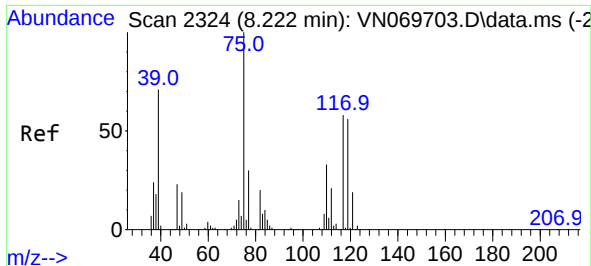
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

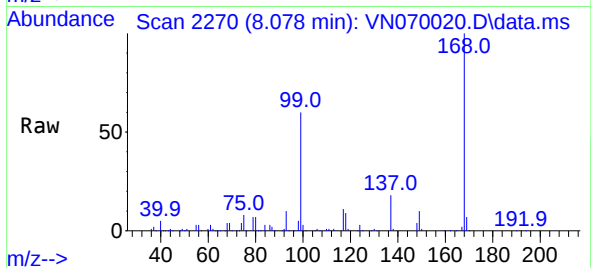
192 19.2 16.9 25.3



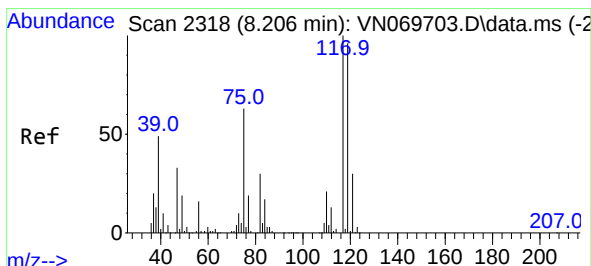
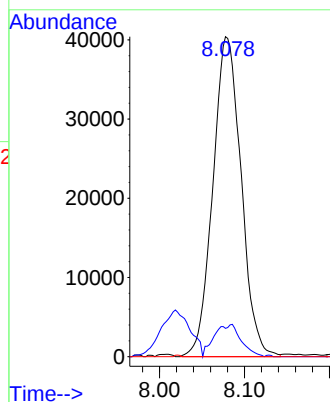
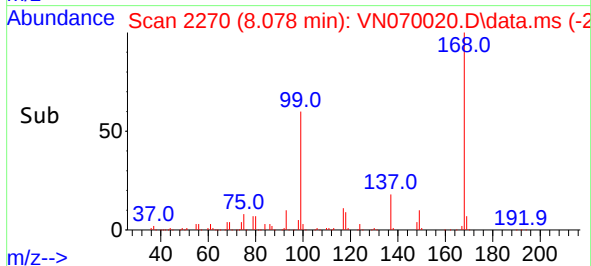


#36
1,1-Dichloropropene
Concen: 4.626 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.145 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

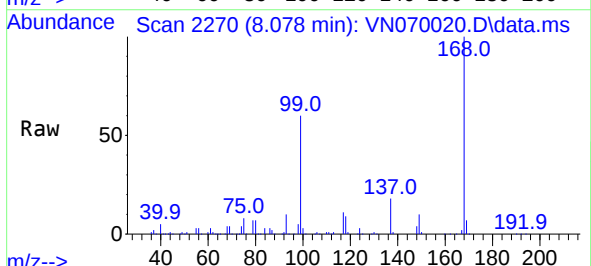
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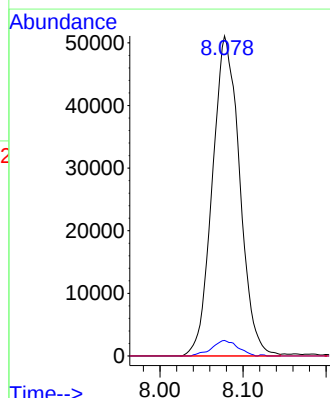
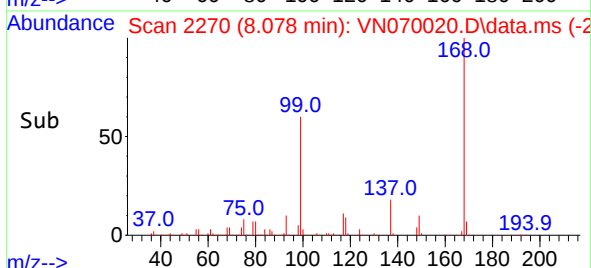
Tgt Ion: 75 Resp: 93184
Ion Ratio Lower Upper
75 100
110 4.6 18.4 55.2#
77 0.0 24.4 36.6#

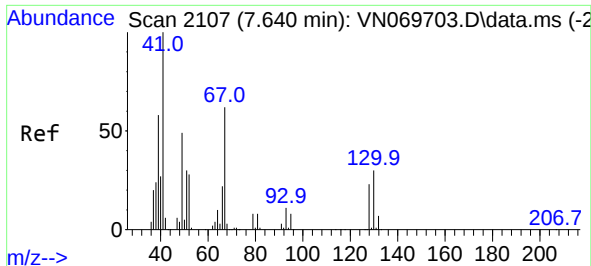


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.129 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19



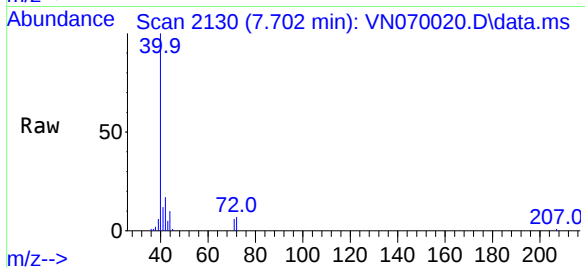
Tgt Ion: 117 Resp: 116639
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



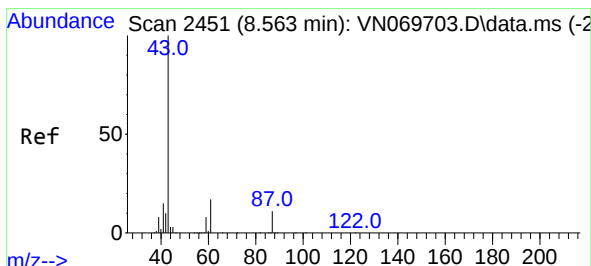
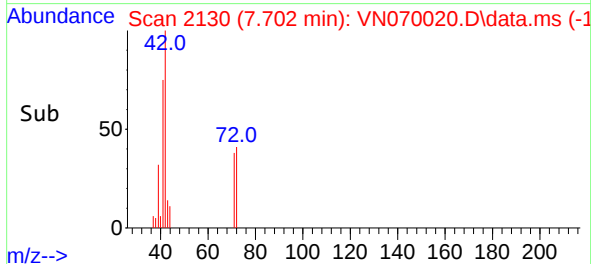
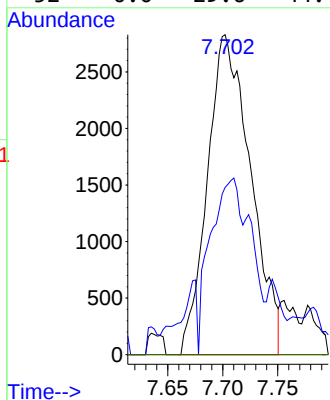


#41
Methacrylonitrile
Concen: 0.551 ug/l
RT: 7.702 min Scan# 2107
Delta R.T. 0.062 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :

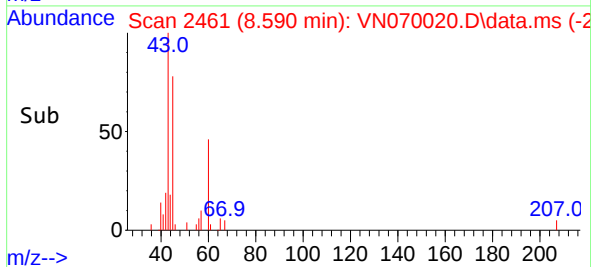
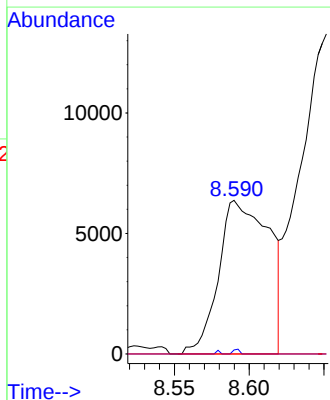
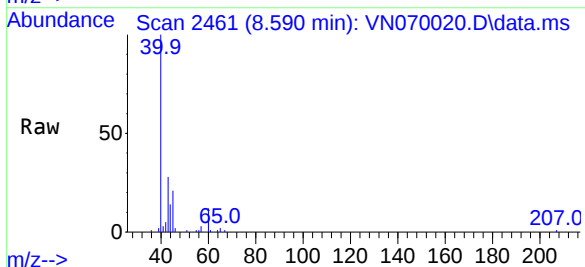


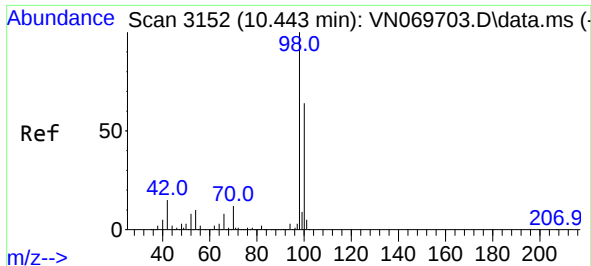
Tgt Ion: 41 Resp: 7749
Ion Ratio Lower Upper
41 100
39 38.5 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#43
Isopropyl Acetate
Concen: 0.337 ug/l
RT: 8.590 min Scan# 2461
Delta R.T. 0.027 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

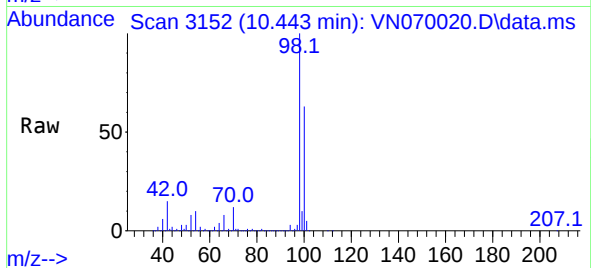
Tgt Ion: 43 Resp: 14969
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



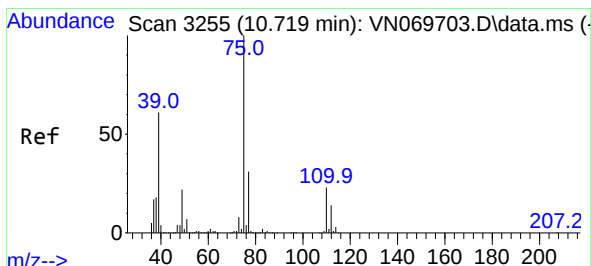
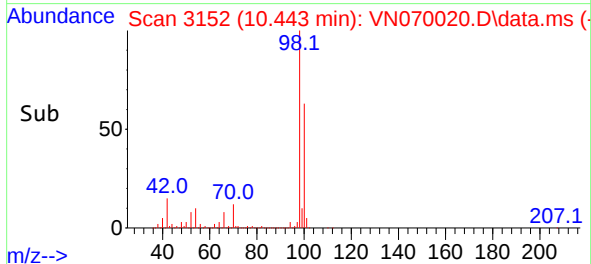
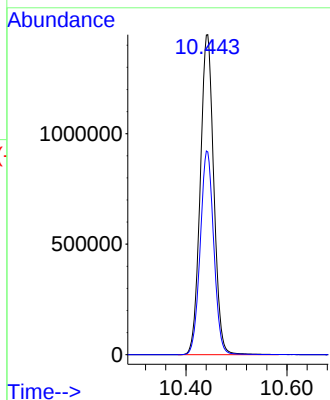


#50
Toluene-d8
Concen: 50.618 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :

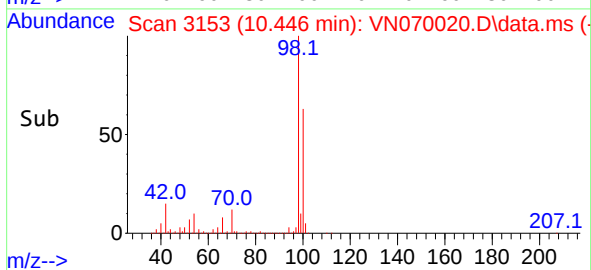
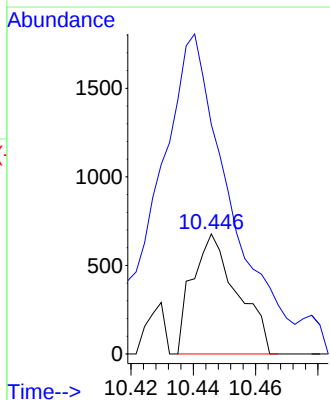
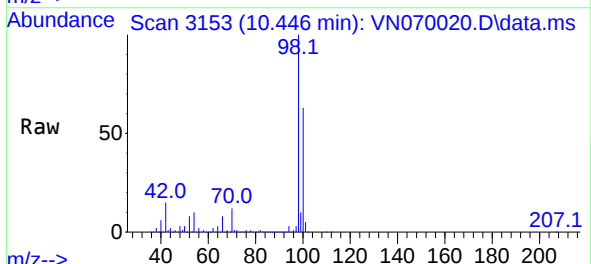


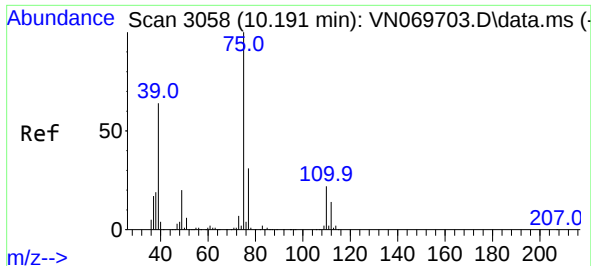
Tgt Ion: 98 Resp: 2693603
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.820 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.273 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

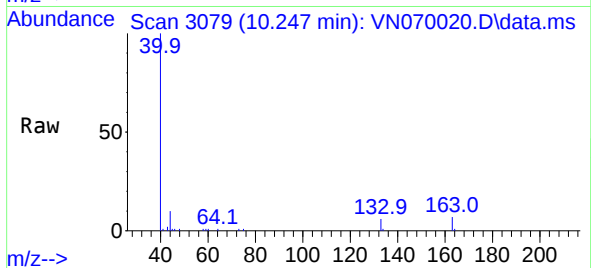
Tgt Ion: 75 Resp: 676
Ion Ratio Lower Upper
75 100
77 150.3 25.6 38.4#





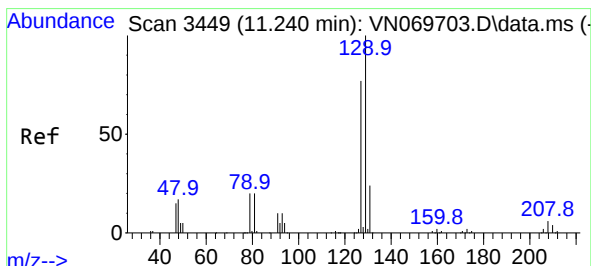
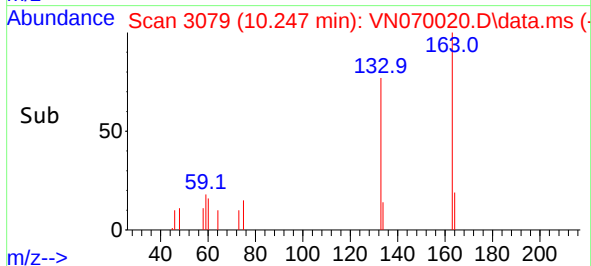
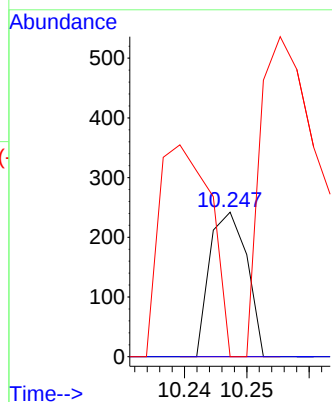
#54
 cis-1,3-Dichloropropene
 Concen: 2.002 ug/l
 RT: 10.247 min Scan# 3058
 Delta R.T. 0.056 min
 Lab File: VN070020.D
 Acq: 11 Dec 2021 20:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 101

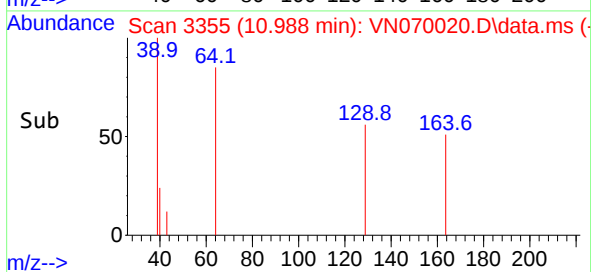
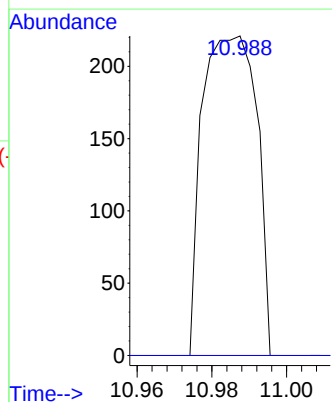
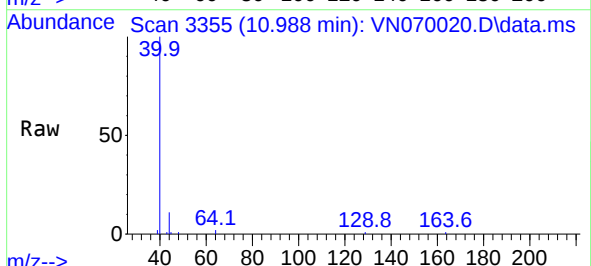
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	0.0	42.5	63.7#

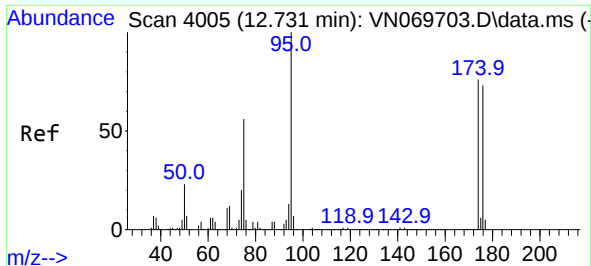


#60
 Dibromochloromethane
 Concen: 2.389 ug/l
 RT: 10.988 min Scan# 3355
 Delta R.T. -0.252 min
 Lab File: VN070020.D
 Acq: 11 Dec 2021 20:19

Tgt Ion: 129 Resp: 223

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#

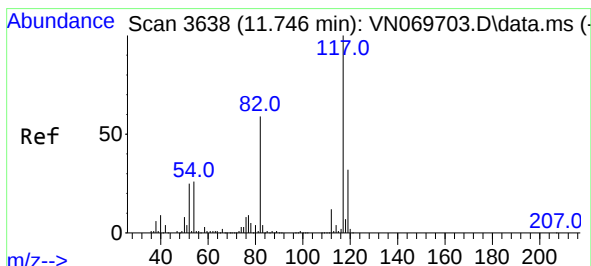
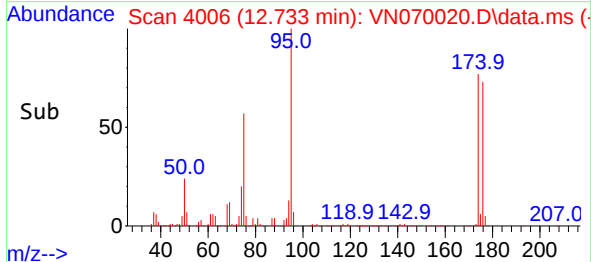
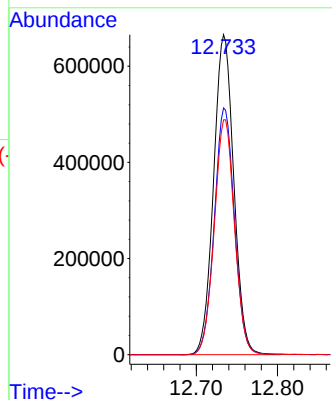
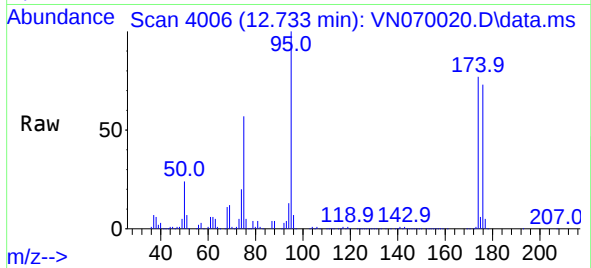




#62
4-Bromofluorobenzene
Concen: 59.592 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

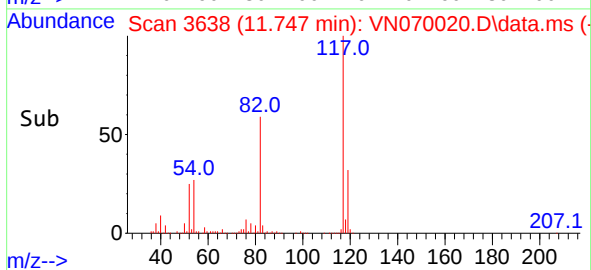
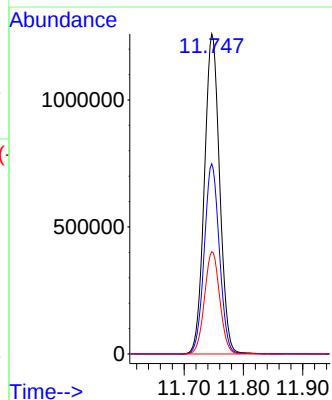
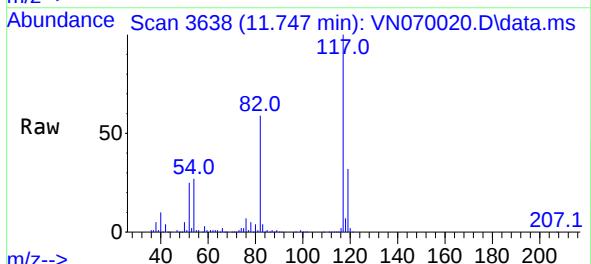
Instrument :
MSVOA_N
ClientSampleId :

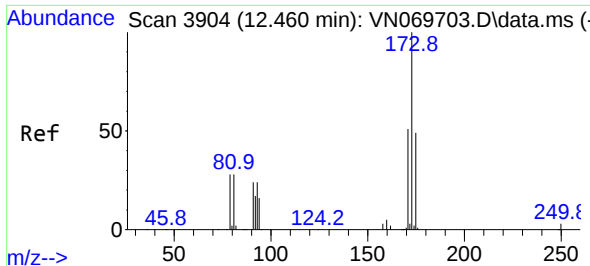
Tgt Ion: 95 Resp: 1148831
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Tgt Ion: 117 Resp: 2244544
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.9 25.4 38.2

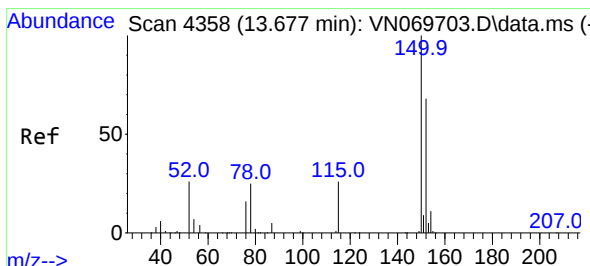
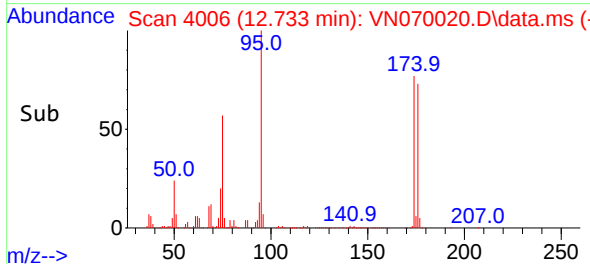
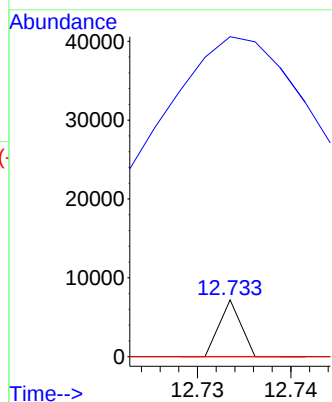
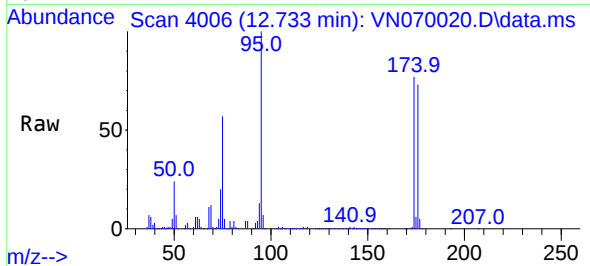




#71
Bromoform
Concen: 2.811 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

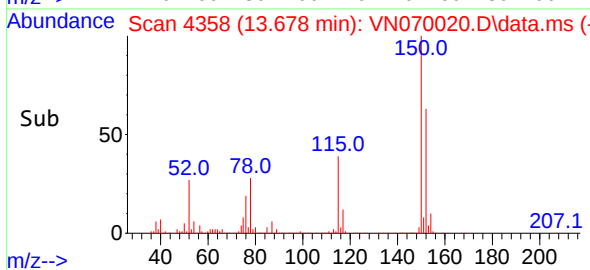
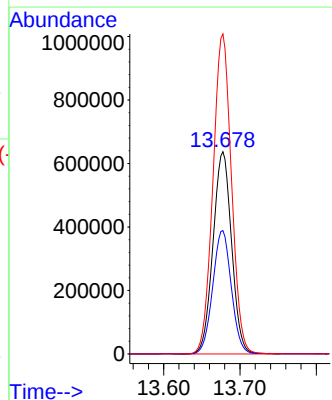
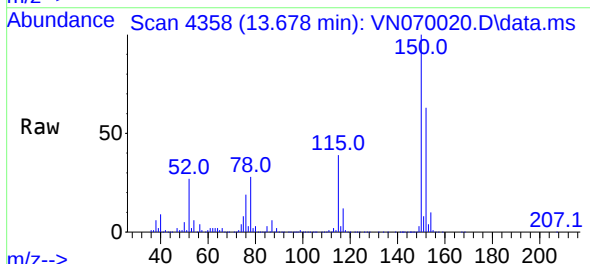
Instrument :
MSVOA_N
ClientSampleId :

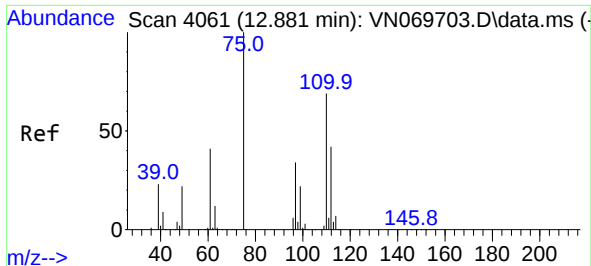
Tgt Ion:173 Resp: 1160
Ion Ratio Lower Upper
173 100
175 5451.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Tgt Ion:152 Resp: 1077031
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.6 0.0 344.4

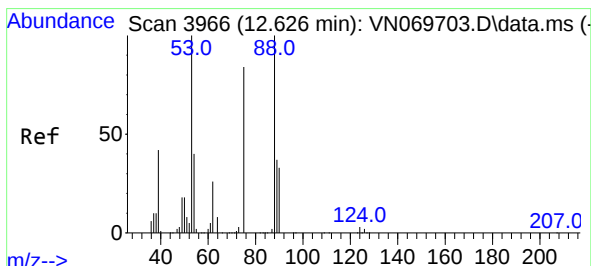
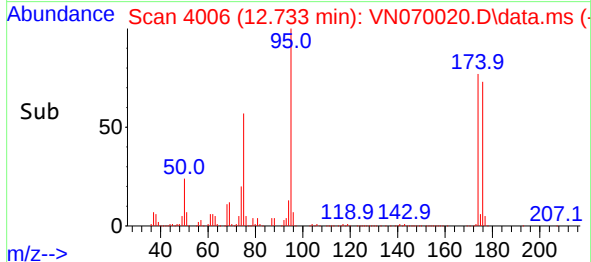
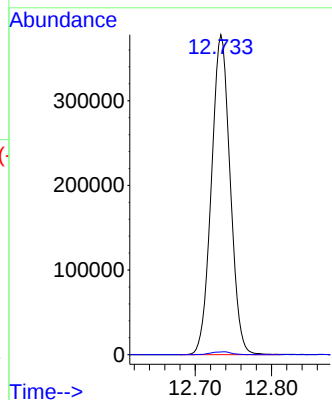
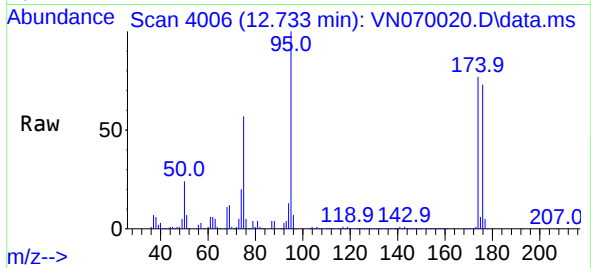




#76
1,2,3-Trichloropropane
Concen: 20.888 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

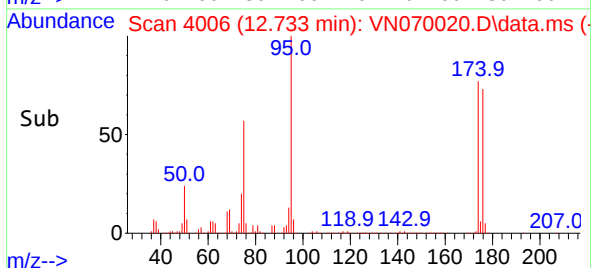
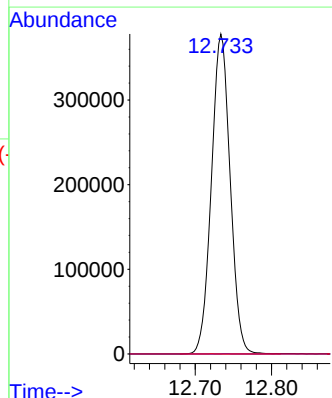
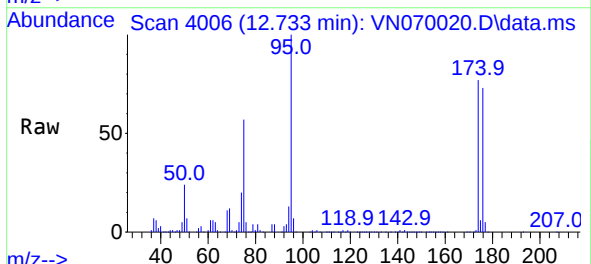
Instrument :
MSVOA_N
ClientSampleId :

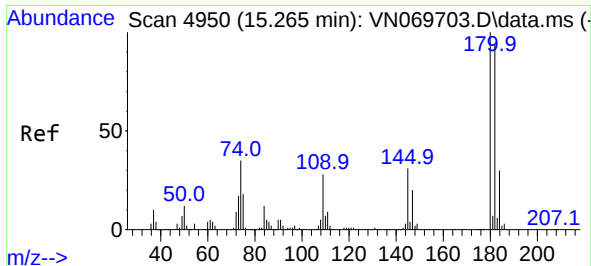
Tgt Ion: 75 Resp: 645175
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.873 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

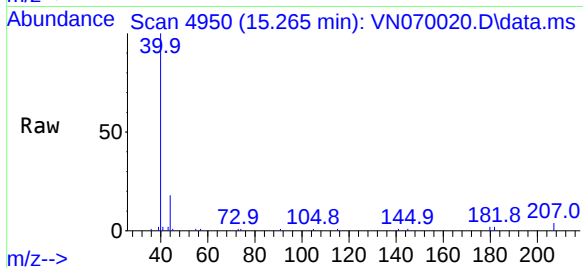
Tgt Ion: 75 Resp: 645175
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



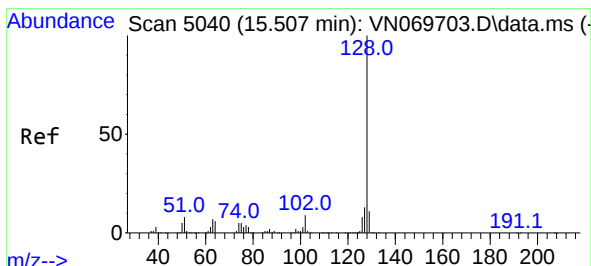
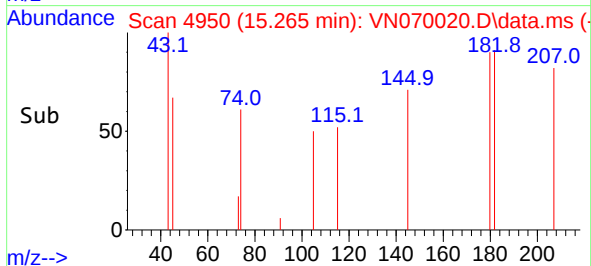
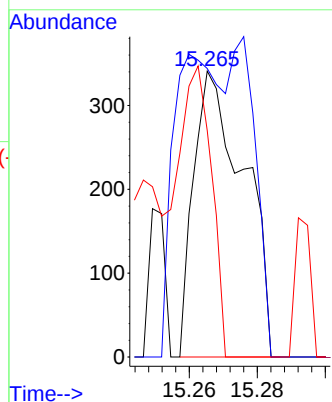


#93
1,2,4-Trichlorobenzene
Concen: 2.897 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :

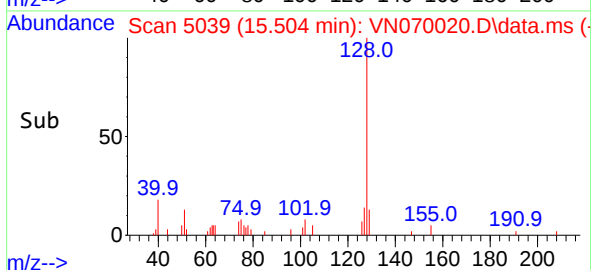
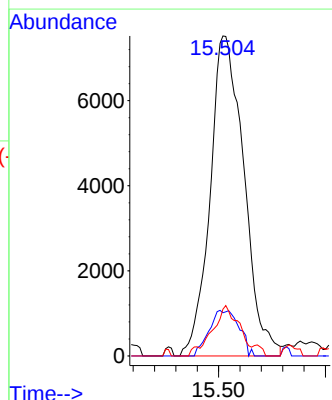
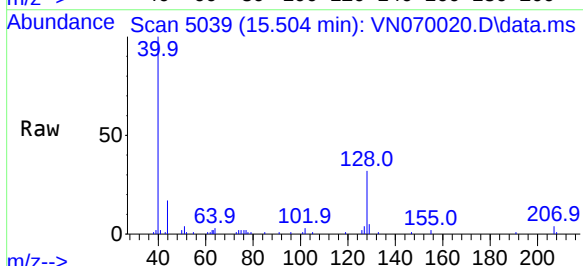


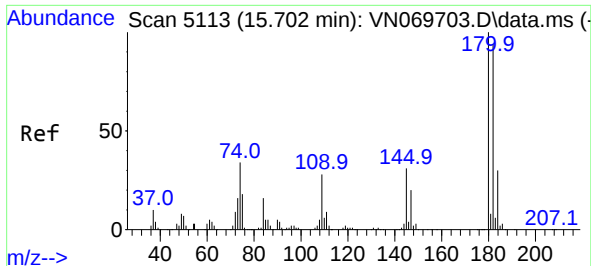
Tgt Ion:180 Resp: 351
Ion Ratio Lower Upper
180 100
182 104.6 48.3 144.9
145 70.1 14.5 43.5#



#95
Naphthalene
Concen: 4.274 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070020.D
Acq: 11 Dec 2021 20:19

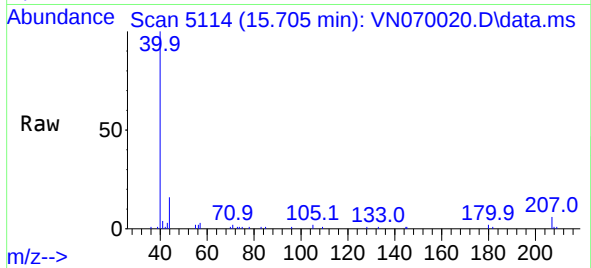
Tgt Ion:128 Resp: 16518
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 12.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.452 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN070020.D
 Acq: 11 Dec 2021 20:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	299
Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.4	142.2
145	126.8	15.0	45.1#

