

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071056.D
 Acq On : 24 Feb 2022 15:32
 Operator : JC\MD
 Sample : N1642-06 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31458

Quant Time: Feb 25 02:44:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	829773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1319388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1158294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	408785	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	507245	53.515	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	107.020%
35) Dibromofluoromethane	8.016	113	386217	49.214	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.420%
50) Toluene-d8	10.439	98	1593694	50.568	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.727	95	536631	47.637	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.280%

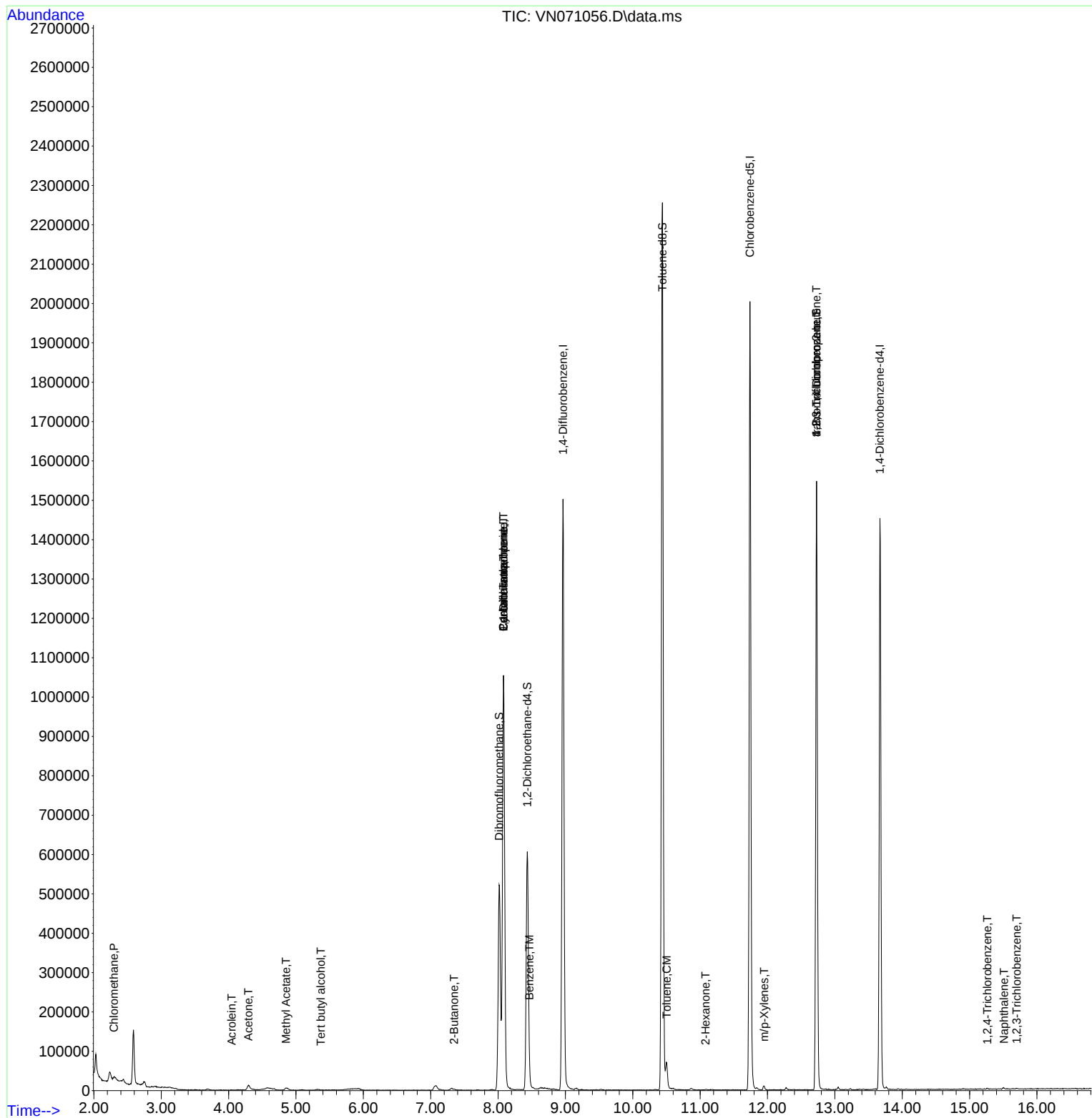
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	3183	0.294	ug/l #	67
11) Tert butyl alcohol	5.369	59	527	0.305	ug/l	98
13) Acrolein	4.046	56	339	0.220	ug/l #	36
16) Acetone	4.293	43	19717	3.777	ug/l #	85
18) Methyl Acetate	4.851	43	12896	0.532	ug/l	90
25) 2-Butanone	7.345	43	4148	0.597	ug/l	98
31) Cyclohexane	8.081	56	16898	1.031	ug/l #	24
36) 1,1-Dichloropropene	8.081	75	61200	4.760	ug/l #	49
38) Carbon Tetrachloride	8.081	117	79531	6.278	ug/l #	17
40) Benzene	8.463	78	13720	0.361	ug/l	93
52) Toluene	10.504	92	24327	1.018	ug/l	97
59) 2-Hexanone	11.080	43	1947	0.214	ug/l	73
68) m/p-Xylenes	11.951	106	3454	0.205	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	269224	27.972	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	269224	90.641	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	927	2.117	ug/l	68
95) Naphthalene	15.510	128	3027	5.139	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.698	180	928	2.643	ug/l #	78

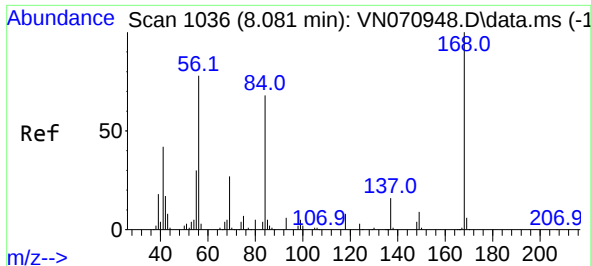
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

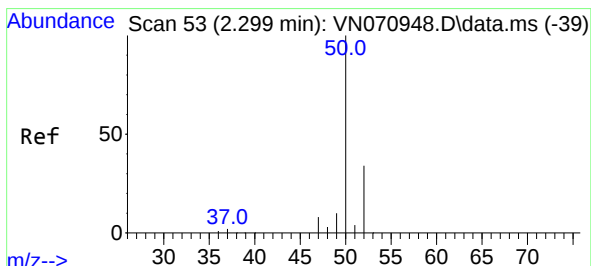
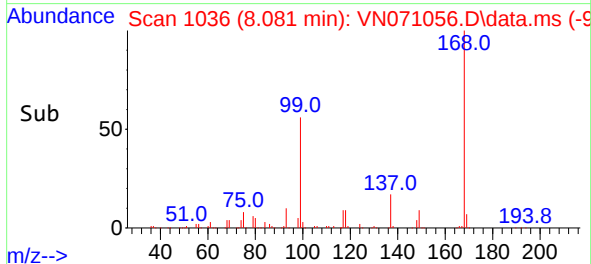
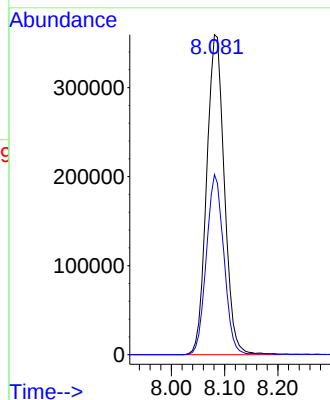
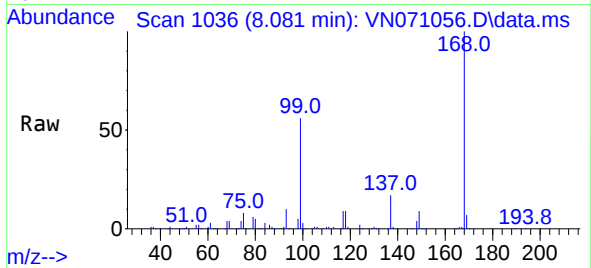




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

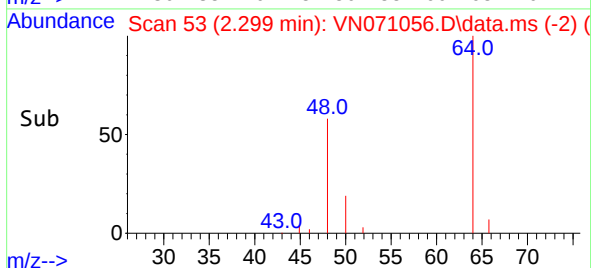
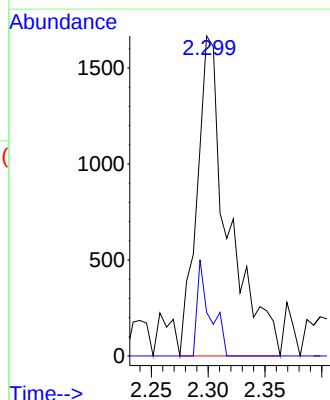
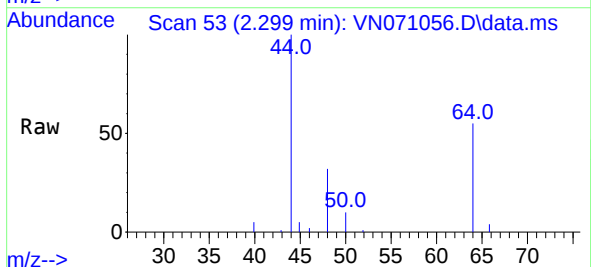
Instrument :
MSVOA_N
ClientSampleId :
31458

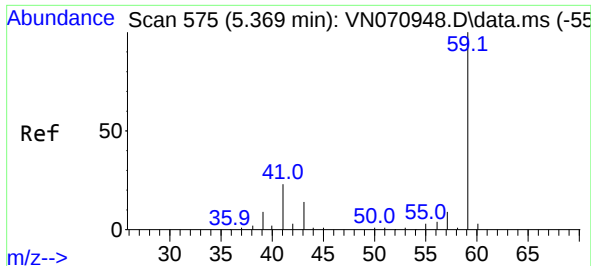
Tgt Ion:168 Resp: 829773
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 50 Resp: 3183
Ion Ratio Lower Upper
50 100
52 13.6 25.4 38.0#

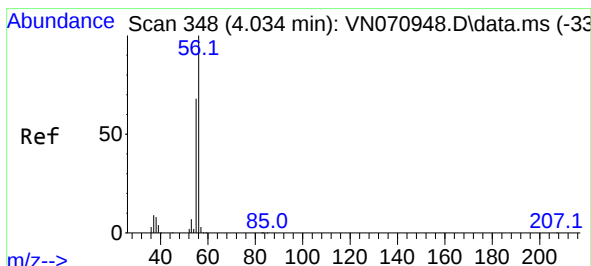
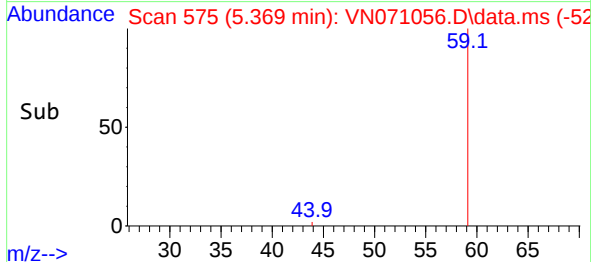
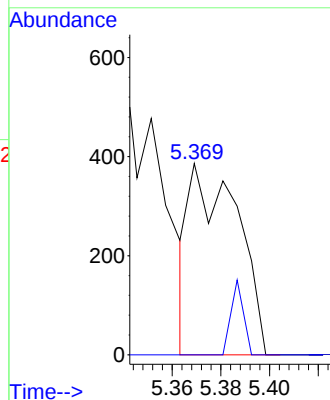
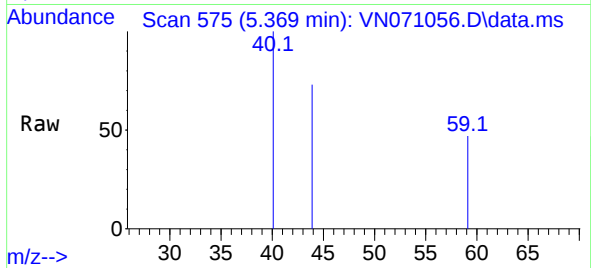




#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

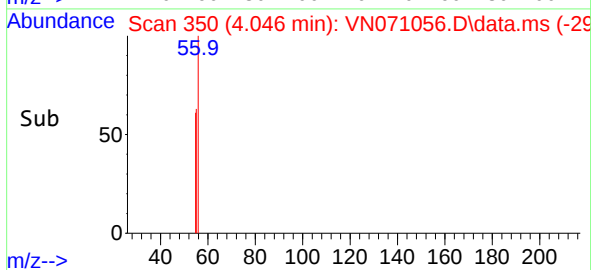
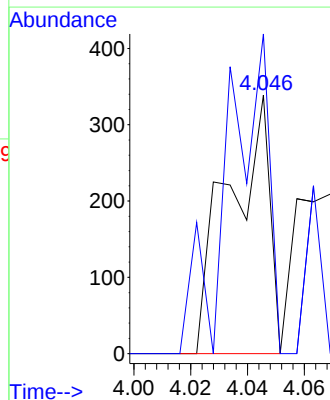
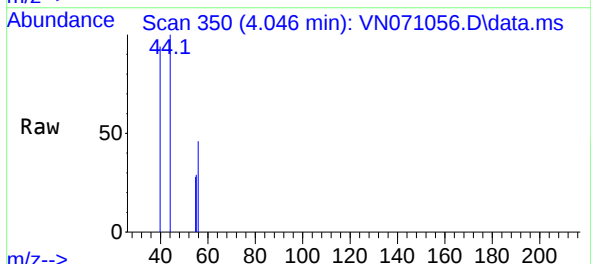
Instrument :
MSVOA_N
ClientSampleId :
31458

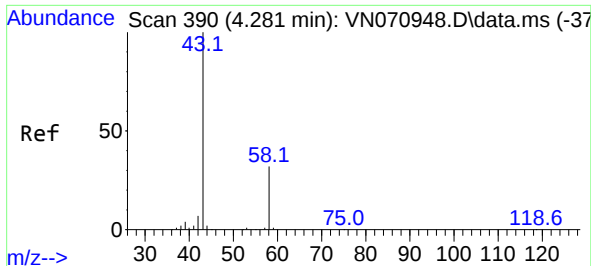
Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1



#13
Acrolein
Concen: 0.220 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.012 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 123.9 56.6 85.0#

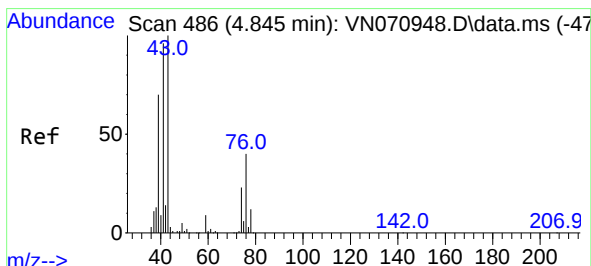
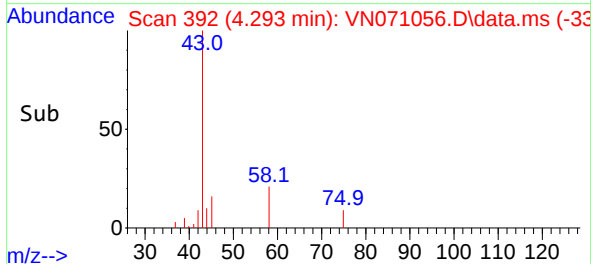
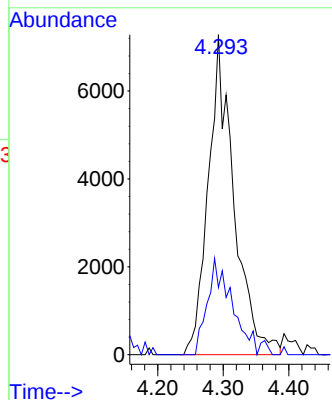
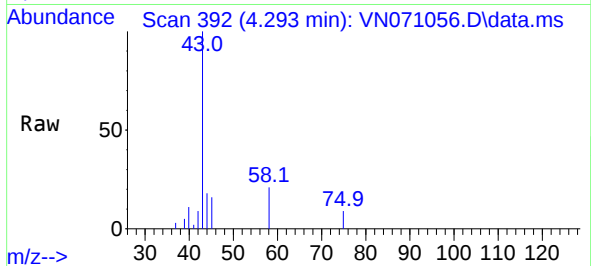




#16
Acetone
Concen: 3.777 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

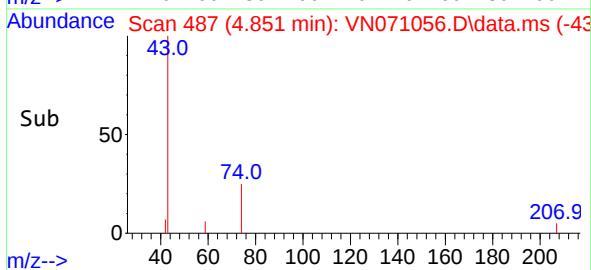
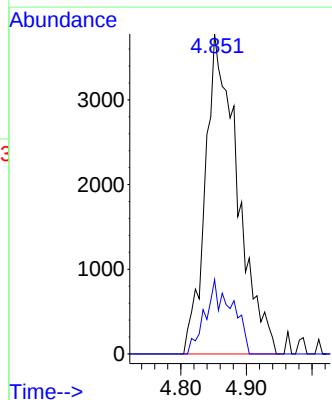
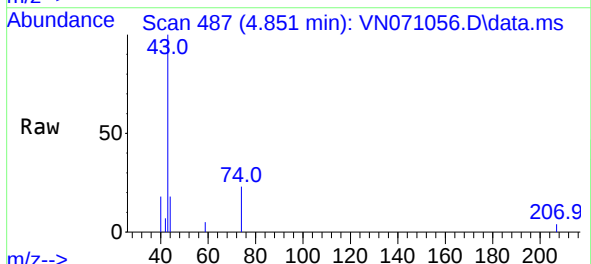
Instrument :
MSVOA_N
ClientSampleId :
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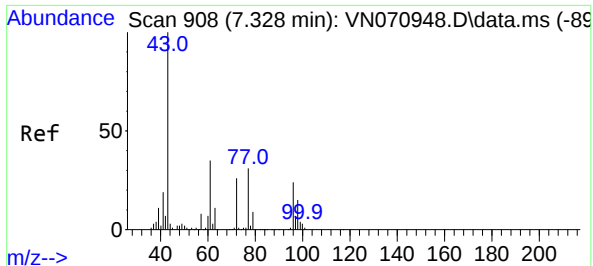
Tgt Ion: 43 Resp: 19717
Ion Ratio Lower Upper
43 100
58 21.0 23.1 34.7#



#18
Methyl Acetate
Concen: 0.532 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 43 Resp: 12896
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2

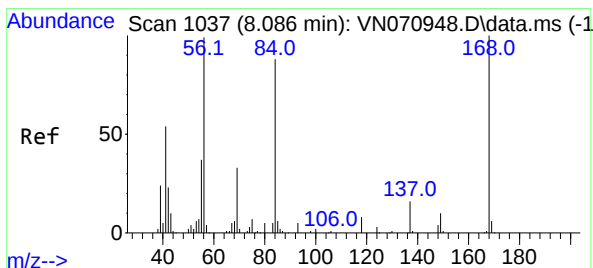
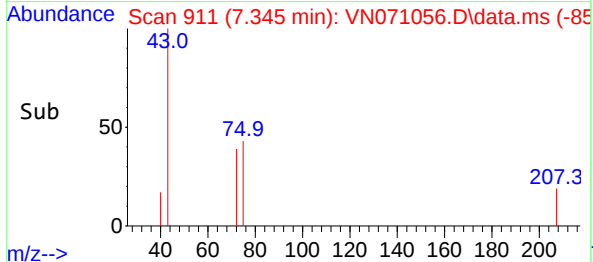
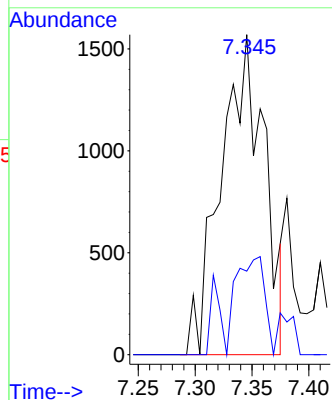
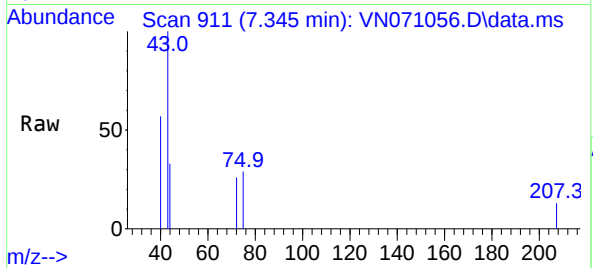




#25
2-Butanone
Concen: 0.597 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

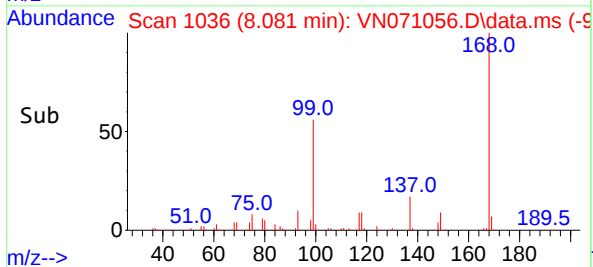
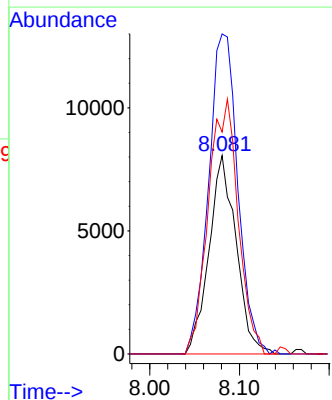
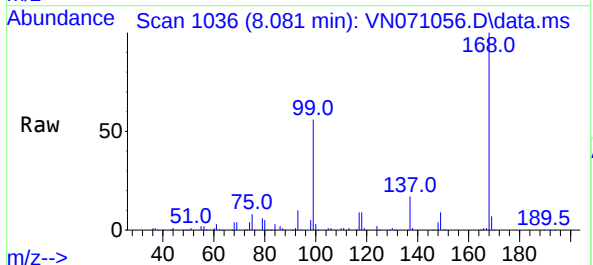
Instrument :
MSVOA_N
ClientSampleId :
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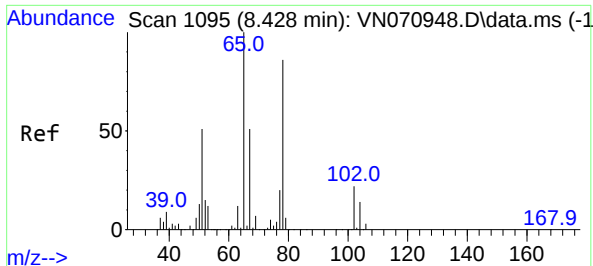
Tgt Ion: 43 Resp: 4148
Ion Ratio Lower Upper
43 100
72 26.1 21.7 32.5



#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 56 Resp: 16898
Ion Ratio Lower Upper
56 100
69 161.3 27.1 40.7#
84 111.9 73.4 110.0#

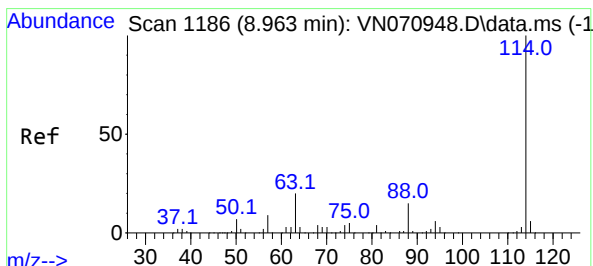
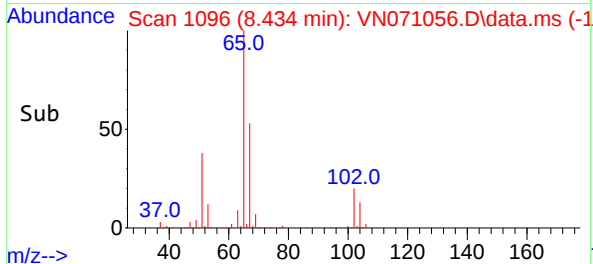
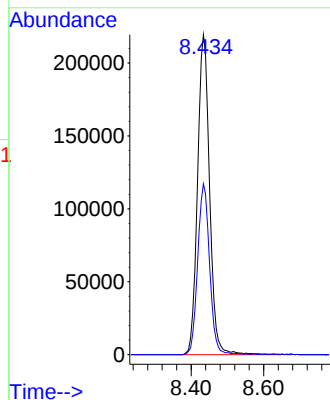
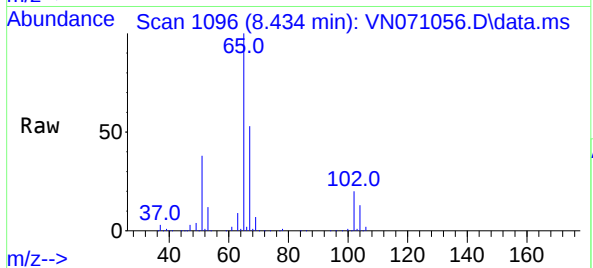




#33
1,2-Dichloroethane-d4
Concen: 53.515 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

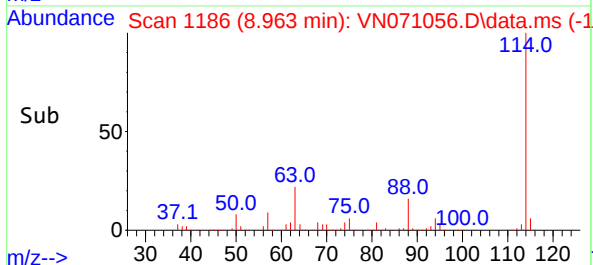
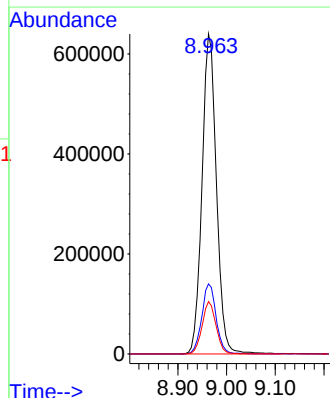
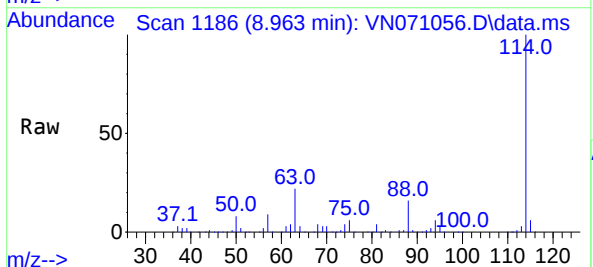
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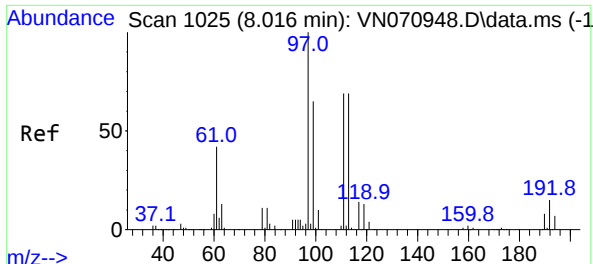
Tgt Ion: 65 Resp: 507245
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

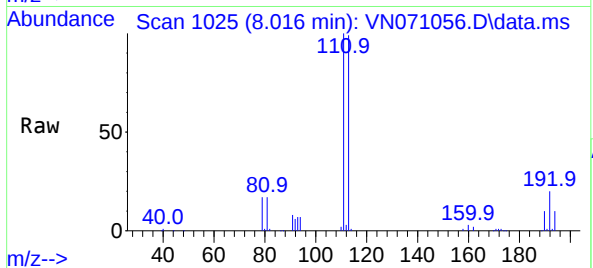
Tgt Ion: 114 Resp: 1319388
Ion Ratio Lower Upper
114 100
63 21.9 0.0 37.8
88 16.3 0.0 27.4



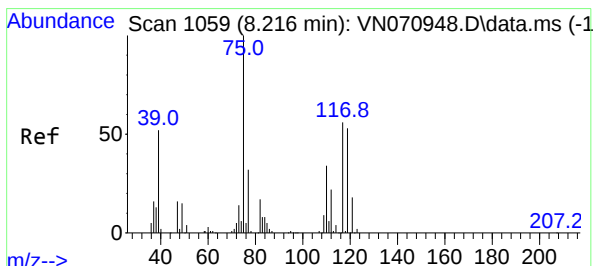
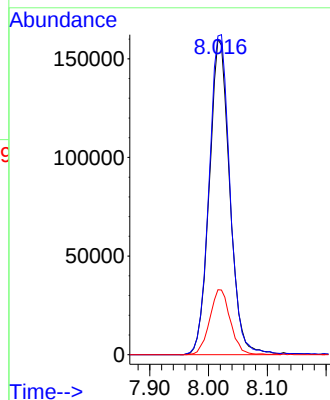
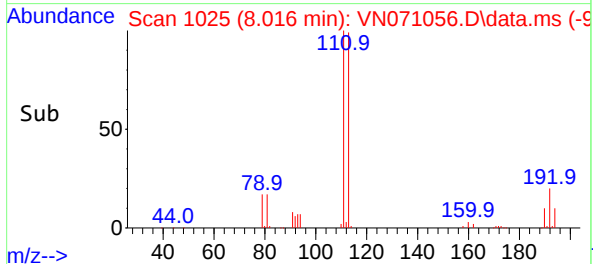


#35
Dibromofluoromethane
Concen: 49.214 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

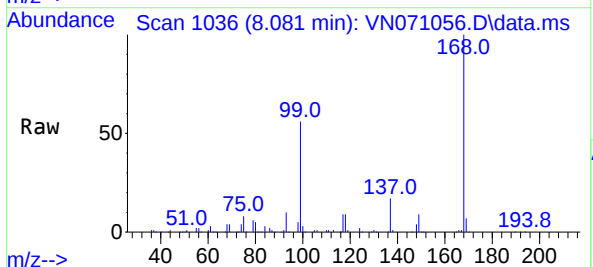
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MSVOA_N
ClientSampleId :
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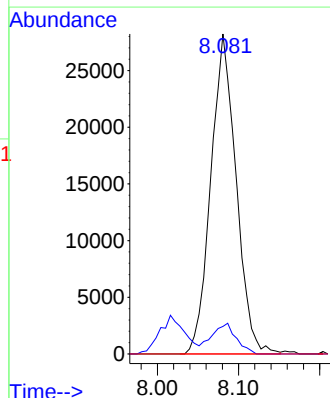
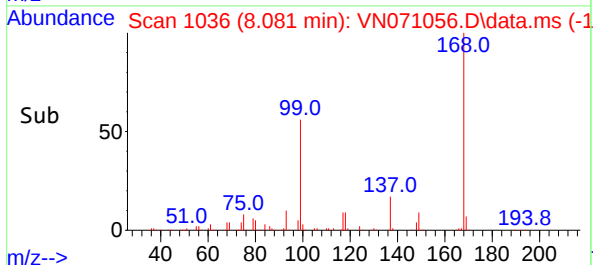
Tgt Ion:113 Resp: 386217
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.9 16.9 25.3

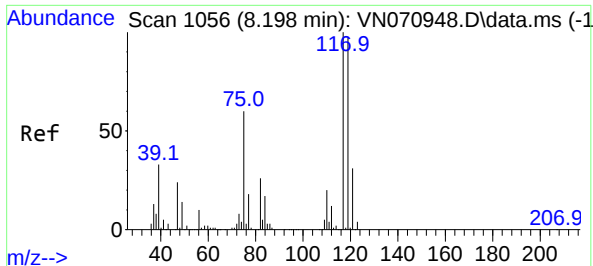


#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32



Tgt Ion: 75 Resp: 61200
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#

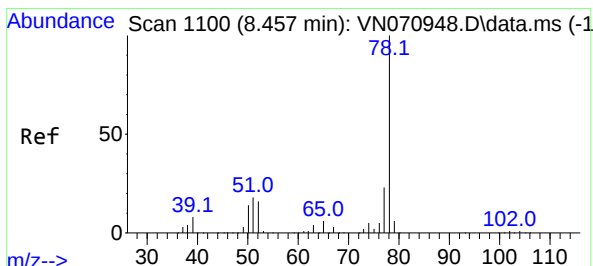
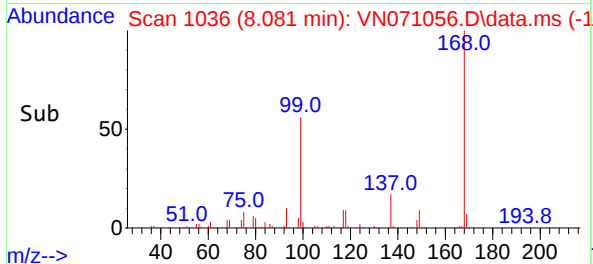
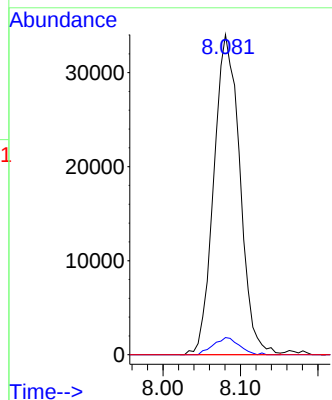
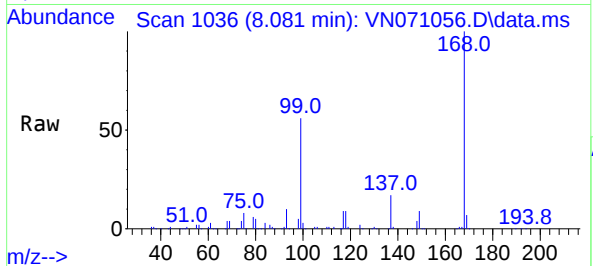




#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 8.081 min Scan# 1101
Delta R.T. -0.118 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

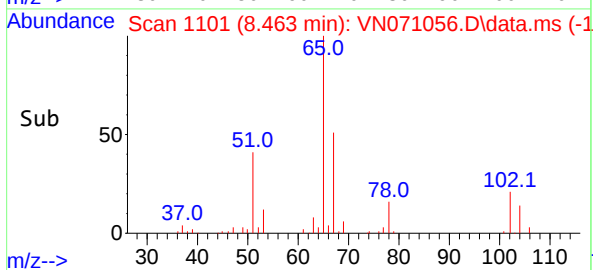
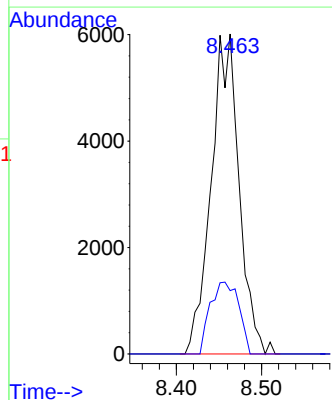
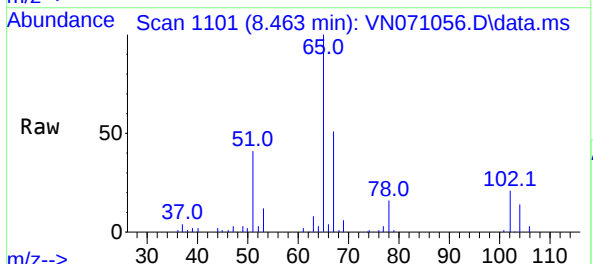
Instrument :
MSVOA_N
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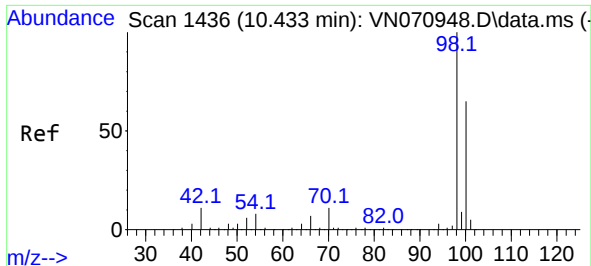
Tgt Ion:117 Resp: 79531
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.361 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 78 Resp: 13720
Ion Ratio Lower Upper
78 100
77 19.8 18.6 27.8

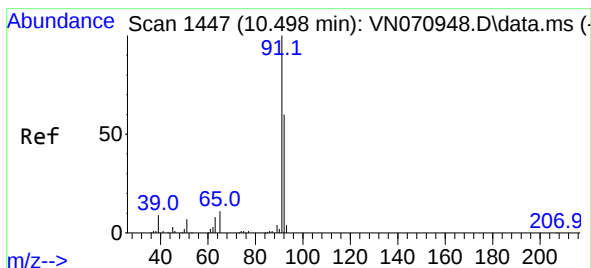
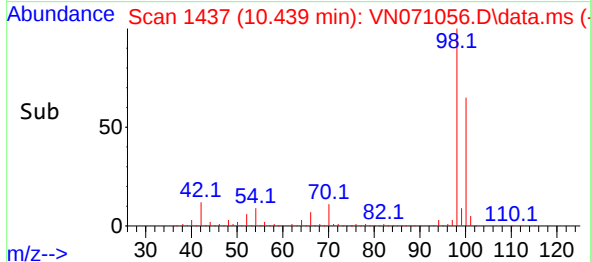
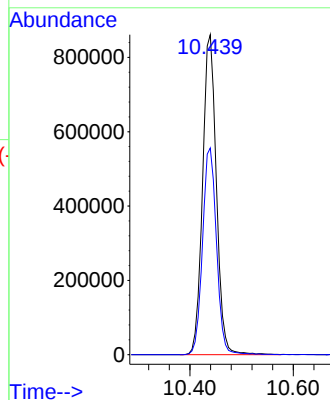
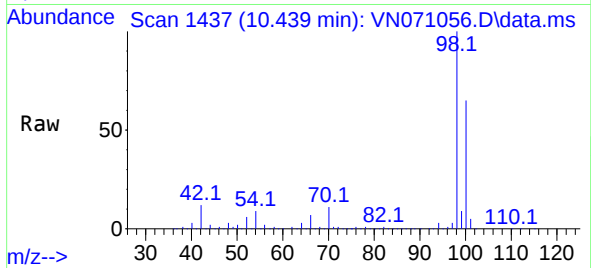




#50
Toluene-d8
Concen: 50.568 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

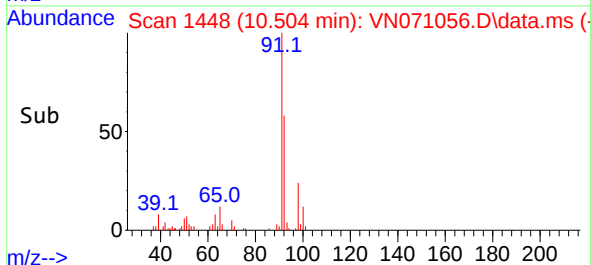
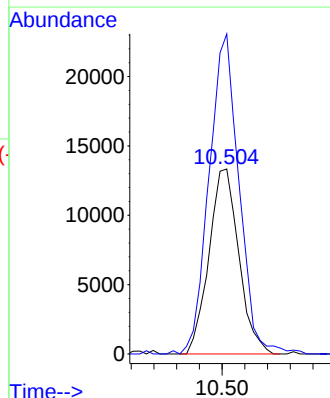
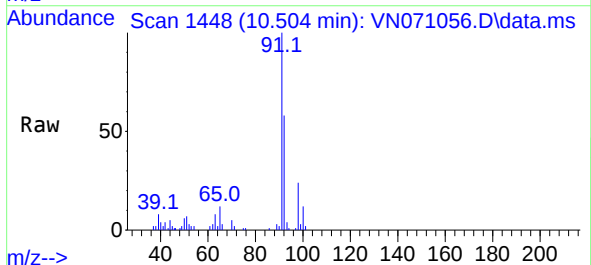
Instrument :
MSVOA_N
ClientSampleId :
31458

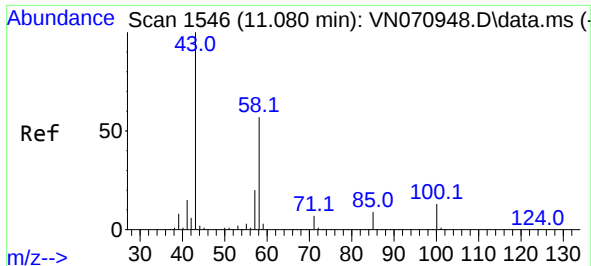
Tgt Ion: 98 Resp: 1593694
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#52
Toluene
Concen: 1.018 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 92 Resp: 24327
Ion Ratio Lower Upper
92 100
91 173.8 142.0 213.0





#59

2-Hexanone

Concen: 0.214 ug/l

RT: 11.080 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN071056.D

Acq: 24 Feb 2022 15:32

Instrument :

MSVOA_N

ClientSampleId :

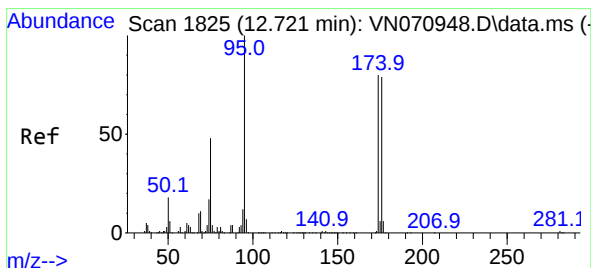
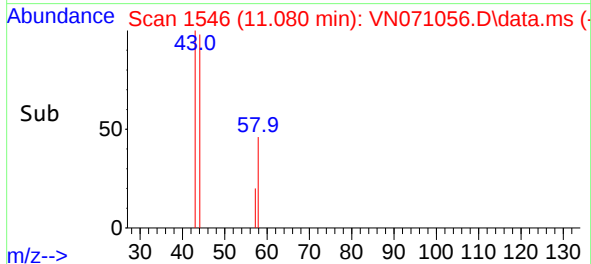
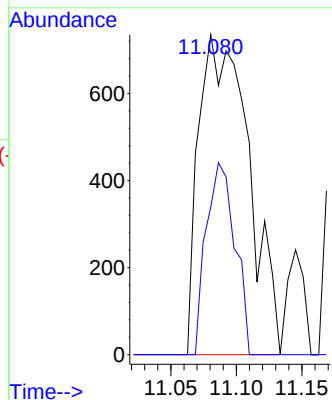
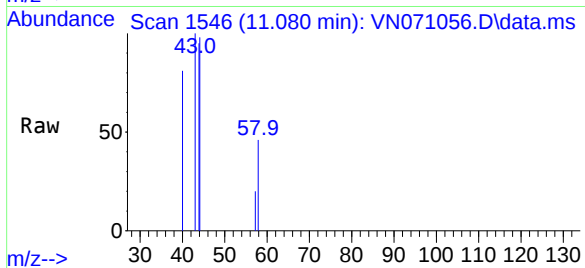
31458

Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

58 34.6 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 47.637 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN071056.D

Acq: 24 Feb 2022 15:32

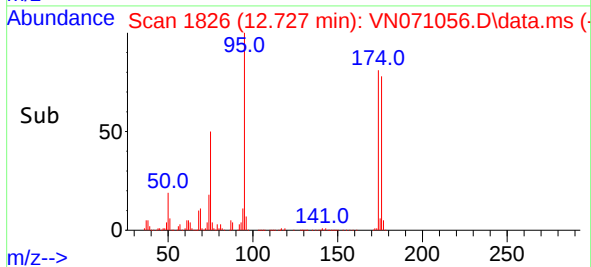
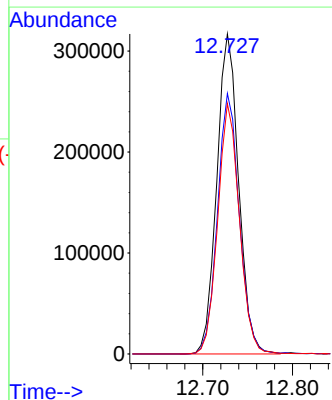
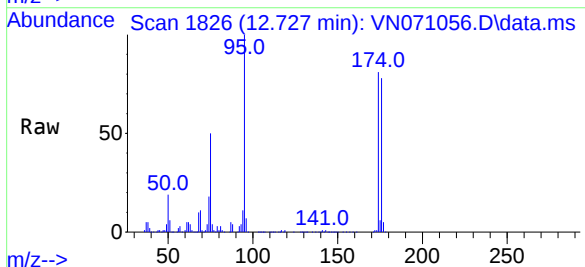
Tgt Ion: 95 Resp: 536631

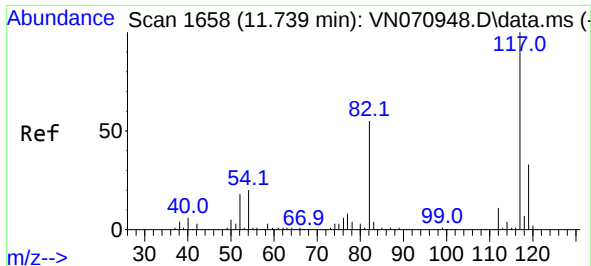
Ion Ratio Lower Upper

95 100

174 81.6 0.0 187.2

176 77.4 0.0 181.4

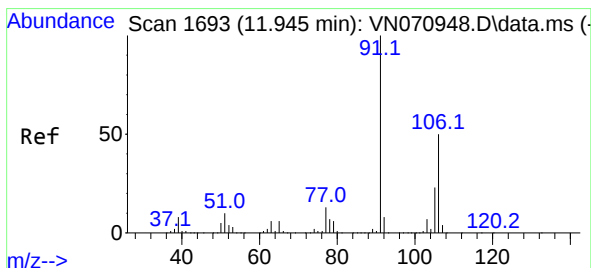
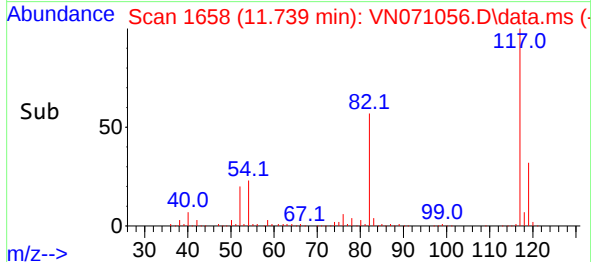
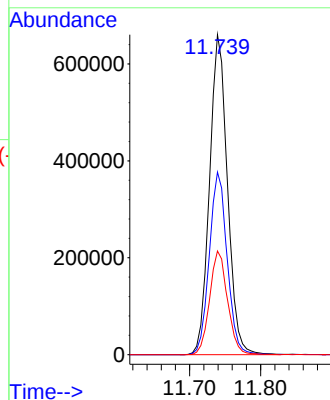
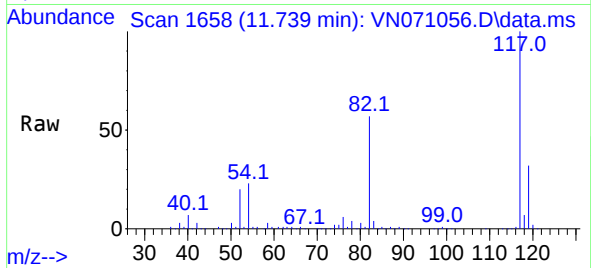




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

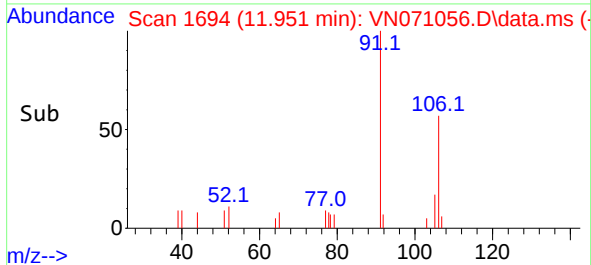
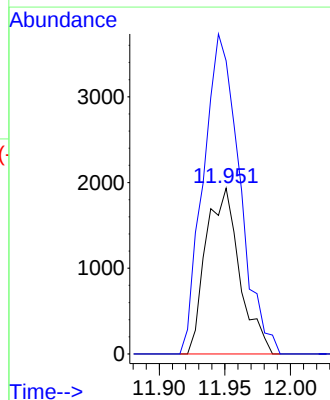
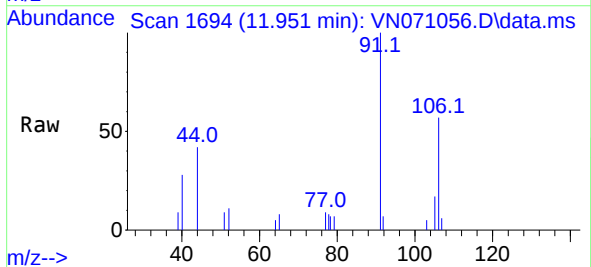
Instrument :
MSVOA_N
ClientSampleId :
31458

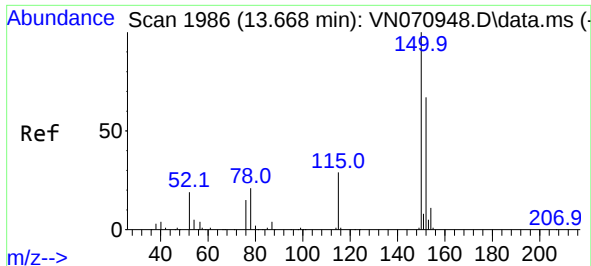
Tgt Ion:117 Resp: 1158294
Ion Ratio Lower Upper
117 100
82 57.0 42.4 63.6
119 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

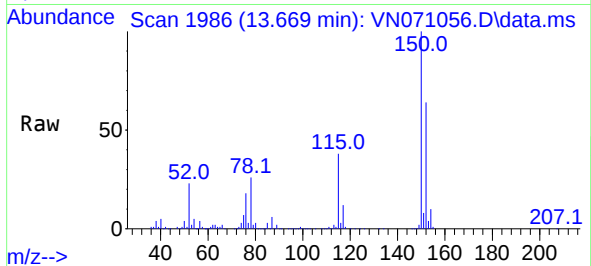
Tgt Ion:106 Resp: 3454
Ion Ratio Lower Upper
106 100
91 207.9 160.6 240.8



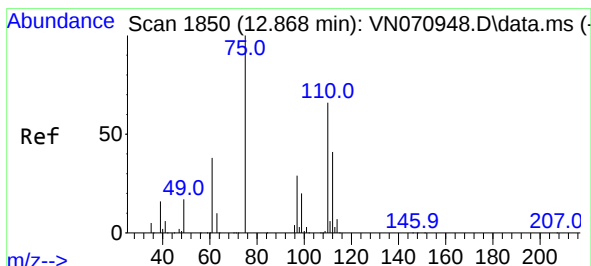
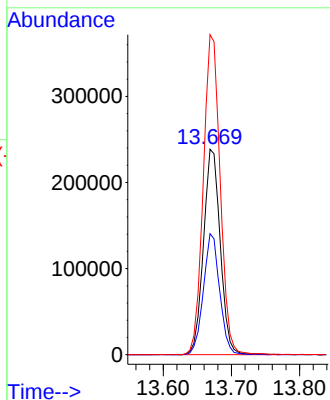
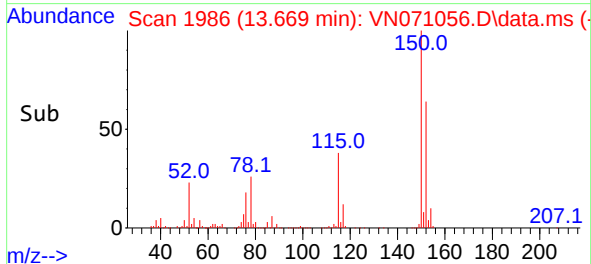


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Instrument :
MSVOA_N
ClientSampleId :
31458

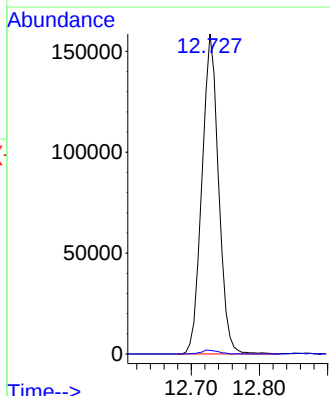
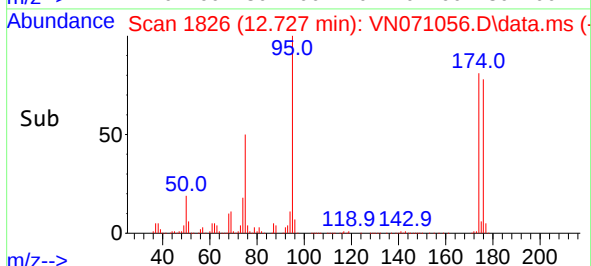
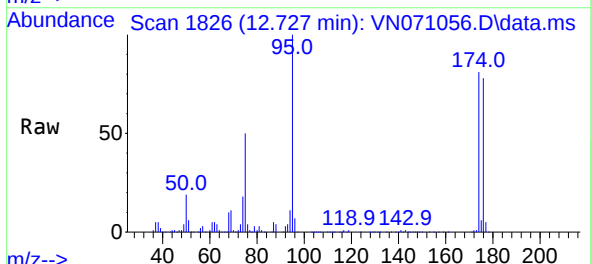


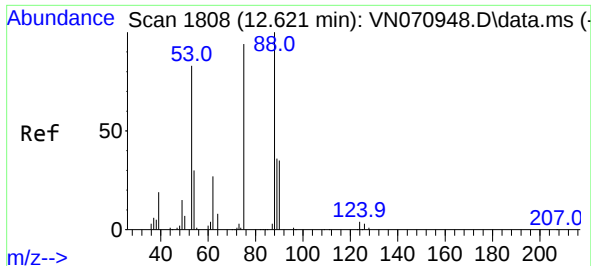
Tgt Ion:152 Resp: 408785
Ion Ratio Lower Upper
152 100
115 57.0 27.5 82.5
150 156.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 27.972 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion: 75 Resp: 269224
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

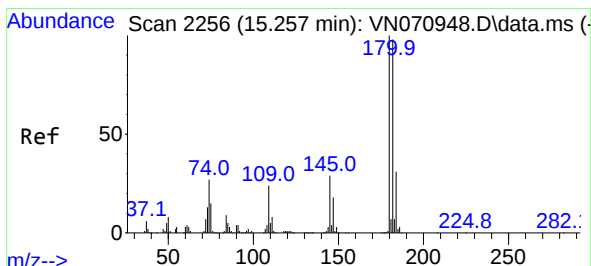
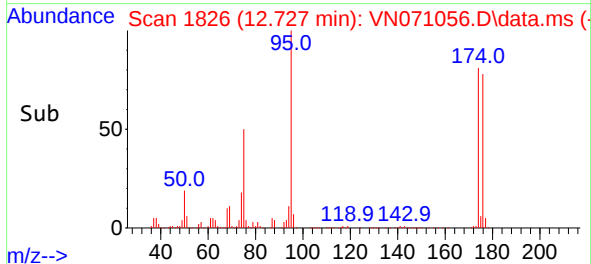
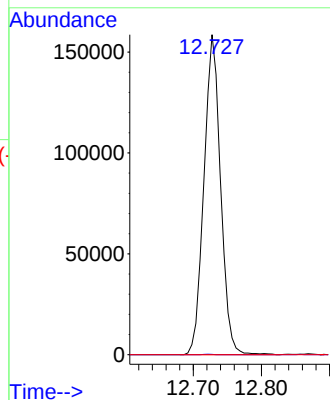
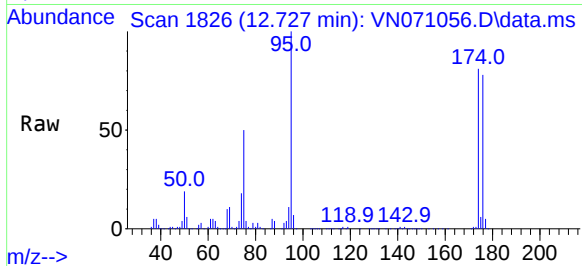




#81
trans-1,4-Dichloro-2-butene
Concen: 90.641 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

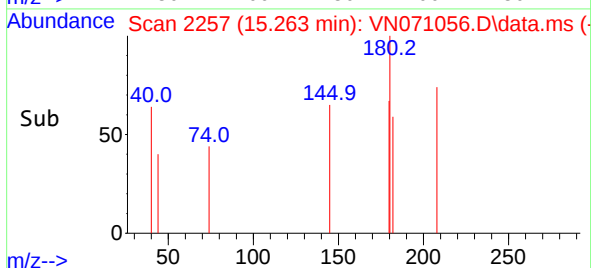
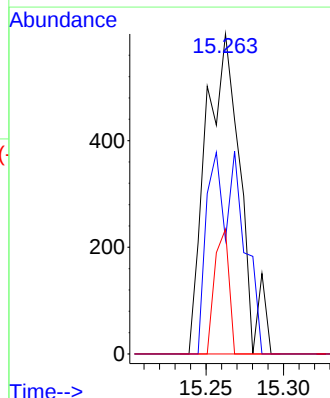
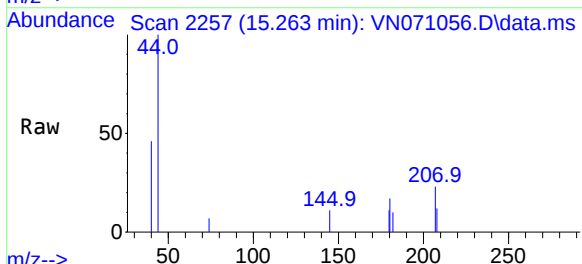
Instrument :
MSVOA_N
ClientSampleId :
31458

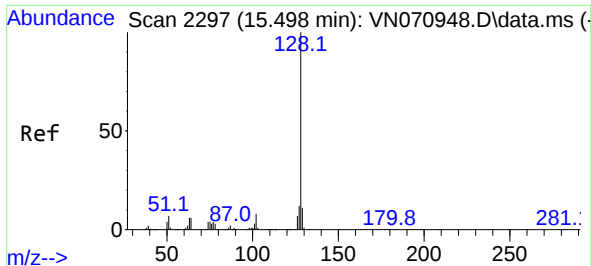
Tgt Ion: 75 Resp: 269224
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.117 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion:180 Resp: 927
Ion Ratio Lower Upper
180 100
182 62.7 48.3 144.9
145 16.2 14.5 43.5

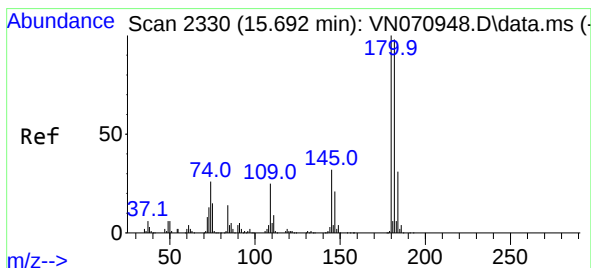
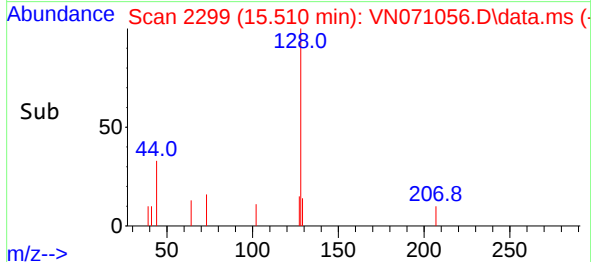
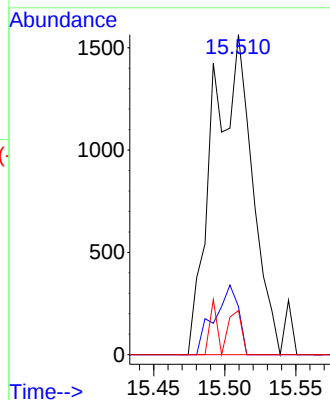
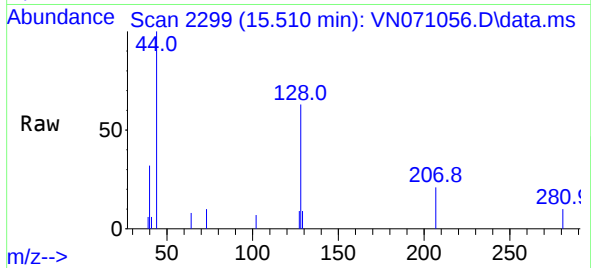




#95
Naphthalene
Concen: 5.139 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Instrument :
MSVOA_N
ClientSampleId :
31458

Tgt Ion:128 Resp: 3027
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 4.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.643 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071056.D
Acq: 24 Feb 2022 15:32

Tgt Ion:180 Resp: 928
Ion Ratio Lower Upper
180 100
182 105.8 47.4 142.2
145 0.0 15.0 45.1#

