

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071681.D
 Acq On : 31 Mar 2022 00:56
 Operator : JC\MD
 Sample : N2075-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20220321

Quant Time: Mar 31 07:45:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

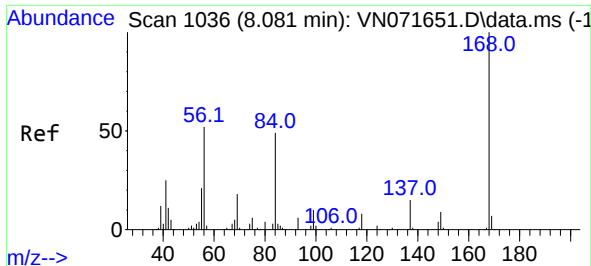
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	675988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1147038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1148807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	423644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	386362	50.065	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.140%			
35) Dibromofluoromethane	8.016	113	325614	48.242	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.480%			
50) Toluene-d8	10.439	98	1418594	51.377	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.727	95	484406	54.245	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.500%			
Target Compounds						Qvalue
3) Chloromethane	2.293	50	2122	0.312	ug/l #	43
6) Chloroethane	3.099	64	6309	1.173	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	4.216	101	13315	2.271	ug/l	93
11) Tert butyl alcohol	5.328	59	490	0.391	ug/l #	72
12) 1,1-Dichloroethene	4.193	96	3168	0.568	ug/l #	70
13) Acrolein	4.046	56	312	0.204	ug/l #	42
14) Allyl chloride	4.563	41	2053	0.227	ug/l #	74
16) Acetone	4.299	43	6031	1.829	ug/l #	88
18) Methyl Acetate	4.881	43	2710	Below Cal	#	57
21) trans-1,2-Dichloroethene	5.610	96	2087	0.341	ug/l	87
27) cis-1,2-Dichloroethene	7.328	96	11721	1.560	ug/l	86
30) Chloroform	7.810	83	3426	0.280	ug/l #	72
31) Cyclohexane	8.081	56	11767	1.121	ug/l #	5
36) 1,1-Dichloropropene	8.081	75	47277	5.016	ug/l #	48
38) Carbon Tetrachloride	8.210	117	3516	0.381	ug/l #	82
39) Methylcyclohexane	9.210	83	27574	2.458	ug/l #	1
43) Isopropyl Acetate	8.604	43	3461	0.202	ug/l #	53
44) Trichloroethene	9.216	130	2510922	327.328	ug/l	99
45) 1,2-Dichloropropane	9.210	63	5627	0.756	ug/l #	1
49) 1,4-Dioxane	9.557	88	1773	Below Cal	#	32
60) Dibromochloromethane	10.975	129	9512	1.259	ug/l #	11
64) Tetrachloroethene	10.969	164	10920	1.439	ug/l #	82
76) 1,2,3-Trichloropropane	12.727	75	238972	24.350	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	238972	75.460	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	550	2.164	ug/l #	57
95) Naphthalene	15.492	128	1470	3.873	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	209	2.445	ug/l #	57

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

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QLast Update : Thu Mar 31 01:57:54 2022
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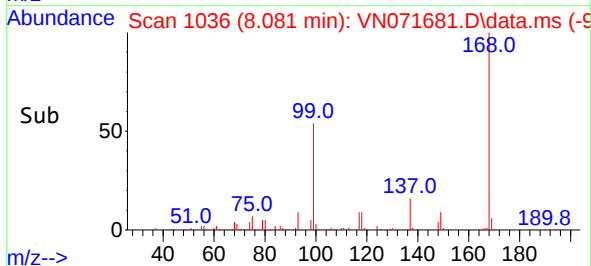
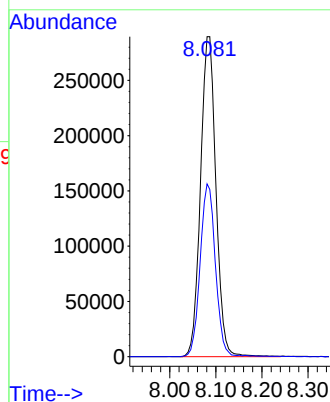
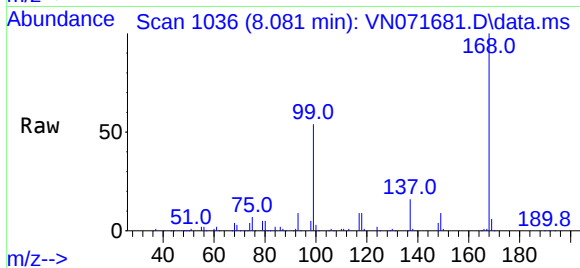




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

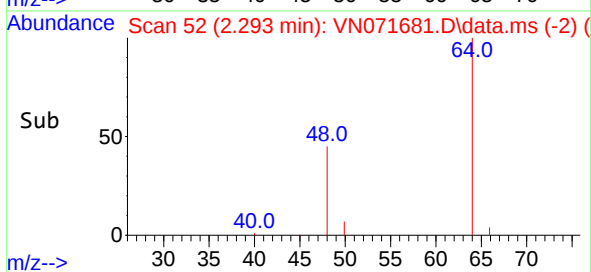
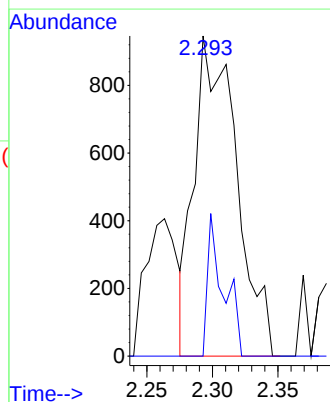
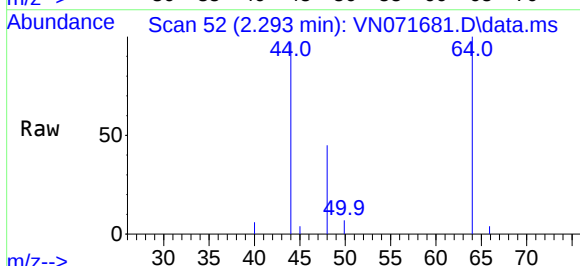
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

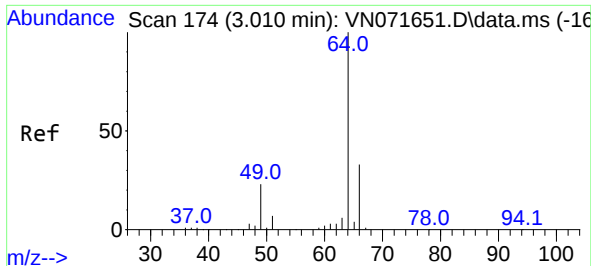
Tgt Ion:168 Resp: 675988
Ion Ratio Lower Upper
168 100
99 54.0 42.3 63.5



#3
Chloromethane
Concen: 0.312 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 50 Resp: 2122
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

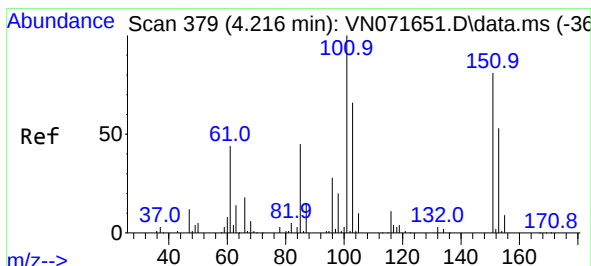
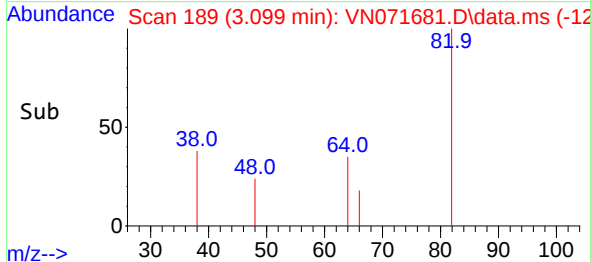
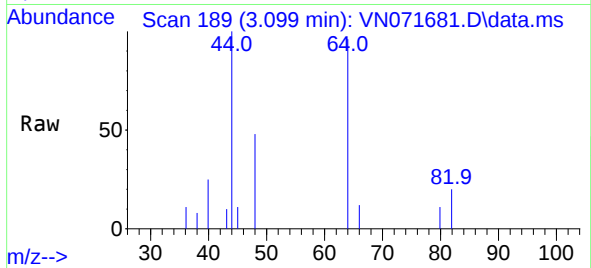




#6
Chloroethane
Concen: 1.173 ug/l
RT: 3.099 min Scan# 11
Delta R.T. 0.089 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

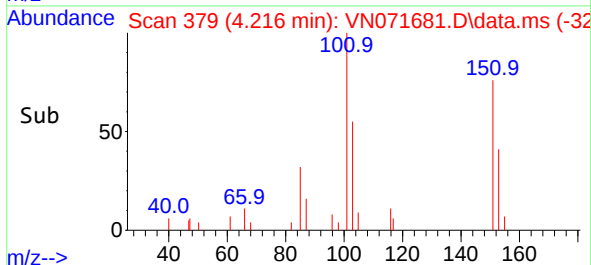
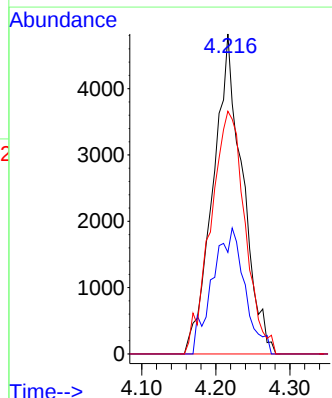
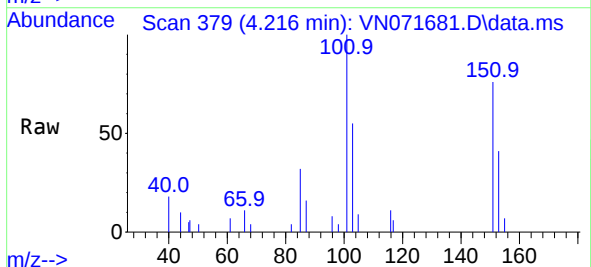
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ClientSampleId :
DUP03-20220321

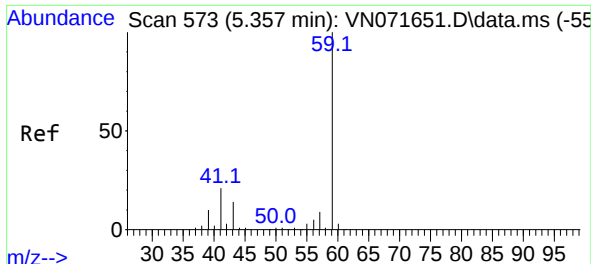
Tgt Ion: 64 Resp: 6309
Ion Ratio Lower Upper
64 100
66 12.3 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.271 ug/l
RT: 4.216 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion:101 Resp: 13315
Ion Ratio Lower Upper
101 100
85 43.2 34.7 52.1
151 88.2 63.0 94.4





#11

Tert butyl alcohol

Concen: 0.391 ug/l

RT: 5.328 min Scan# 5

Delta R.T. -0.029 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

Instrument :

MSVOA_N

ClientSampleId :

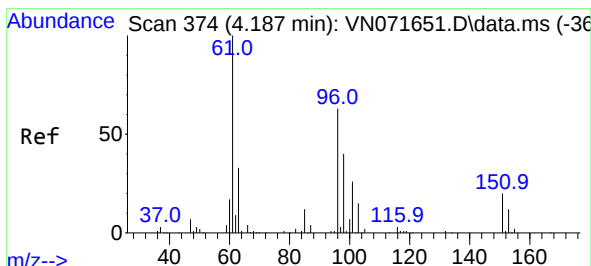
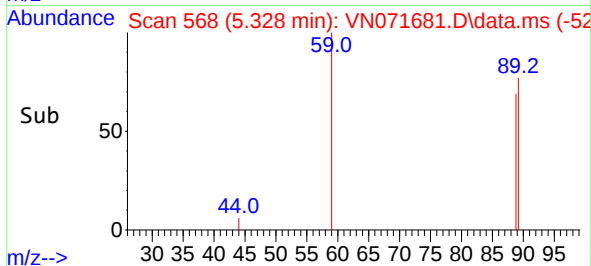
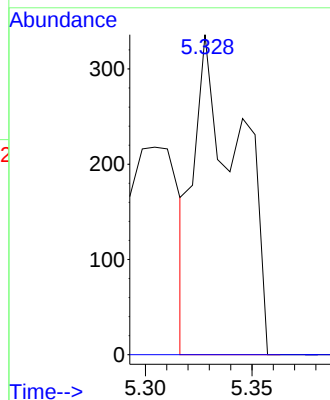
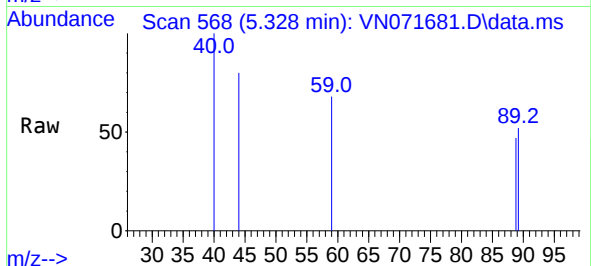
DUP03-20220321

Tgt Ion: 59 Resp: 490

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.568 ug/l

RT: 4.193 min Scan# 375

Delta R.T. 0.006 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

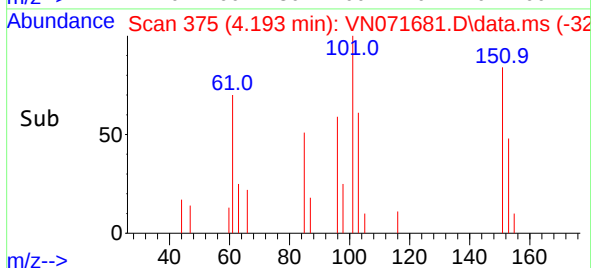
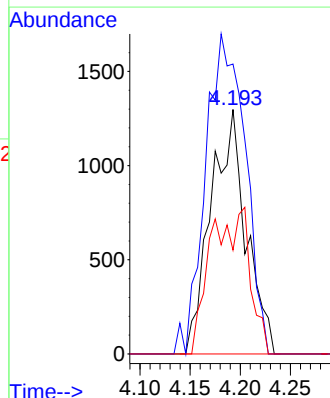
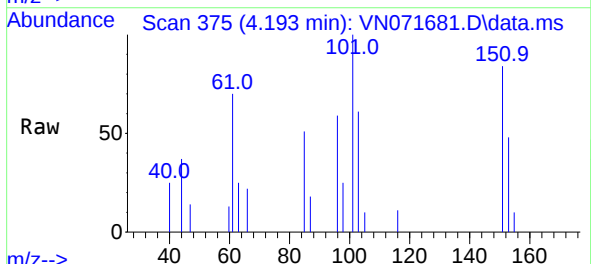
Tgt Ion: 96 Resp: 3168

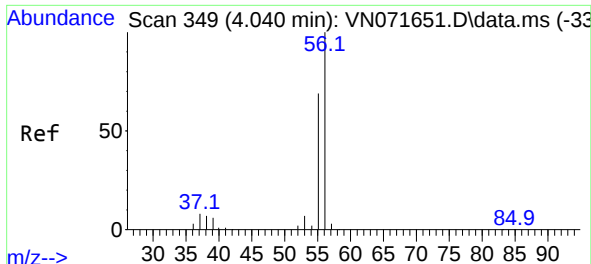
Ion Ratio Lower Upper

96 100

61 118.6 127.6 191.4#

98 42.4 51.2 76.8#





#13

Acrolein

Concen: 0.204 ug/l

RT: 4.046 min Scan# 312

Delta R.T. 0.006 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

Instrument :

MSVOA_N

ClientSampleId :

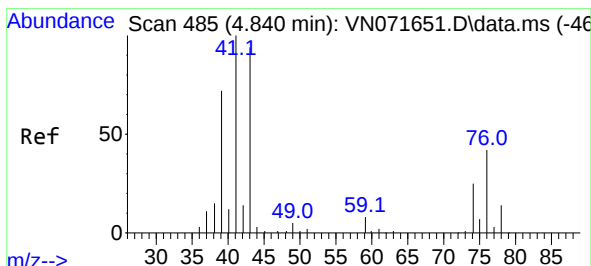
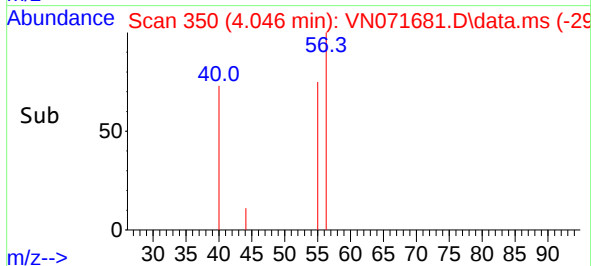
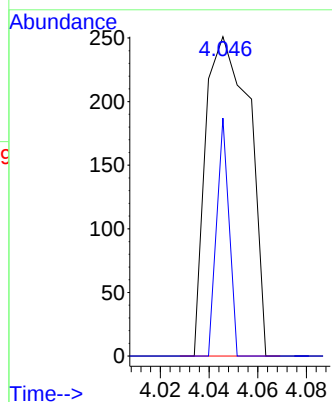
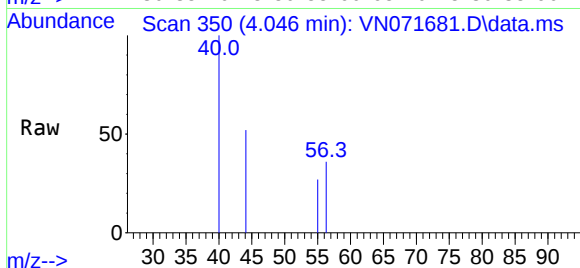
DUP03-20220321

Tgt Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 21.2 54.8 82.2#



#14

Allyl chloride

Concen: 0.227 ug/l

RT: 4.563 min Scan# 438

Delta R.T. -0.277 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

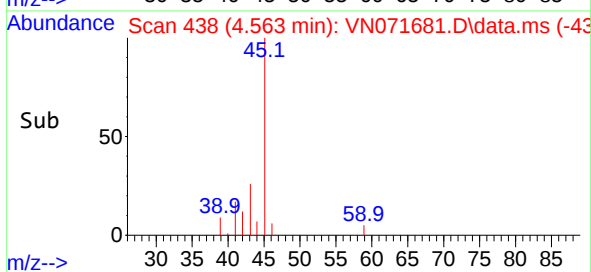
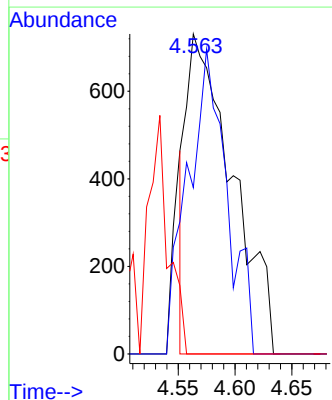
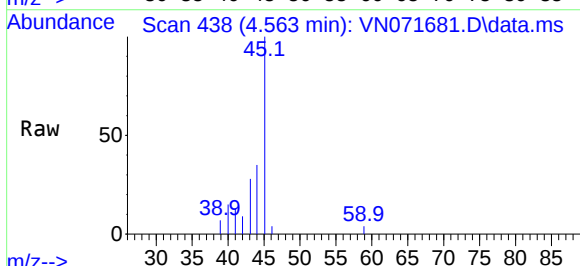
Tgt Ion: 41 Resp: 2053

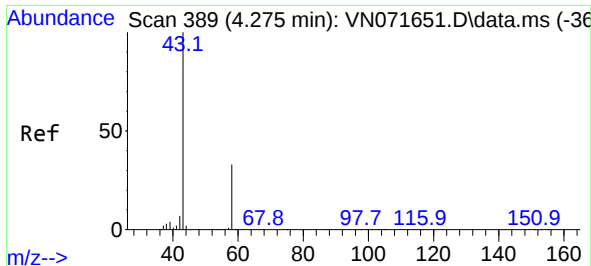
Ion Ratio Lower Upper

41 100

39 71.5 53.2 79.8

76 0.0 29.9 44.9#

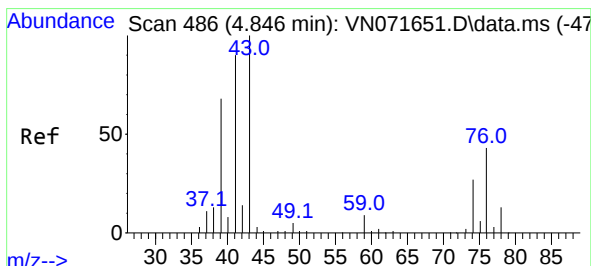
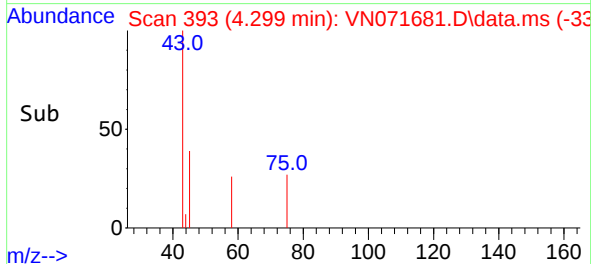
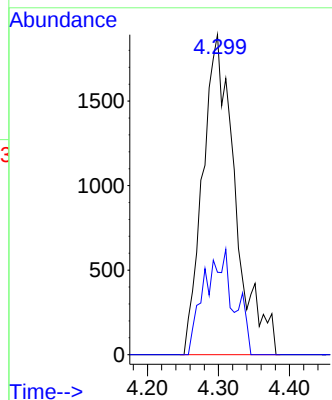
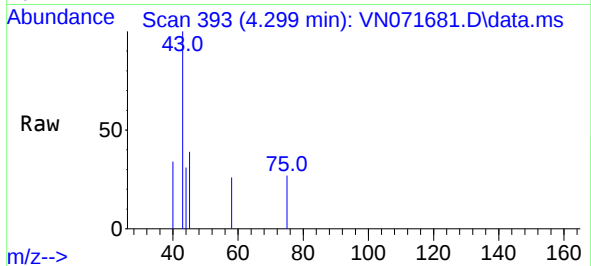




#16
Acetone
Concen: 1.829 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

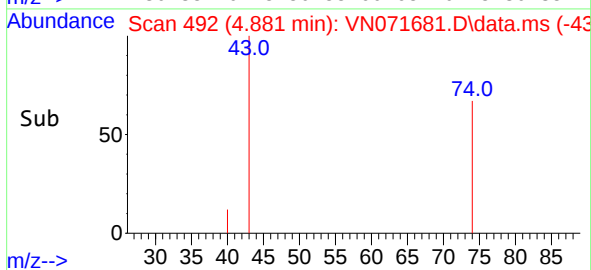
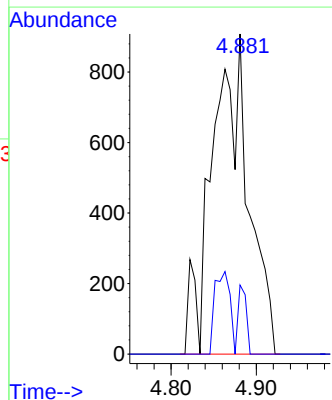
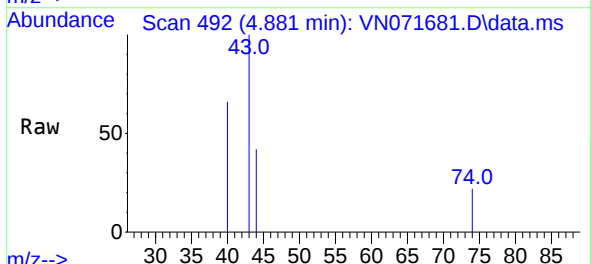
Instrument :
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DUP03-20220321

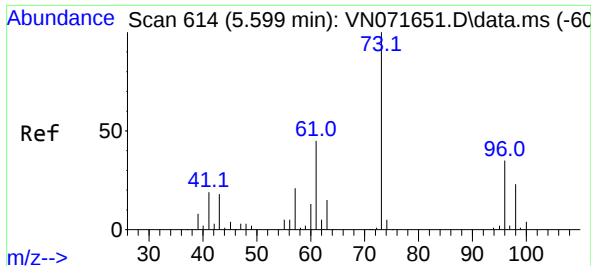
Tgt Ion: 43 Resp: 6031
Ion Ratio Lower Upper
43 100
58 25.7 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.881 min Scan# 492
Delta R.T. 0.035 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

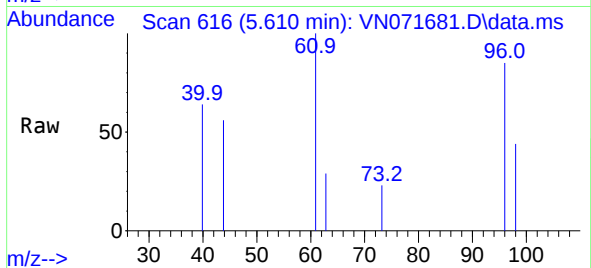
Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
74 4.7 21.6 32.4#





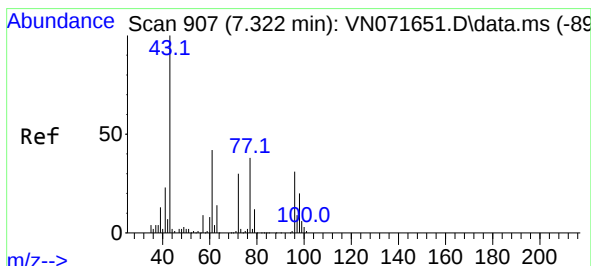
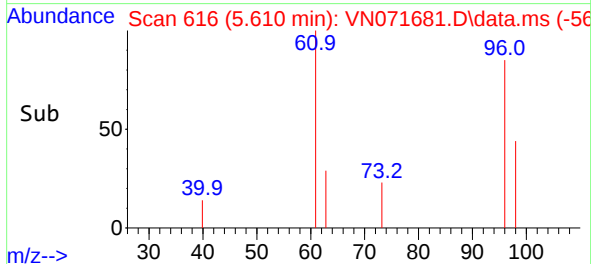
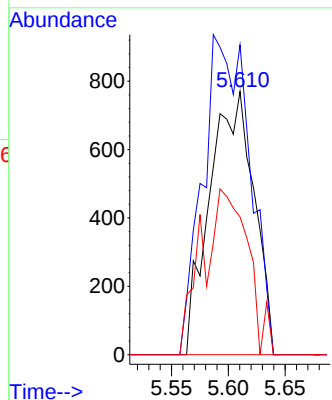
#21
trans-1,2-Dichloroethene
Concen: 0.341 ug/l
RT: 5.610 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 96 Resp: 2087

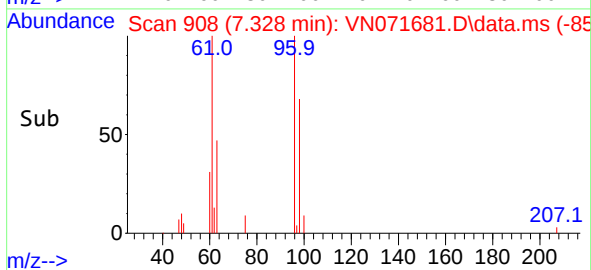
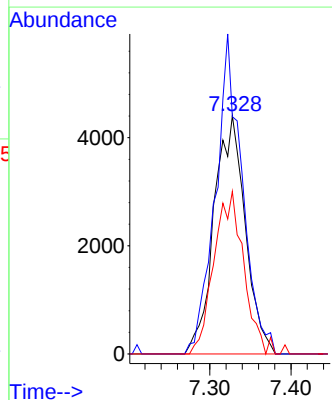
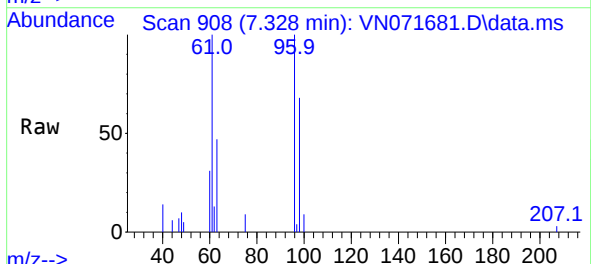
Ion	Ratio	Lower	Upper
96	100		
61	117.7	105.8	158.8
98	52.3	50.3	75.5

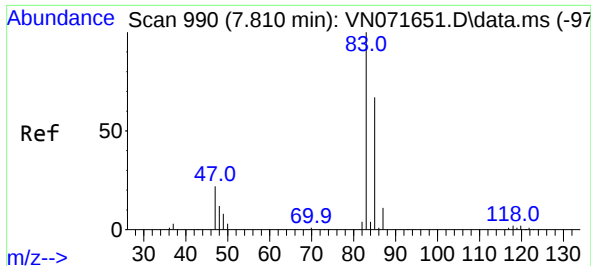


#27
cis-1,2-Dichloroethene
Concen: 1.560 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 96 Resp: 11721

Ion	Ratio	Lower	Upper
96	100		
61	115.8	0.0	280.6
98	65.3	0.0	128.4

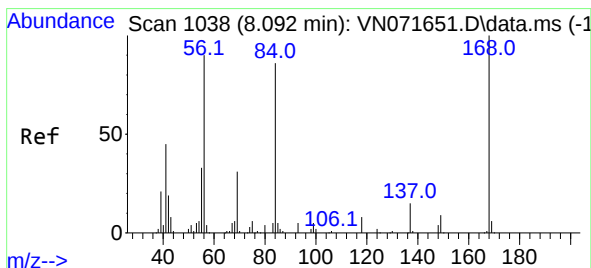
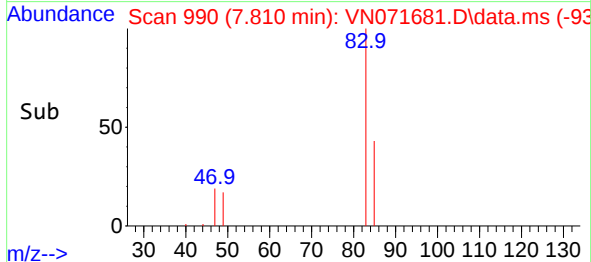
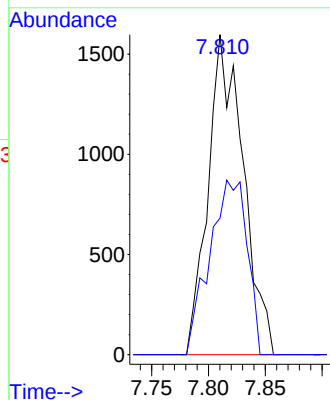
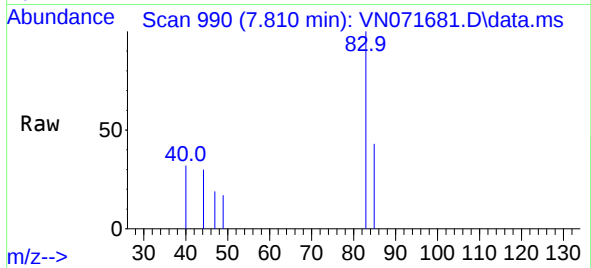




#30
Chloroform
Concen: 0.280 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

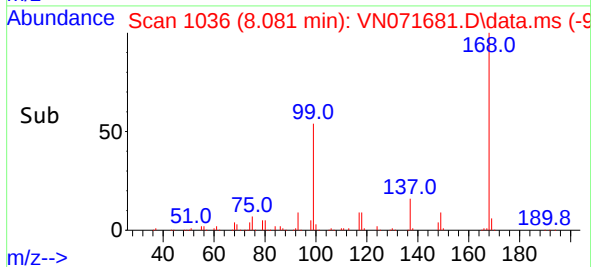
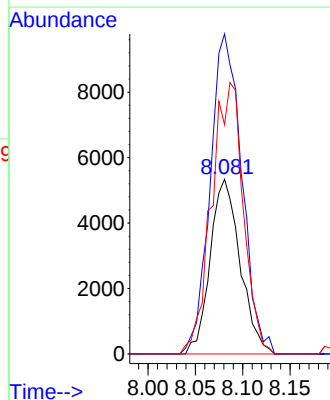
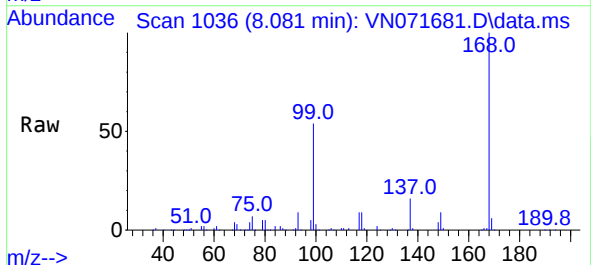
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ClientSampleId :
DUP03-20220321

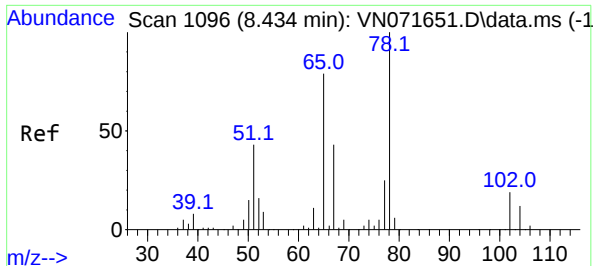
Tgt Ion: 83 Resp: 3426
Ion Ratio Lower Upper
83 100
85 42.7 51.8 77.8#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 56 Resp: 11767
Ion Ratio Lower Upper
56 100
69 183.2 27.8 41.8#
84 131.3 76.9 115.3#

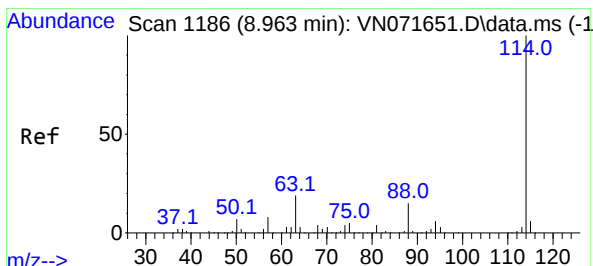
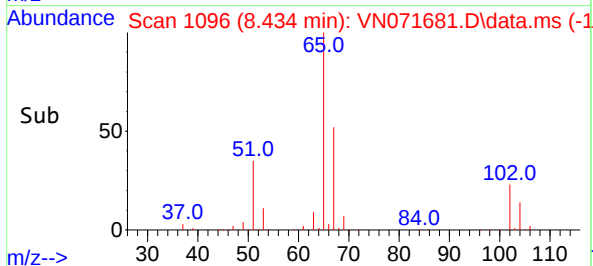
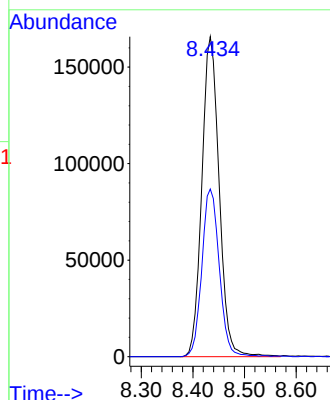
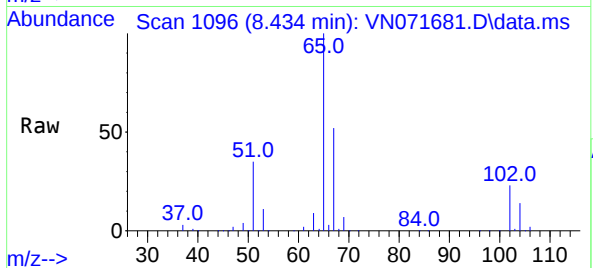




#33
1,2-Dichloroethane-d4
Concen: 50.065 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

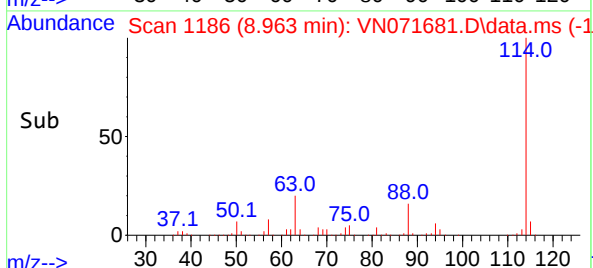
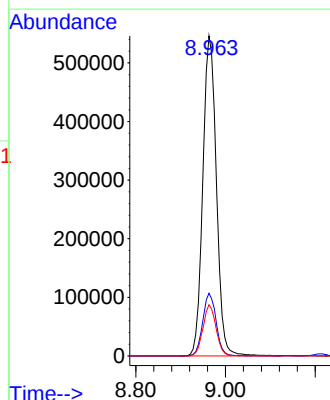
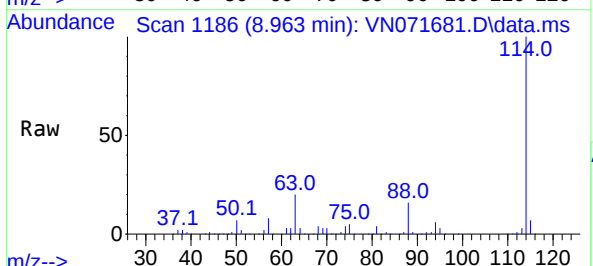
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

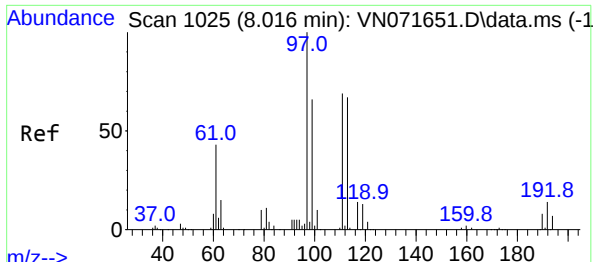
Tgt Ion: 65 Resp: 386362
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 114 Resp: 1147038
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.0
88 16.0 0.0 32.6

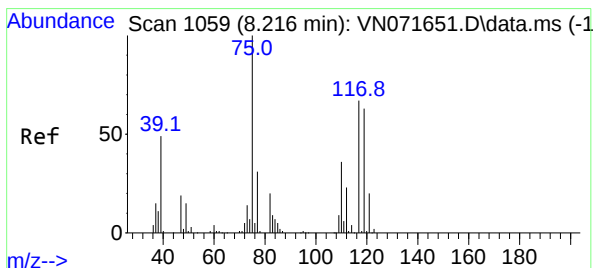
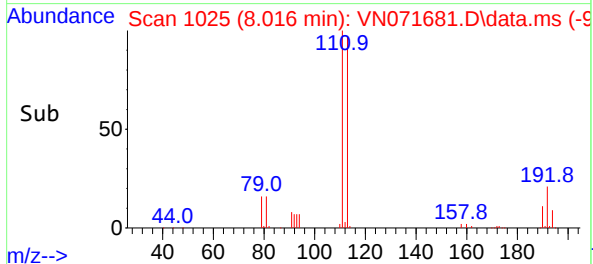
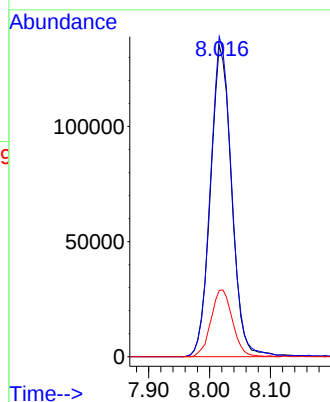
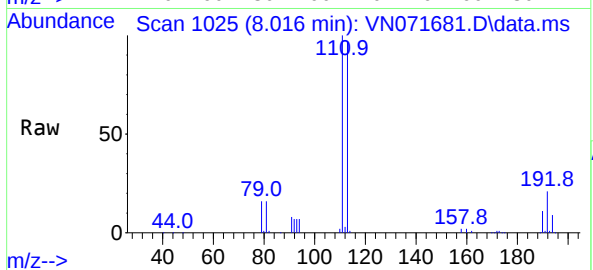




#35
Dibromofluoromethane
Concen: 48.242 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

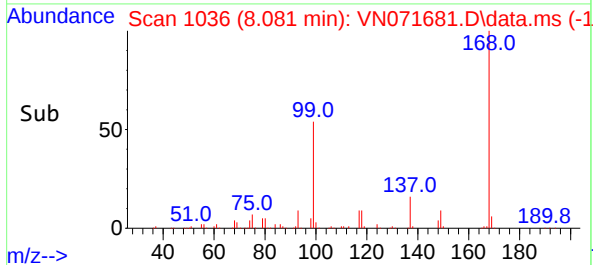
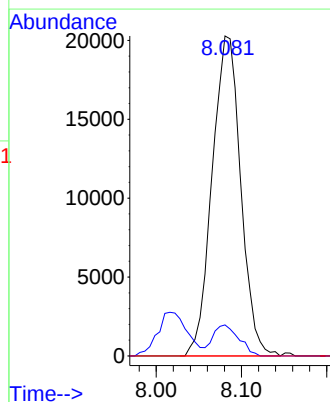
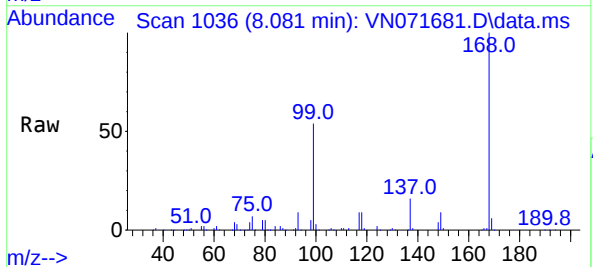
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

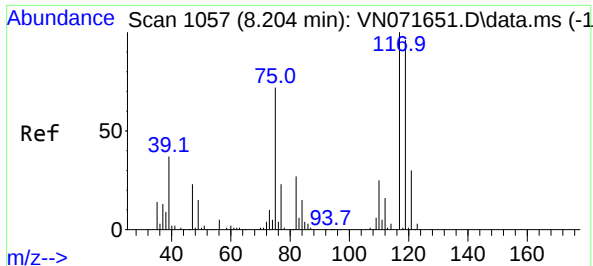
Tgt Ion:113 Resp: 325614
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 75 Resp: 47277
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#

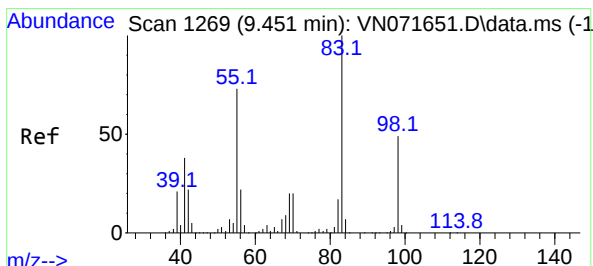
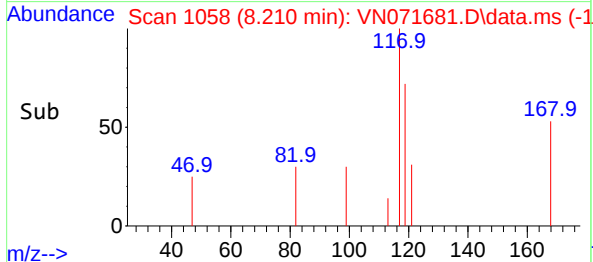
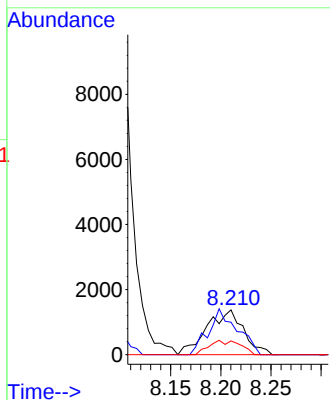
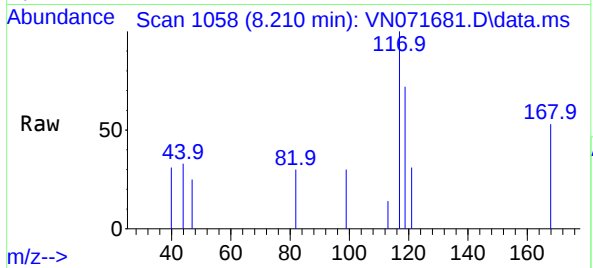




#38
Carbon Tetrachloride
Concen: 0.381 ug/l
RT: 8.210 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

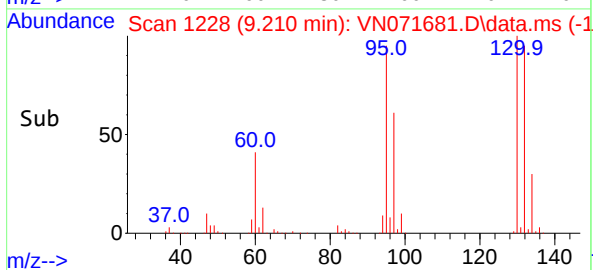
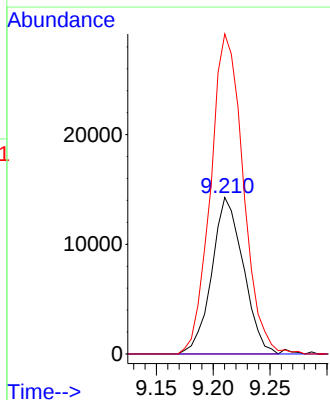
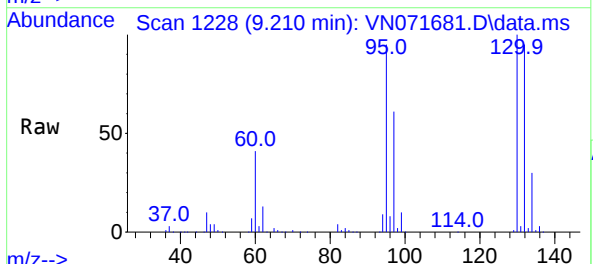
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

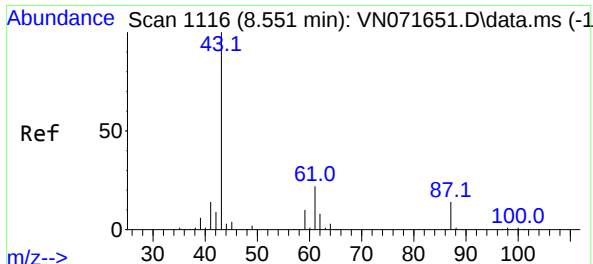
Tgt Ion:117 Resp: 3516
Ion Ratio Lower Upper
117 100
119 72.2 75.8 113.8#
121 30.8 24.6 37.0



#39
Methylcyclohexane
Concen: 2.458 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.241 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 83 Resp: 27574
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 204.6 39.4 59.2#

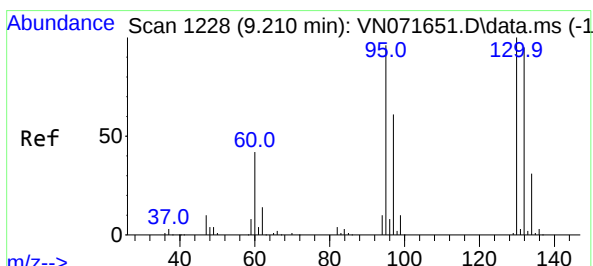
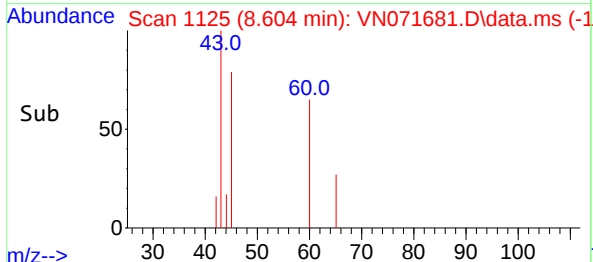
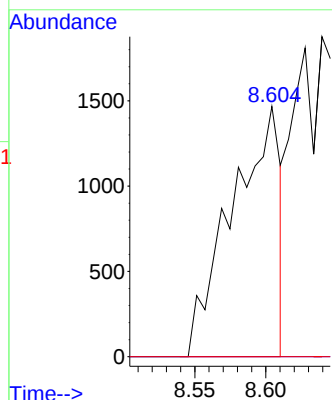
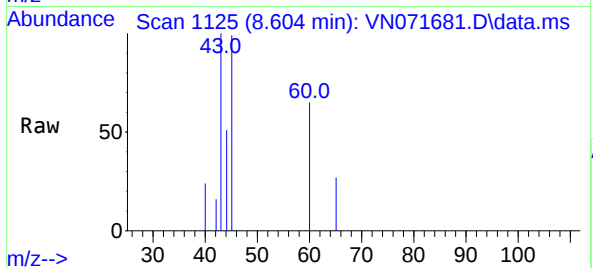




#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.604 min Scan# 1116
Delta R.T. 0.053 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

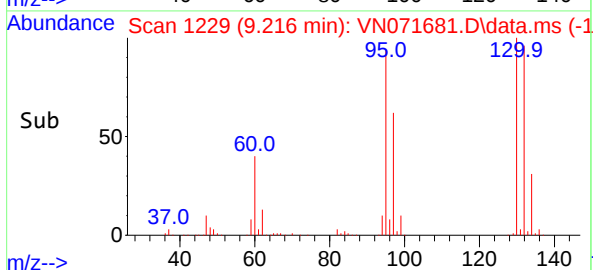
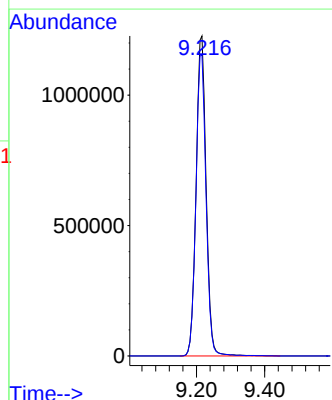
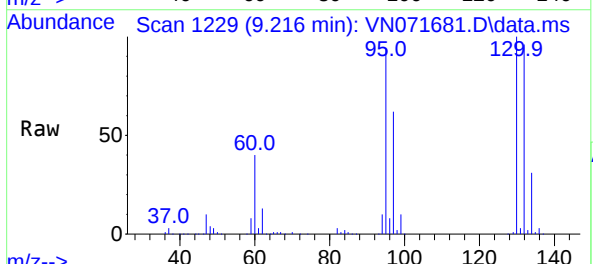
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

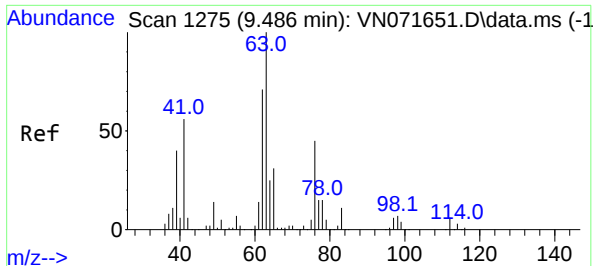
Tgt Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 327.328 ug/l
RT: 9.216 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 130 Resp: 2510922
Ion Ratio Lower Upper
130 100
95 94.2 0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.756 ug/l

RT: 9.210 min Scan# 11

Delta R.T. -0.276 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

Instrument :

MSVOA_N

ClientSampleId :

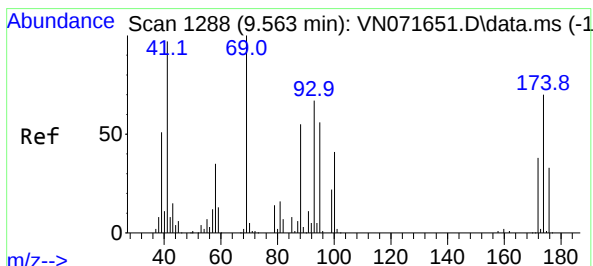
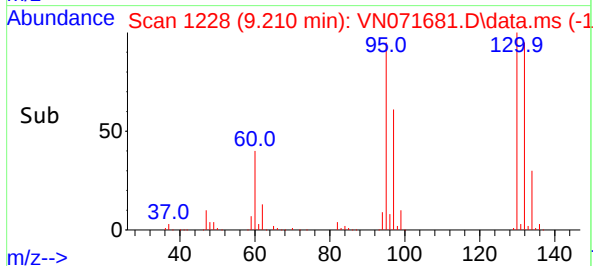
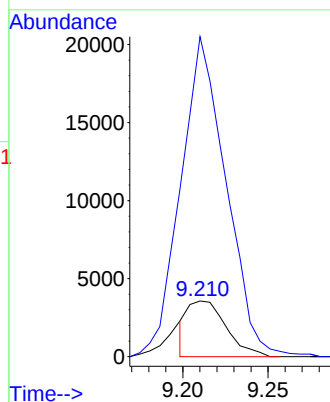
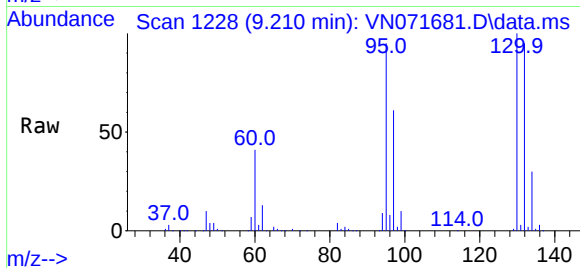
DUP03-20220321

Tgt Ion: 63 Resp: 5627

Ion Ratio Lower Upper

63 100

65 565.1 24.9 37.3#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.557 min Scan# 1287

Delta R.T. -0.006 min

Lab File: VN071681.D

Acq: 31 Mar 2022 00:56

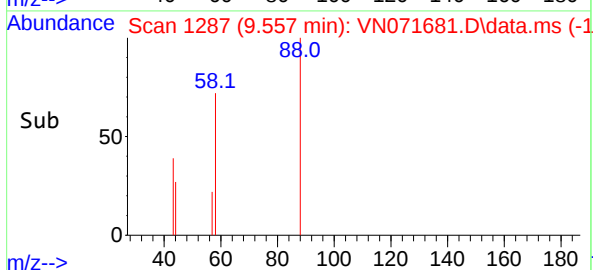
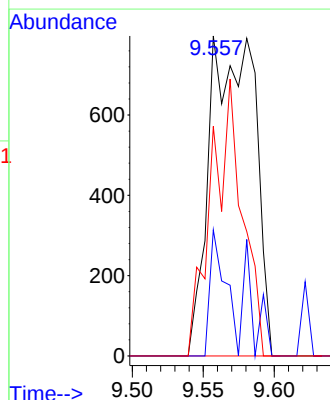
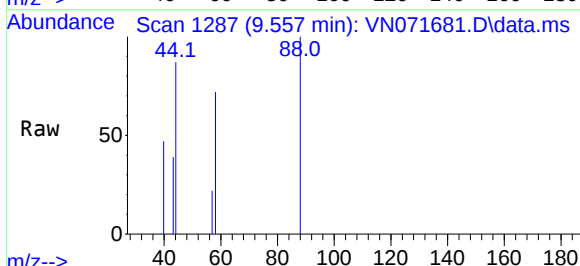
Tgt Ion: 88 Resp: 1773

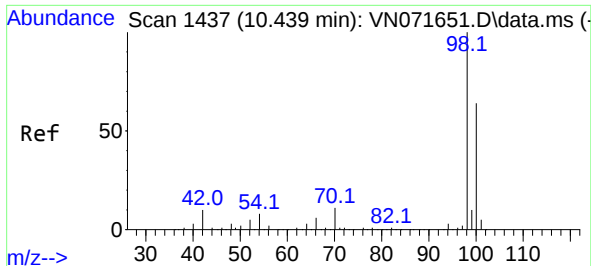
Ion Ratio Lower Upper

88 100

43 13.5 20.2 30.4#

58 0.0 54.2 81.4#

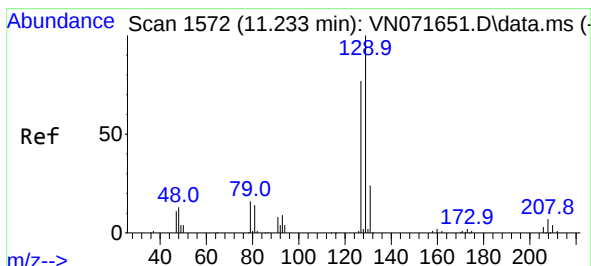
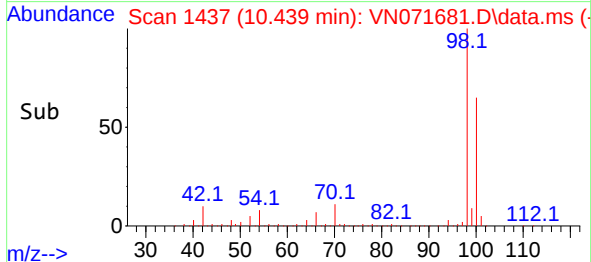
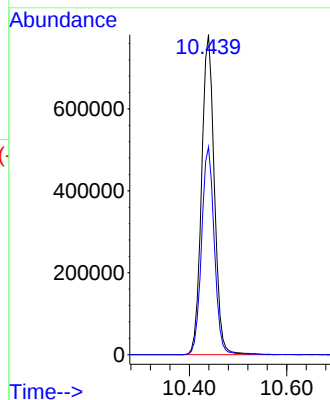
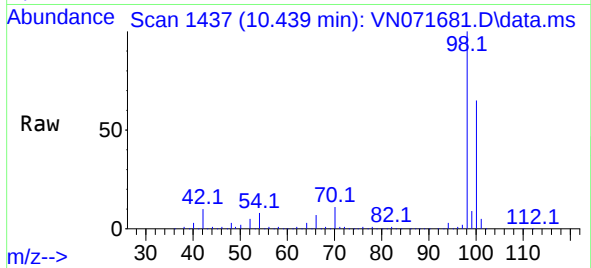




#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

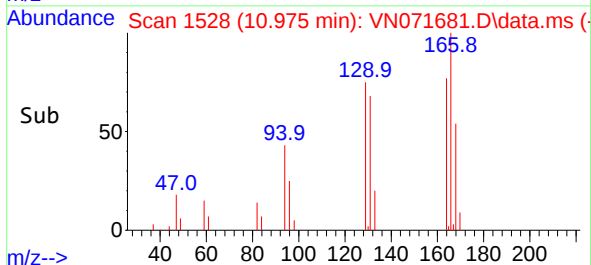
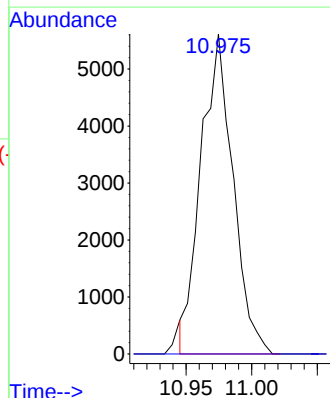
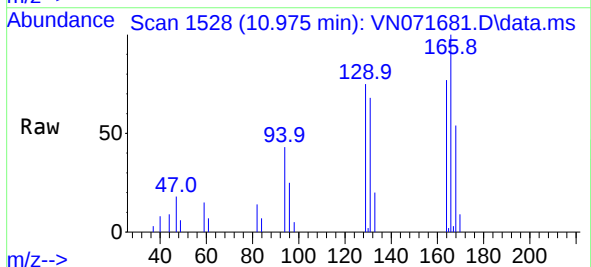
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

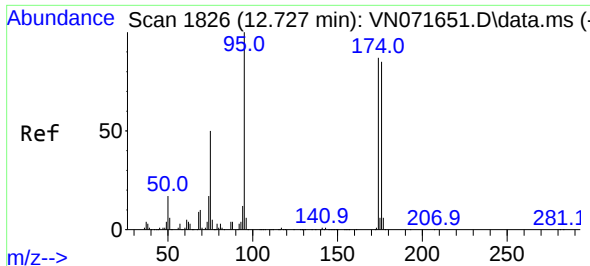
Tgt Ion: 98 Resp: 1418594
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#60
Dibromochloromethane
Concen: 1.259 ug/l
RT: 10.975 min Scan# 1528
Delta R.T. -0.258 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion:129 Resp: 9512
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

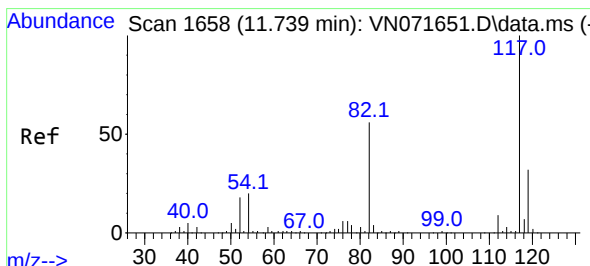
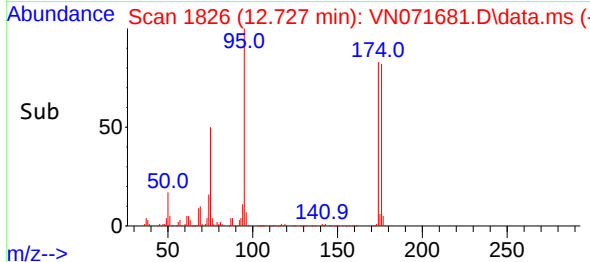
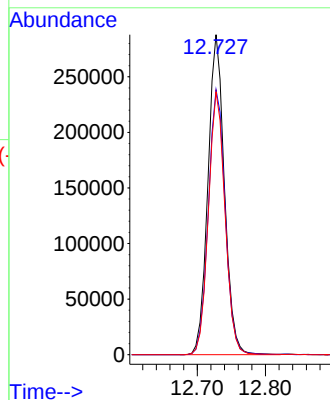
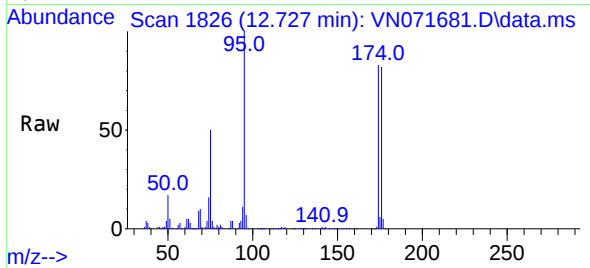




#62
4-Bromofluorobenzene
Concen: 54.245 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

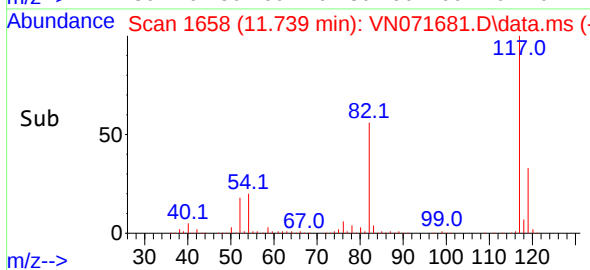
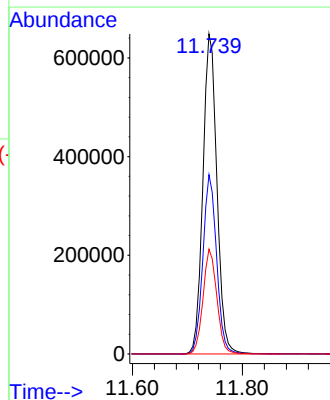
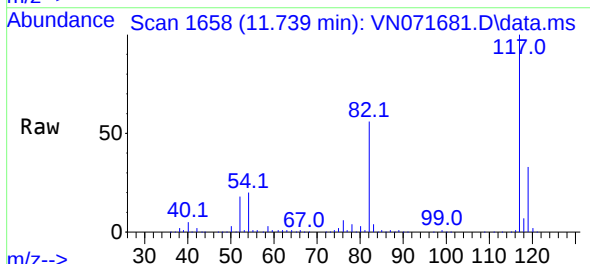
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

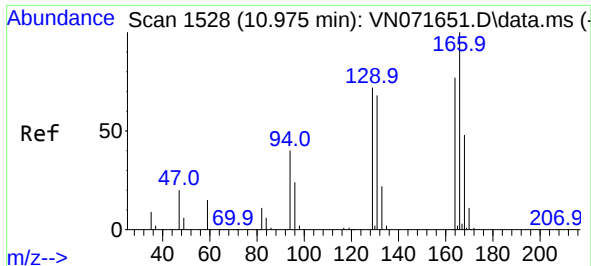
Tgt Ion: 95 Resp: 484406
Ion Ratio Lower Upper
95 100
174 84.8 0.0 167.6
176 82.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 117 Resp: 1148807
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.2
119 32.7 25.4 38.0

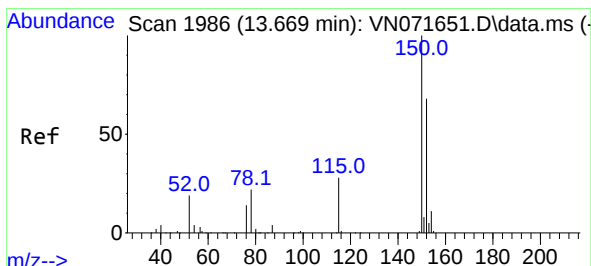
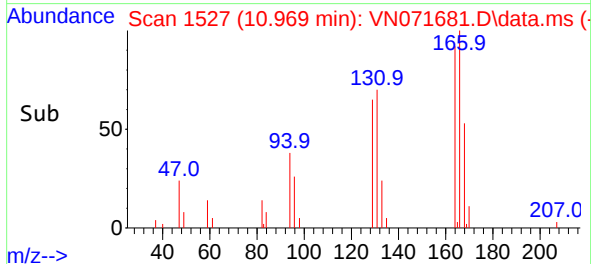
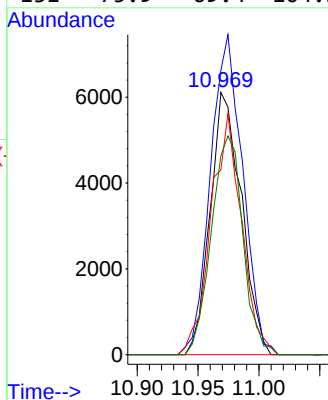
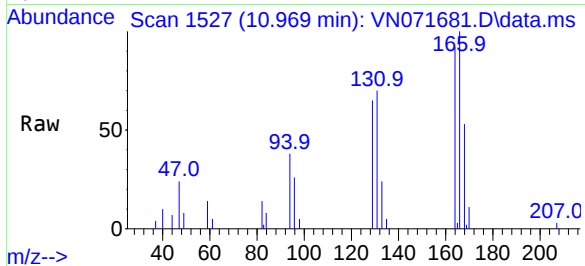




#64
Tetrachloroethene
Concen: 1.439 ug/l
RT: 10.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

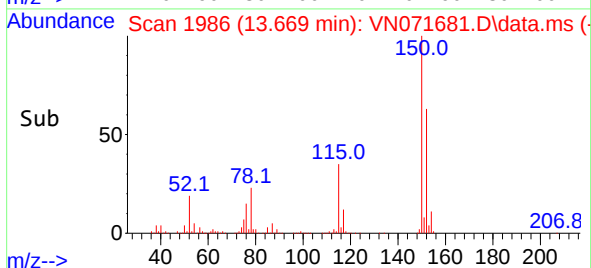
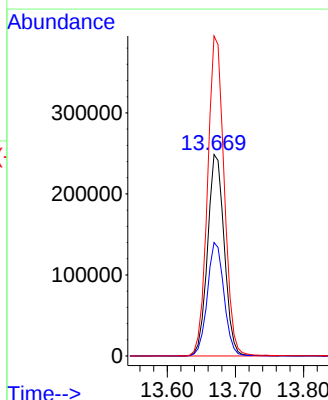
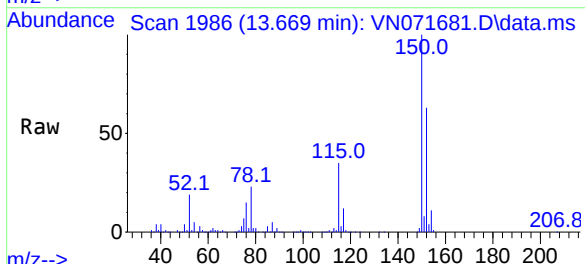
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

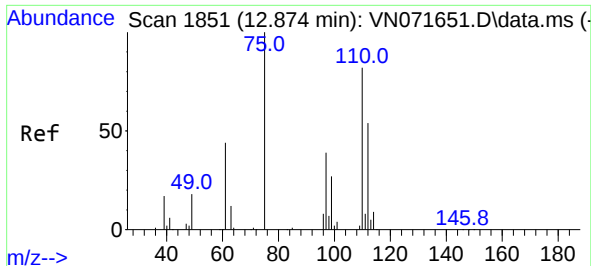
Tgt Ion:164 Resp: 10920
Ion Ratio Lower Upper
164 100
166 108.5 104.2 156.2
129 70.5 73.9 110.9#
131 75.9 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion:152 Resp: 423644
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 158.6 0.0 356.2

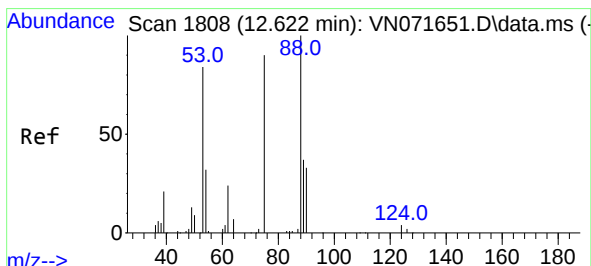
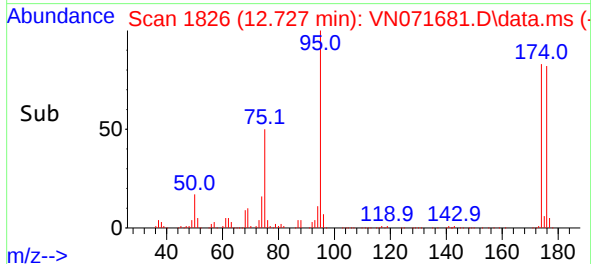
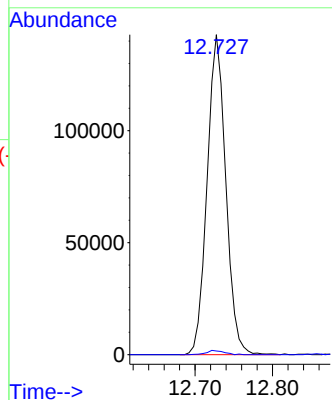
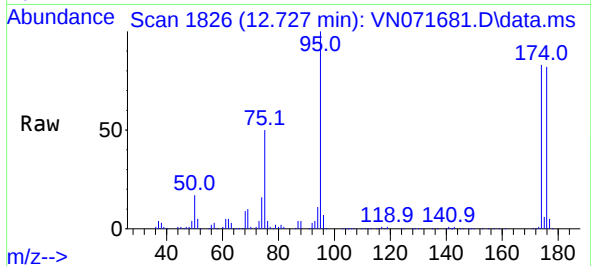




#76
1,2,3-Trichloropropane
Concen: 24.350 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

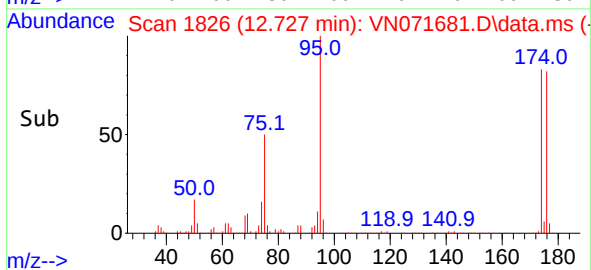
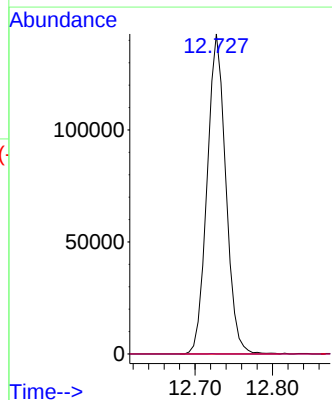
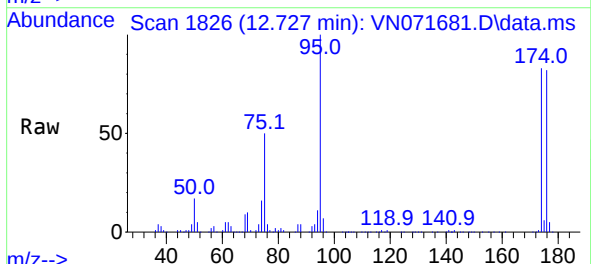
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

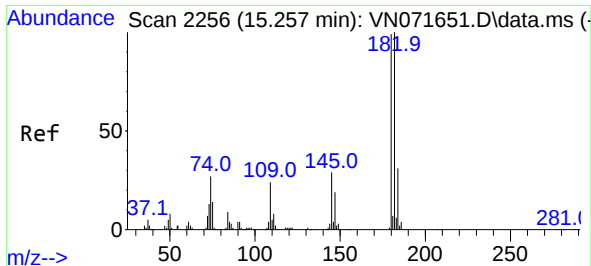
Tgt Ion: 75 Resp: 238972
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

Tgt Ion: 75 Resp: 238972
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

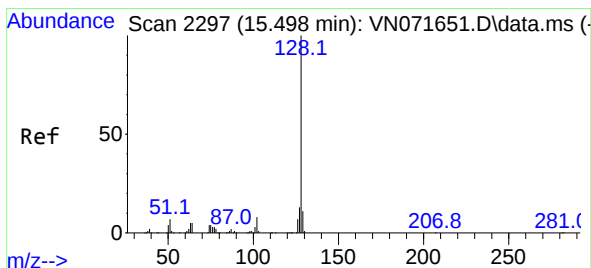
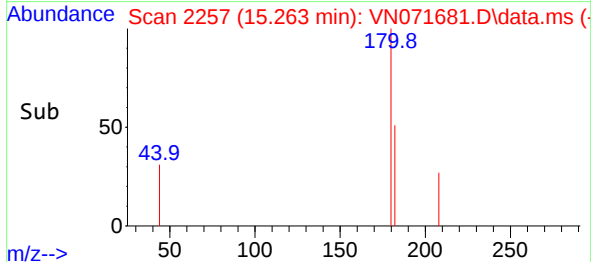
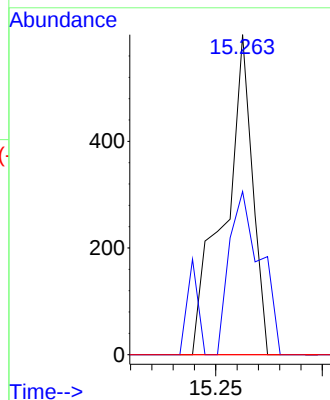
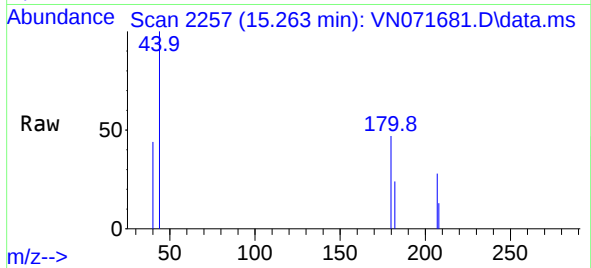




#93
1,2,4-Trichlorobenzene
Concen: 2.164 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

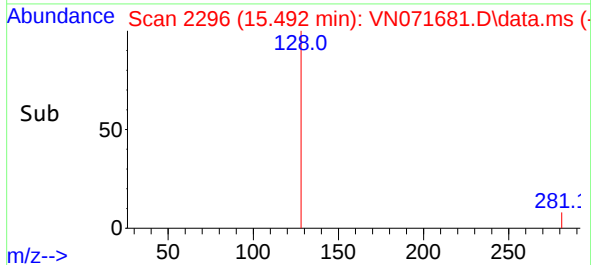
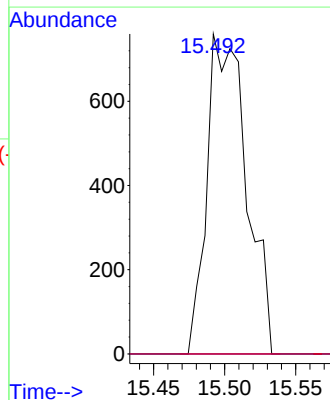
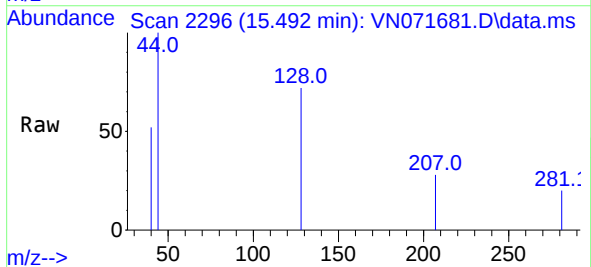
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321

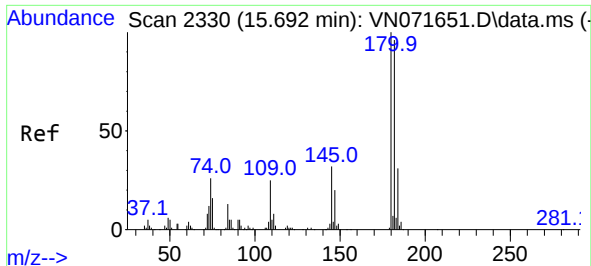
Tgt Ion:180 Resp: 550
Ion Ratio Lower Upper
180 100
182 56.7 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.873 ug/l
RT: 15.492 min Scan# 2296
Delta R.T. -0.006 min
Lab File: VN071681.D
Acq: 31 Mar 2022 00:56

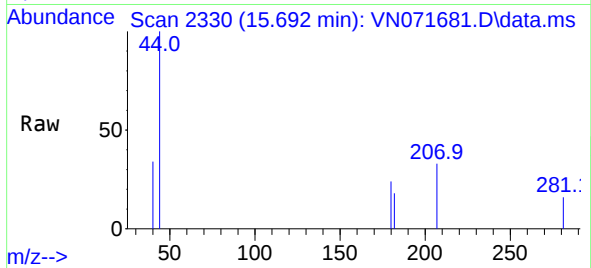
Tgt Ion:128 Resp: 1470
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.445 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071681.D
 Acq: 31 Mar 2022 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20220321



Tgt Ion:180 Resp: 209
 Ion Ratio Lower Upper
 180 100
 182 133.5 47.8 143.3
 145 0.0 15.5 46.5#

