

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071749.D
 Acq On : 01 Apr 2022 13:42
 Operator : JC\MD
 Sample : N2075-04DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20220321DL

Quant Time: Apr 02 00:53:23 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)

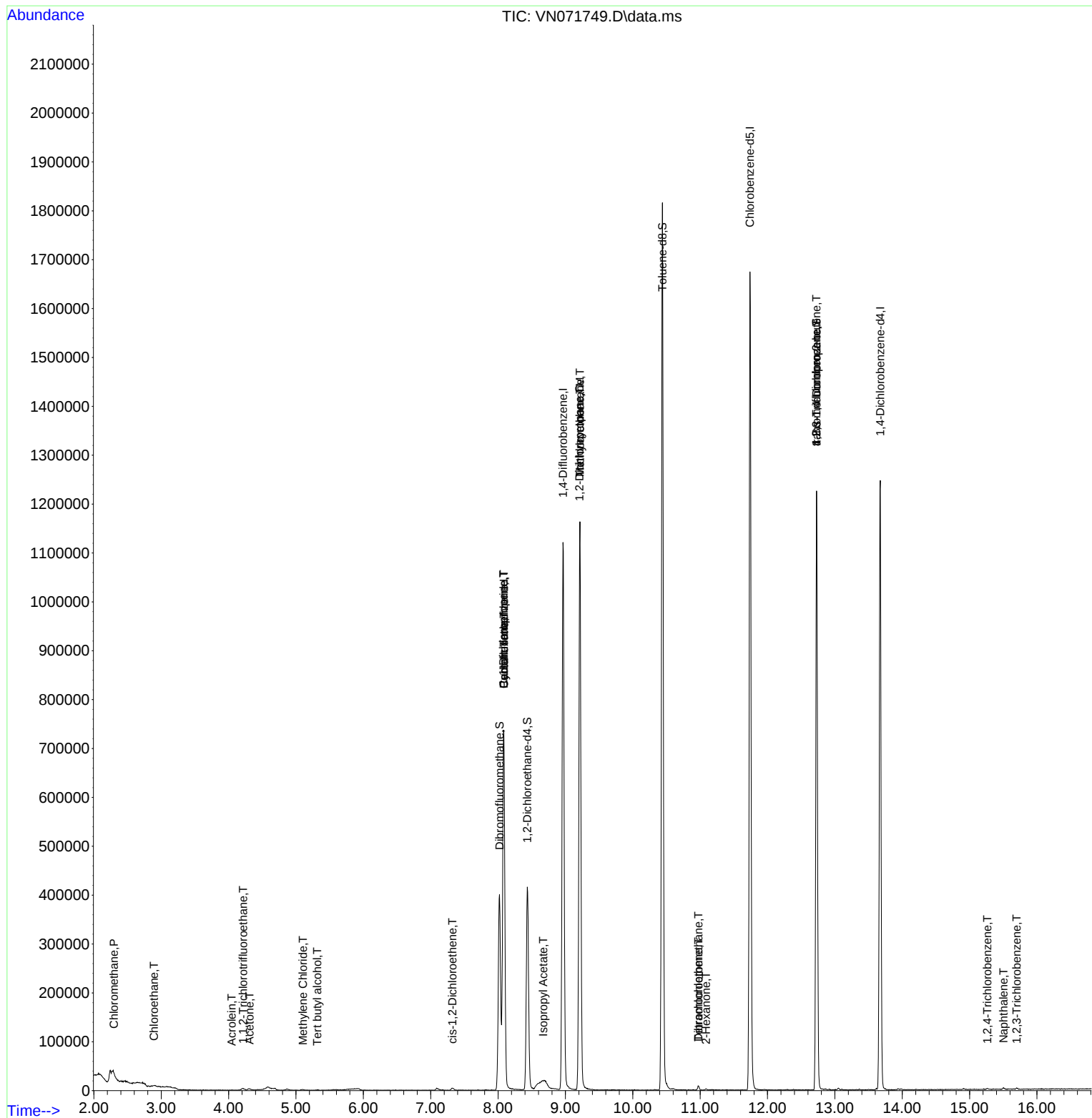
Internal Standards						
1) Pentafluorobenzene	8.086	168	616009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1041834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1049894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	371708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	354705	50.438	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.880%	
35) Dibromofluoromethane	8.022	113	302913	49.410	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.820%	
50) Toluene-d8	10.439	98	1307345	52.129	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.260%	
62) 4-Bromofluorobenzene	12.727	95	436314	53.794	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.580%	
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2412	0.389	ug/l #	82
6) Chloroethane	2.893	64	999	0.204	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.216	101	2486	0.465	ug/l #	28
11) Tert butyl alcohol	5.316	59	288	0.252	ug/l #	72
13) Acrolein	4.046	56	371	0.267	ug/l #	54
16) Acetone	4.310	43	2831	0.942	ug/l	94
18) Methyl Acetate	4.863	43	4858	Below Cal	#	85
20) Methylene Chloride	5.104	84	1592	0.251	ug/l #	61
27) cis-1,2-Dichloroethene	7.322	96	2439	0.356	ug/l	95
31) Cyclohexane	8.086	56	10959	1.146	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42296	4.940	ug/l #	48
38) Carbon Tetrachloride	8.086	117	56180	6.696	ug/l #	18
39) Methylcyclohexane	9.216	83	4719	0.463	ug/l #	1
43) Isopropyl Acetate	8.669	43	39019	2.503	ug/l #	54
44) Trichloroethene	9.216	130	462559	66.389	ug/l	99
45) 1,2-Dichloropropane	9.210	63	1364	0.202	ug/l #	1
49) 1,4-Dioxane	9.575	88	62	Below Cal	#	1
59) 2-Hexanone	11.086	43	2145	0.340	ug/l	73
60) Dibromochloromethane	10.975	129	1685	0.246	ug/l #	11
64) Tetrachloroethene	10.975	164	2080	0.300	ug/l #	88
76) 1,2,3-Trichloropropane	12.727	75	210931	24.496	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	210931	75.912	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	1124	2.268	ug/l #	85
95) Naphthalene	15.504	128	3406	3.989	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.698	180	1270	2.625	ug/l #	76

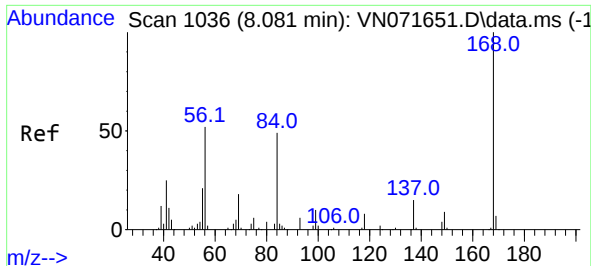
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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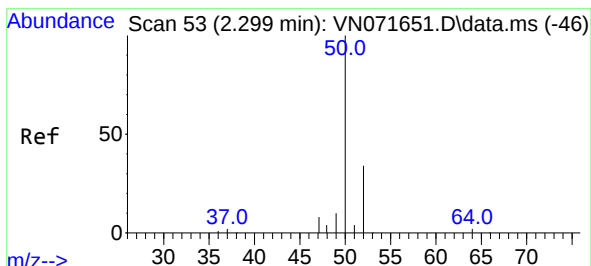
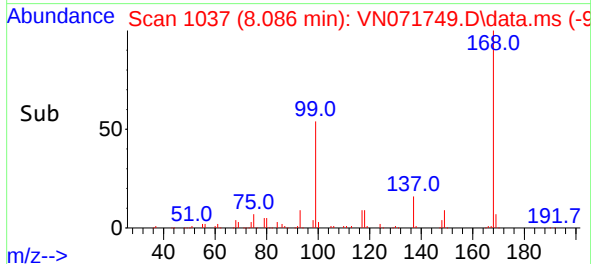
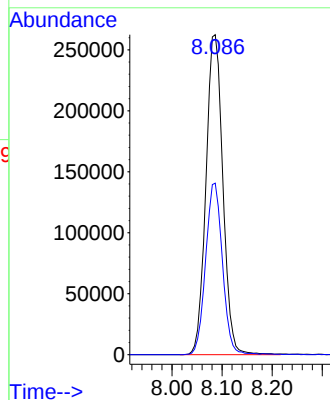
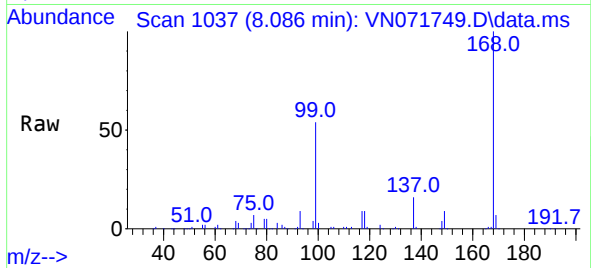




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

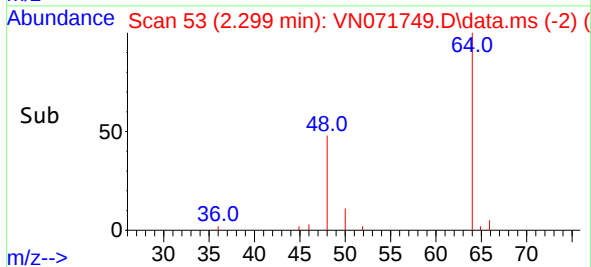
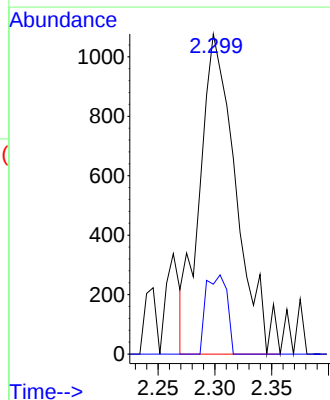
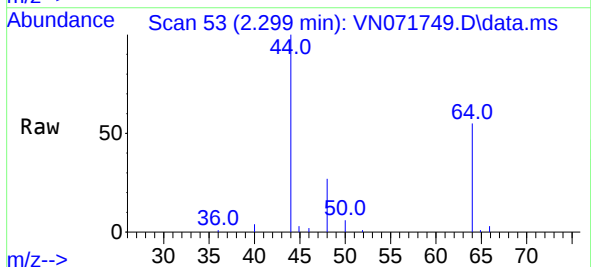
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

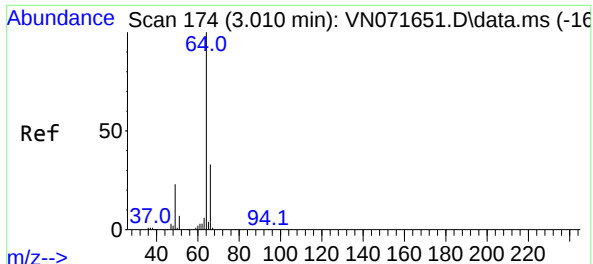
Tgt Ion:168 Resp: 616009
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: 0.389 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 50 Resp: 2412
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#

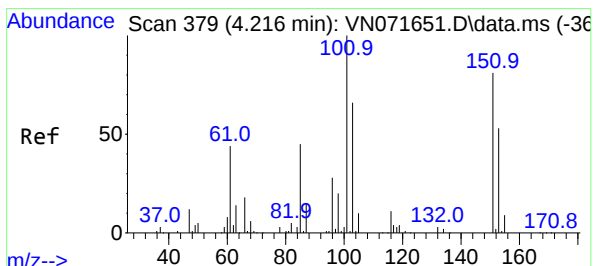
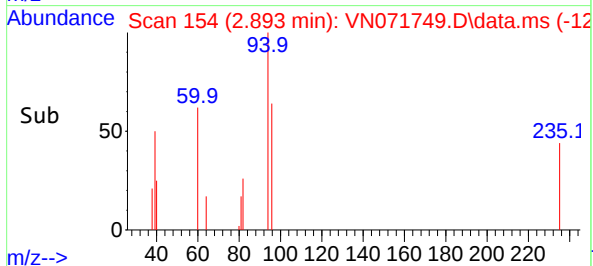
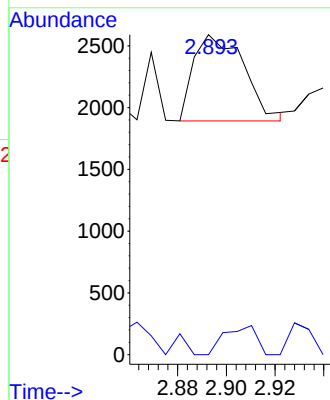
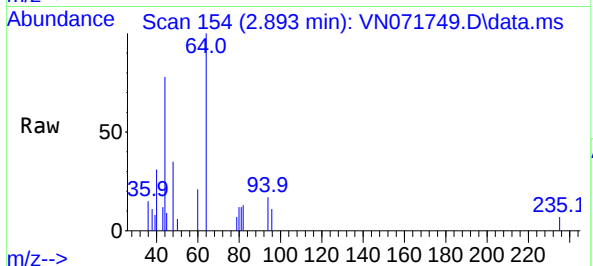




#6
Chloroethane
Concen: 0.204 ug/l
RT: 2.893 min Scan# 11
Delta R.T. -0.117 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

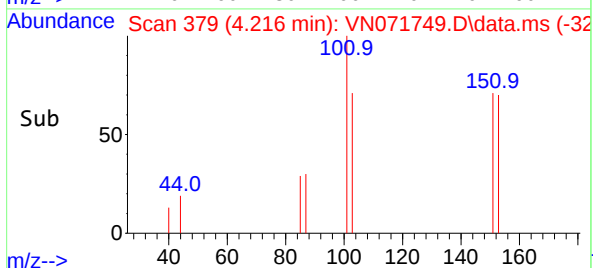
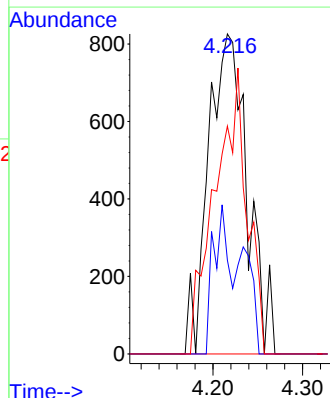
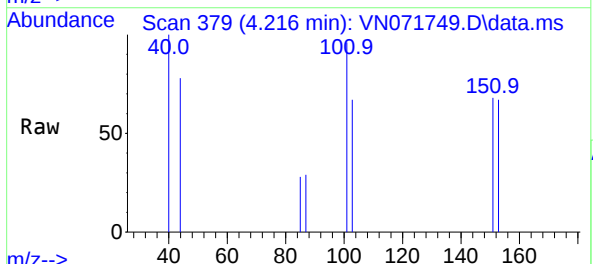
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

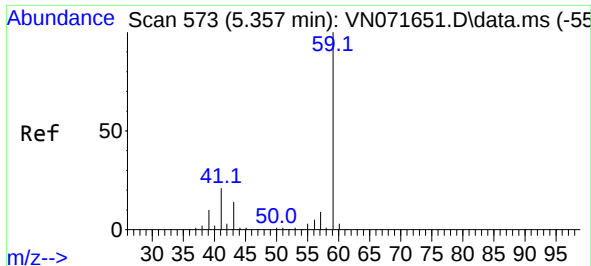
Tgt Ion: 64 Resp: 999
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.465 ug/l
RT: 4.216 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 101 Resp: 2486
Ion Ratio Lower Upper
101 100
85 18.9 34.7 52.1#
151 0.0 63.0 94.4#





#11

Tert butyl alcohol

Concen: 0.252 ug/l

RT: 5.316 min Scan# 5

Delta R.T. -0.041 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

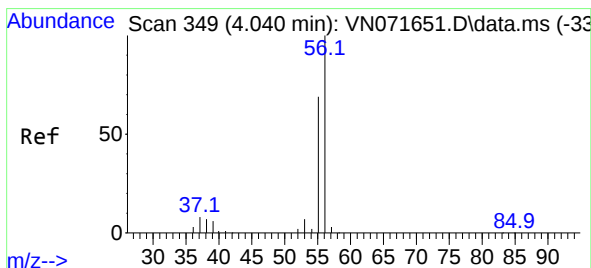
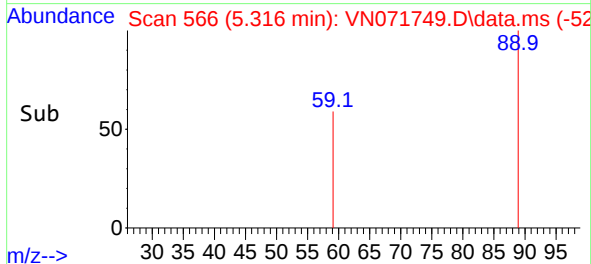
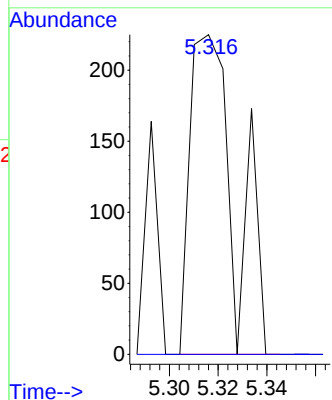
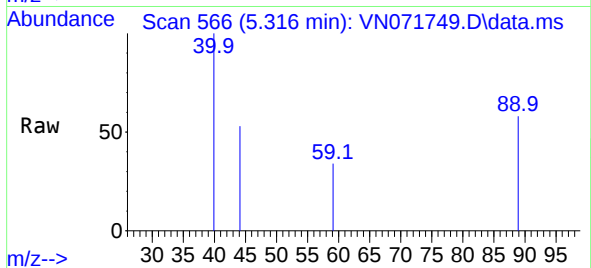
DUP03-20220321DL

Tgt Ion: 59 Resp: 288

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.267 ug/l

RT: 4.046 min Scan# 350

Delta R.T. 0.006 min

Lab File: VN071749.D

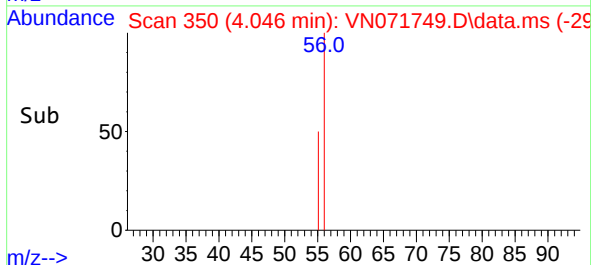
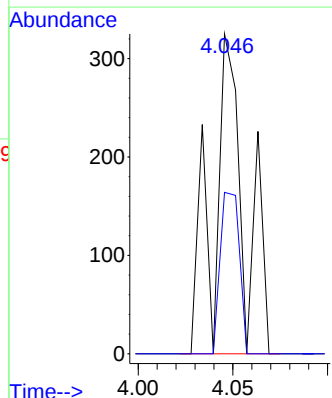
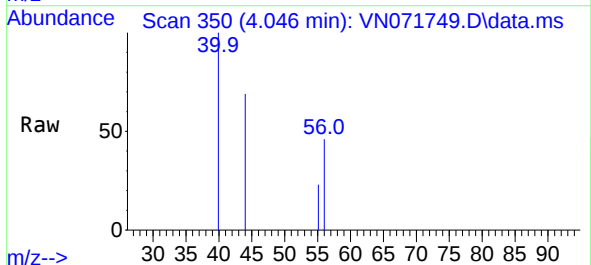
Acq: 01 Apr 2022 13:42

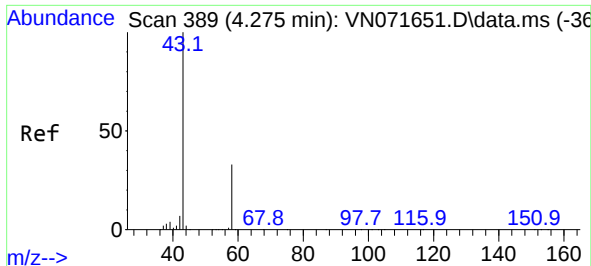
Tgt Ion: 56 Resp: 371

Ion Ratio Lower Upper

56 100

55 31.0 54.8 82.2#

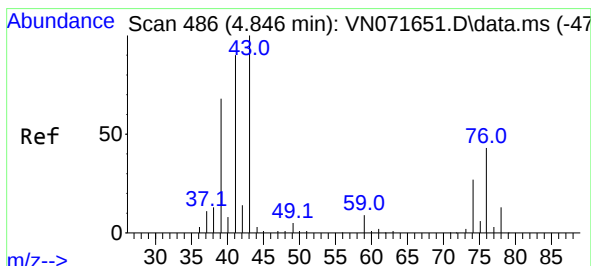
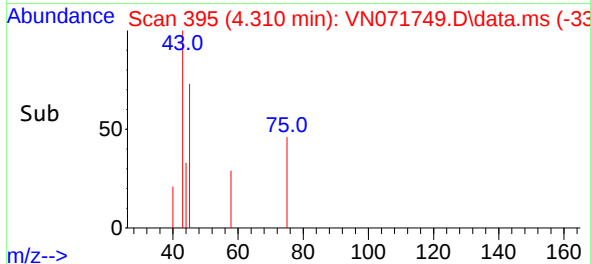
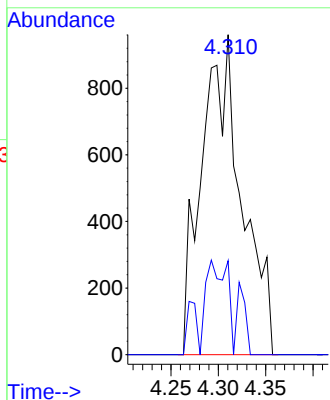
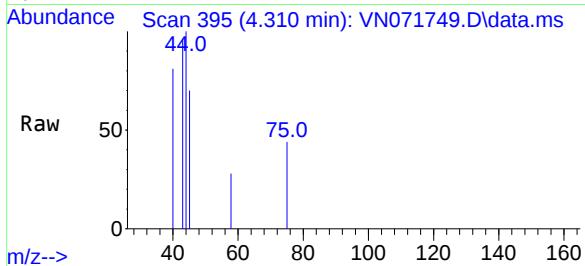




#16
Acetone
Concen: 0.942 ug/l
RT: 4.310 min Scan# 395
Delta R.T. 0.035 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

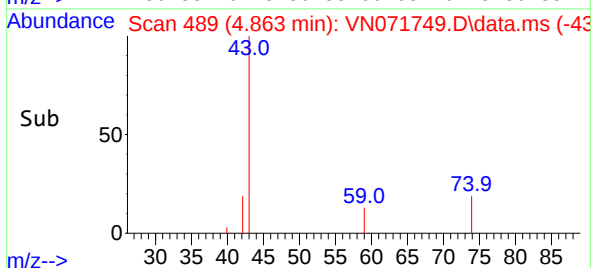
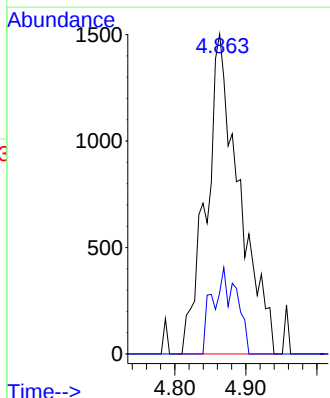
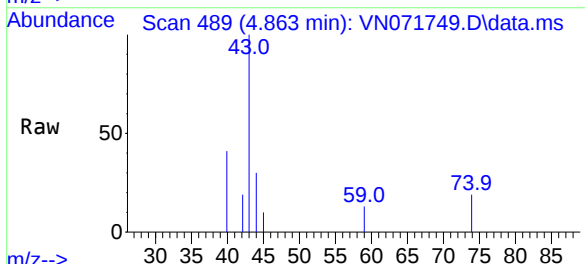
Instrument :
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ClientSampleId :
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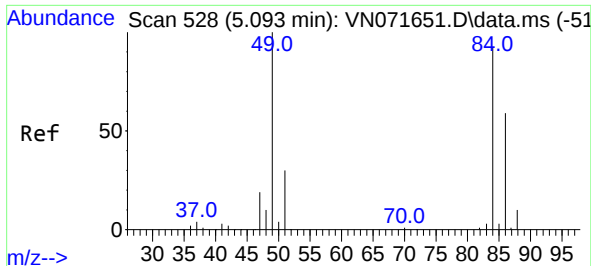
Tgt Ion: 43 Resp: 2831
Ion Ratio Lower Upper
43 100
58 29.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 43 Resp: 4858
Ion Ratio Lower Upper
43 100
74 19.5 21.6 32.4#



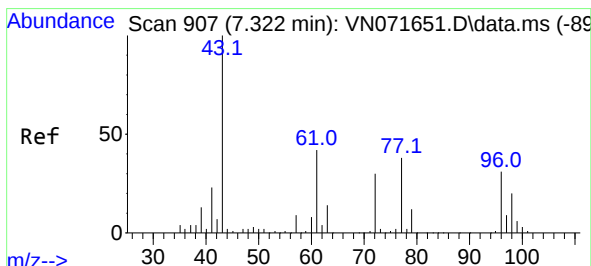
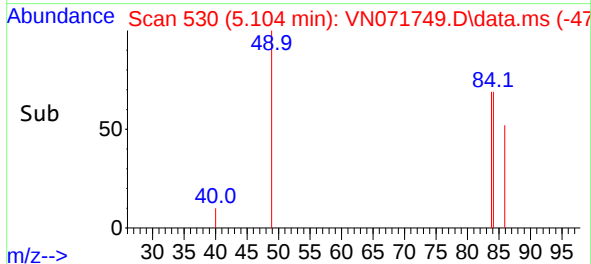
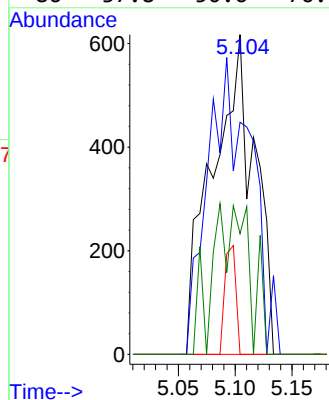
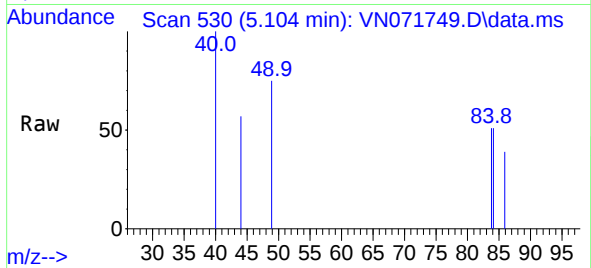


#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

Tgt Ion: 84 Resp: 1592

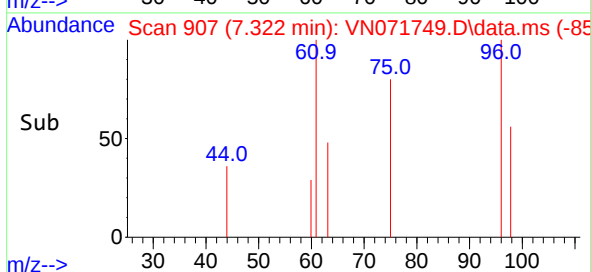
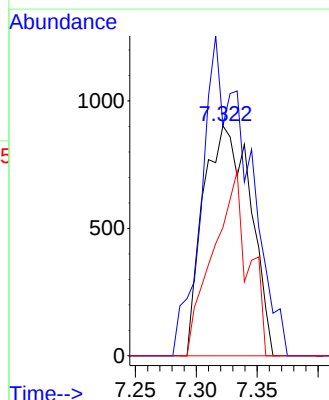
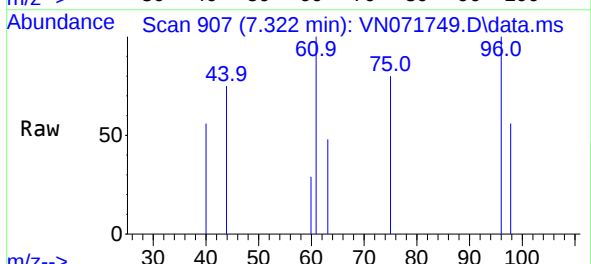
Ion	Ratio	Lower	Upper
84	100		
49	72.6	88.3	132.5#
51	0.0	28.2	42.2#
86	37.8	50.6	76.0#

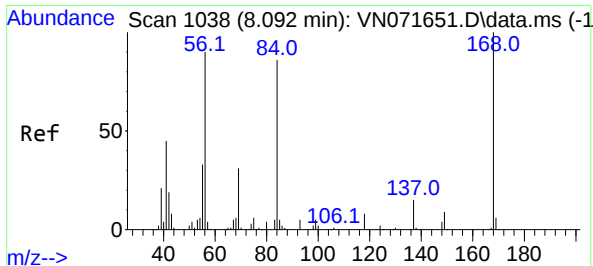


#27
cis-1,2-Dichloroethene
Concen: 0.356 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 96 Resp: 2439

Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	280.6
98	60.1	0.0	128.4

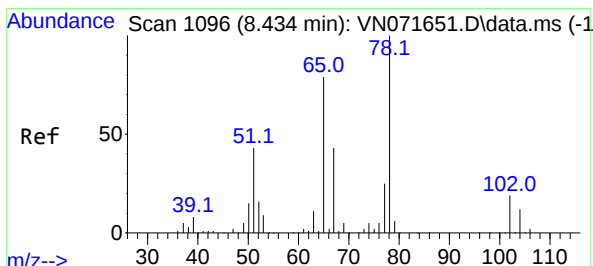
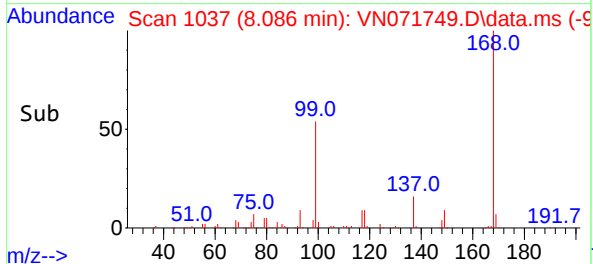
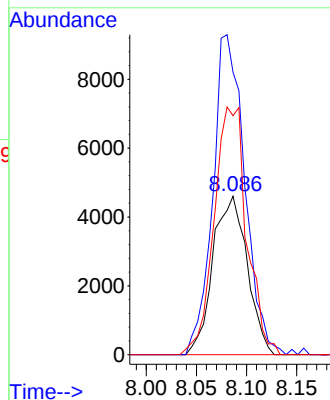
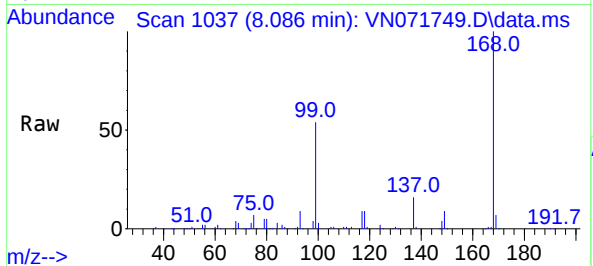




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

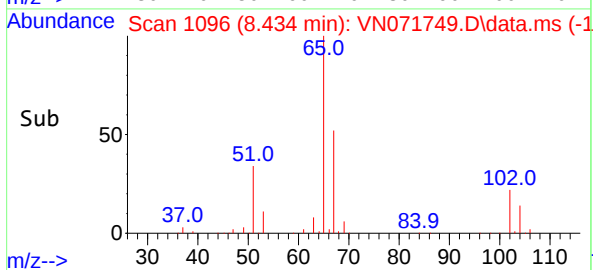
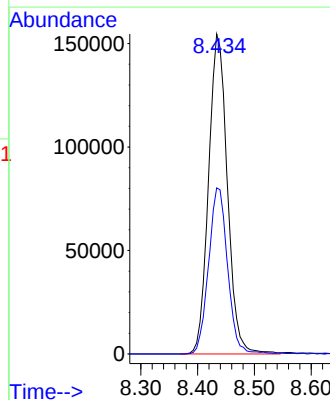
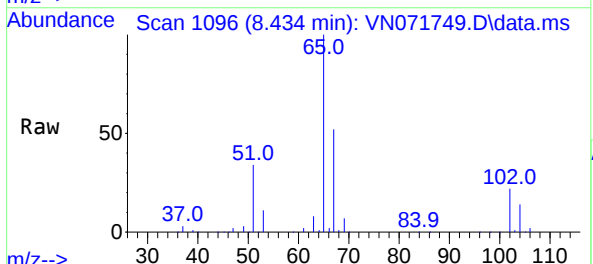
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MSVOA_N
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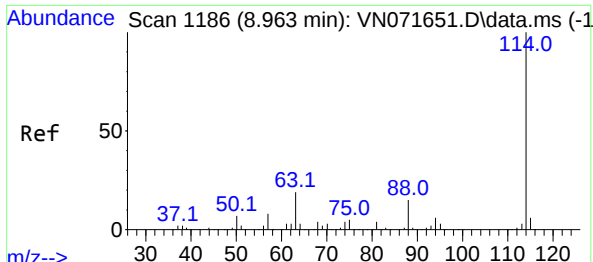
Tgt Ion: 56 Resp: 10959
Ion Ratio Lower Upper
56 100
69 178.5 27.8 41.8#
84 151.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.438 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 65 Resp: 354705
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

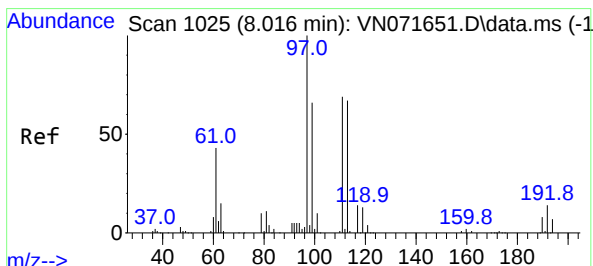
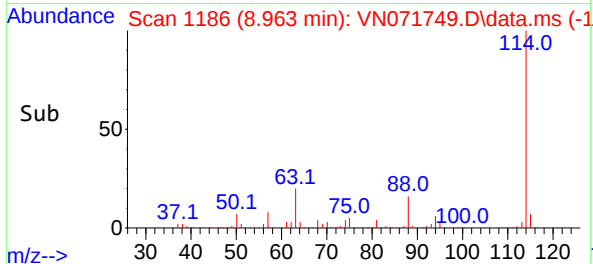
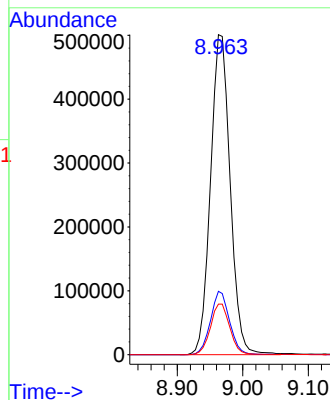
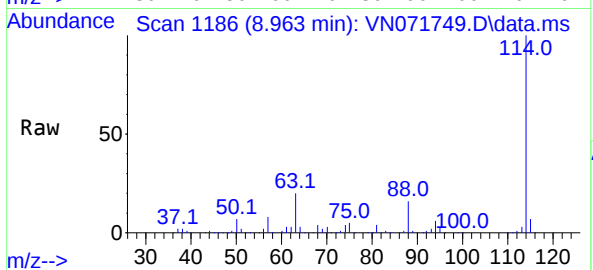




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

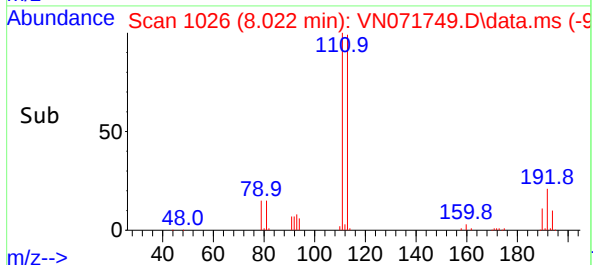
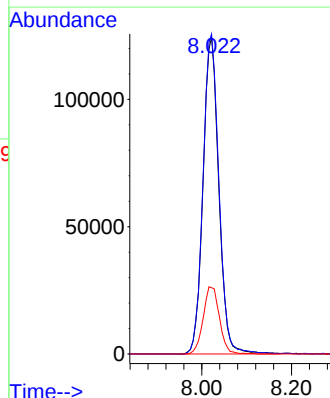
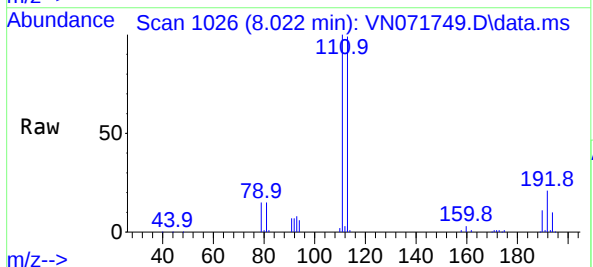
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

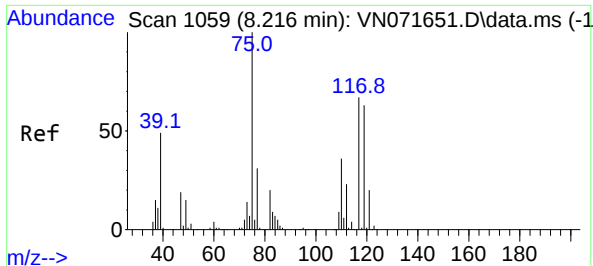
Tgt Ion:114 Resp: 1041834
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.410 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion:113 Resp: 302913
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 21.7 17.0 25.6

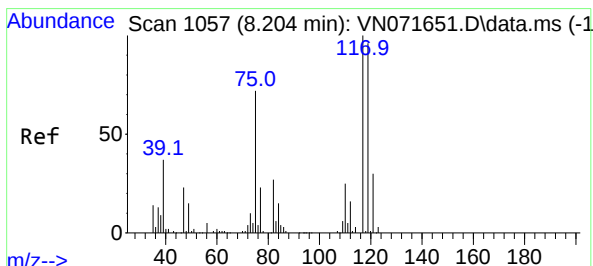
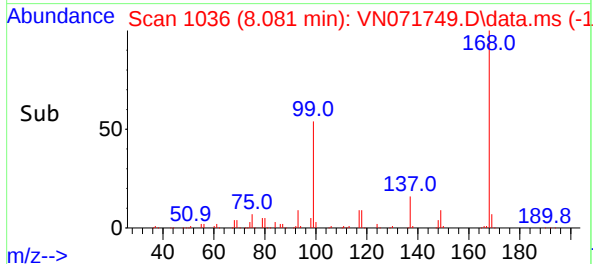
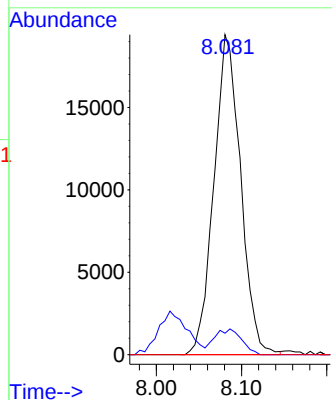
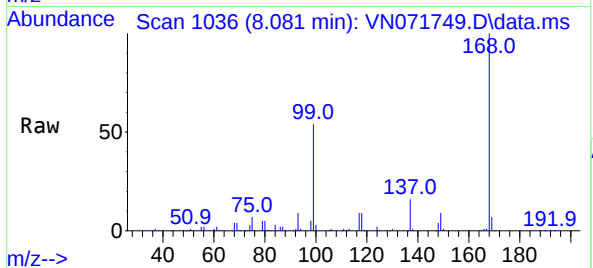




#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

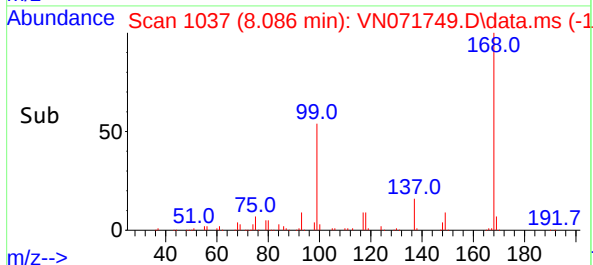
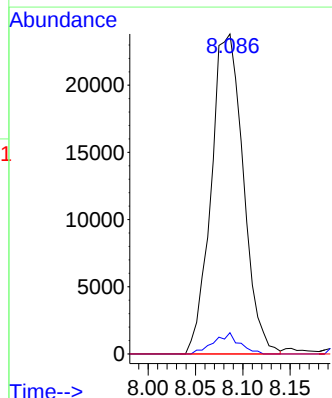
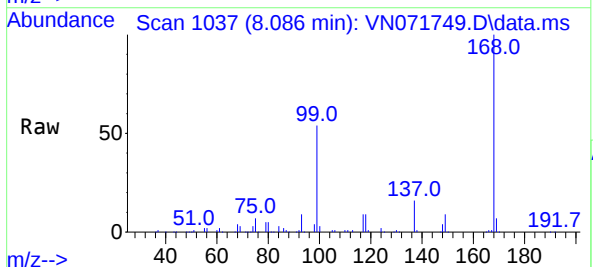
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

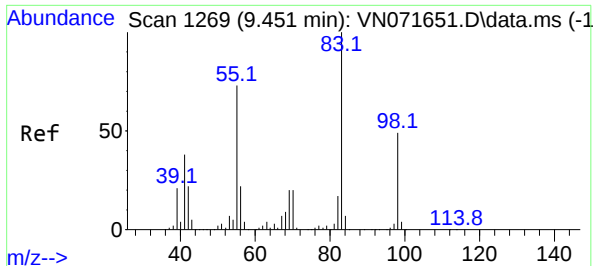
Tgt Ion: 75 Resp: 42296
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.696 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 117 Resp: 56180
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.463 ug/l

RT: 9.216 min Scan# 1136

Delta R.T. -0.235 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

DUP03-20220321DL

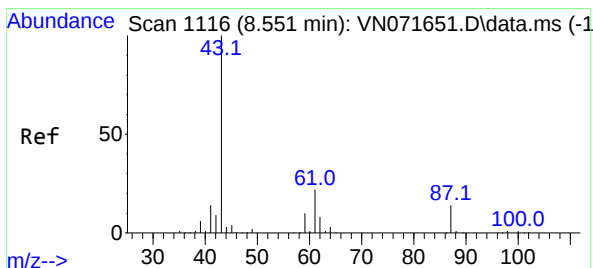
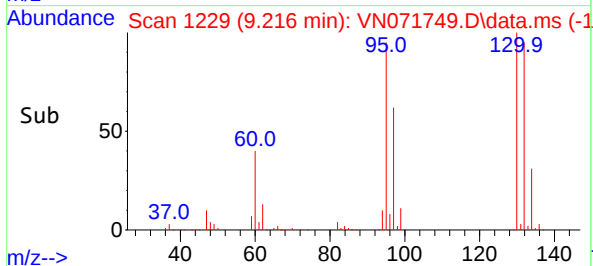
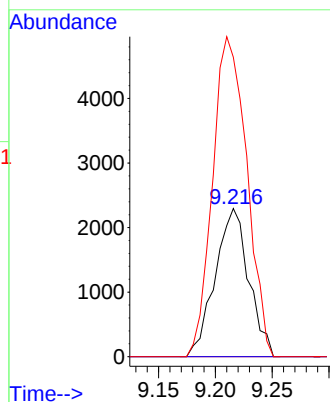
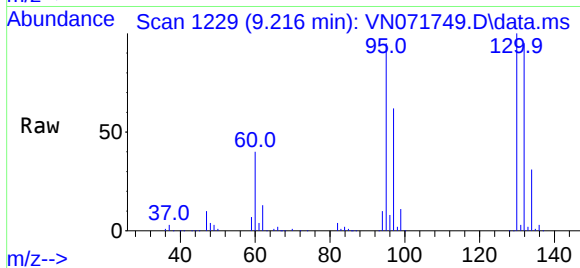
Tgt Ion: 83 Resp: 4719

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 202.1 39.4 59.2#



#43

Isopropyl Acetate

Concen: 2.503 ug/l

RT: 8.669 min Scan# 1136

Delta R.T. 0.118 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

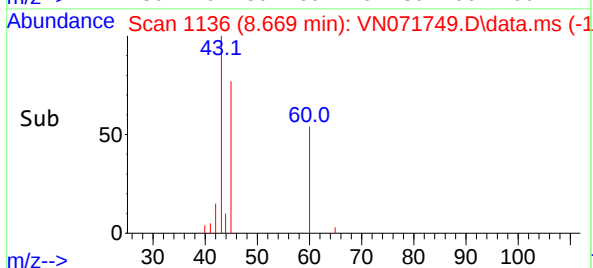
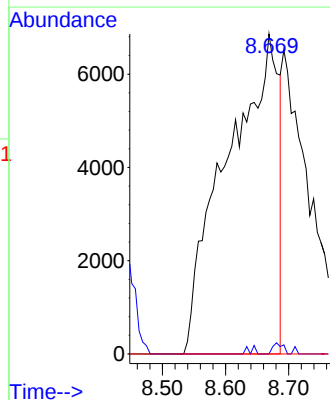
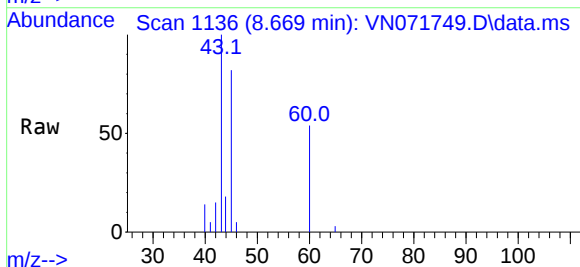
Tgt Ion: 43 Resp: 39019

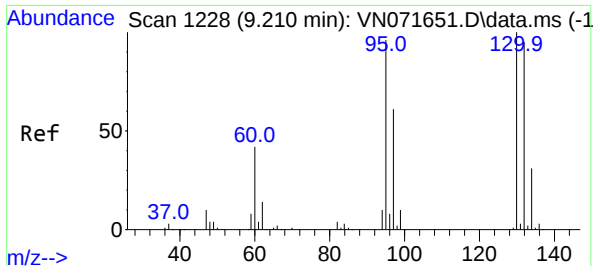
Ion Ratio Lower Upper

43 100

61 0.7 21.9 32.9#

87 0.0 12.0 18.0#

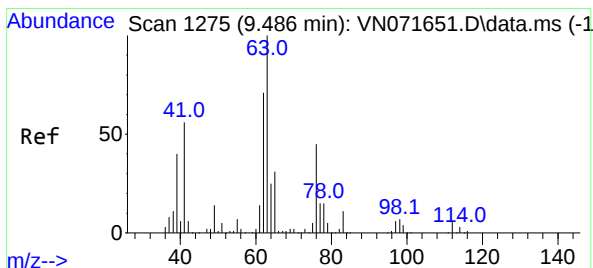
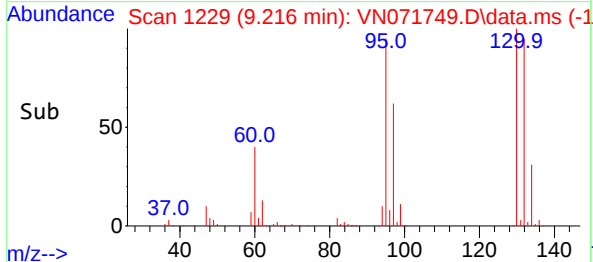
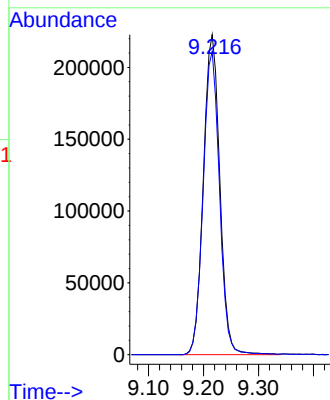
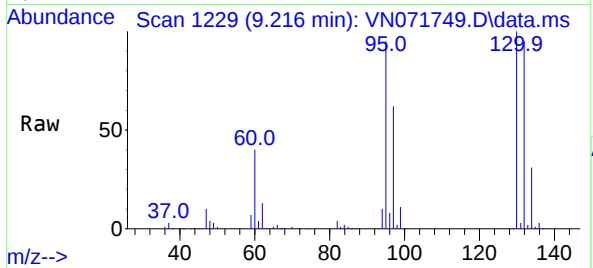




#44
Trichloroethene
Concen: 66.389 ug/l
RT: 9.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

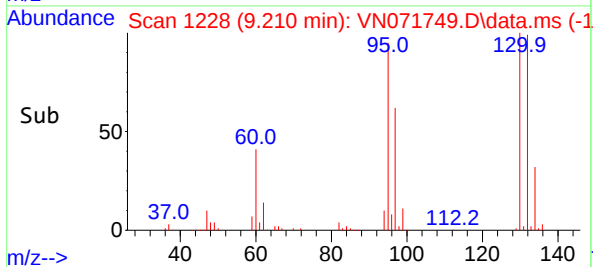
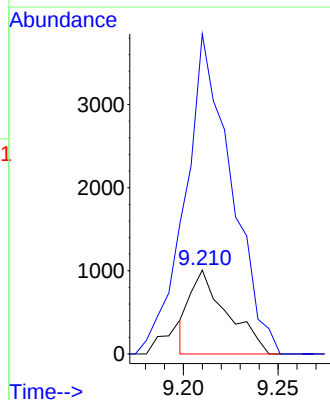
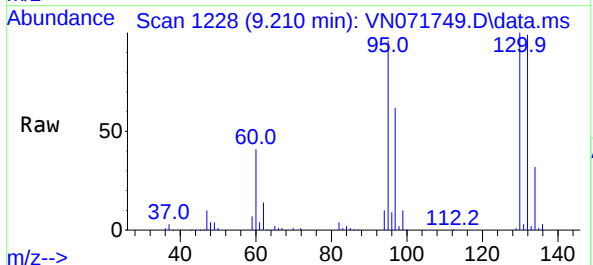
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

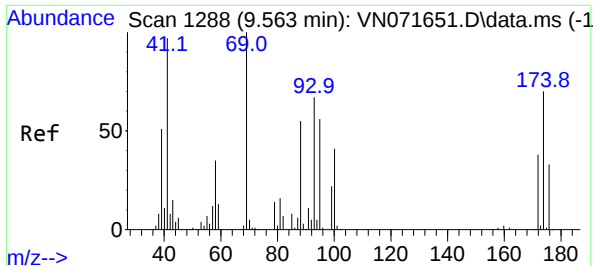
Tgt Ion:130 Resp: 462559
Ion Ratio Lower Upper
130 100
95 94.8 0.0 186.8



#45
1,2-Dichloropropane
Concen: 0.202 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.276 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 63 Resp: 1364
Ion Ratio Lower Upper
63 100
65 381.4 24.9 37.3#

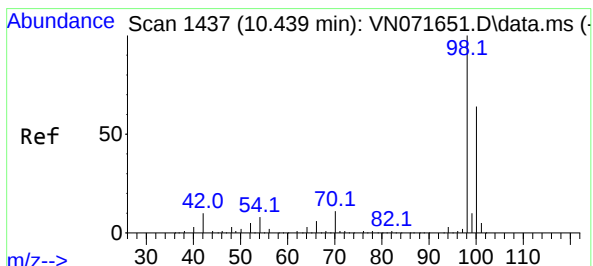
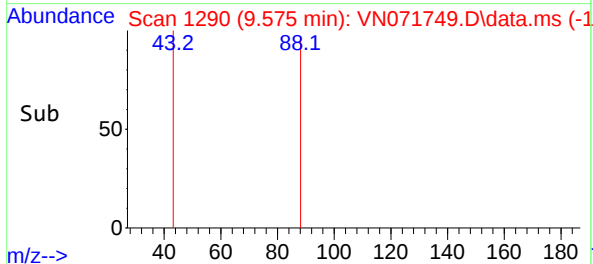
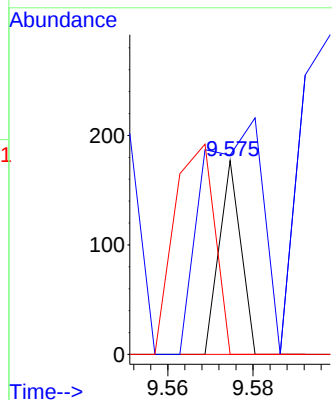
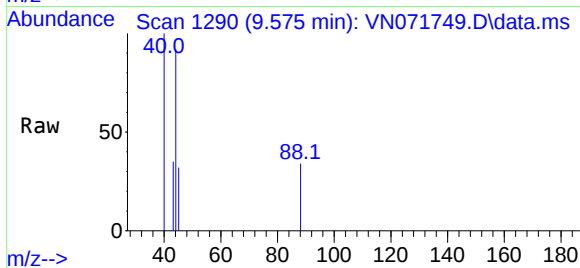




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

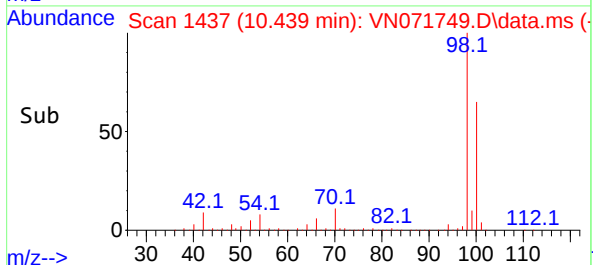
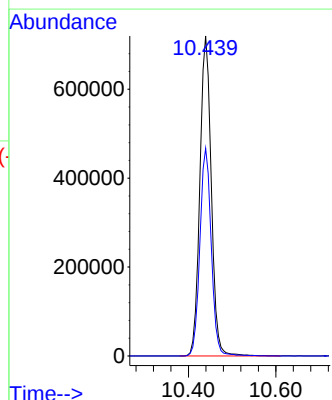
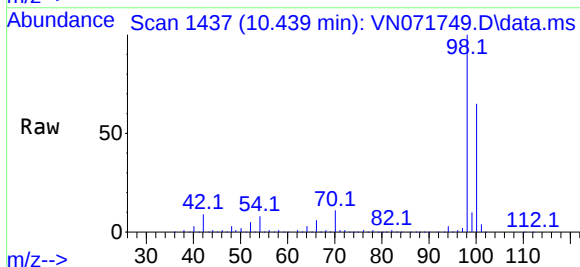
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

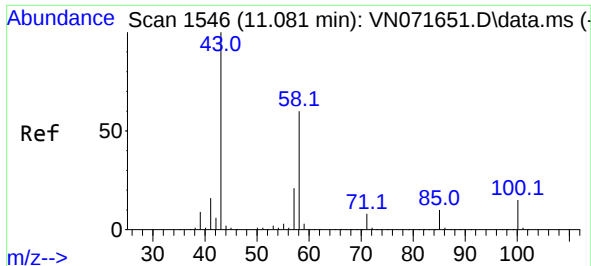
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 333.9 20.2 30.4#
58 203.2 54.2 81.4#



#50
Toluene-d8
Concen: 52.129 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 98 Resp: 1307345
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#59

2-Hexanone

Concen: 0.340 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

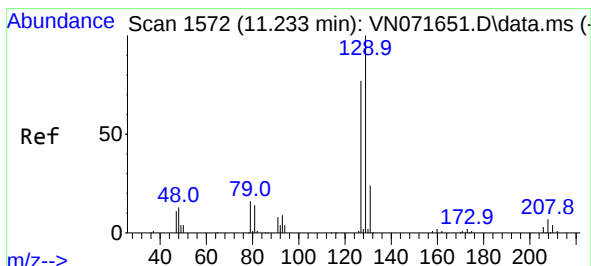
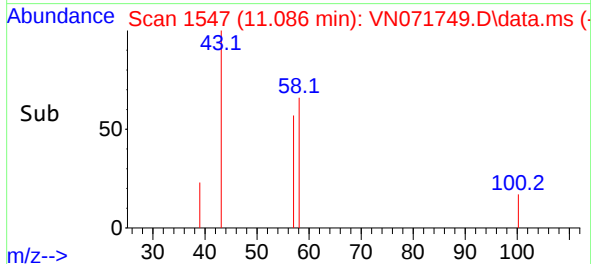
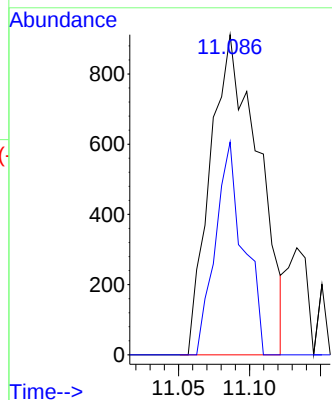
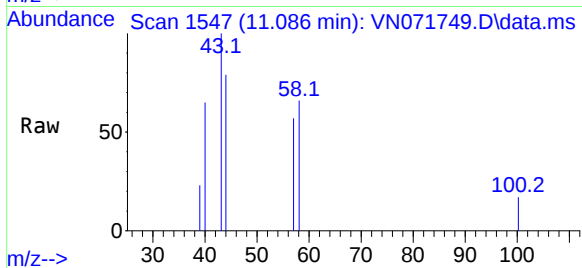
DUP03-20220321DL

Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

43 100

58 39.1 29.7 89.1



#60

Dibromochloromethane

Concen: 0.246 ug/l

RT: 10.975 min Scan# 1528

Delta R.T. -0.258 min

Lab File: VN071749.D

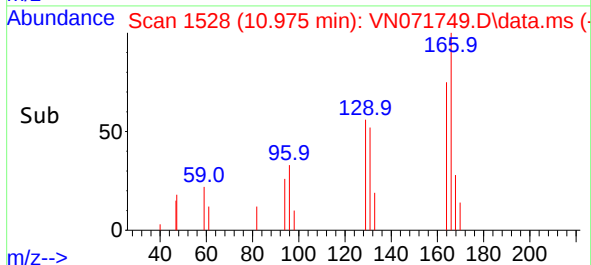
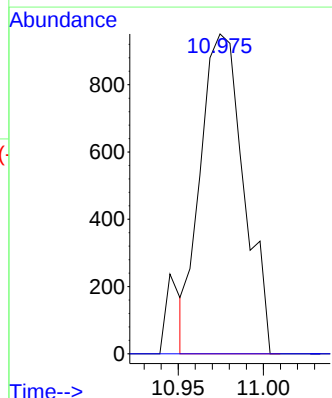
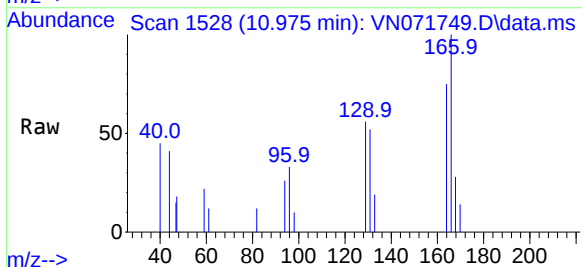
Acq: 01 Apr 2022 13:42

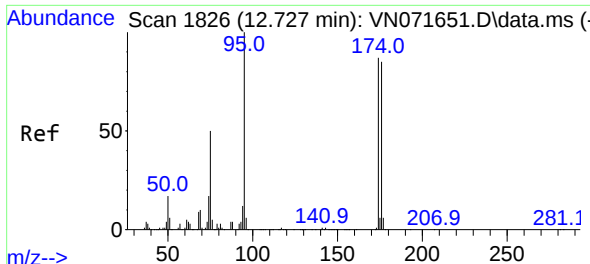
Tgt Ion: 129 Resp: 1685

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

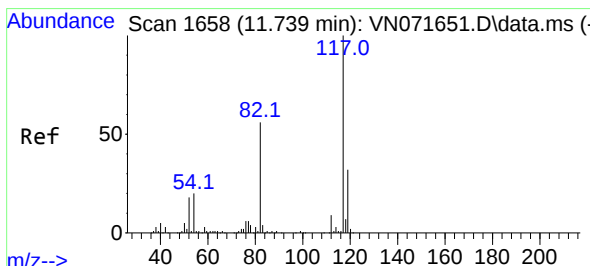
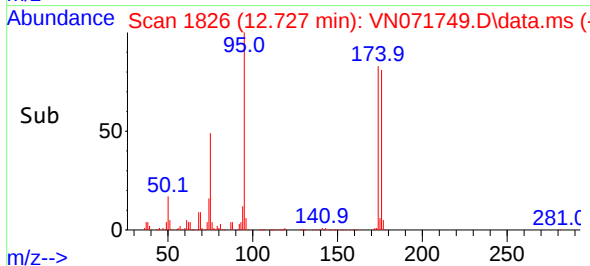
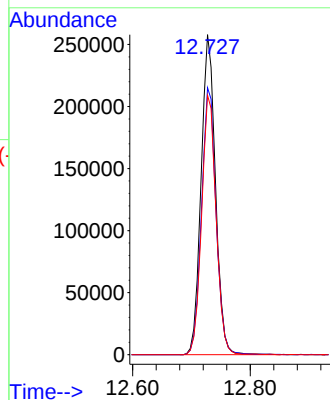
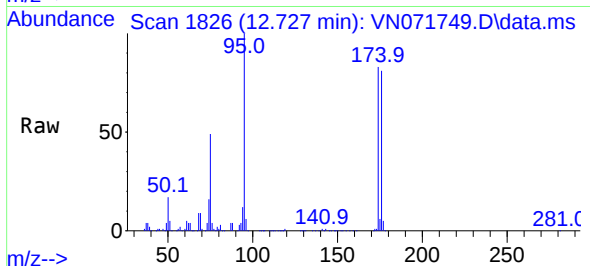




#62
4-Bromofluorobenzene
Concen: 53.794 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

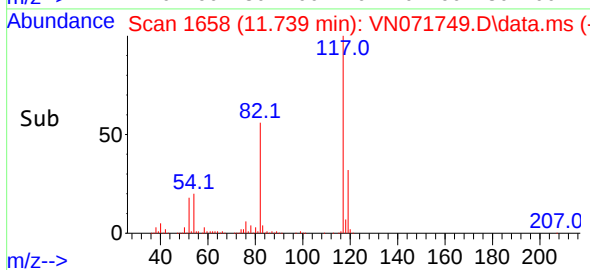
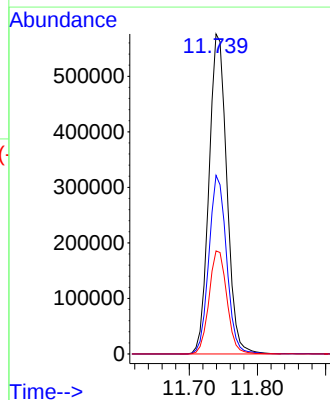
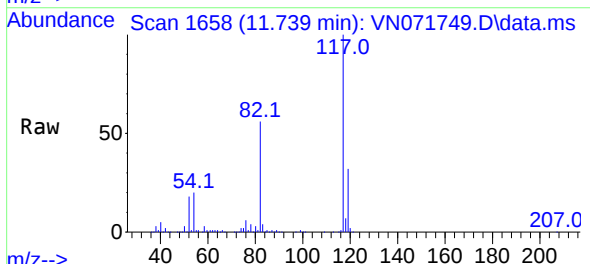
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

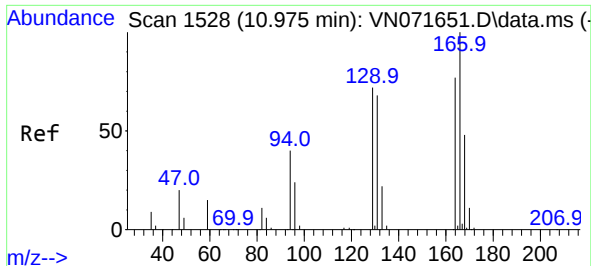
Tgt Ion: 95 Resp: 436314
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.6
176 81.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

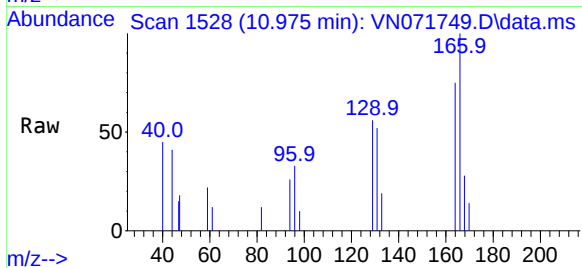
Tgt Ion: 117 Resp: 1049894
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.2 25.4 38.0



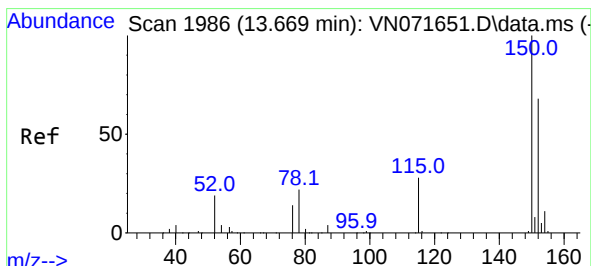
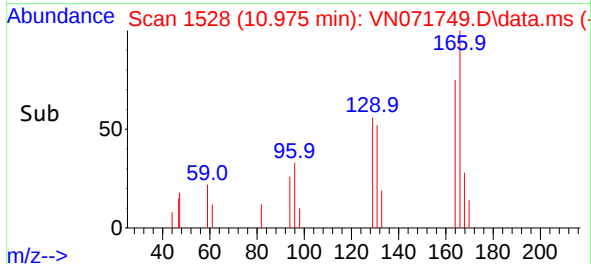
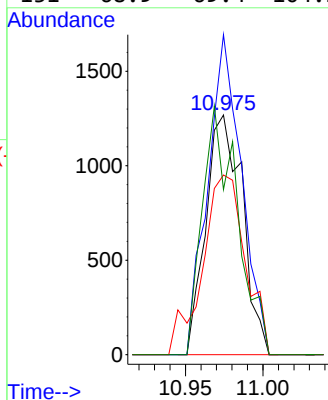


#64
Tetrachloroethene
Concen: 0.300 ug/l
RT: 10.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

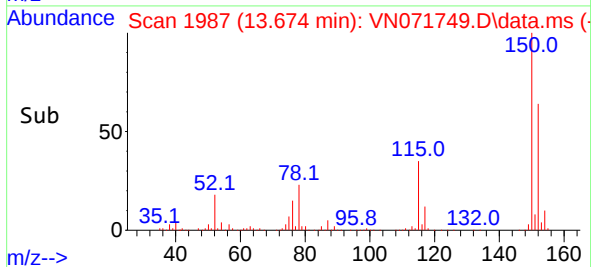
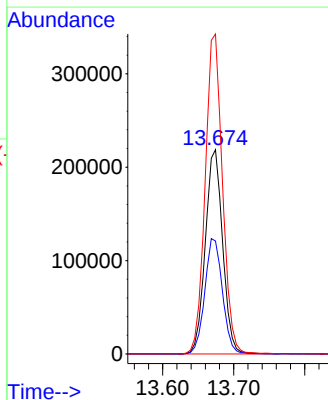
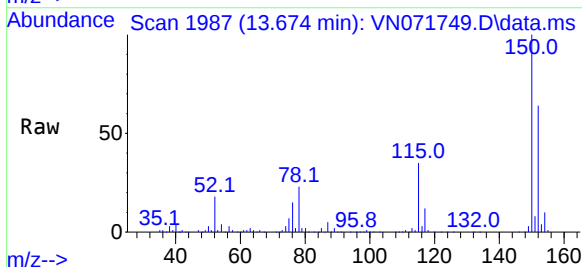


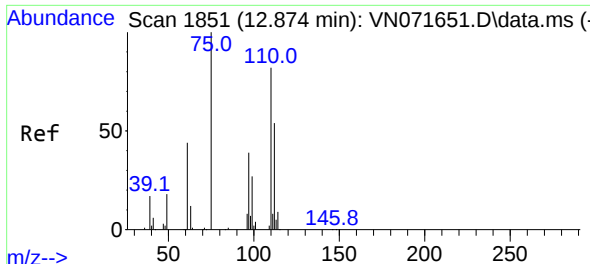
Tgt Ion:164 Resp: 2080
Ion Ratio Lower Upper
164 100
166 133.5 104.2 156.2
129 74.9 73.9 110.9
131 68.9 69.4 104.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion:152 Resp: 371708
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.4 0.0 356.2

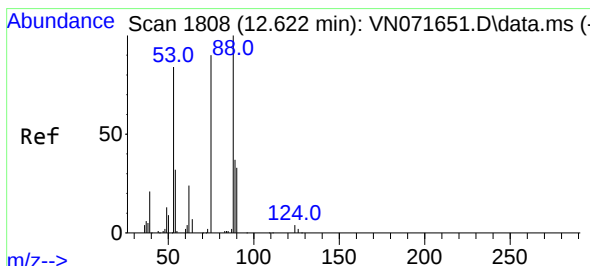
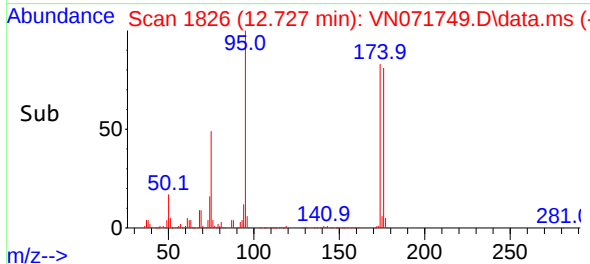
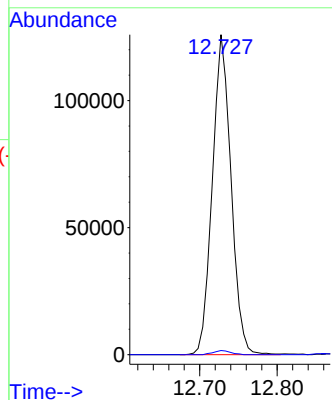
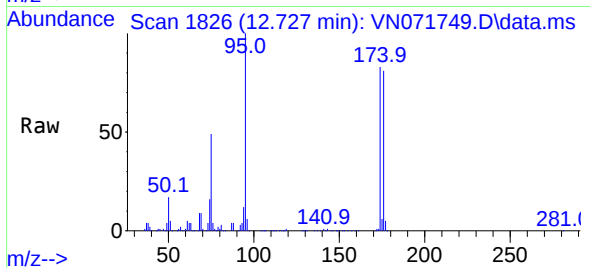




#76
1,2,3-Trichloropropane
Concen: 24.496 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

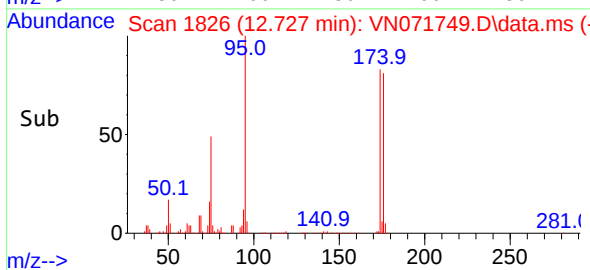
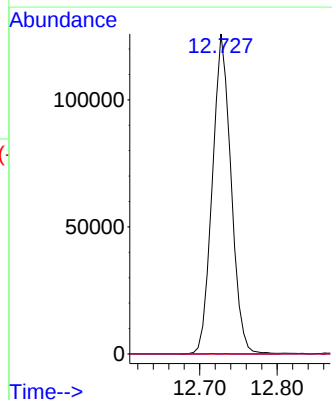
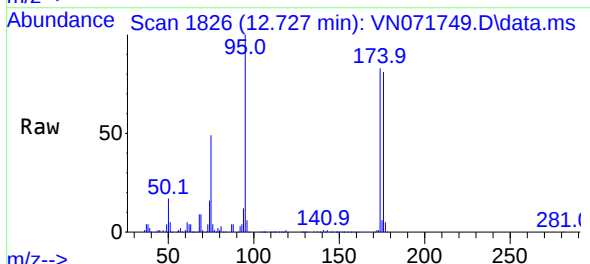
Instrument :
MSVOA_N
ClientSampleId :
DUP03-20220321DL

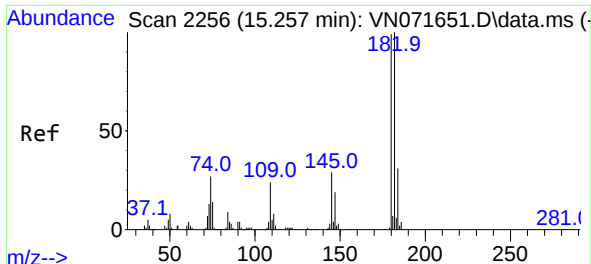
Tgt Ion: 75 Resp: 210931
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.912 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071749.D
Acq: 01 Apr 2022 13:42

Tgt Ion: 75 Resp: 210931
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: 2.268 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

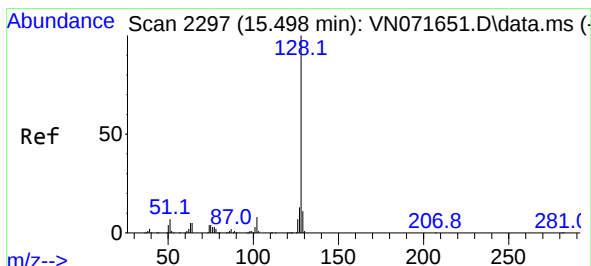
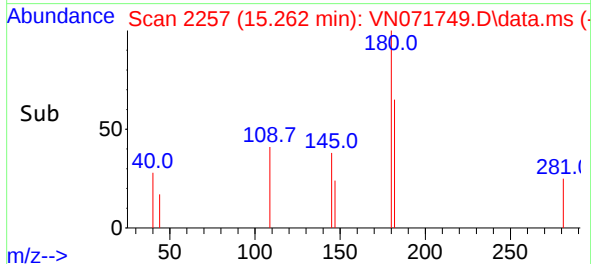
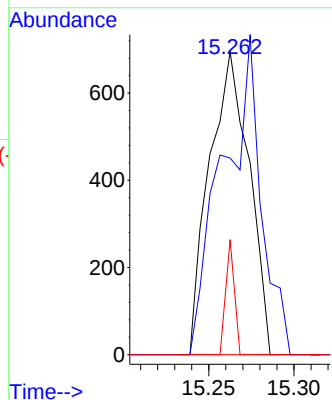
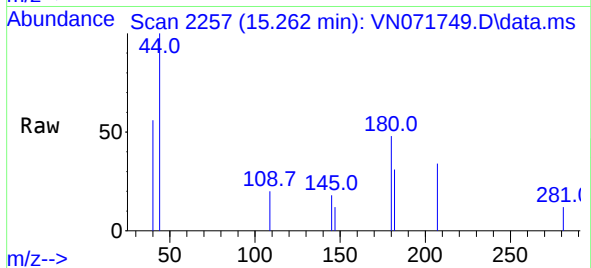
Instrument :

MSVOA_N

ClientSampleId :

DUP03-20220321DL

Tgt Ion:180	Resp:	1124
Ion Ratio	Lower	Upper
180	100	
182	102.0	47.5 142.5
145	8.3	14.5 43.5#



#95

Naphthalene

Concen: 3.989 ug/l

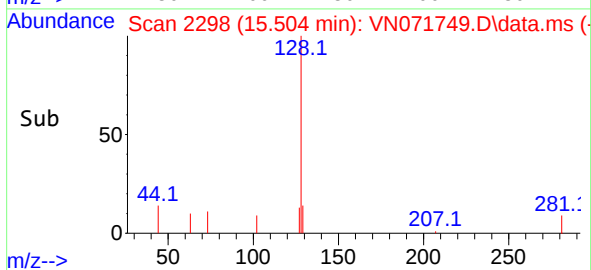
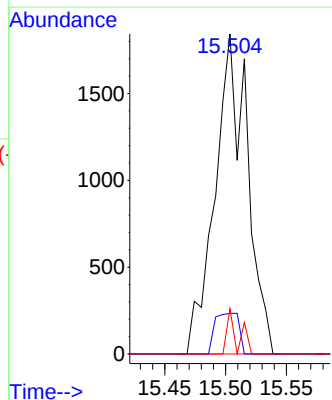
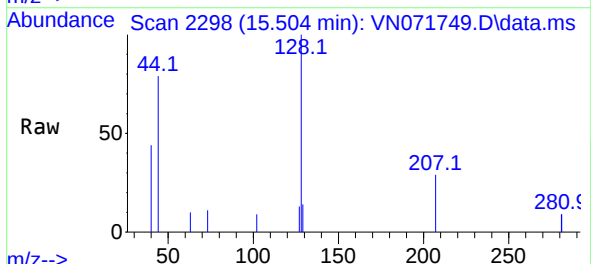
RT: 15.504 min Scan# 2298

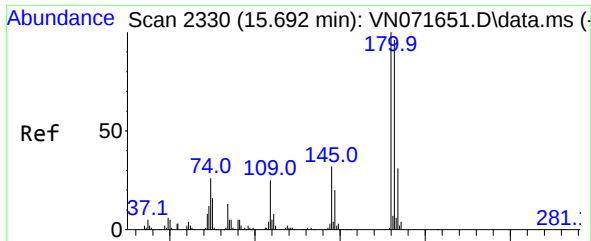
Delta R.T. 0.006 min

Lab File: VN071749.D

Acq: 01 Apr 2022 13:42

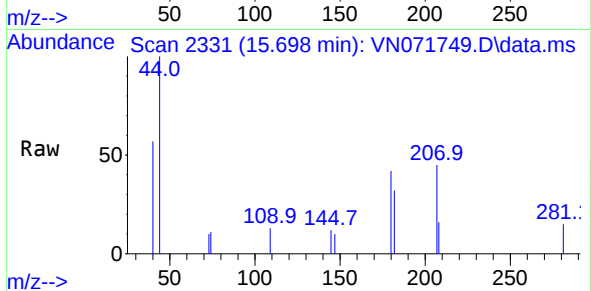
Tgt Ion:128	Resp:	3406
Ion Ratio	Lower	Upper
128	100	
127	9.4	10.3 15.5#
129	4.6	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.625 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071749.D
 Acq: 01 Apr 2022 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP03-20220321DL



Tgt Ion:	180	Resp:	1270
Ion	Ratio	Lower	Upper
180	100		
182	79.1	47.8	143.3
145	5.0	15.5	46.5#

