

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071682.D
 Acq On : 31 Mar 2022 01:20
 Operator : JC\MD
 Sample : N2075-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D2-20220322

Quant Time: Mar 31 07:45:40 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)

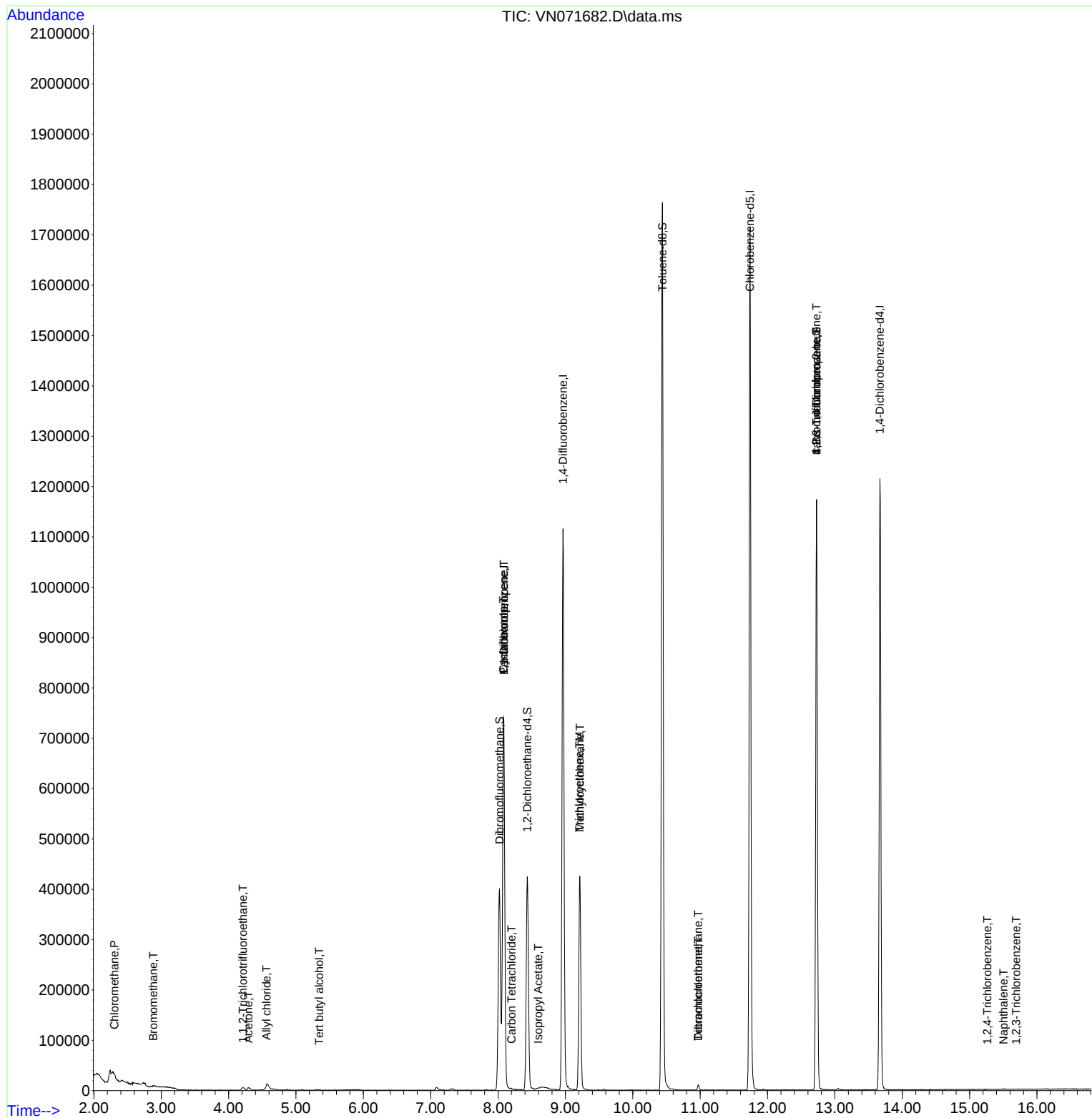
Internal Standards						
1) Pentafluorobenzene	8.087	168	614429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1030480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1035679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	358579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	356391	50.808	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.620%	
35) Dibromofluoromethane	8.022	113	299364	49.369	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.740%	
50) Toluene-d8	10.439	98	1301239	52.458	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.920%	
62) 4-Bromofluorobenzene	12.727	95	423058	52.734	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2445	0.395	ug/l #	88
5) Bromomethane	2.881	94	1353	0.306	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	4.210	101	3935	0.738	ug/l	96
11) Tert butyl alcohol	5.346	59	501	0.440	ug/l #	72
14) Allyl chloride	4.563	41	1722	0.209	ug/l #	57
16) Acetone	4.293	43	6664	2.223	ug/l #	87
18) Methyl Acetate	4.875	43	3081	Below Cal	#	87
31) Cyclohexane	8.081	56	10858	1.138	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	42705	5.043	ug/l #	48
38) Carbon Tetrachloride	8.198	117	1749	0.211	ug/l #	85
39) Methylcyclohexane	9.216	83	2026	0.201	ug/l #	1
43) Isopropyl Acetate	8.598	43	3306	0.214	ug/l #	53
44) Trichloroethene	9.210	130	171056	24.821	ug/l	98
49) 1,4-Dioxane	9.569	88	1280	Below Cal	#	95
60) Dibromochloromethane	10.969	129	2156	0.318	ug/l #	11
64) Tetrachloroethene	10.969	164	2636	0.385	ug/l	89
76) 1,2,3-Trichloropropane	12.727	75	207969	25.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	207969	77.586	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	231	2.125	ug/l #	34
95) Naphthalene	15.504	128	910	3.854	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.692	180	111	2.433	ug/l #	1

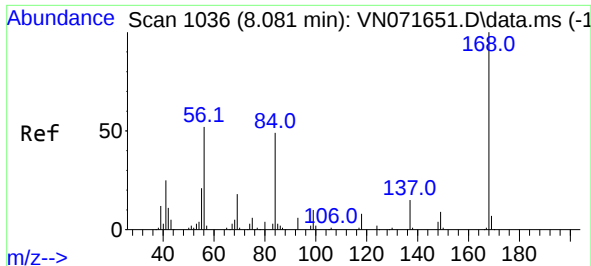
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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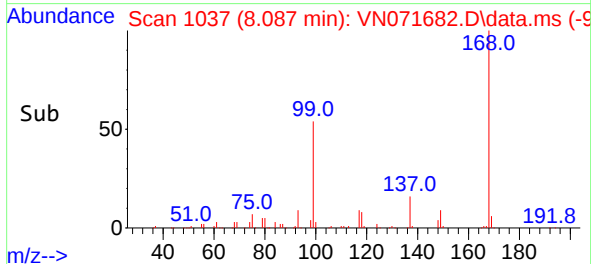
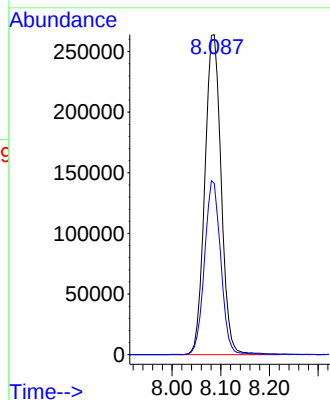
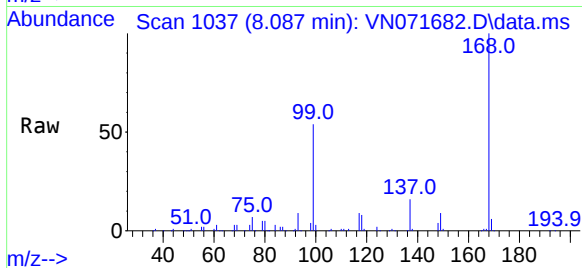




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

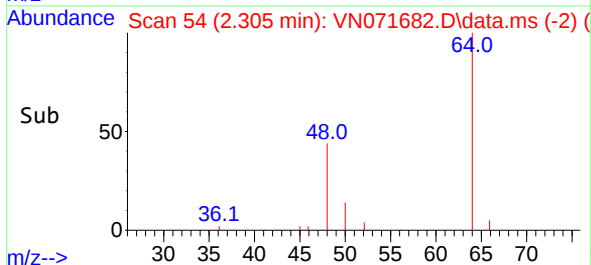
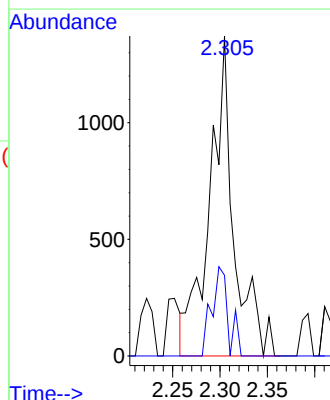
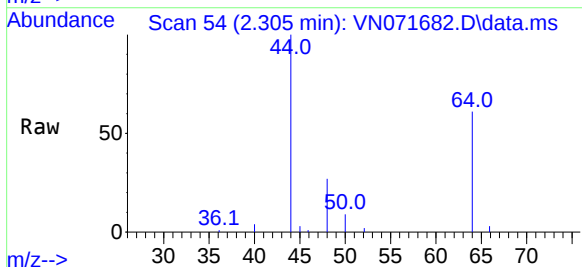
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

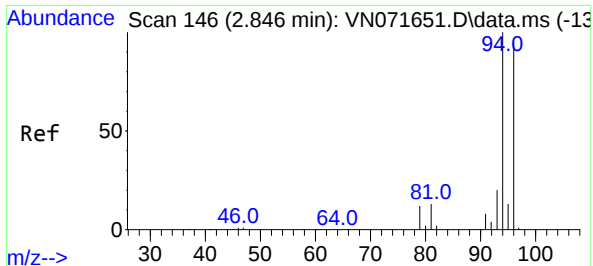
Tgt Ion:168 Resp: 614429
Ion Ratio Lower Upper
168 100
99 53.5 42.3 63.5



#3
Chloromethane
Concen: 0.395 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion: 50 Resp: 2445
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

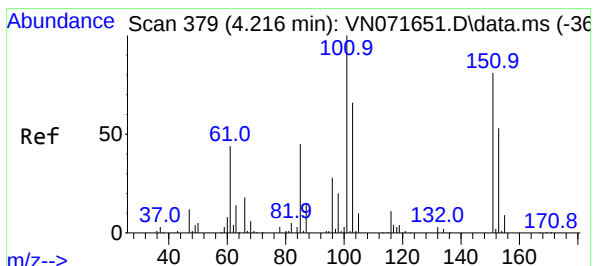
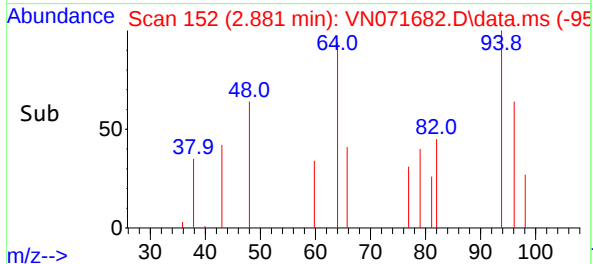
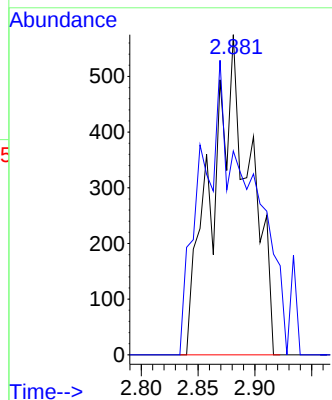
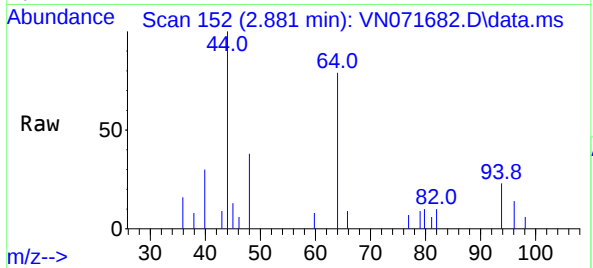




#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

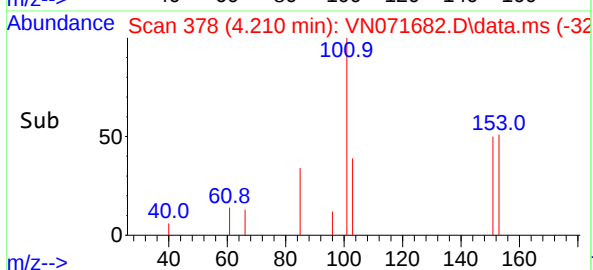
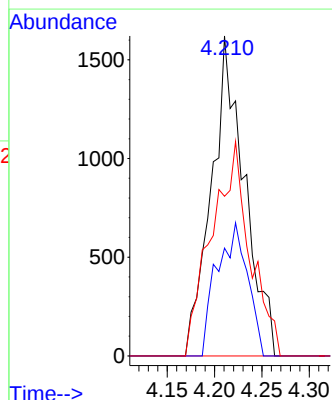
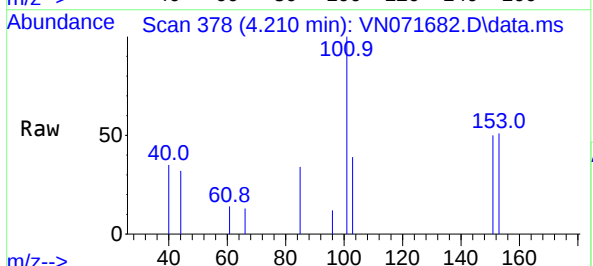
Instrument :
MSVOA_N
ClientSampleId :
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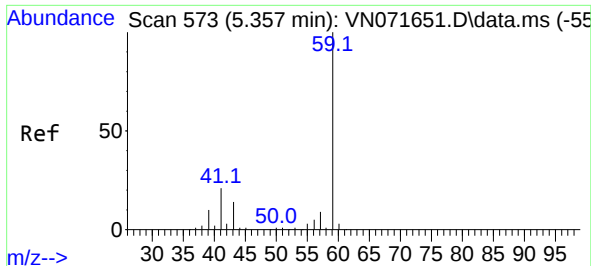
Tgt Ion: 94 Resp: 1353
Ion Ratio Lower Upper
94 100
96 63.7 76.0 114.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.738 ug/l
RT: 4.210 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion:101 Resp: 3935
Ion Ratio Lower Upper
101 100
85 38.3 34.7 52.1
151 77.7 63.0 94.4





#11

Tert butyl alcohol

Concen: 0.440 ug/l

RT: 5.346 min Scan# 5

Delta R.T. -0.011 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

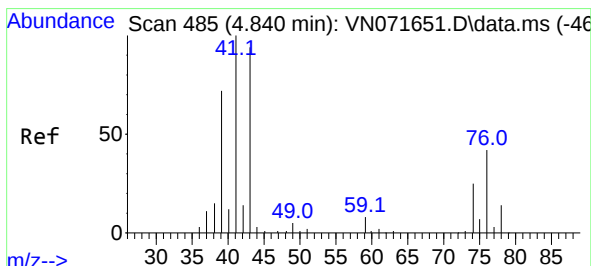
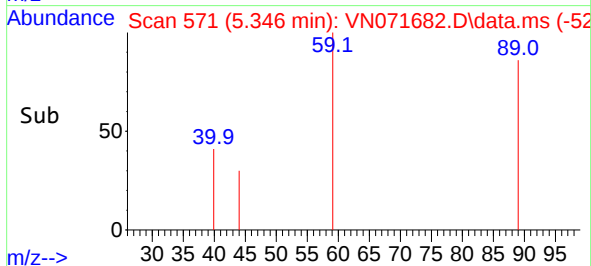
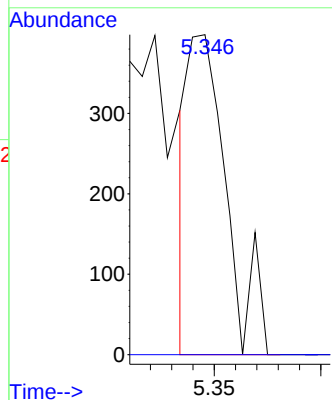
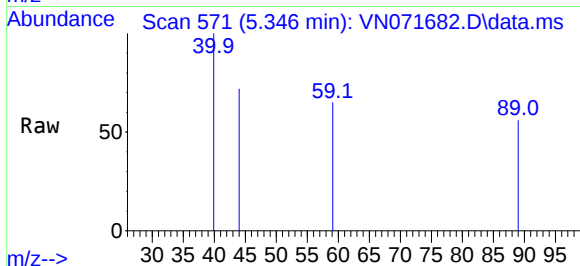
RE109D2-20220322

Tgt Ion: 59 Resp: 501

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 0.209 ug/l

RT: 4.563 min Scan# 438

Delta R.T. -0.277 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

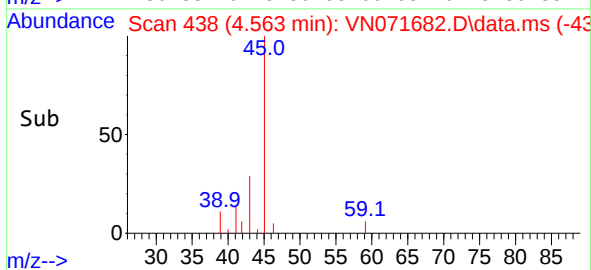
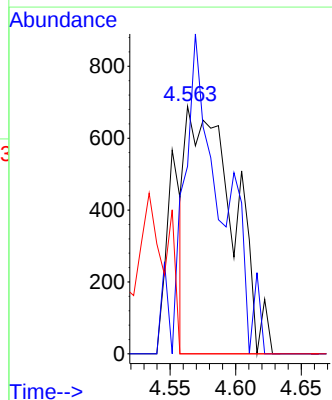
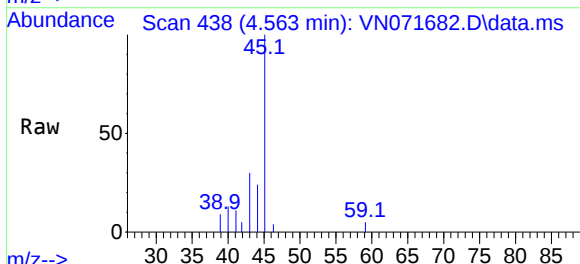
Tgt Ion: 41 Resp: 1722

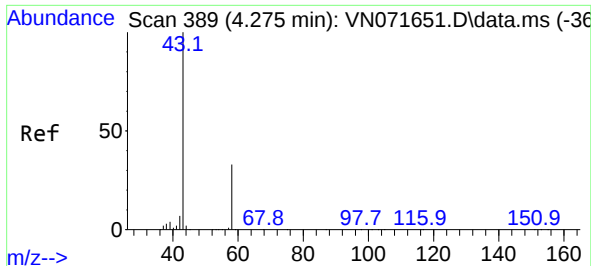
Ion Ratio Lower Upper

41 100

39 91.5 53.2 79.8#

76 0.0 29.9 44.9#

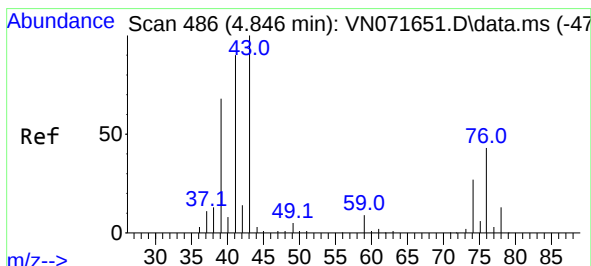
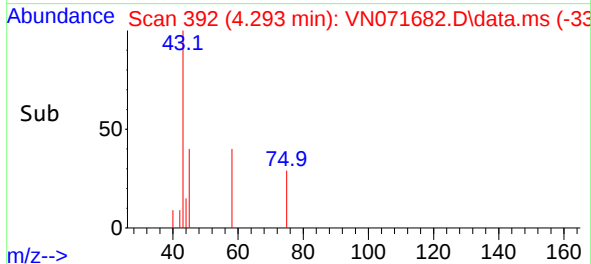
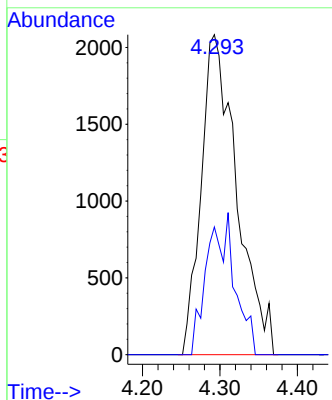
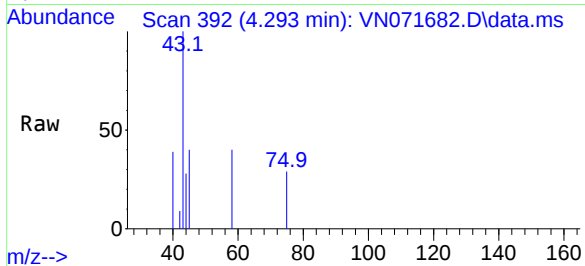




#16
Acetone
Concen: 2.223 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

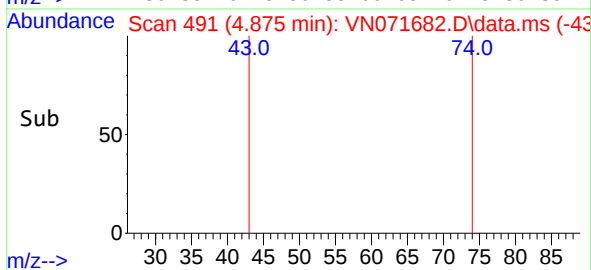
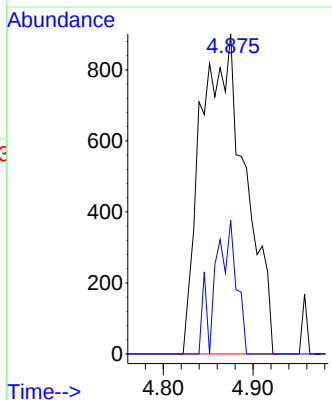
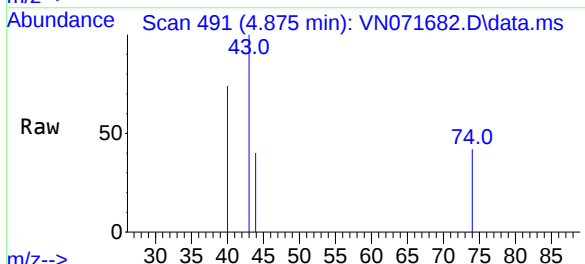
Instrument :
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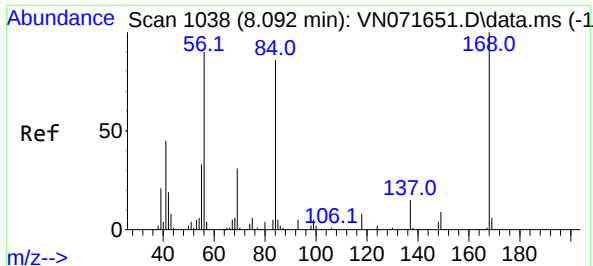
Tgt Ion: 43 Resp: 6664
Ion Ratio Lower Upper
43 100
58 39.9 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 491
Delta R.T. 0.029 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
74 20.2 21.6 32.4#

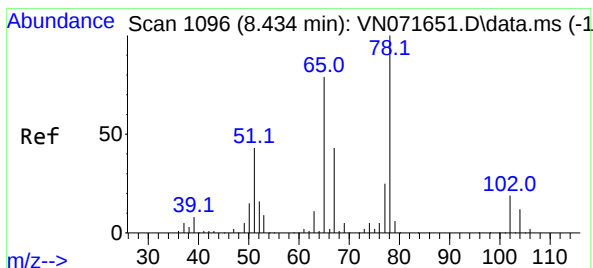
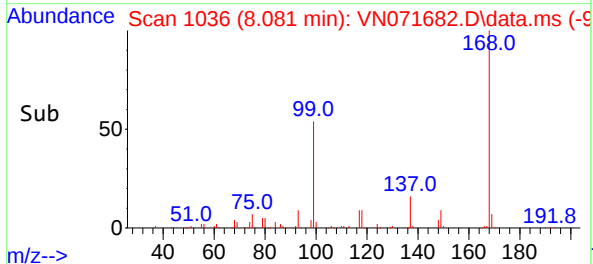
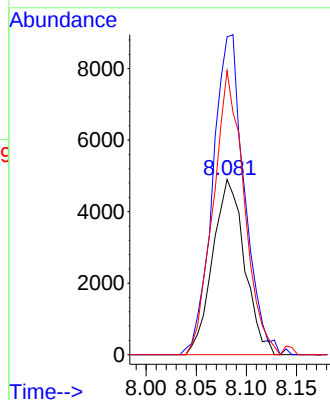
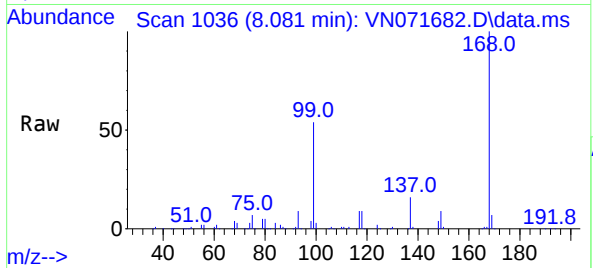




#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

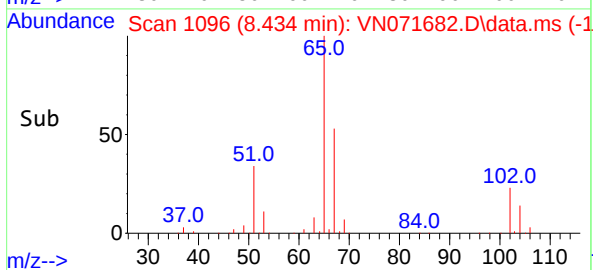
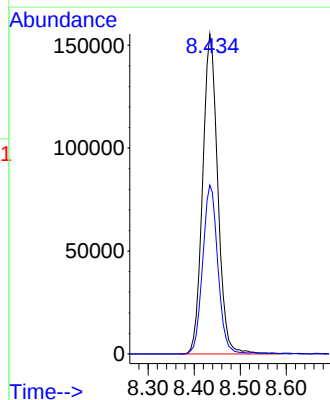
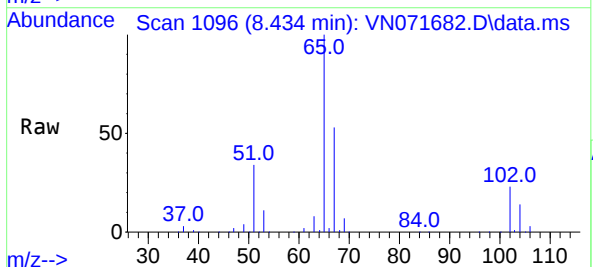
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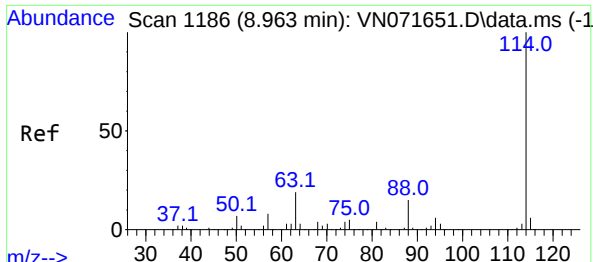
Tgt Ion: 56 Resp: 10858
Ion Ratio Lower Upper
56 100
69 181.3 27.8 41.8#
84 162.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.808 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion: 65 Resp: 356391
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8

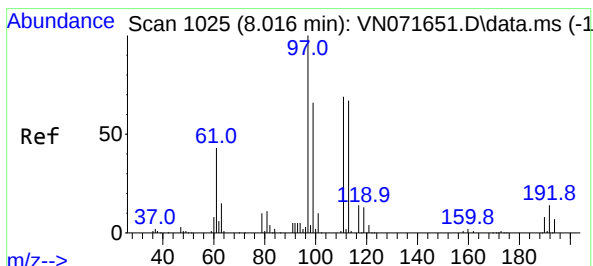
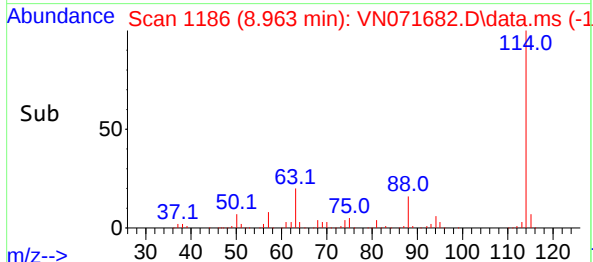
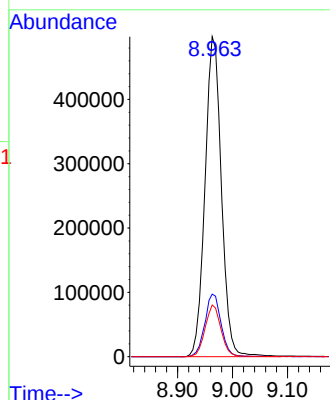
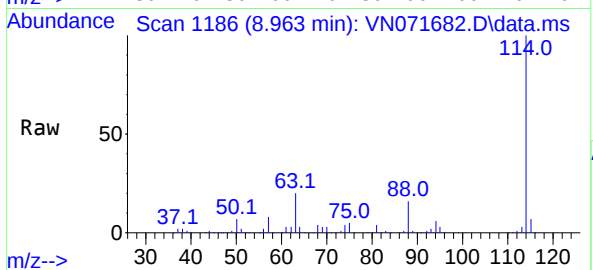




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

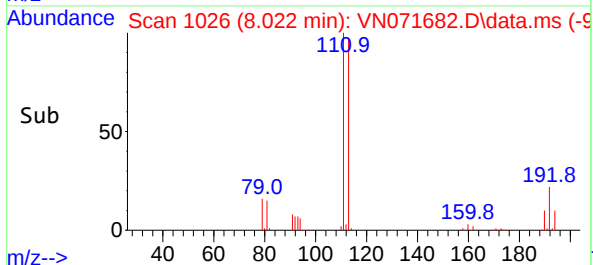
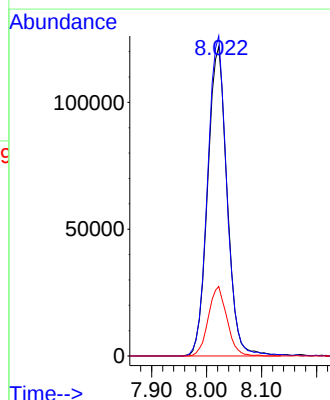
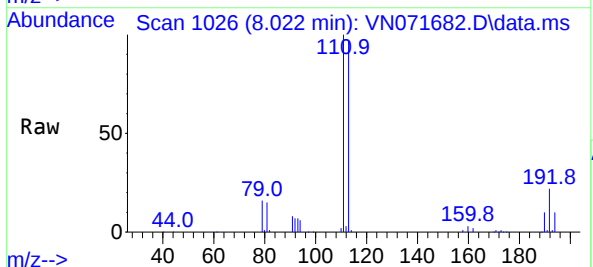
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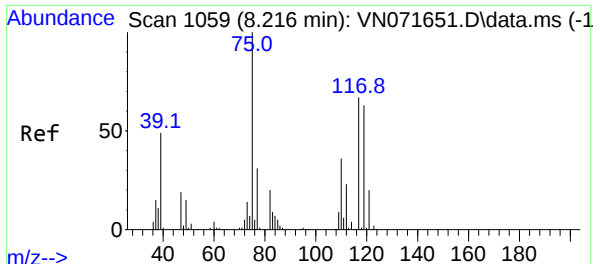
Tgt Ion:114 Resp: 1030480
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.0
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.369 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion:113 Resp: 299364
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 21.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 8.087 min Scan# 1056

Delta R.T. -0.129 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20220322

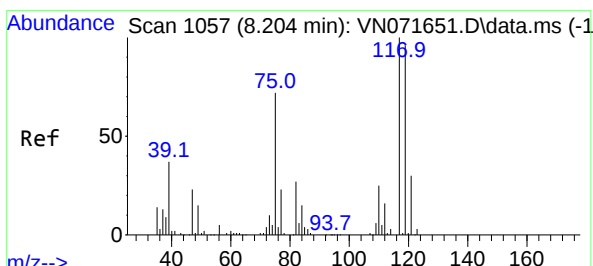
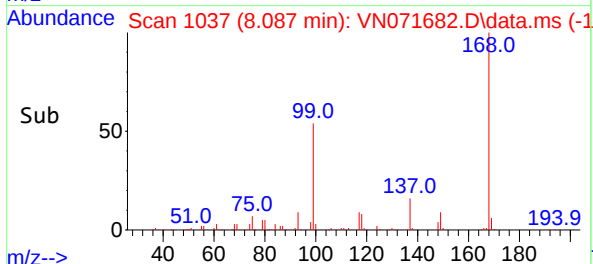
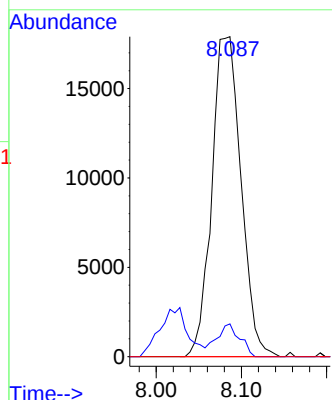
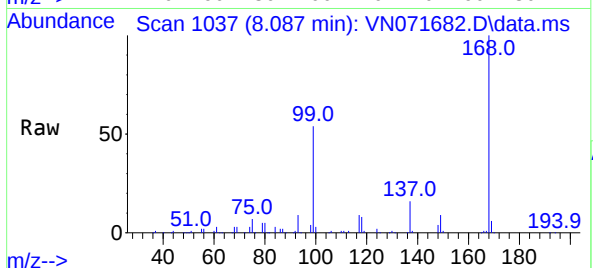
Tgt Ion: 75 Resp: 42705

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 0.211 ug/l

RT: 8.198 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

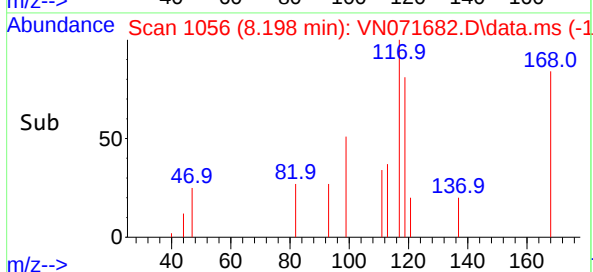
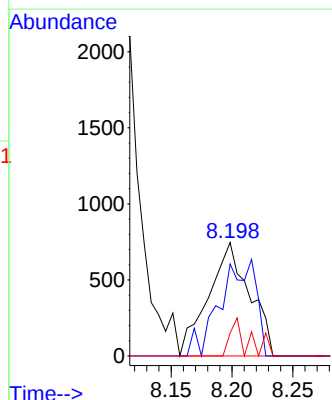
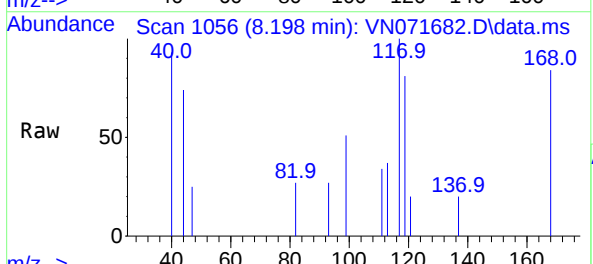
Tgt Ion: 117 Resp: 1749

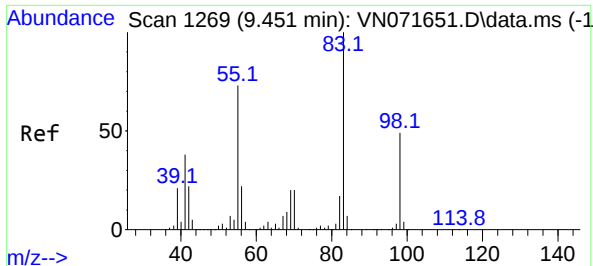
Ion Ratio Lower Upper

117 100

119 81.1 75.8 113.8

121 20.2 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.201 ug/l

RT: 9.216 min Scan# 1124

Delta R.T. -0.235 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20220322

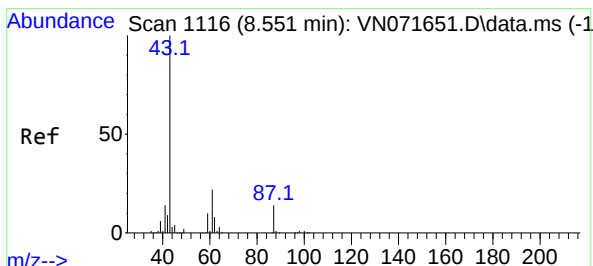
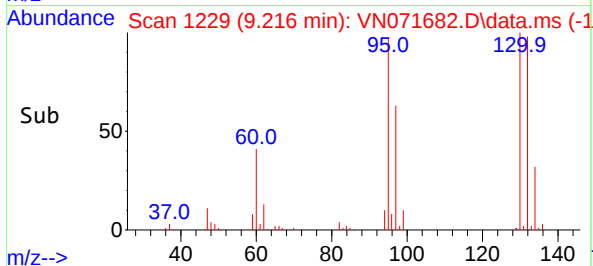
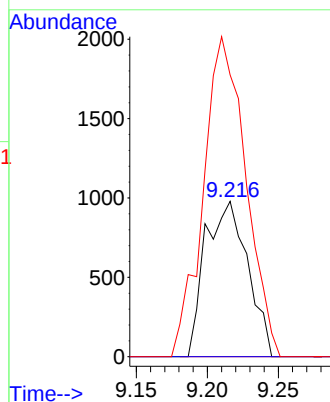
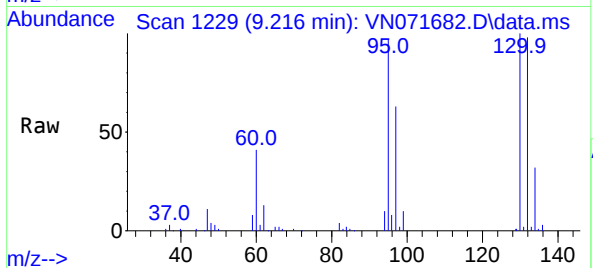
Tgt Ion: 83 Resp: 2026

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 181.3 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.214 ug/l

RT: 8.598 min Scan# 1124

Delta R.T. 0.047 min

Lab File: VN071682.D

Acq: 31 Mar 2022 01:20

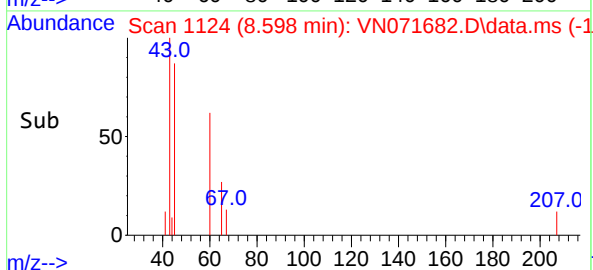
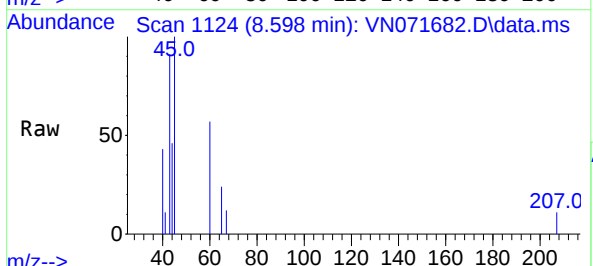
Tgt Ion: 43 Resp: 3306

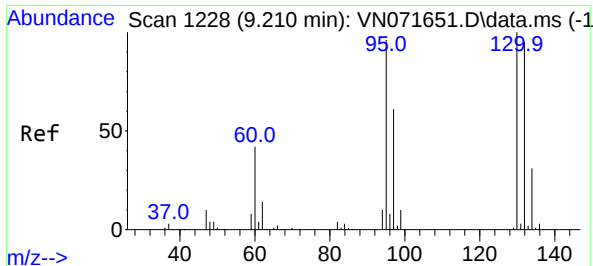
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

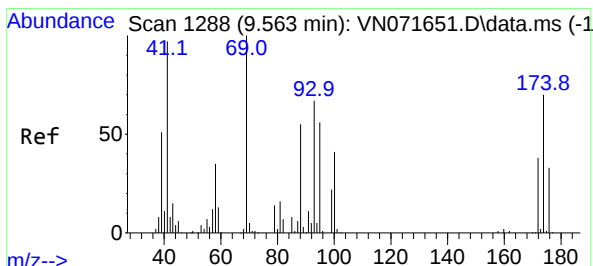
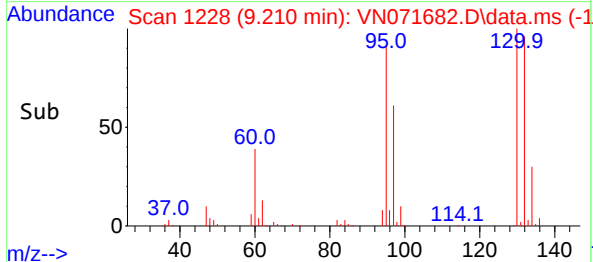
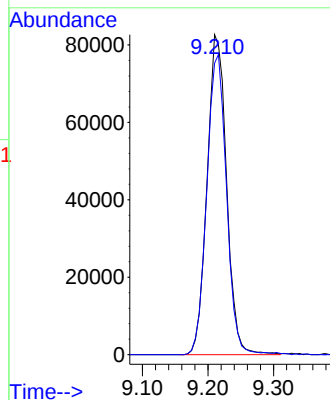
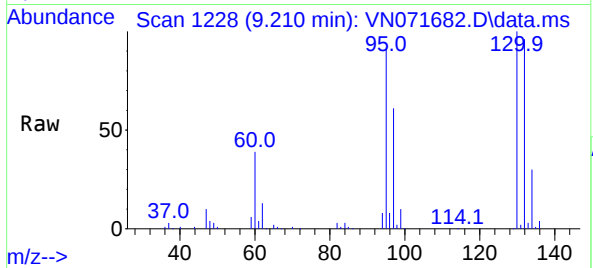




#44
Trichloroethene
Concen: 24.821 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

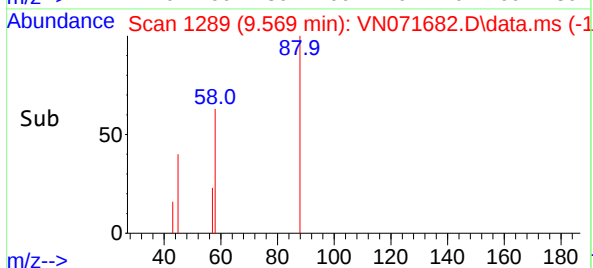
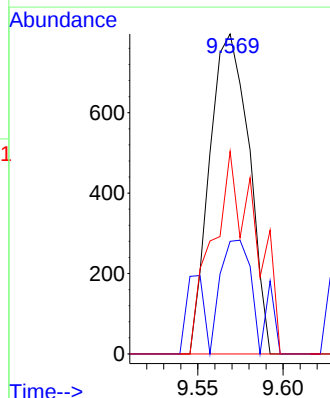
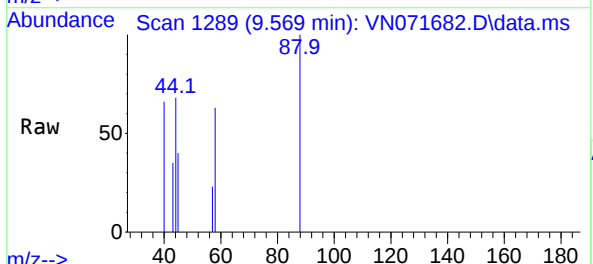
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

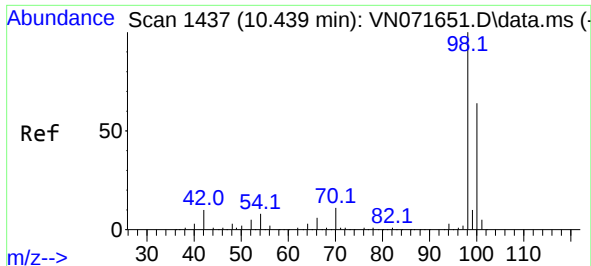
Tgt Ion:130 Resp: 171056
Ion Ratio Lower Upper
130 100
95 91.1 0.0 186.8



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion: 88 Resp: 1280
Ion Ratio Lower Upper
88 100
43 32.0 20.2 30.4#
58 69.4 54.2 81.4

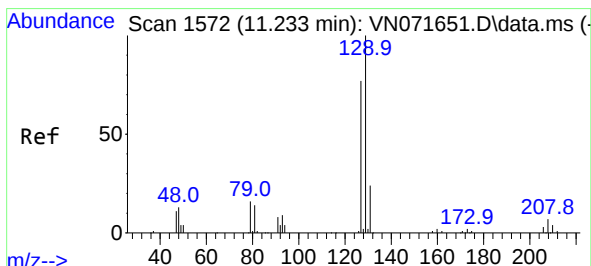
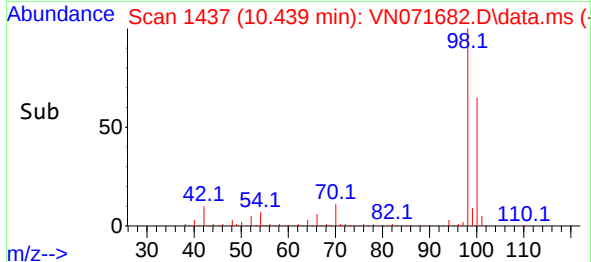
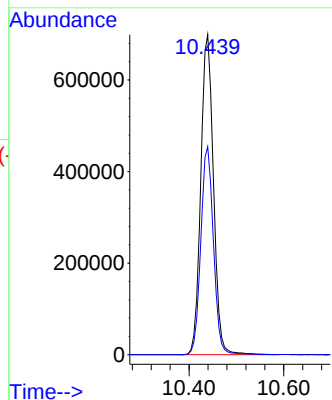
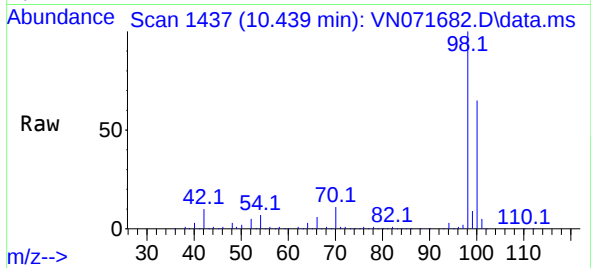




#50
Toluene-d8
Concen: 52.458 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

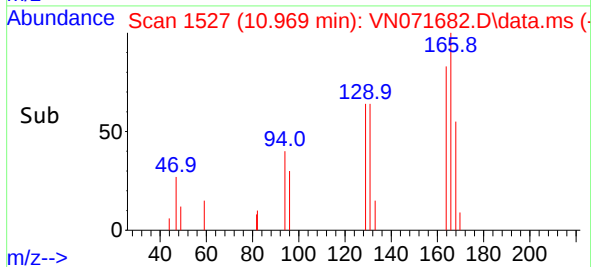
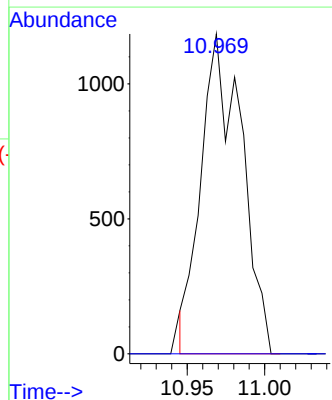
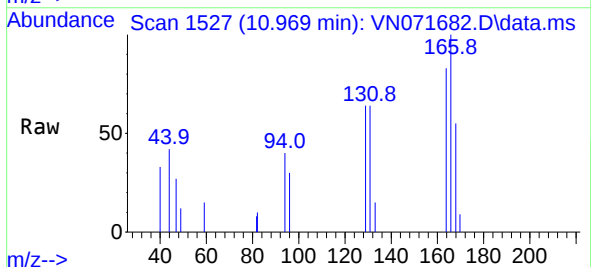
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

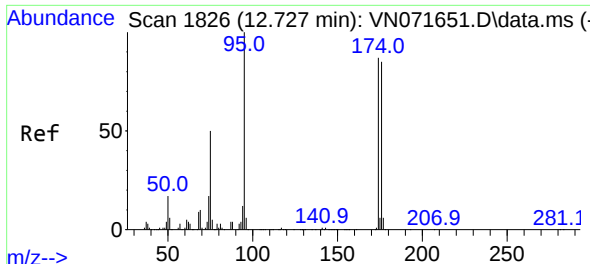
Tgt Ion: 98 Resp: 1301239
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#60
Dibromochloromethane
Concen: 0.318 ug/l
RT: 10.969 min Scan# 1527
Delta R.T. -0.264 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion:129 Resp: 2156
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

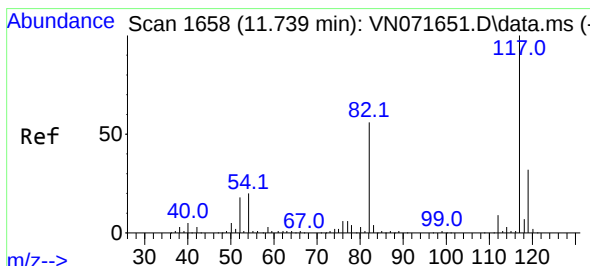
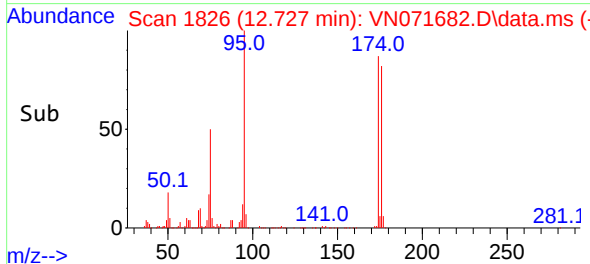
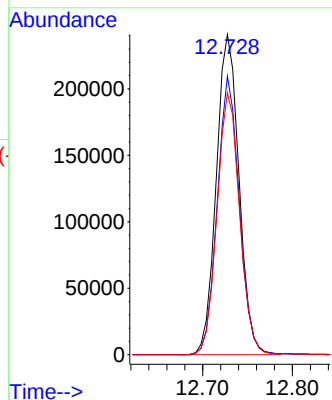
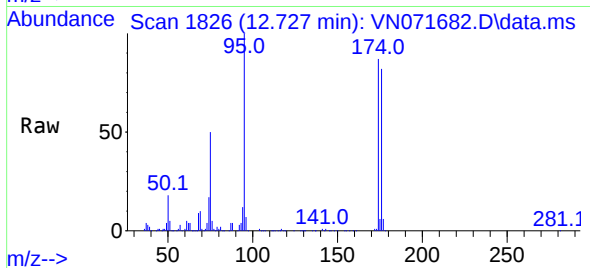




#62
4-Bromofluorobenzene
Concen: 52.734 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

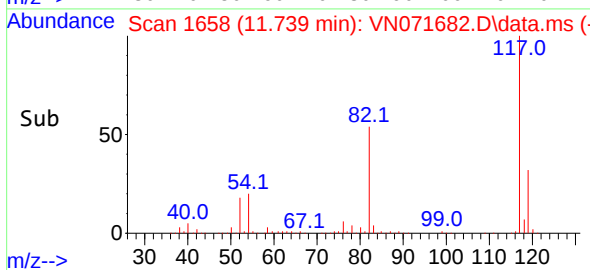
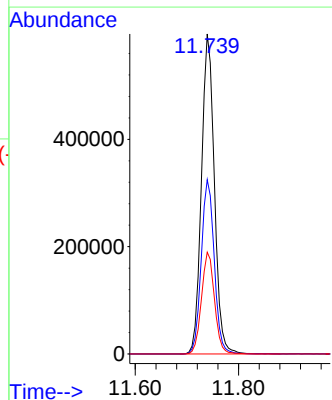
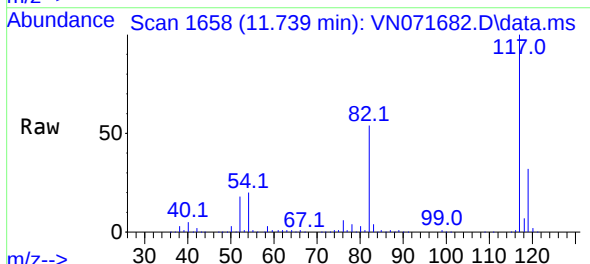
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

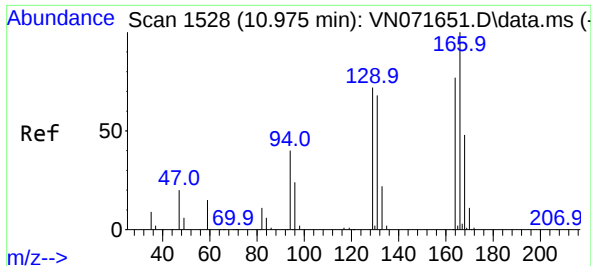
Tgt Ion: 95 Resp: 423058
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 81.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

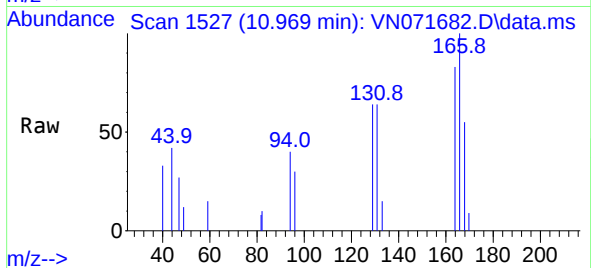
Tgt Ion: 117 Resp: 1035679
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 31.8 25.4 38.0





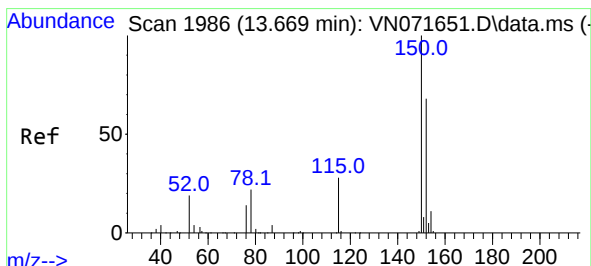
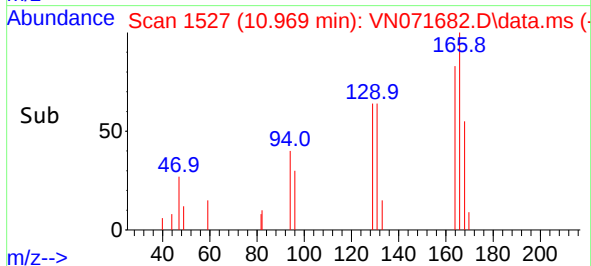
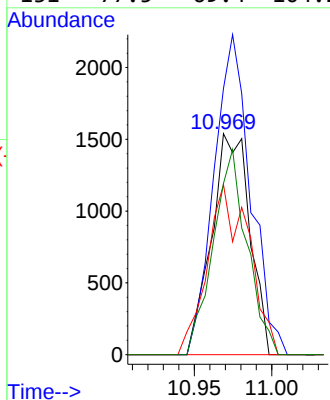
#64
Tetrachloroethene
Concen: 0.385 ug/l
RT: 10.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322



Tgt Ion:164 Resp: 2636

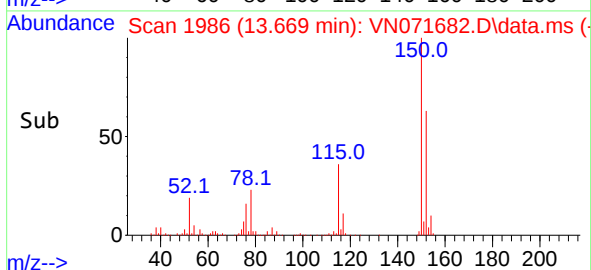
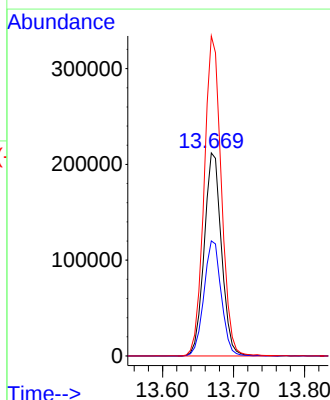
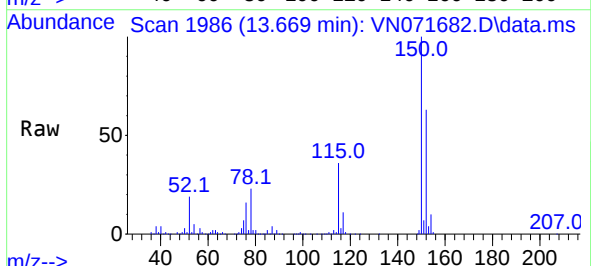
Ion	Ratio	Lower	Upper
164	100		
166	120.5	104.2	156.2
129	77.0	73.9	110.9
131	77.5	69.4	104.2

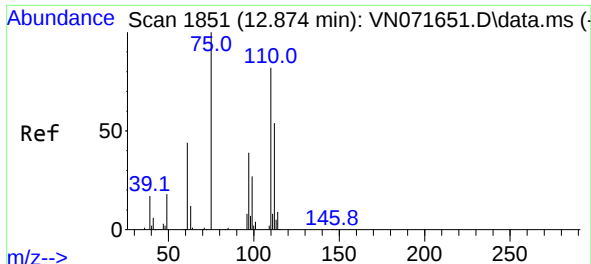


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion:152 Resp: 358579

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.9	86.7
150	156.9	0.0	356.2

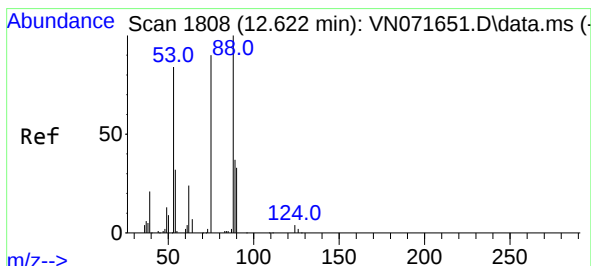
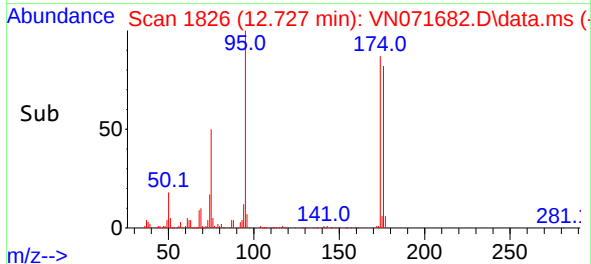
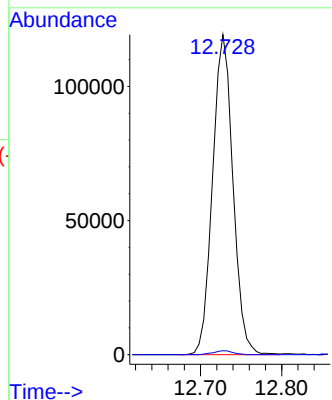
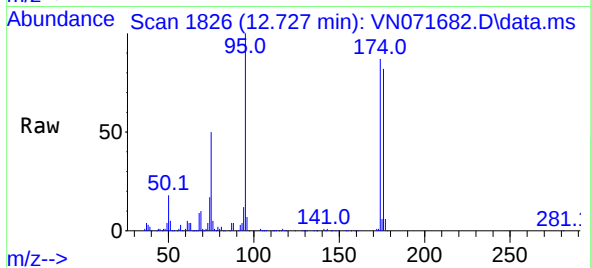




#76
1,2,3-Trichloropropane
Concen: 25.036 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

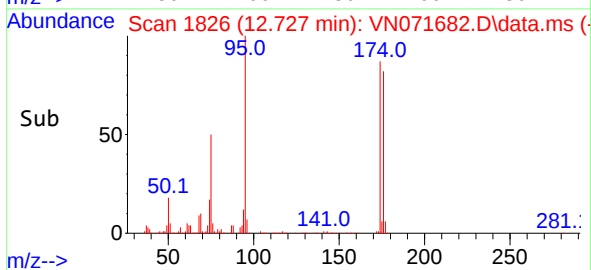
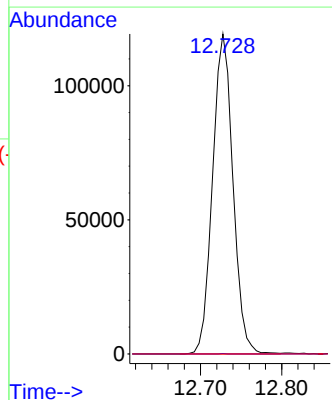
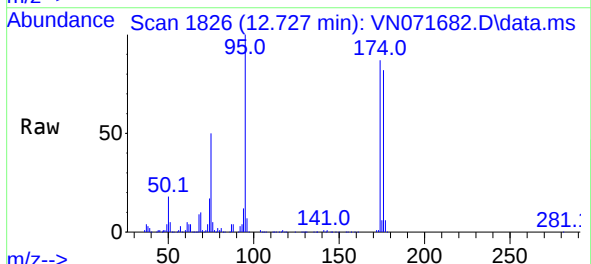
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

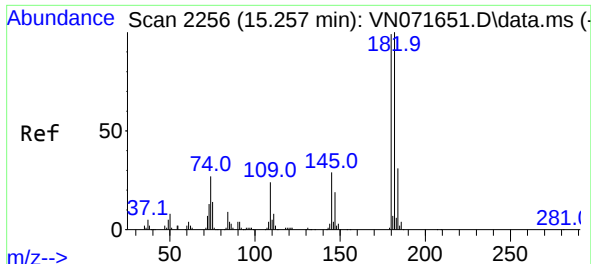
Tgt Ion: 75 Resp: 207969
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.586 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion: 75 Resp: 207969
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

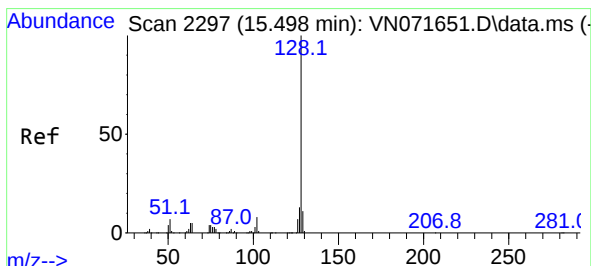
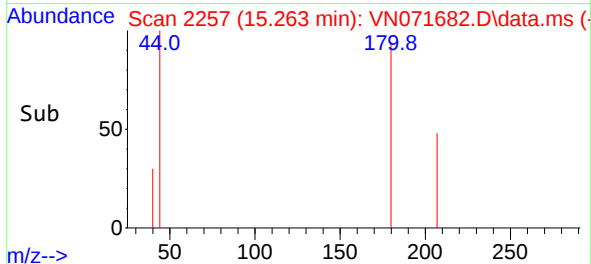
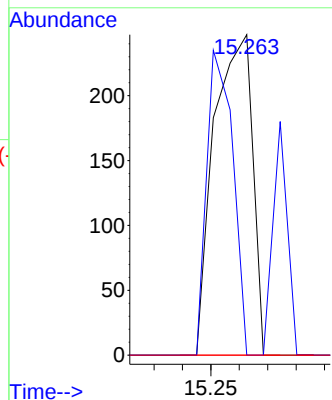
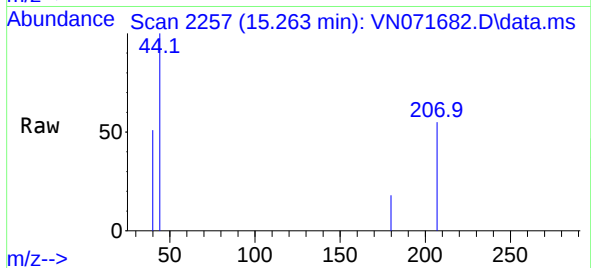




#93
1,2,4-Trichlorobenzene
Concen: 2.125 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

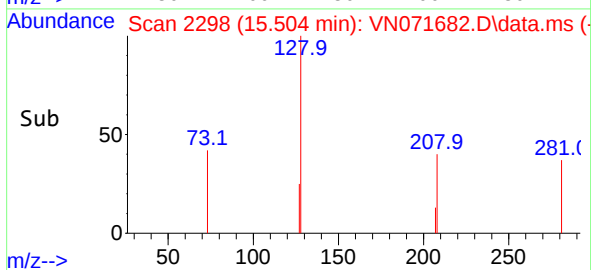
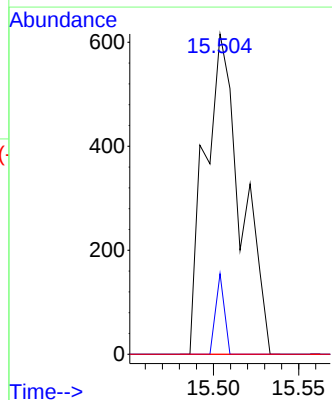
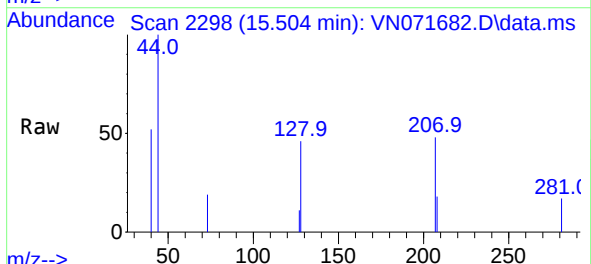
Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20220322

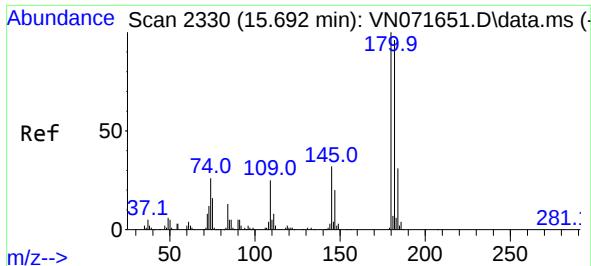
Tgt Ion:180 Resp: 231
Ion Ratio Lower Upper
180 100
182 27.7 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.854 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071682.D
Acq: 31 Mar 2022 01:20

Tgt Ion:128 Resp: 910
Ion Ratio Lower Upper
128 100
127 6.0 10.3 15.5#
129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 2.433 ug/l

RT: 15.692 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN071682.D

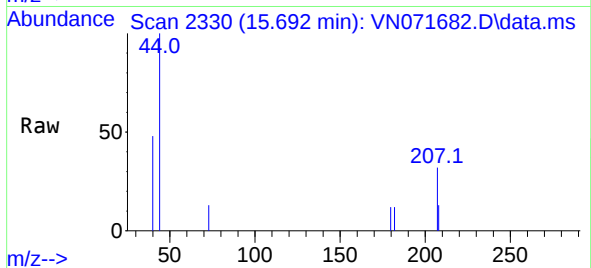
Acq: 31 Mar 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 111

Ion Ratio Lower Upper

180 100

182 216.2 47.8 143.3#

145 0.0 15.5 46.5#

