

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066677.D
 Acq On : 20 Apr 2021 12:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 10:06:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.114	128	49052	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	257510	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.351	117	214627	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.956	65	107353	30.37	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.23%
60) 4-Bromofluorobenzene	12.349	95	78975	23.48	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.27%
63) Toluene-d8	10.029	98	314028	31.80	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.00%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.835	85	731	0.30	ug/l	97
3) Chloromethane	2.037	50	2095	0.56	ug/l	94
4) Vinyl Chloride	2.160	62	818	0.23	ug/l #	88
5) Bromomethane	2.527	94	1320	0.63	ug/l #	72
7) Trichlorofluoromethane	2.978	101	900	0.23	ug/l #	83
10) 1,1-Dichloroethene	3.678	96	560	0.22	ug/l #	75
12) Methyl Acetate	4.265	43	3044	0.88	ug/l #	88
13) Acrolein	3.544	56	843	1.72	ug/l #	56
14) Acrylonitrile	4.912	53	1902	1.25	ug/l	65
15) Acetone	3.753	58	345	0.86	ug/l #	13
16) Carbon Disulfide	3.986	76	10252	1.30	ug/l	96
18) Methylene Chloride	4.466	84	1146	0.35	ug/l	92
22) cis-1,2-Dichloroethene	6.749	96	731	0.22	ug/l #	9
23) tert-Butyl Alcohol	4.705	59	152	0.29	ug/l #	100
30) 2-Butanone	6.754	43	923	0.47	ug/l #	82
37) Trichloroethene	8.771	130	1392	0.45	ug/l	91
38) Methylcyclohexane	9.015	83	1353	0.28	ug/l	95
40) Dibromomethane	9.149	93	738	0.35	ug/l	82
45) 1,4-Dioxane	9.138	88	285	5.46	ug/l #	73
46) Methyl methacrylate	9.146	41	940	0.29	ug/l	93
47) n-amyl Acetate	12.046	43	84	19.45	ug/l #	54
50) 1,1,2-Trichloroethane	10.498	97	835	0.27	ug/l	85
51) Ethyl methacrylate	10.377	69	1274	0.29	ug/l	93
52) 1,3-Dichloropropane	10.648	76	1072	0.20	ug/l	81
54) 1,2-Dibromoethane	10.951	107	658	0.21	ug/l	95
55) 2-Chloroethyl vinyl ether	9.648	63	892	1.31	ug/l #	45
56) Bromoform	12.081	173	899	0.37	ug/l #	76
58) 4-Methyl-2-Pentanone	9.927	43	10044	2.75	ug/l	94
59) 2-Hexanone	10.707	43	8901	3.79	ug/l #	55
61) Tetrachloroethene	10.568	164	1424	0.60	ug/l	94
62) Toluene	10.096	91	3903	0.32	ug/l	93
64) Chlorobenzene	11.378	112	4014	0.55	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.450	131	611	0.22	ug/l	68
66) Ethyl Benzene	11.458	91	5313	0.41	ug/l	96
67) m/p-Xylenes	11.898	106	1779	0.36	ug/l	83
68) o-Xylene	11.898	106	1779	0.38	ug/l	89
69) Styrene	11.933	104	3513	0.46	ug/l #	50
70) Isopropylbenzene	12.199	105	5487	0.44	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.461	83	3652	0.89	ug/l #	96

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

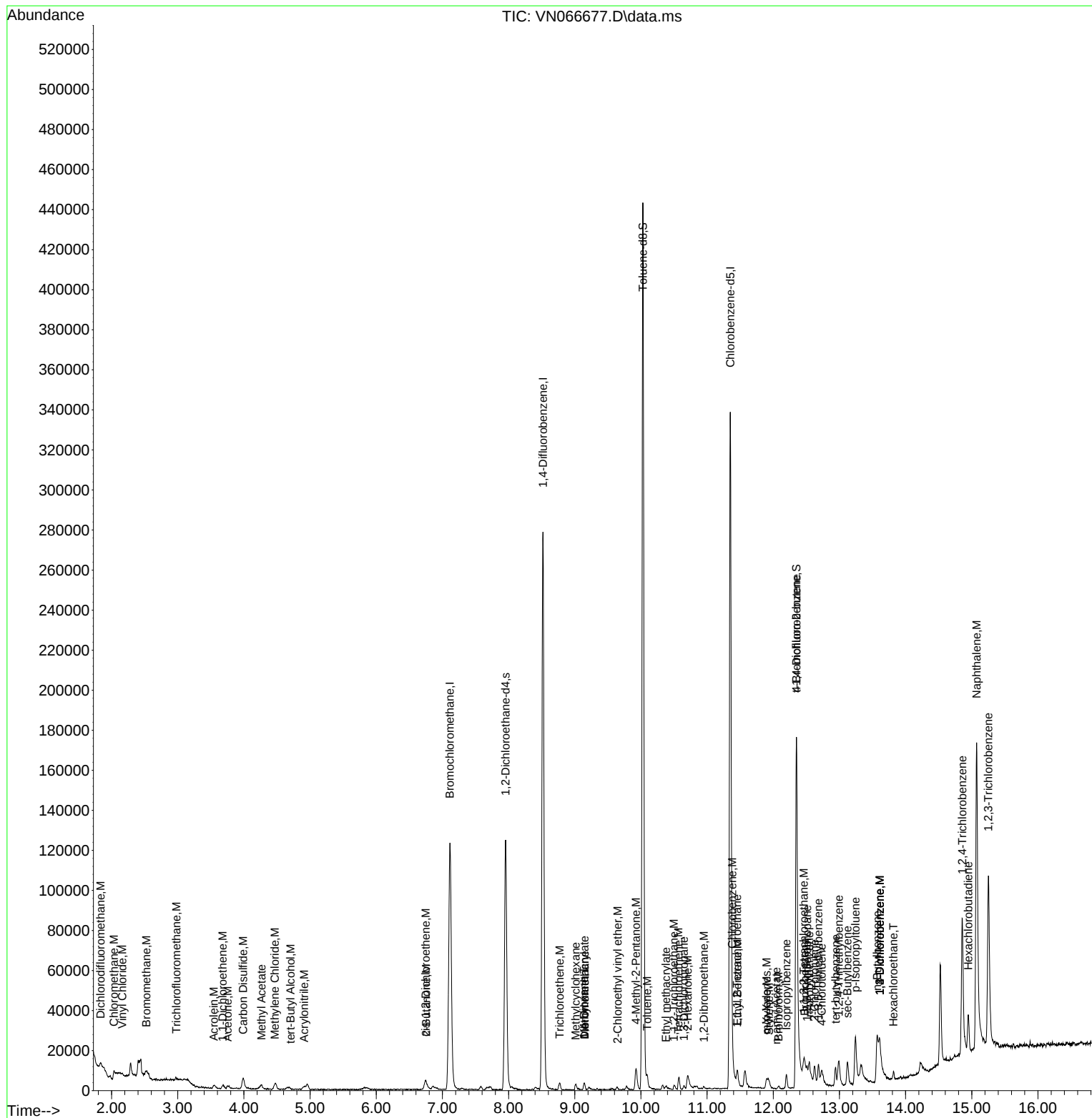
72) 1,2,3-Trichloropropane	12.510	75	2803	0.79	ug/l	1
73) Bromobenzene	12.475	156	2685	0.86	ug/l	99
74) n-propylbenzene	12.545	91	10352	0.72	ug/l	81
75) 2-Chlorotoluene	12.622	91	4875	0.57	ug/l	91
76) 1,3,5-Trimethylbenzene	12.681	105	6307	0.60	ug/l	98
77) t-1,4-Dichloro-2-butene	12.349	75	37832	33.67	ug/l #	10
78) 4-Chlorotoluene	12.732	91	4922	0.58	ug/l	77
79) tert-butylbenzene	12.944	119	5869	0.67	ug/l	86
80) 1,2,4-Trimethylbenzene	12.992	105	8424	0.84	ug/l	96
81) sec-Butylbenzene	13.121	105	10329	0.89	ug/l	98
82) p-Isopropyltoluene	13.242	119	13155	1.32	ug/l	99
83) 1,3-Dichlorobenzene	13.609	146	9049	1.74	ug/l	94
84) 1,4-Dichlorobenzene	13.609	146	9049	1.80	ug/l	93
85) n-Butylbenzene	13.572	91	28529	3.44	ug/l	89
86) Hexachloroethane	13.816	117	942	0.45	ug/l	78
87) 1,2-Dichlorobenzene	13.609	146	9049	1.77	ug/l	94
89) 1,2,4-Trichlorobenzene	14.856	180	26665	9.03	ug/l	96
90) Hexachlorobutadiene	14.948	225	3801	2.30	ug/l	99
91) Naphthalene	15.074	128	165194	23.28	ug/l	99
92) 1,2,3-Trichlorobenzene	15.251	180	35016	12.55	ug/l	99

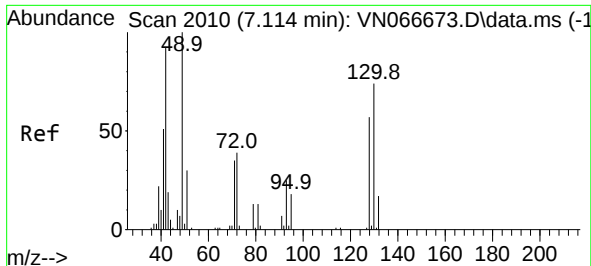
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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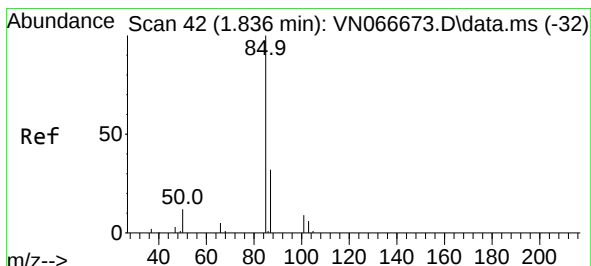
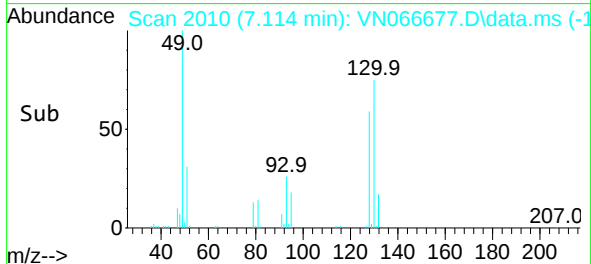
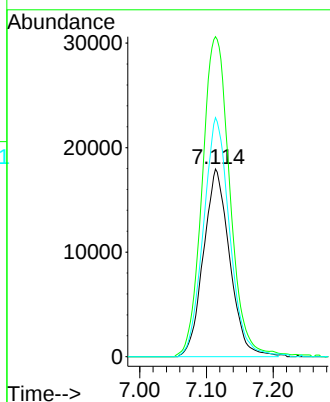
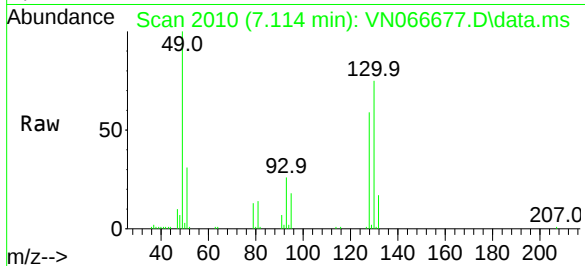




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.114 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

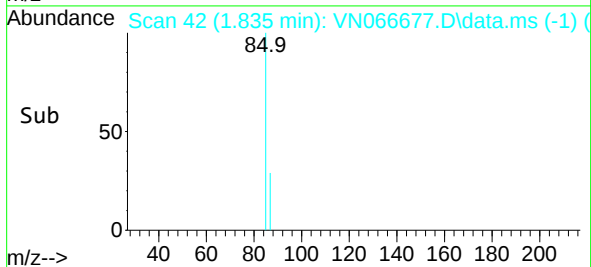
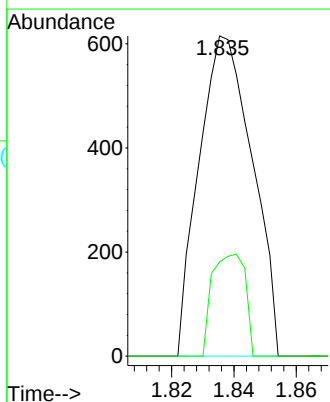
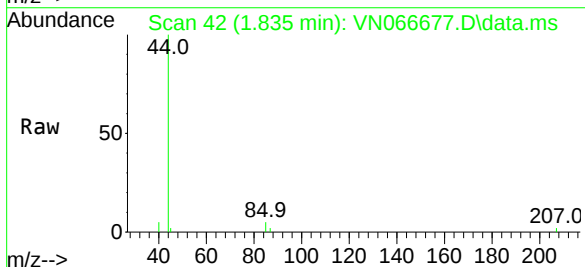
Instrument :
MSVOA_N
ClientSampleId :

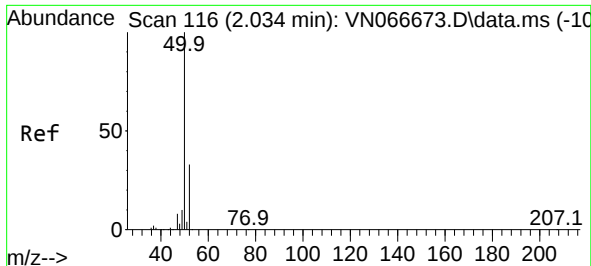
Tgt Ion:128 Resp: 49052
Ion Ratio Lower Upper
128 100
49 178.4 0.0 429.3
130 127.7 0.0 328.5



#2
Dichlorodifluoromethane
Concen: 0.30 ug/l
RT: 1.835 min Scan# 42
Delta R.T. -0.001 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

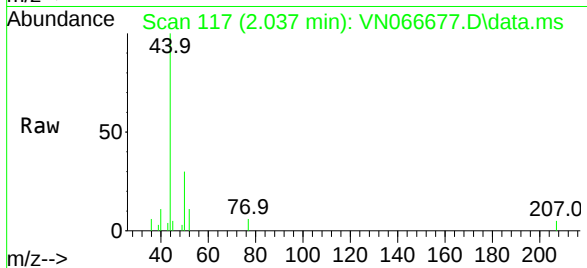
Tgt Ion: 85 Resp: 731
Ion Ratio Lower Upper
85 100
87 29.4 15.4 46.4



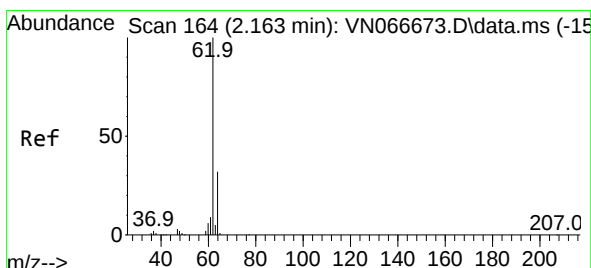
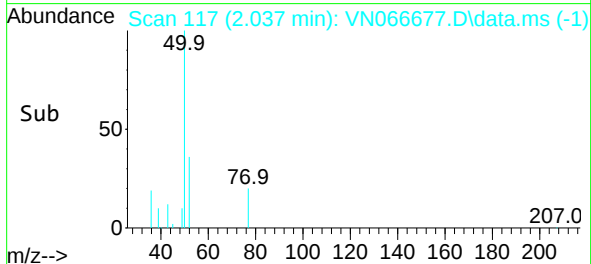
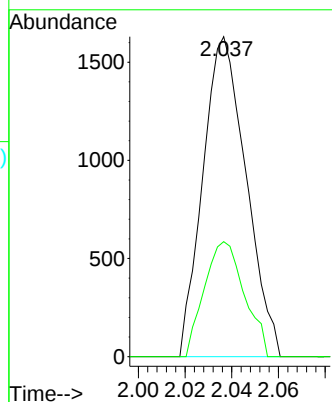


#3
Chloromethane
Concen: 0.56 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Instrument :
MSVOA_N
ClientSampled :

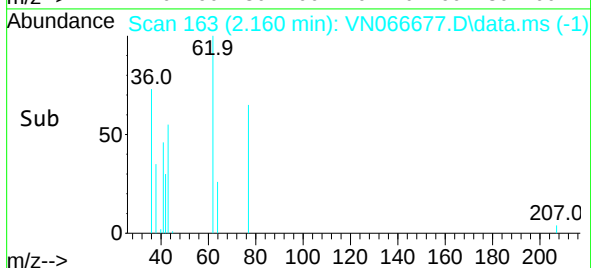
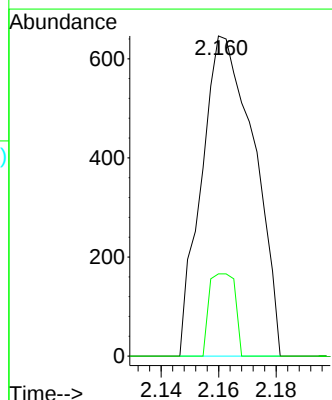
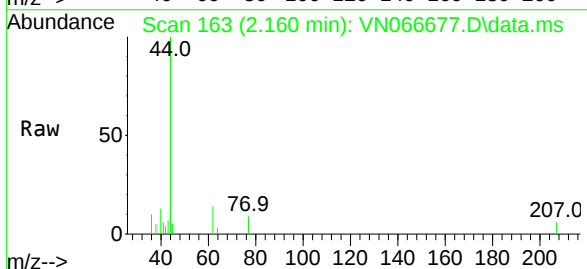


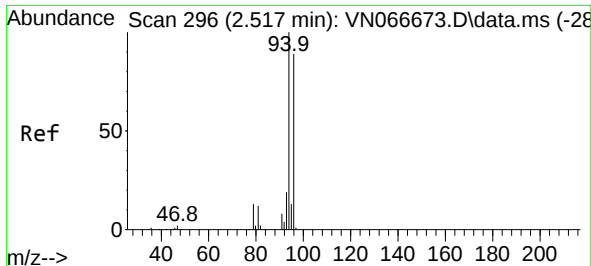
Tgt Ion: 50 Resp: 2095
Ion Ratio Lower Upper
50 100
52 36.0 26.2 39.4



#4
Vinyl Chloride
Concen: 0.23 ug/l
RT: 2.160 min Scan# 163
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 62 Resp: 818
Ion Ratio Lower Upper
62 100
64 25.7 25.8 38.6#

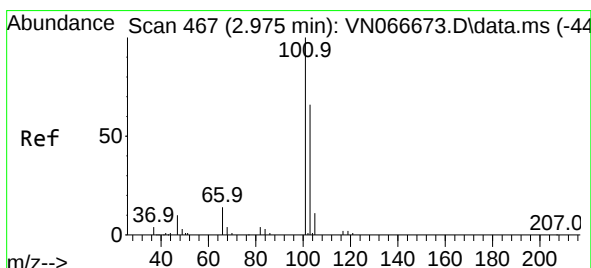
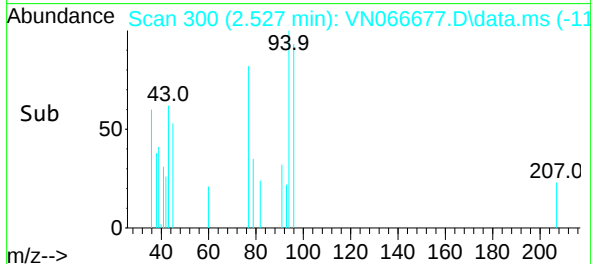
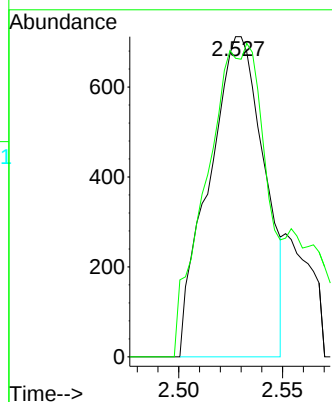
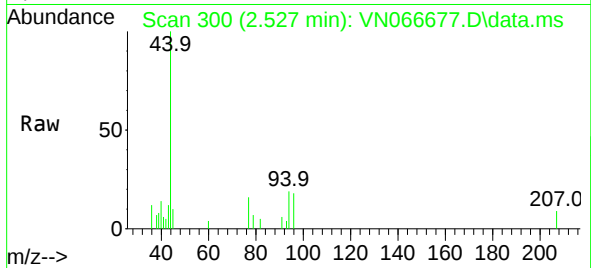




#5
Bromomethane
Concen: 0.63 ug/l
RT: 2.527 min Scan# 300
Delta R.T. 0.010 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

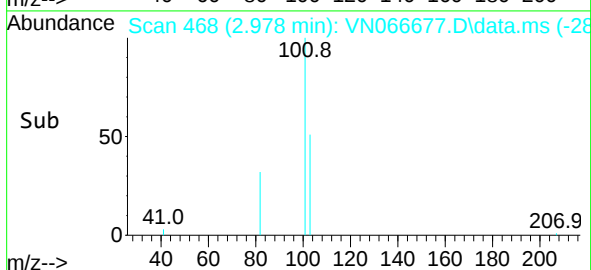
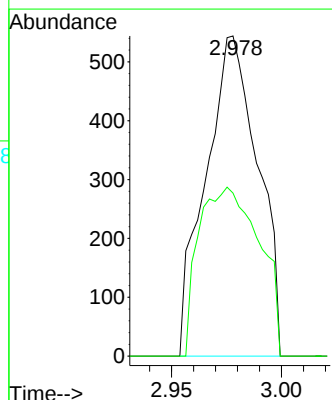
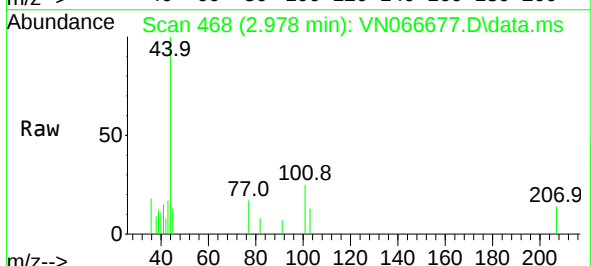
Instrument :
MSVOA_N
ClientSampleId :

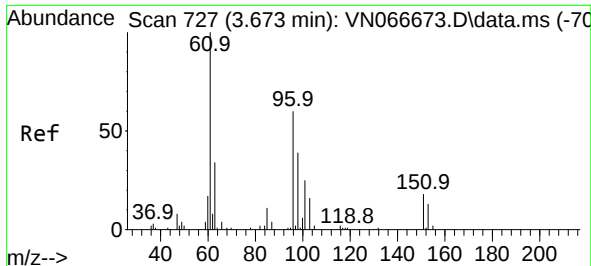
Tgt Ion: 94 Resp: 1320
Ion Ratio Lower Upper
94 100
96 69.2 77.8 116.8#



#7
Trichlorofluoromethane
Concen: 0.23 ug/l
RT: 2.978 min Scan# 468
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:101 Resp: 900
Ion Ratio Lower Upper
101 100
103 50.9 51.6 77.4#





#10

1,1-Dichloroethene

Concen: 0.22 ug/l

RT: 3.678 min Scan# 729

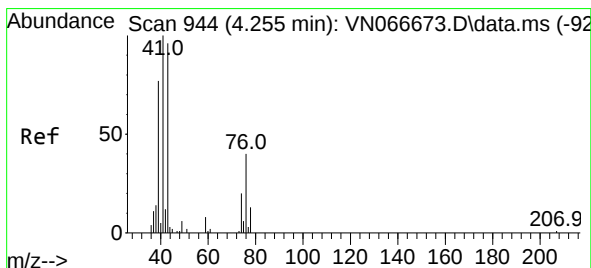
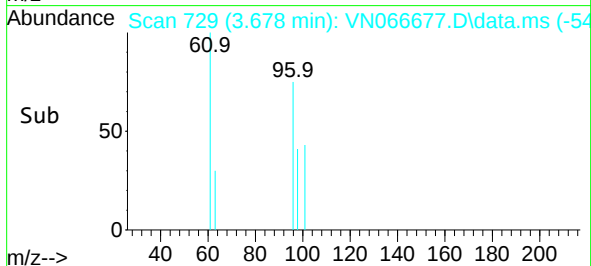
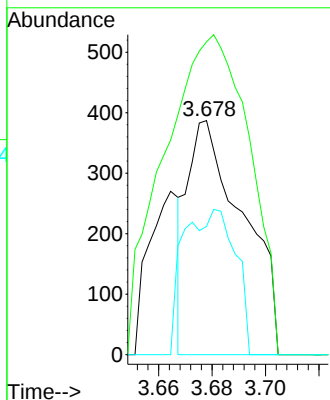
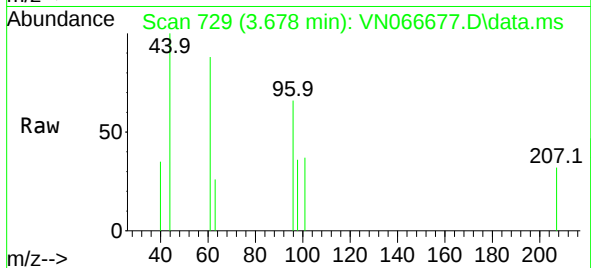
Delta R.T. 0.005 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion:	96	Resp:	560
Ion	Ratio	Lower	Upper
96	100		
61	133.6	139.6	209.4#
98	54.8	53.7	80.5

Instrument :
MSVOA_N
ClientSampleId :



#12

Methyl Acetate

Concen: 0.88 ug/l

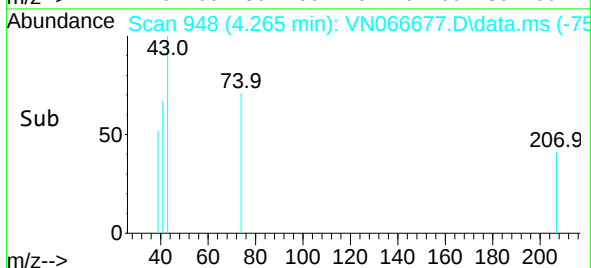
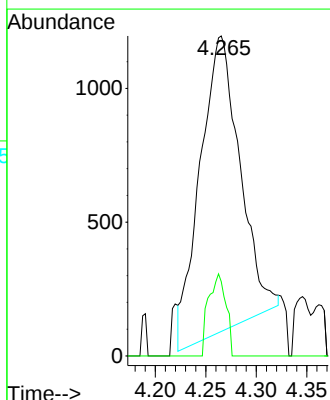
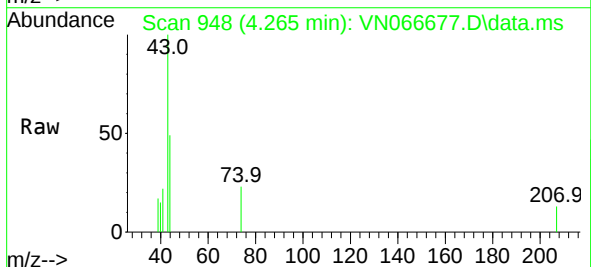
RT: 4.265 min Scan# 948

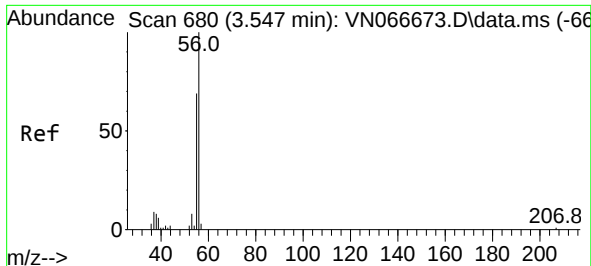
Delta R.T. 0.010 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion:	43	Resp:	3044
Ion	Ratio	Lower	Upper
43	100		
74	28.1	18.0	27.0#

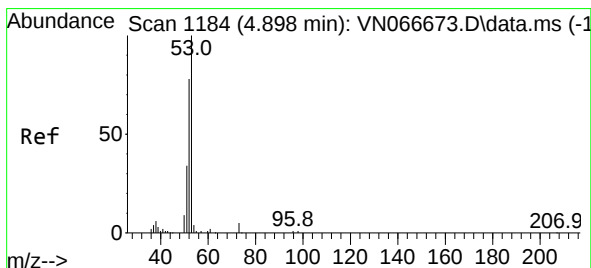
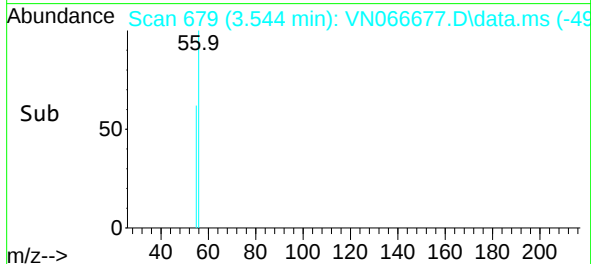
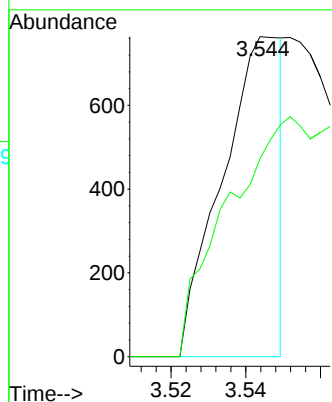
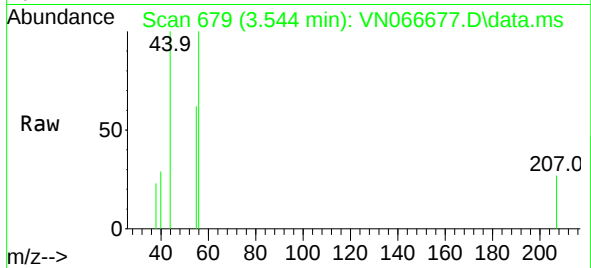




#13
Acrolein
Concen: 1.72 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

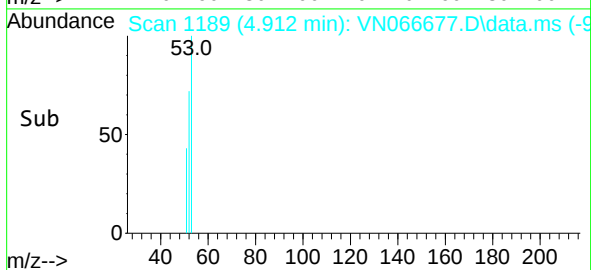
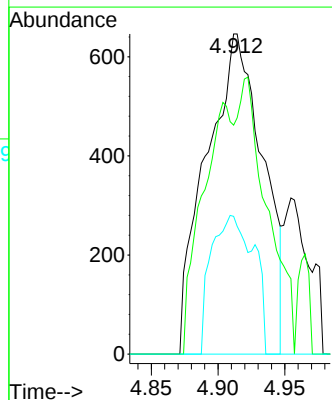
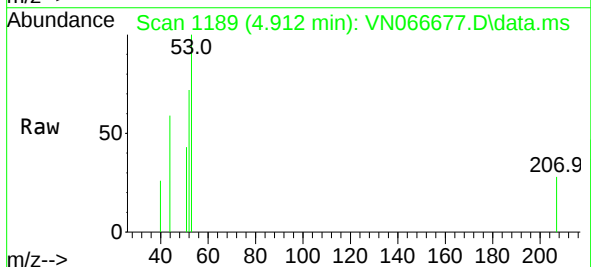
Instrument :
MSVOA_N
ClientSampled :

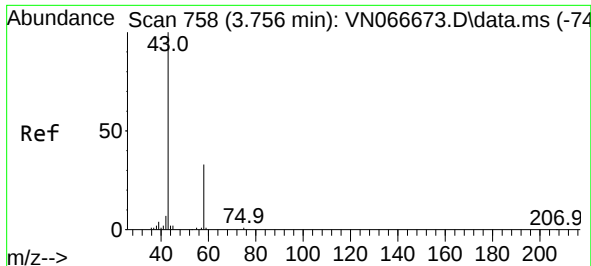
Tgt Ion: 56 Resp: 843
Ion Ratio Lower Upper
56 100
55 102.7 54.1 81.1#



#14
Acrylonitrile
Concen: 1.25 ug/l
RT: 4.912 min Scan# 1189
Delta R.T. 0.014 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

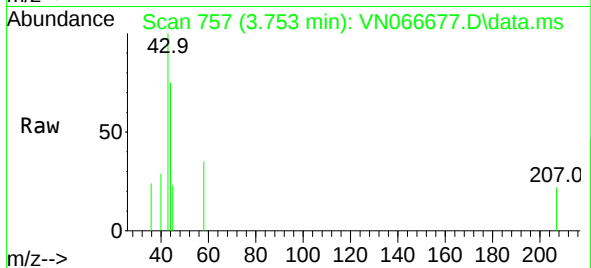
Tgt Ion: 53 Resp: 1902
Ion Ratio Lower Upper
53 100
52 43.4 41.0 123.0
51 25.8 17.8 53.4



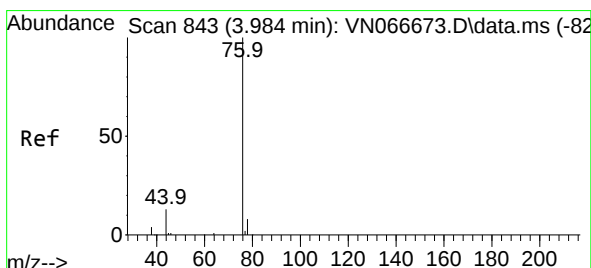
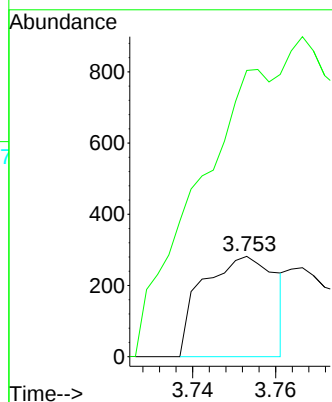
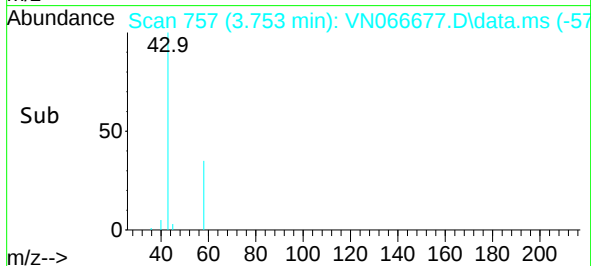


#15
Acetone
Concen: 0.86 ug/l
RT: 3.753 min Scan# 757
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

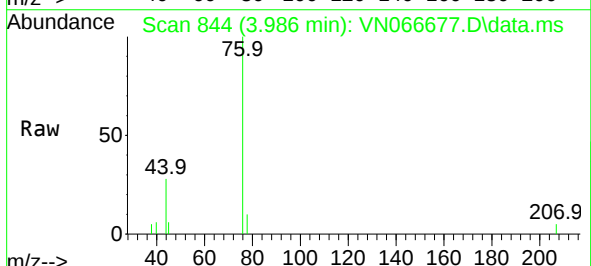
Instrument :
MSVOA_N
ClientSampled :



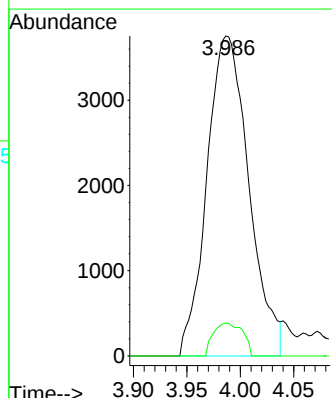
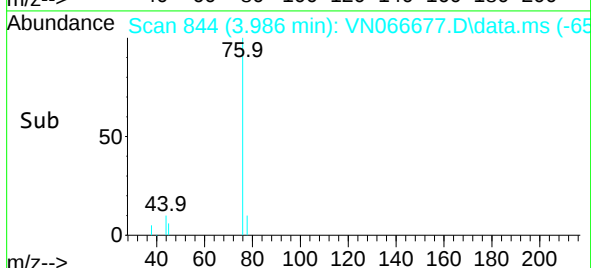
Tgt Ion: 58 Resp: 345
Ion Ratio Lower Upper
58 100
43 150.0 267.3 400.9#

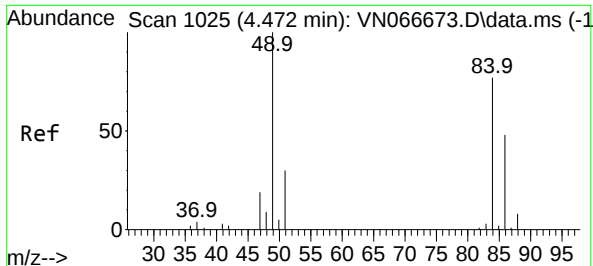


#16
Carbon Disulfide
Concen: 1.30 ug/l
RT: 3.986 min Scan# 844
Delta R.T. 0.002 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41



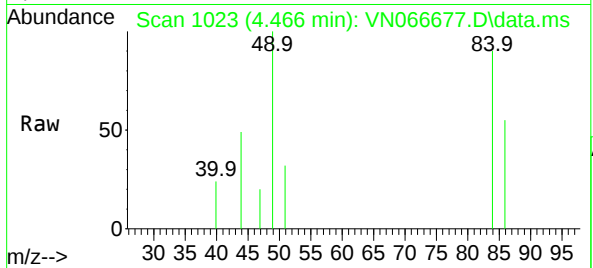
Tgt Ion: 76 Resp: 10252
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6



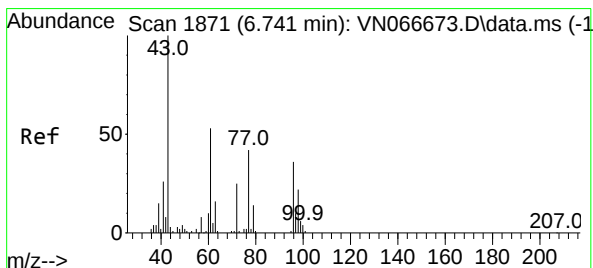
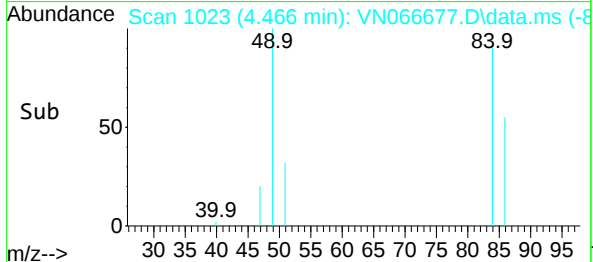
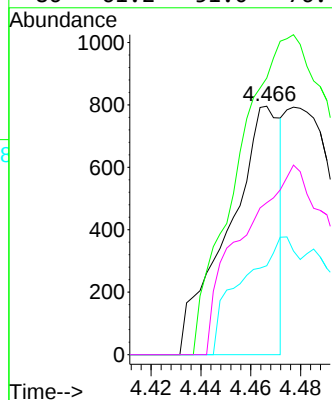


#18
Methylene Chloride
Concen: 0.35 ug/l
RT: 4.466 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

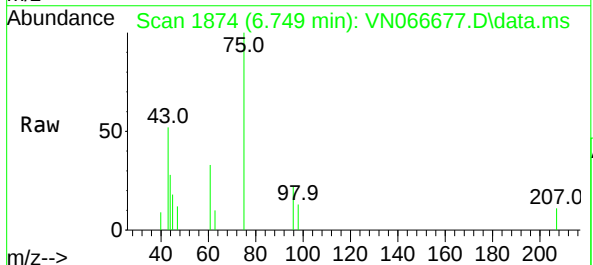
Instrument :
MSVOA_N
ClientSampleId :



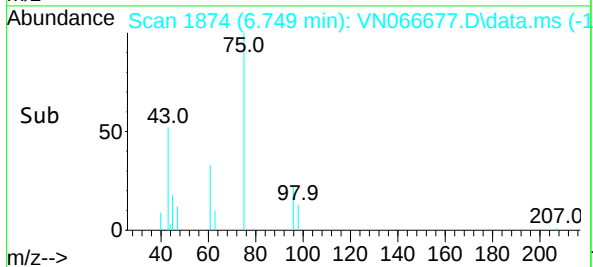
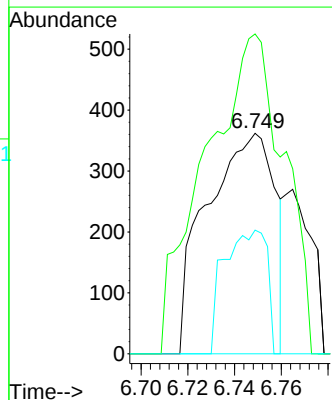
Tgt Ion:	84	Resp:	1146
Ion	Ratio	Lower	Upper
84	100		
49	111.3	98.9	148.3
51	35.8	30.8	46.2
86	61.2	51.0	76.4

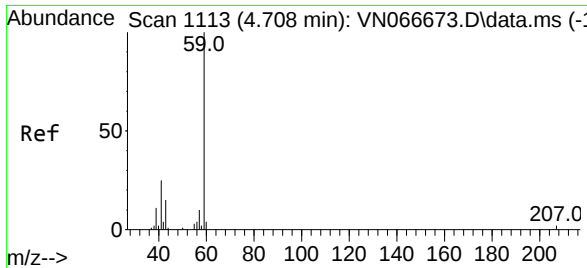


#22
cis-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 6.749 min Scan# 1874
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41



Tgt Ion:	96	Resp:	731
Ion	Ratio	Lower	Upper
96	100		
61	27.5	119.4	179.0#
98	2.2	51.5	77.3#

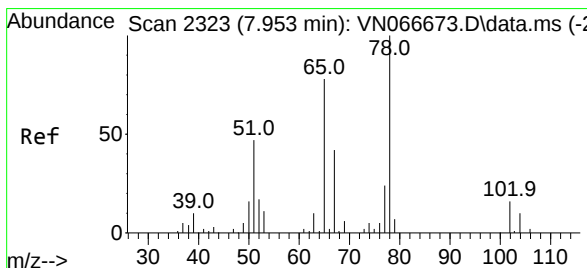
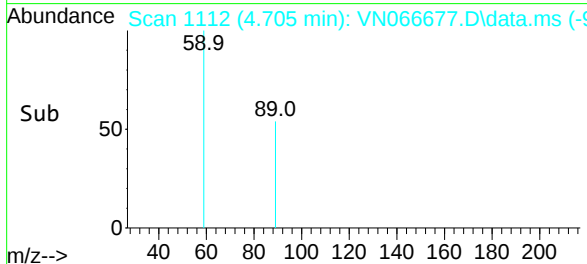
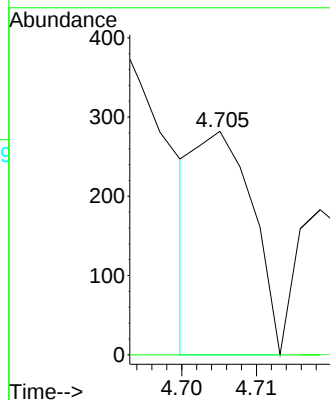
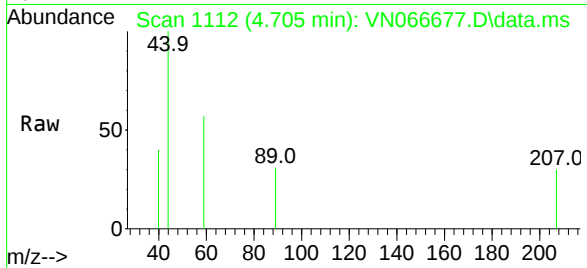




#23
tert-Butyl Alcohol
Concen: 0.29 ug/l
RT: 4.705 min Scan# 1112
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

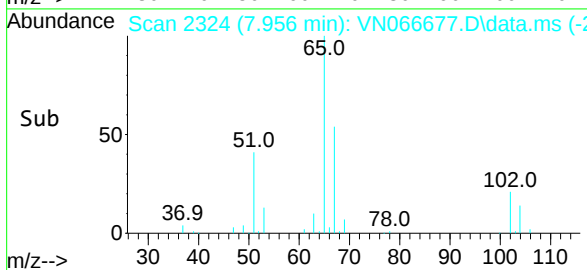
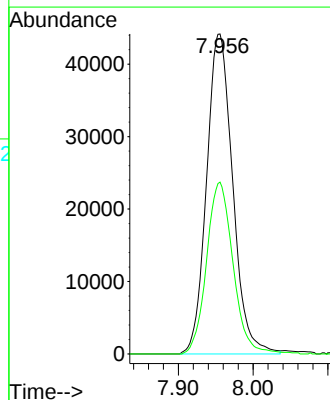
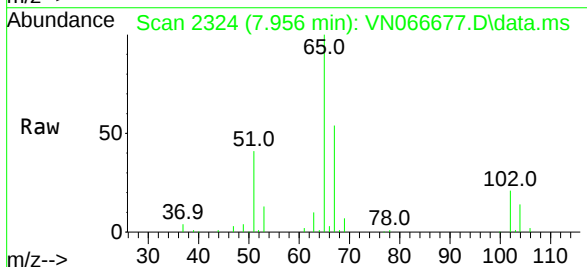
Instrument :
MSVOA_N
ClientSampled :

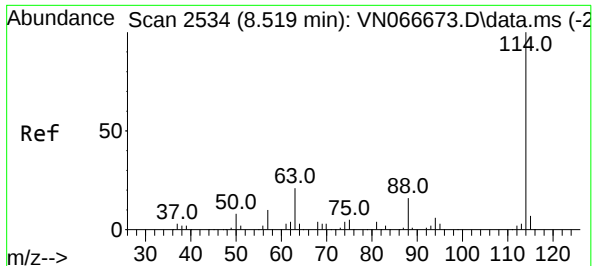
Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.37 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 65 Resp: 107353
Ion Ratio Lower Upper
65 100
67 54.2 42.2 63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.519 min Scan# 2534

Delta R.T. -0.000 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

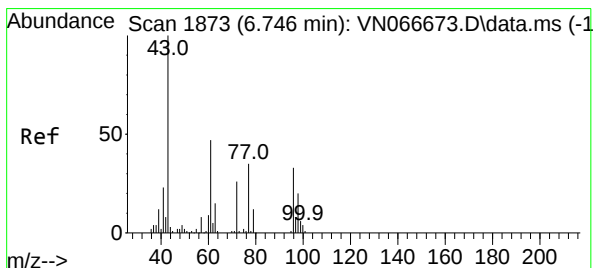
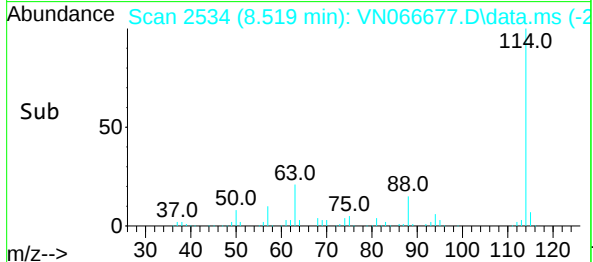
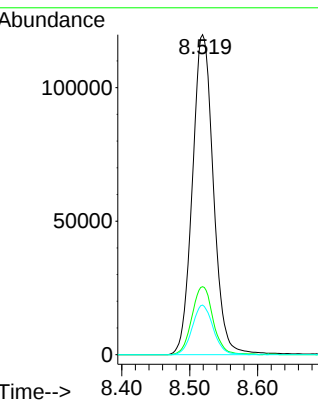
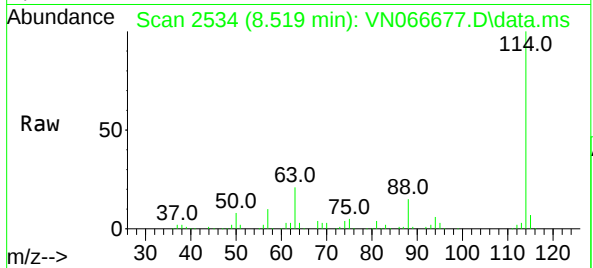
Tgt Ion: 114 Resp: 257510

Ion Ratio Lower Upper

114 100

63 21.5 17.4 26.0

88 15.4 12.6 19.0



#30

2-Butanone

Concen: 0.47 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

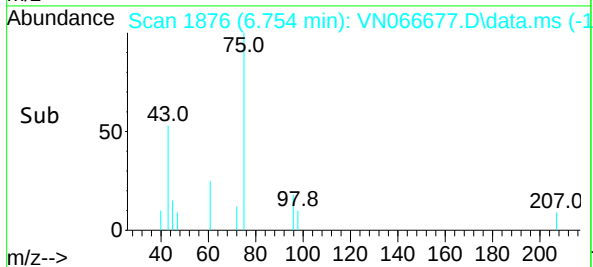
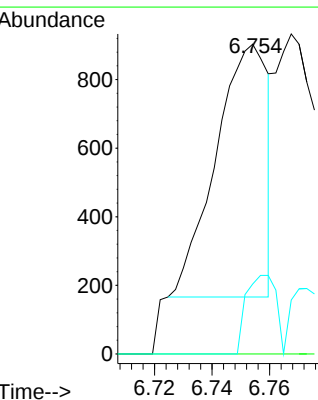
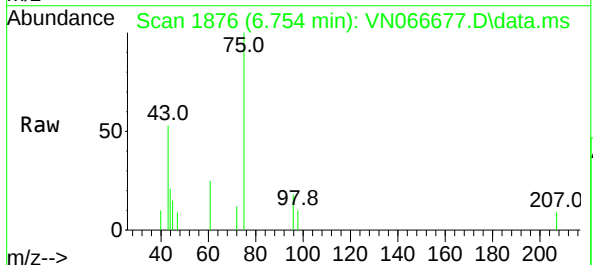
Tgt Ion: 43 Resp: 923

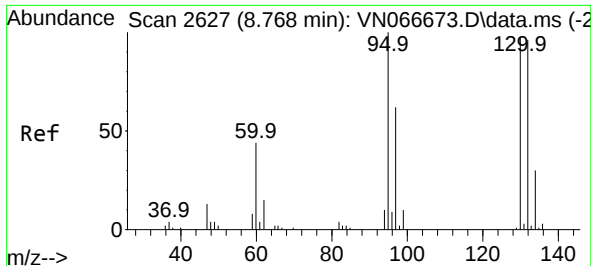
Ion Ratio Lower Upper

43 100

57 0.0 6.9 10.3#

72 17.8 20.9 31.3#





#37

Trichloroethene

Concen: 0.45 ug/l

RT: 8.771 min Scan# 2628

Delta R.T. 0.003 min

Lab File: VN066677.D

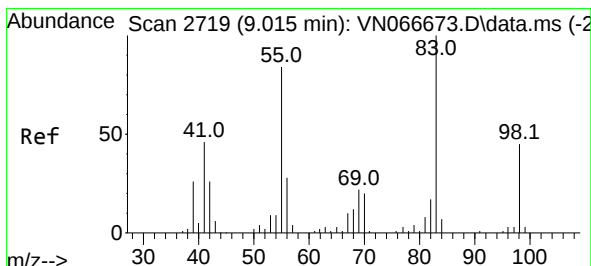
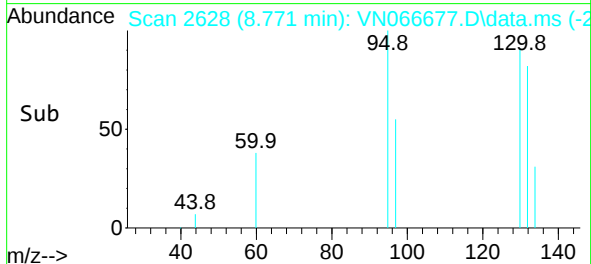
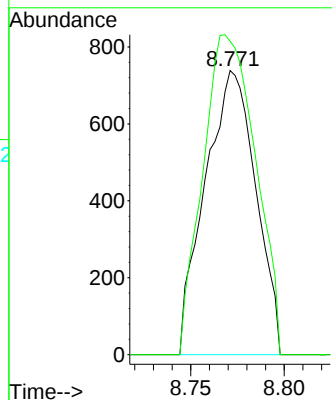
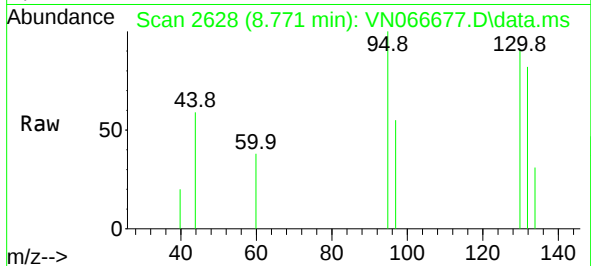
Acq: 20 Apr 2021 12:41

Tgt Ion: 130 Resp: 1392

Ion Ratio Lower Upper

130 100

95 110.3 80.7 121.1



#38

Methylcyclohexane

Concen: 0.28 ug/l

RT: 9.015 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

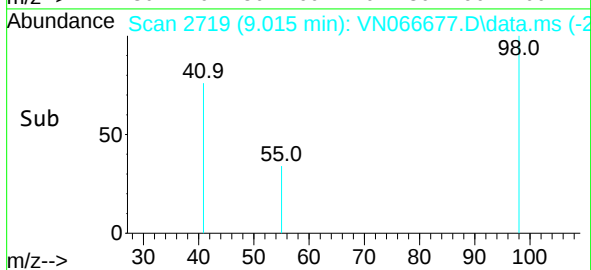
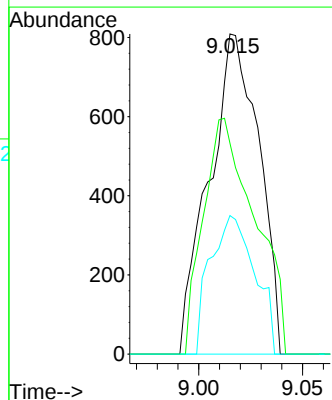
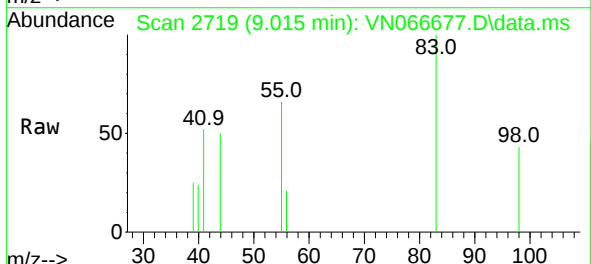
Tgt Ion: 83 Resp: 1353

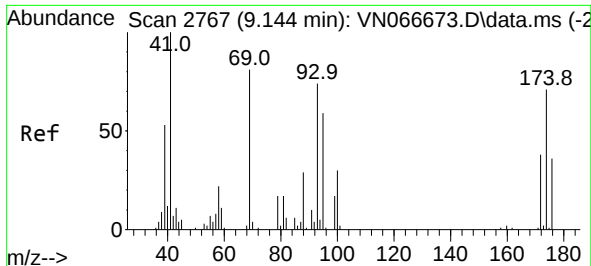
Ion Ratio Lower Upper

83 100

55 76.2 38.8 116.3

98 36.6 22.2 66.6





#40

Dibromomethane

Concen: 0.35 ug/l

RT: 9.149 min Scan# 2769

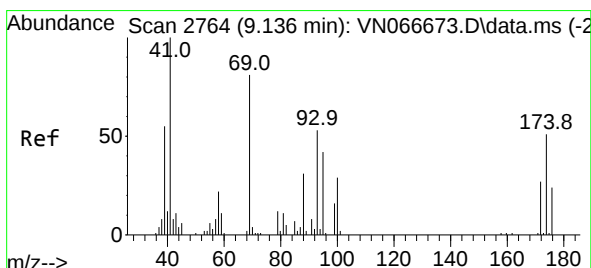
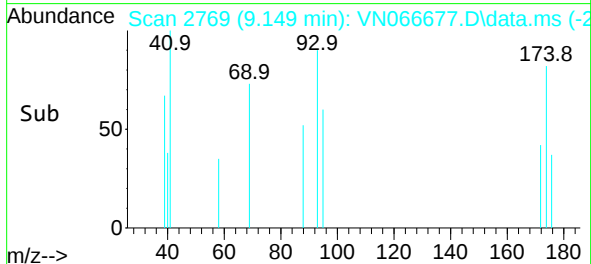
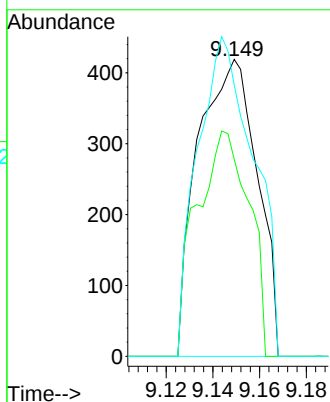
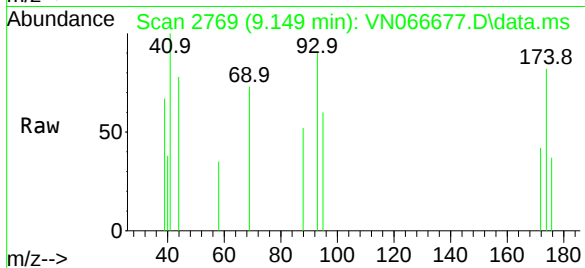
Delta R.T. 0.005 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion: 93 Resp: 738

Ion	Ratio	Lower	Upper
93	100		
95	49.7	0.0	169.0
174	102.2	0.0	205.8



#45

1,4-Dioxane

Concen: 5.46 ug/l

RT: 9.138 min Scan# 2765

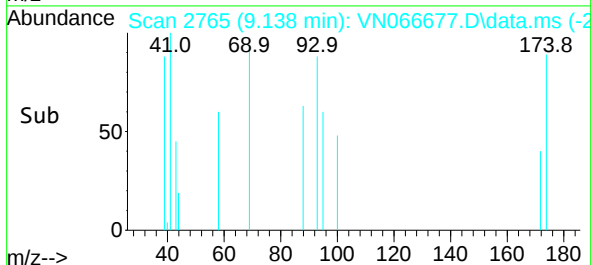
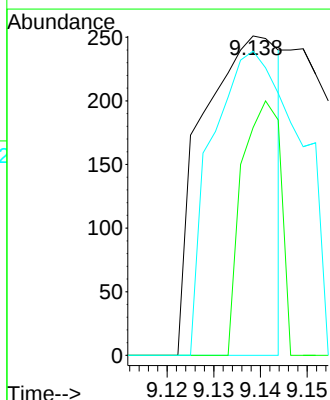
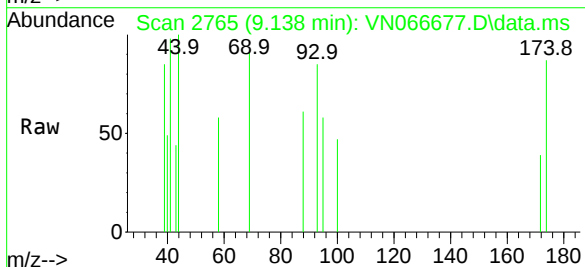
Delta R.T. 0.002 min

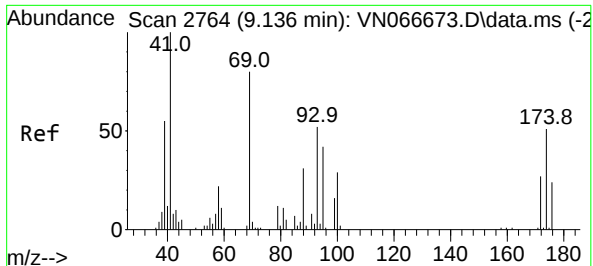
Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion: 88 Resp: 285

Ion	Ratio	Lower	Upper
88	100		
43	40.4	27.0	40.4
58	101.1	57.9	86.9#

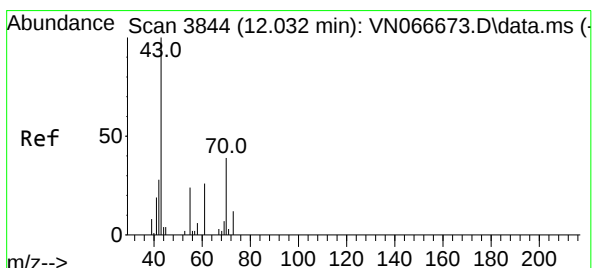
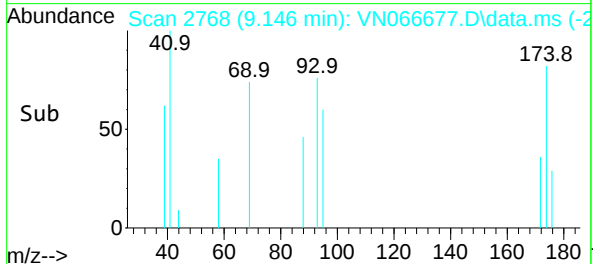
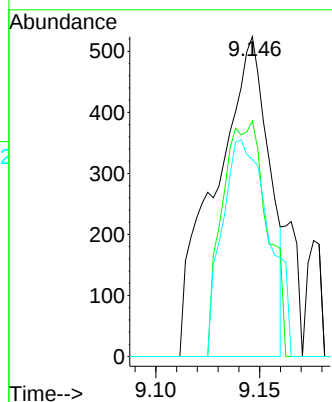
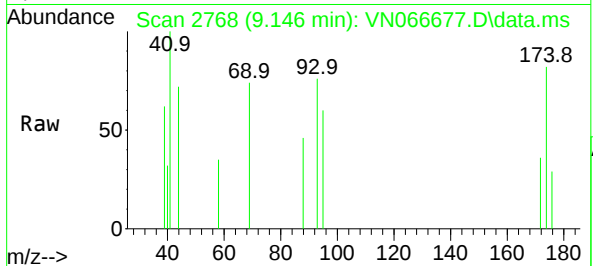




#46
Methyl methacrylate
Concen: 0.29 ug/l
RT: 9.146 min Scan# 2768
Delta R.T. 0.010 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

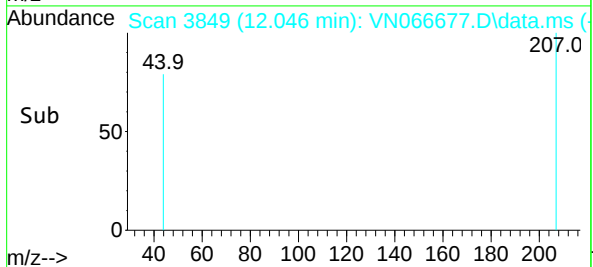
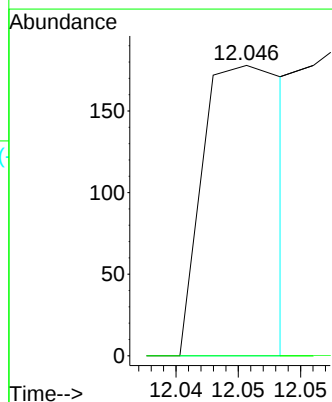
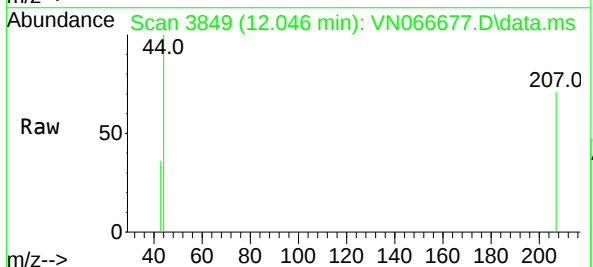
Instrument :
MSVOA_N
ClientSampled :

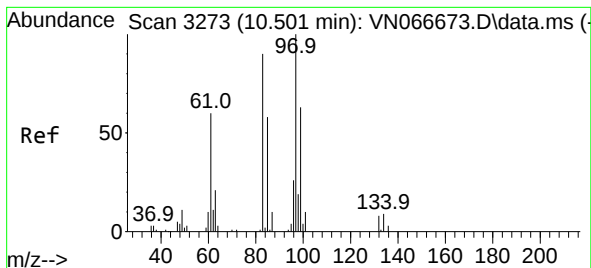
Tgt Ion: 41 Resp: 940
Ion Ratio Lower Upper
41 100
69 73.7 40.6 121.7
39 61.6 33.2 99.6



#47
n-amy1 Acetate
Concen: 19.45 ug/l
RT: 12.046 min Scan# 3849
Delta R.T. 0.014 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

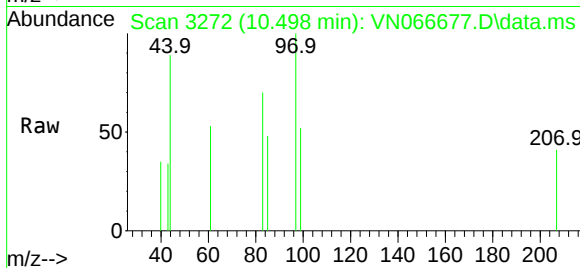
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#





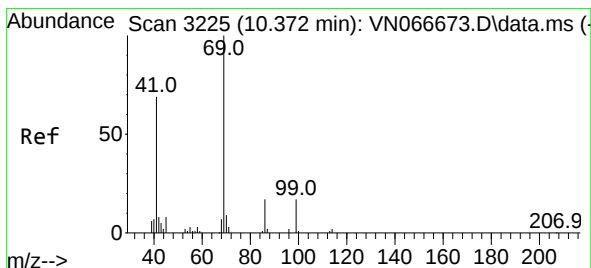
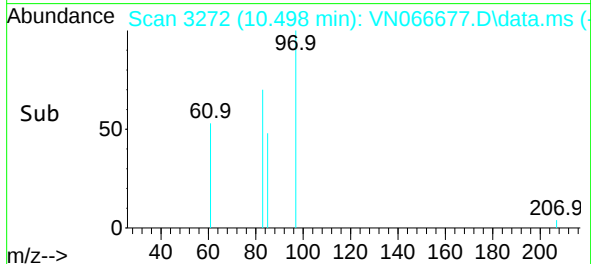
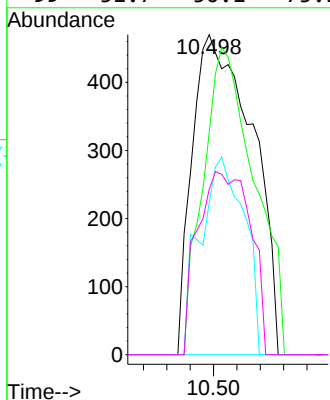
#50
1,1,2-Trichloroethane
Concen: 0.27 ug/l
RT: 10.498 min Scan# 3272
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Instrument :
MSVOA_N
ClientSampleId :

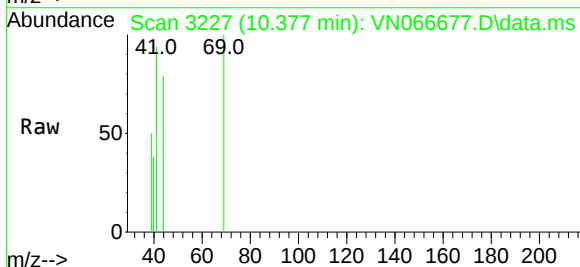


Tgt Ion: 97 Resp: 835

Ion	Ratio	Lower	Upper
97	100		
83	69.6	68.8	103.2
85	47.7	44.8	67.2
99	51.7	50.1	75.1

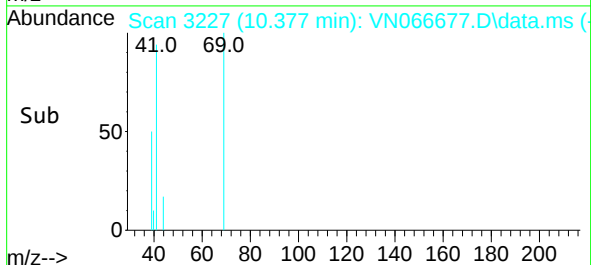
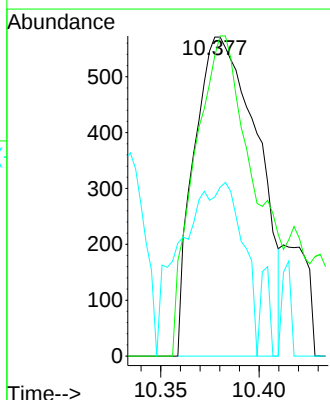


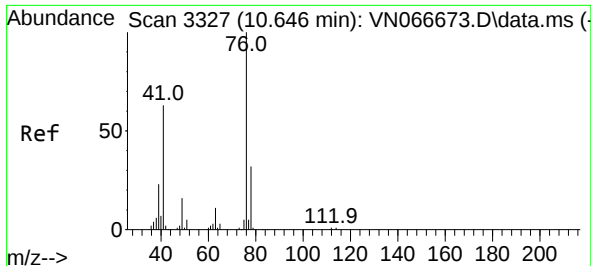
#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 10.377 min Scan# 3227
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41



Tgt Ion: 69 Resp: 1274

Ion	Ratio	Lower	Upper
69	100		
41	64.3	34.8	104.5
39	49.9	22.5	67.5

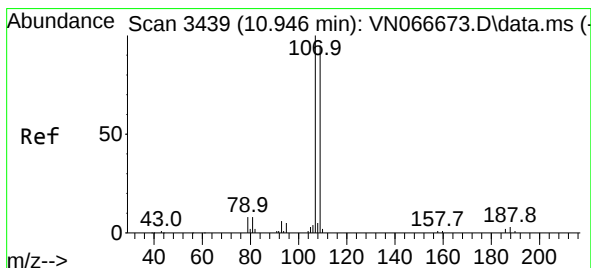
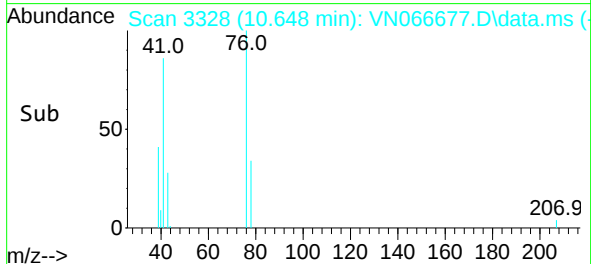
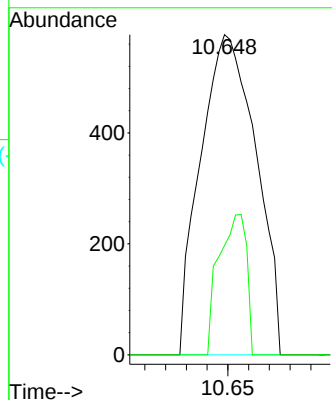
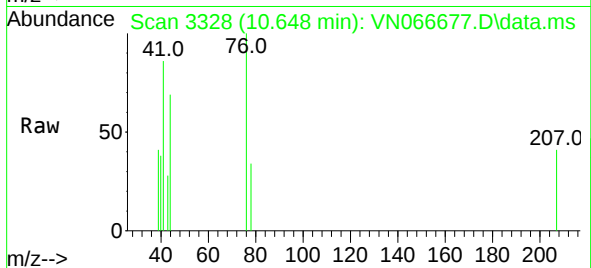




#52
1,3-Dichloropropane
Concen: 0.20 ug/l
RT: 10.648 min Scan# 3328
Delta R.T. 0.002 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

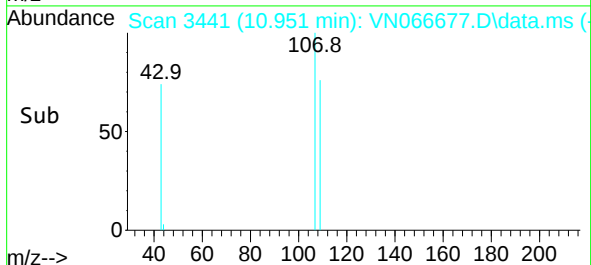
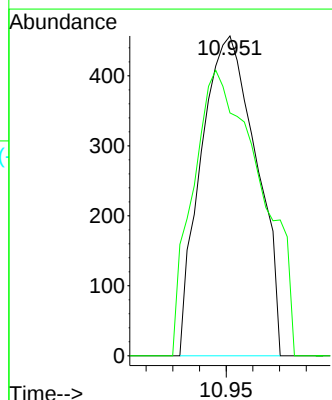
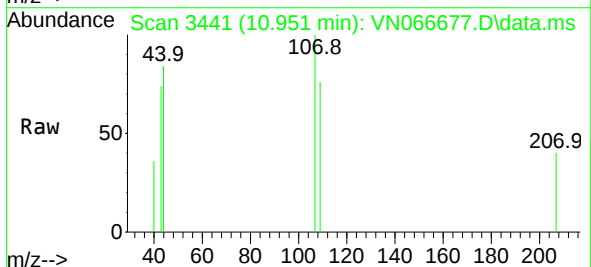
Instrument :
MSVOA_N
ClientSampled :

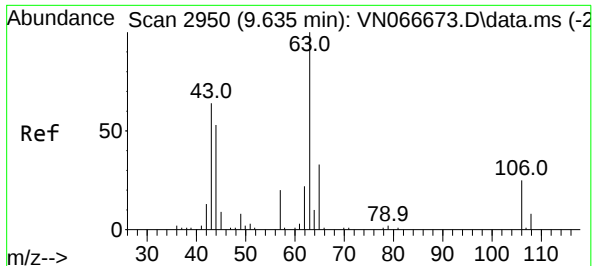
Tgt Ion: 76 Resp: 1072
Ion Ratio Lower Upper
76 100
78 21.8 0.0 65.6



#54
1,2-Dibromoethane
Concen: 0.21 ug/l
RT: 10.951 min Scan# 3441
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 107 Resp: 658
Ion Ratio Lower Upper
107 100
109 99.8 75.8 113.6

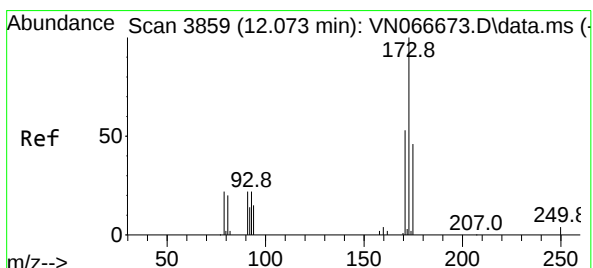
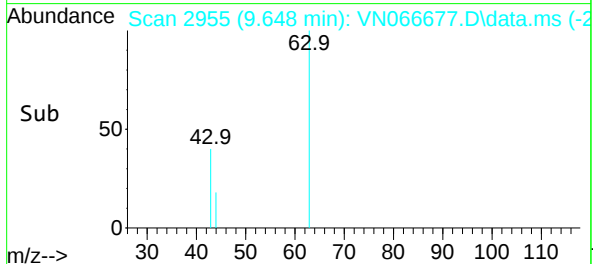
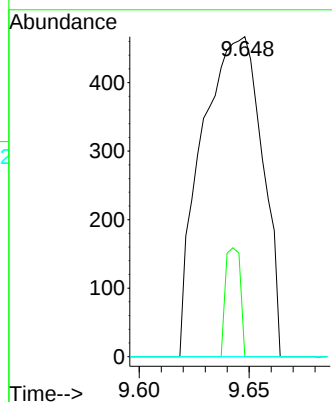
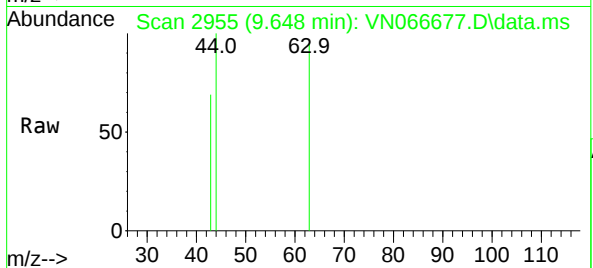




#55
2-Chloroethyl vinyl ether
Concen: 1.31 ug/l
RT: 9.648 min Scan# 2955
Delta R.T. 0.013 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

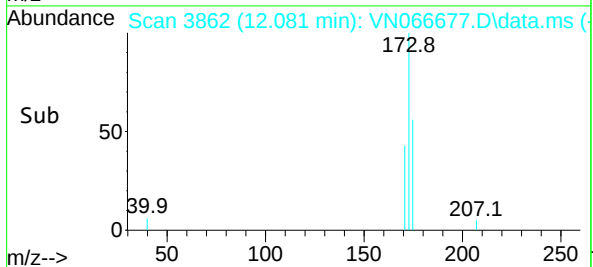
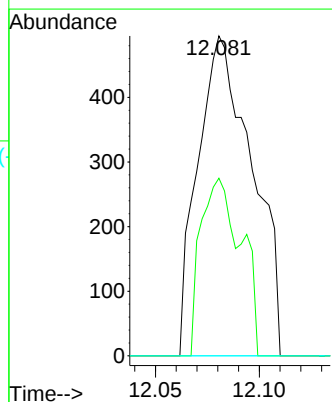
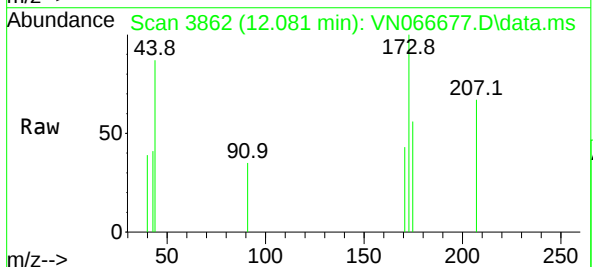
Instrument :
MSVOA_N
ClientSampleId :

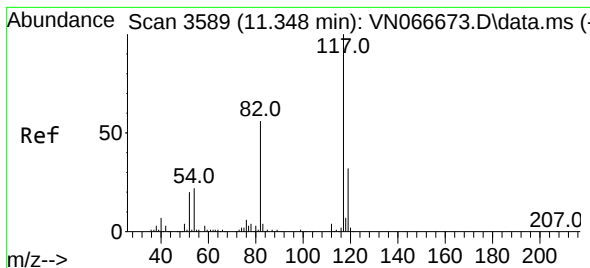
Tgt Ion: 63 Resp: 892
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.37 ug/l
RT: 12.081 min Scan# 3862
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

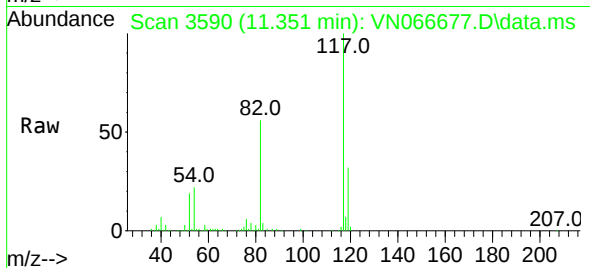
Tgt Ion: 173 Resp: 899
Ion Ratio Lower Upper
173 100
175 31.9 38.3 57.5#
254 0.0 0.0 0.0



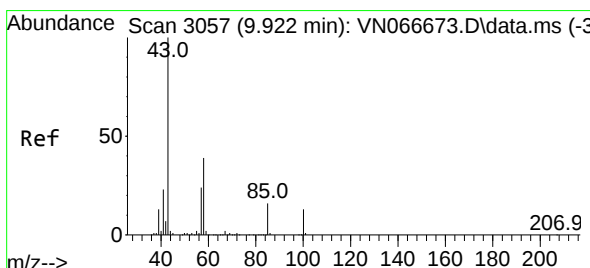
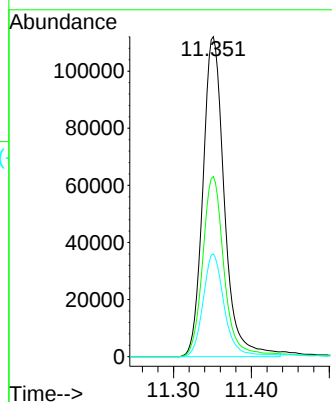
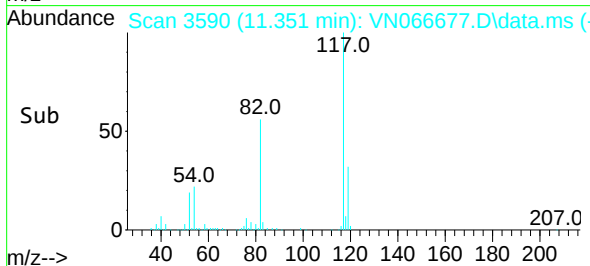


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

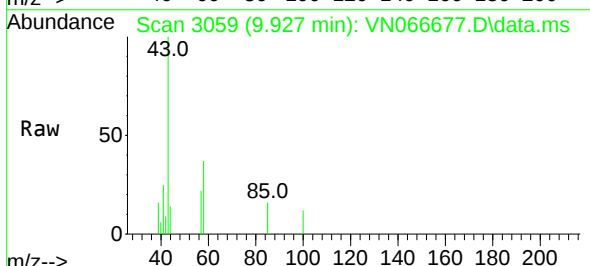
Instrument :
MSVOA_N
ClientSampleId :



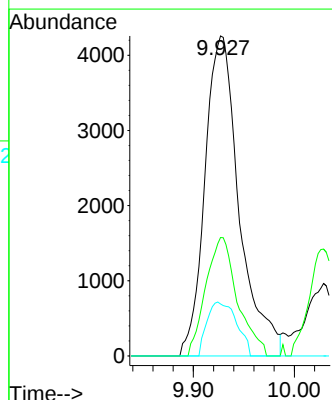
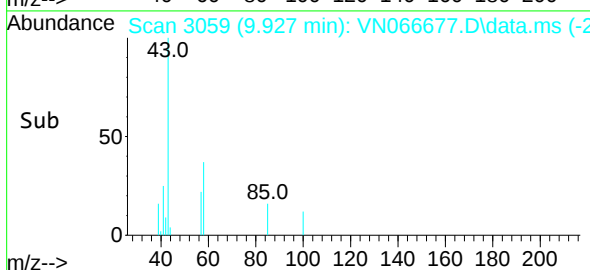
Tgt Ion: 117 Resp: 214627
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 31.7 25.5 38.3

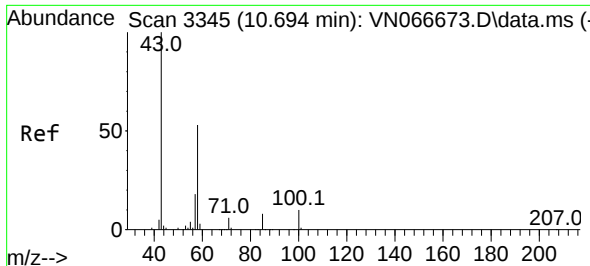


#58
4-Methyl-2-Pentanone
Concen: 2.75 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41



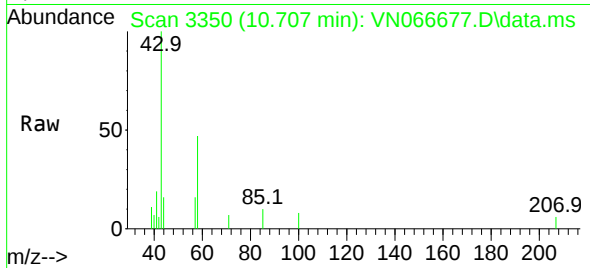
Tgt Ion: 43 Resp: 10044
Ion Ratio Lower Upper
43 100
58 34.2 30.4 45.6
85 14.5 13.8 20.8



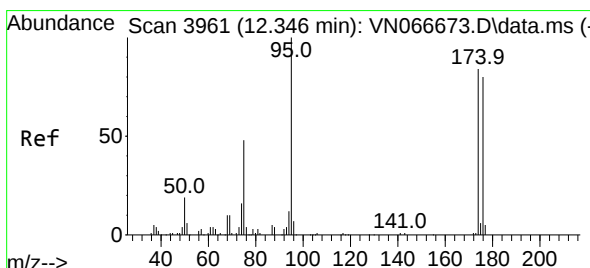
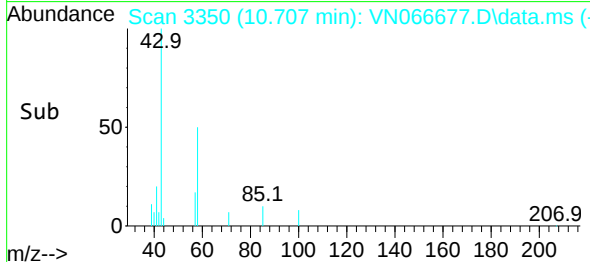
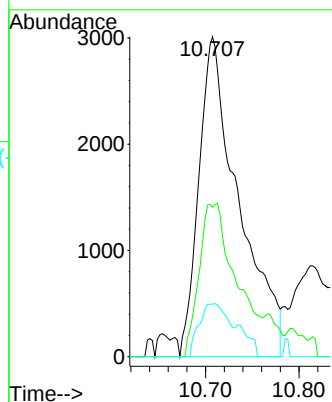


#59
2-Hexanone
Concen: 3.79 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Instrument :
MSVOA_N
ClientSampleId :

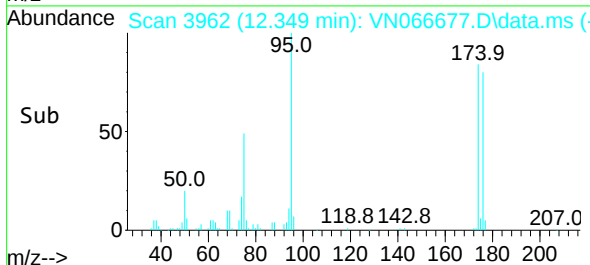
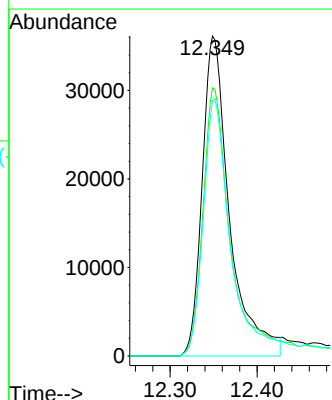
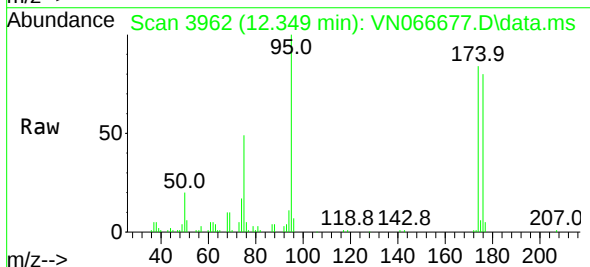


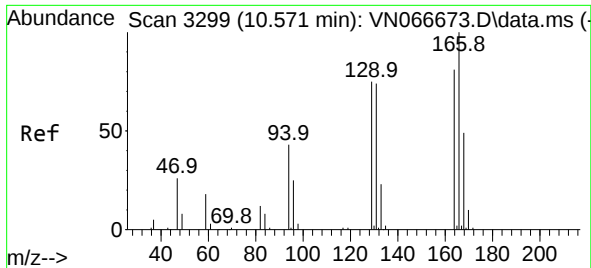
Tgt Ion: 43 Resp: 8901
Ion Ratio Lower Upper
43 100
58 17.1 41.8 62.6#
57 5.1 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 23.48 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 95 Resp: 78975
Ion Ratio Lower Upper
95 100
174 85.9 68.1 102.1
176 78.4 65.4 98.0



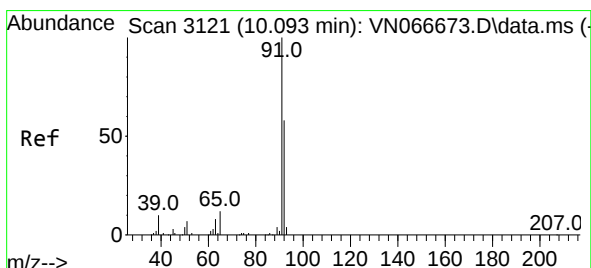
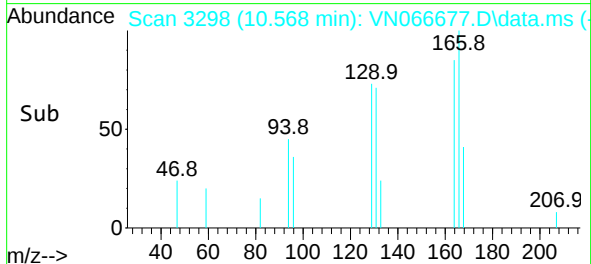
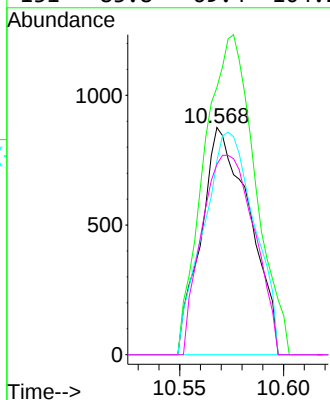
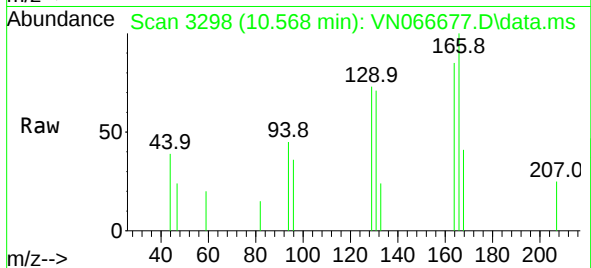


#61
Tetrachloroethene
Concen: 0.60 ug/l
RT: 10.568 min Scan# 3298
Delta R.T. -0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 1424

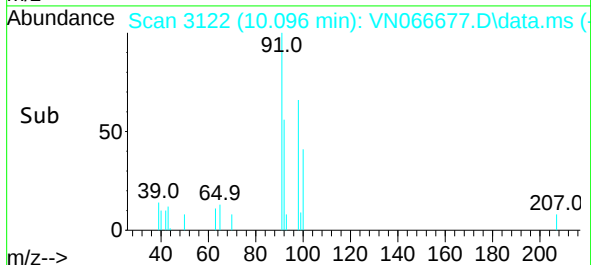
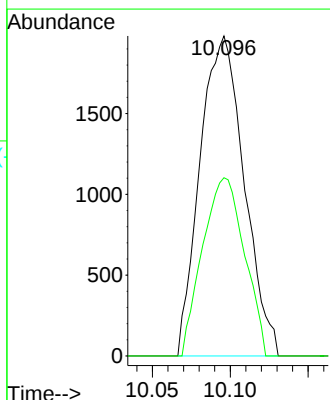
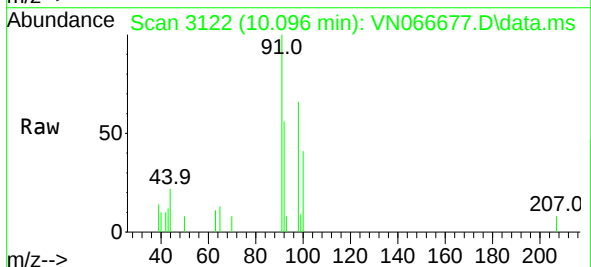
Ion	Ratio	Lower	Upper
164	100		
166	117.7	100.5	150.7
129	85.4	74.7	112.1
131	83.8	69.4	104.2

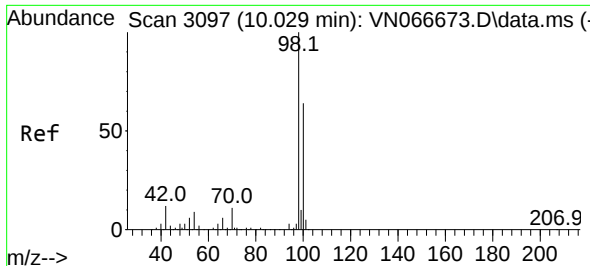


#62
Toluene
Concen: 0.32 ug/l
RT: 10.096 min Scan# 3122
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 91 Resp: 3903

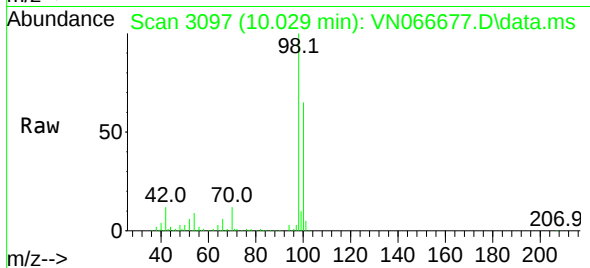
Ion	Ratio	Lower	Upper
91	100		
92	52.9	46.2	69.2



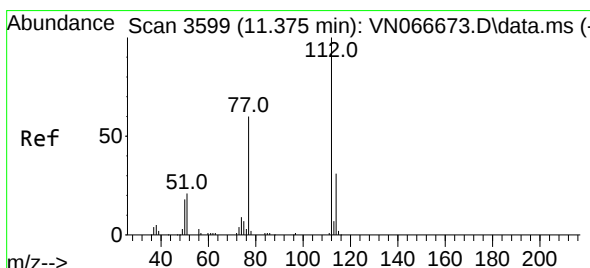
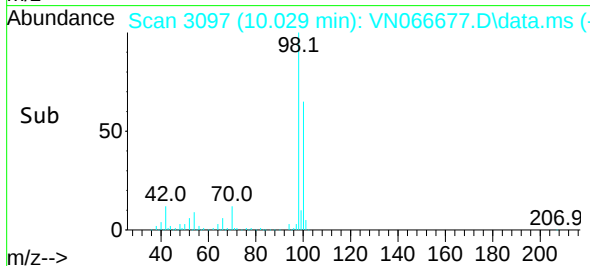
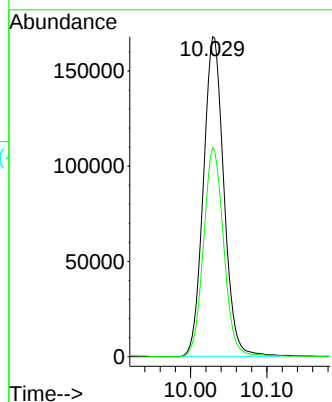


#63
Toluene-d8
Concen: 31.80 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Instrument :
MSVOA_N
ClientSampled :

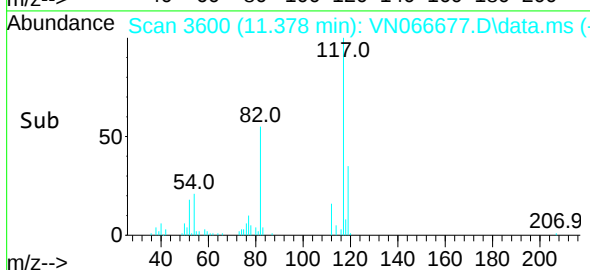
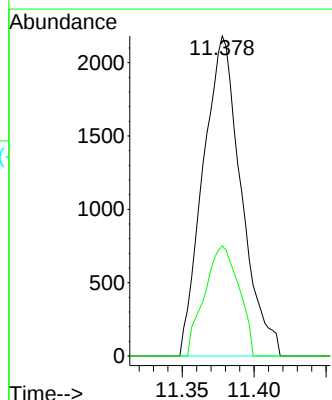
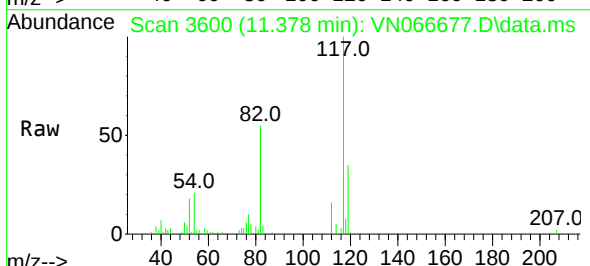


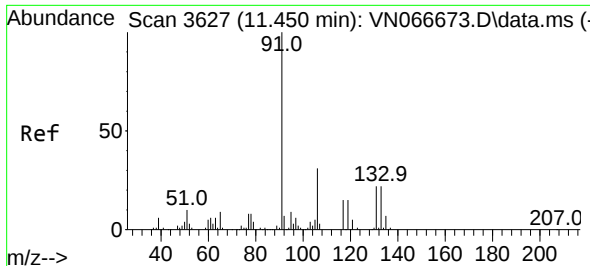
Tgt Ion: 98 Resp: 314028
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7



#64
Chlorobenzene
Concen: 0.55 ug/l
RT: 11.378 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 112 Resp: 4014
Ion Ratio Lower Upper
112 100
114 34.4 25.6 38.4

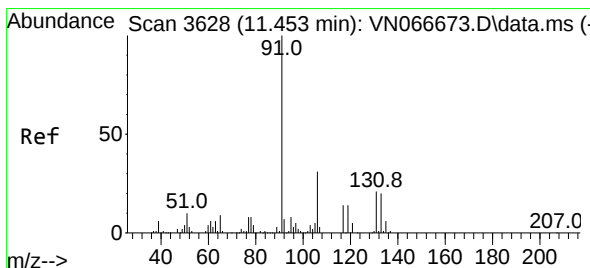
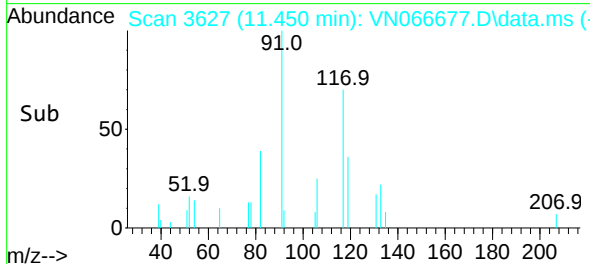
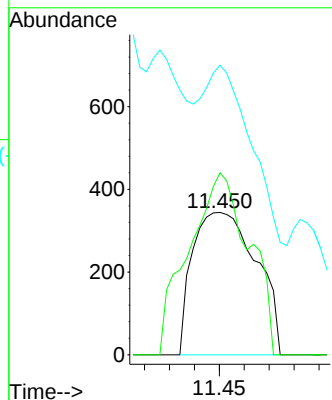
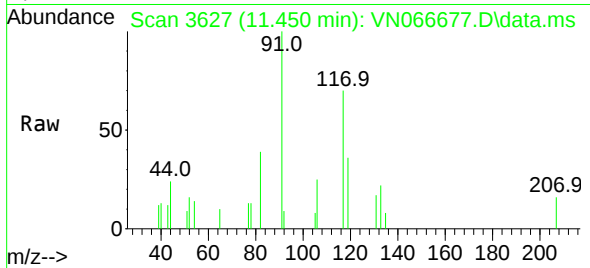




#65
1,1,1,2-Tetrachloroethane
Concen: 0.22 ug/l
RT: 11.450 min Scan# 3627
Delta R.T. 0.000 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

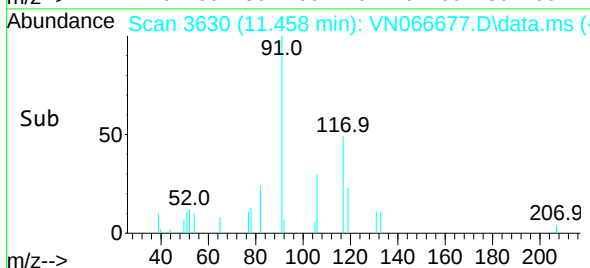
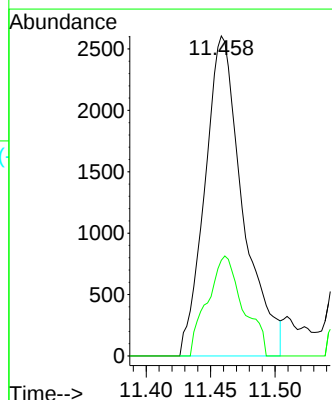
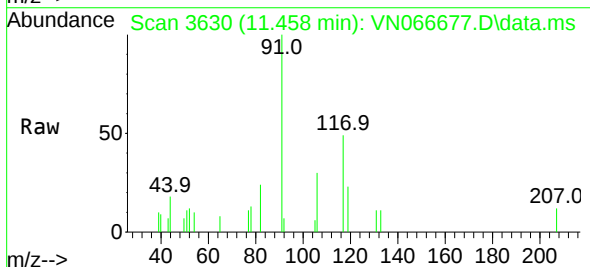
Instrument :
MSVOA_N
ClientSampleId :

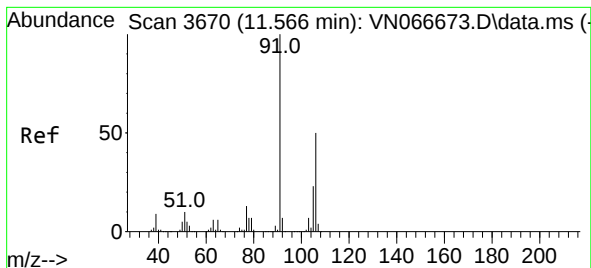
Tgt Ion:131 Resp: 611
Ion Ratio Lower Upper
131 100
133 102.8 0.0 188.4
119 15.4 0.0 134.4



#66
Ethyl Benzene
Concen: 0.41 ug/l
RT: 11.458 min Scan# 3630
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 91 Resp: 5313
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3

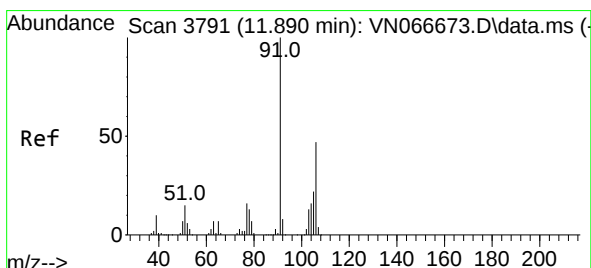
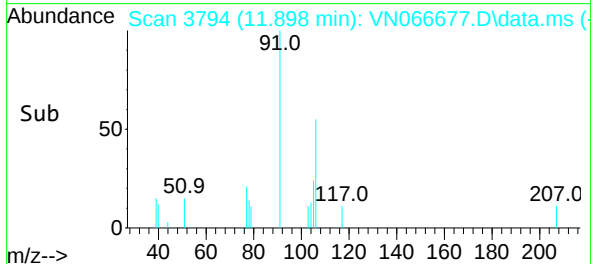
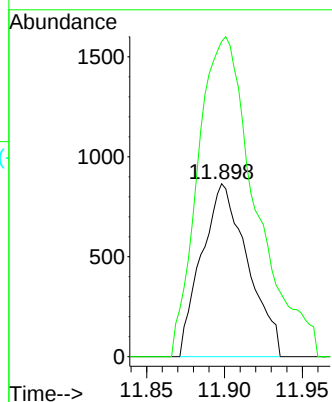
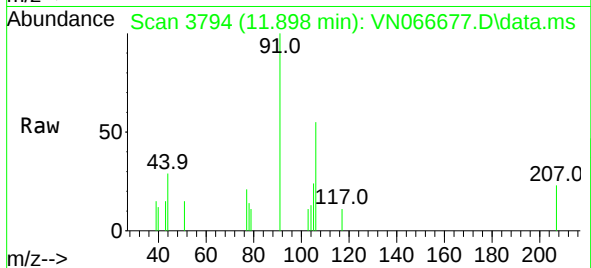




#67
m/p-Xylenes
Concen: 0.36 ug/l
RT: 11.898 min Scan# 3794
Delta R.T. 0.332 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

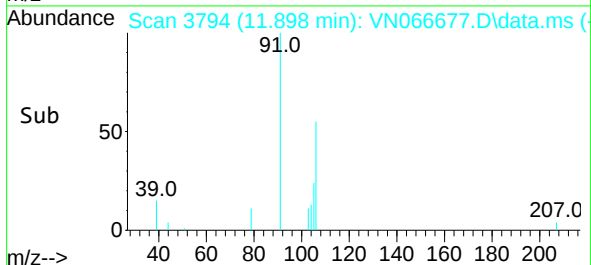
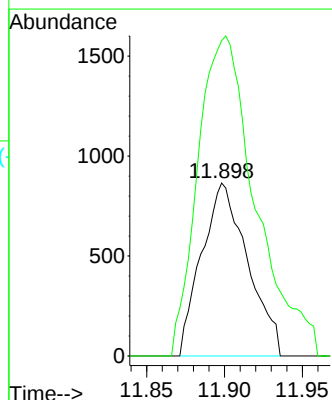
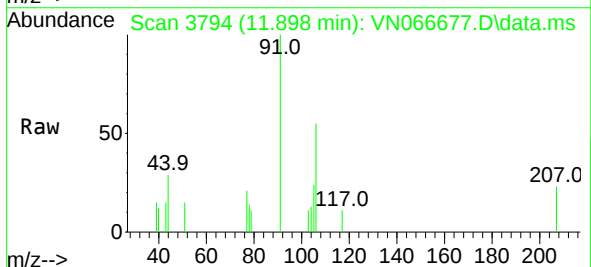
Instrument :
MSVOA_N
ClientSampled :

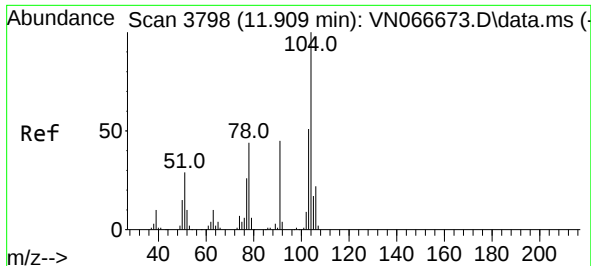
Tgt Ion:106 Resp: 1779
Ion Ratio Lower Upper
106 100
91 232.0 164.8 247.2



#68
o-Xylene
Concen: 0.38 ug/l
RT: 11.898 min Scan# 3794
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:106 Resp: 1779
Ion Ratio Lower Upper
106 100
91 232.0 107.1 321.4

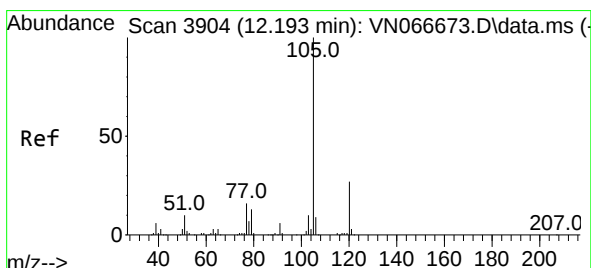
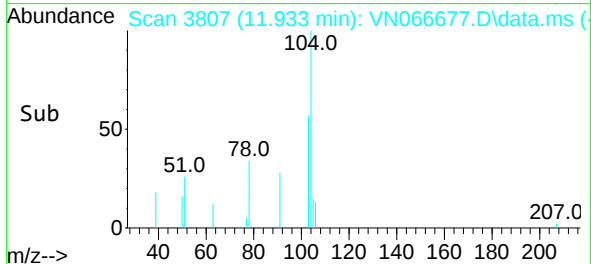
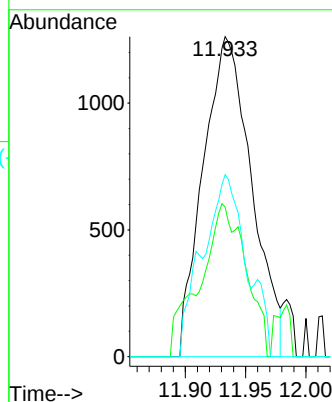
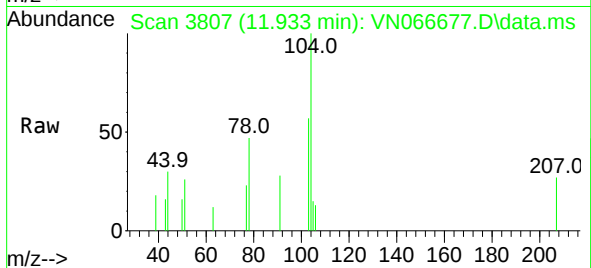




#69
Styrene
Concen: 0.46 ug/l
RT: 11.933 min Scan# 3807
Delta R.T. 0.024 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

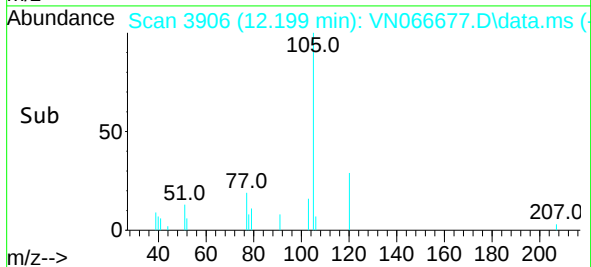
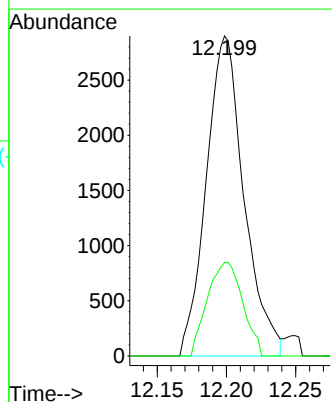
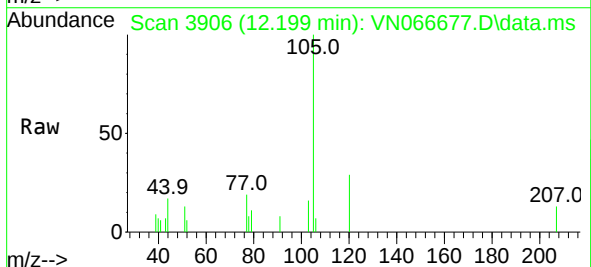
Instrument :
MSVOA_N
ClientSampleId :

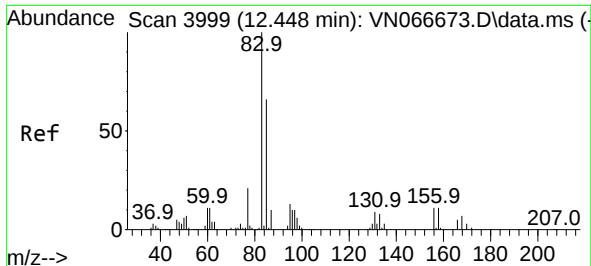
Tgt Ion:104 Resp: 3513
Ion Ratio Lower Upper
104 100
78 11.7 41.0 61.6#
103 22.6 43.7 65.5#



#70
Isopropylbenzene
Concen: 0.44 ug/l
RT: 12.199 min Scan# 3906
Delta R.T. 0.006 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:105 Resp: 5487
Ion Ratio Lower Upper
105 100
120 27.4 18.7 34.7

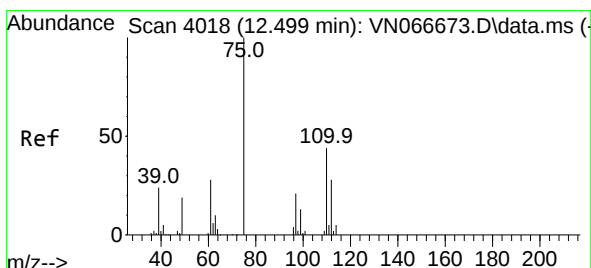
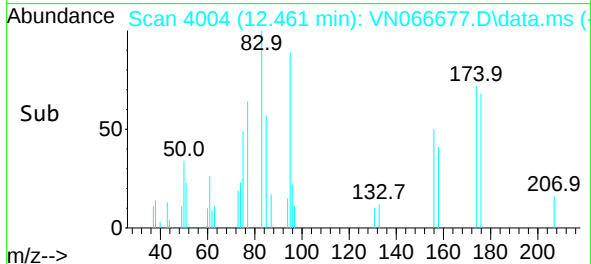
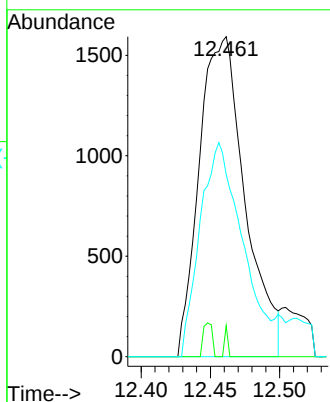
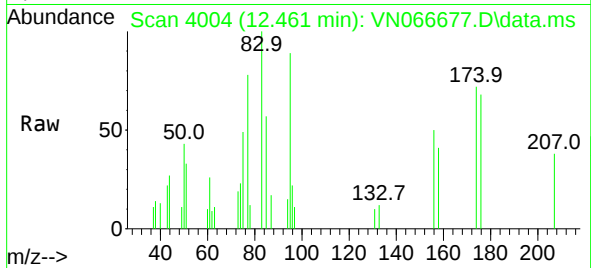




#71
1,1,2,2-Tetrachloroethane
Concen: 0.89 ug/l
RT: 12.461 min Scan# 4004
Delta R.T. 0.013 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

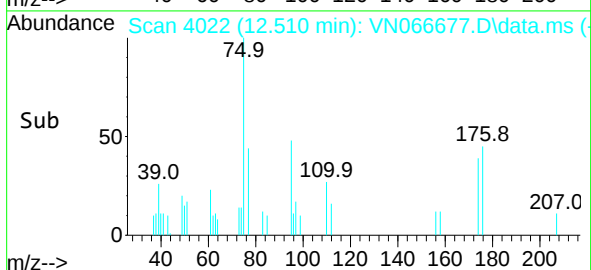
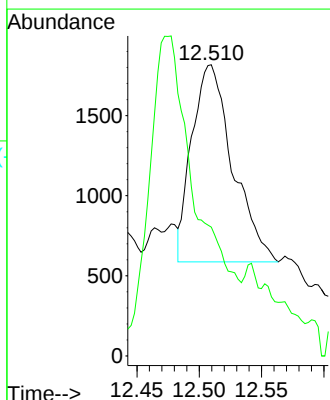
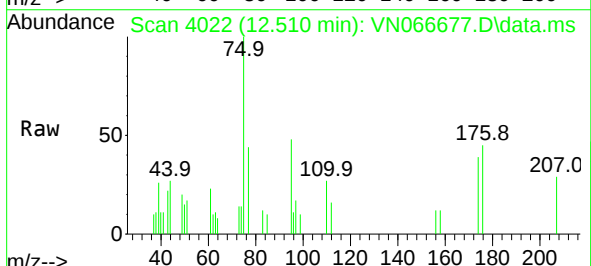
Instrument :
MSVOA_N
ClientSampleId :

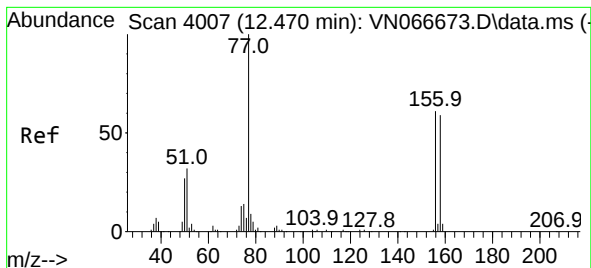
Tgt Ion: 83 Resp: 3652
Ion Ratio Lower Upper
83 100
131 2.1 4.9 14.6#
85 61.6 31.4 94.2



#72
1,2,3-Trichloropropane
Concen: 0.79 ug/l
RT: 12.510 min Scan# 4022
Delta R.T. 0.011 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 75 Resp: 2803
Ion Ratio Lower Upper
75 100
77 3.7 0.0 310.8

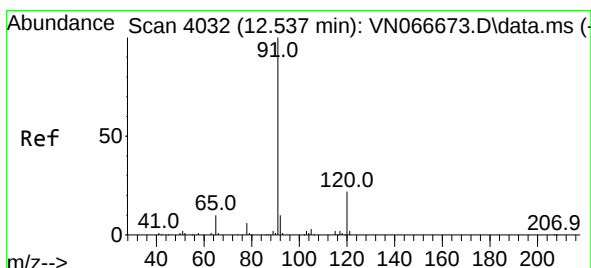
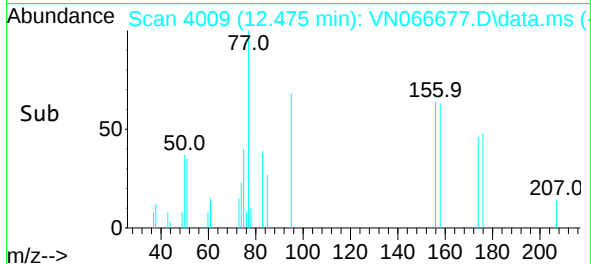
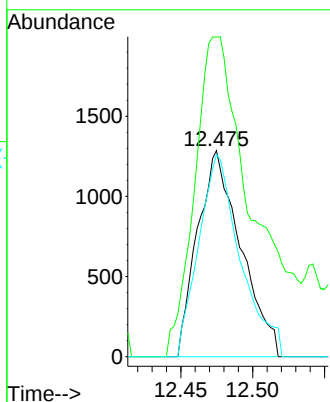
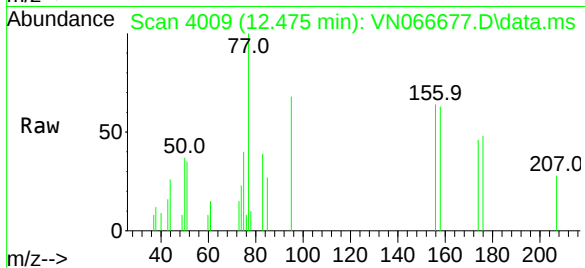




#73
Bromobenzene
Concen: 0.86 ug/l
RT: 12.475 min Scan# 4009
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

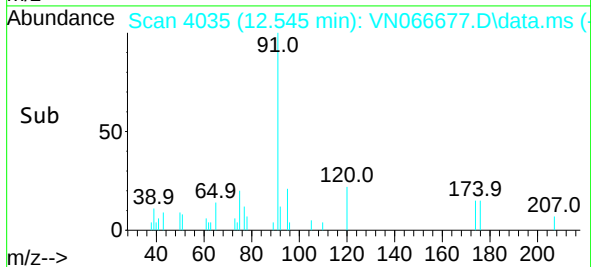
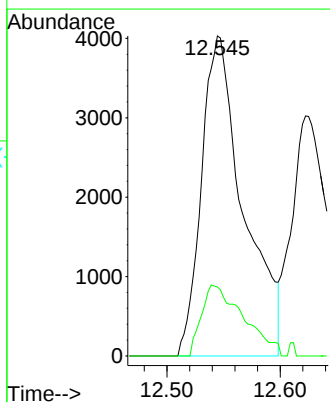
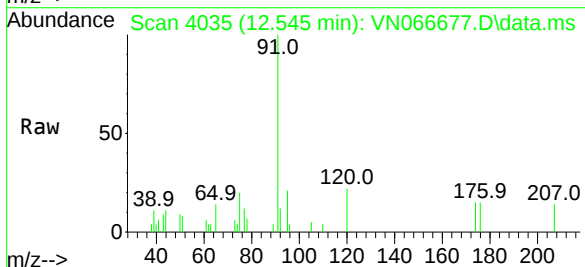
Instrument :
MSVOA_N
ClientSampleId :

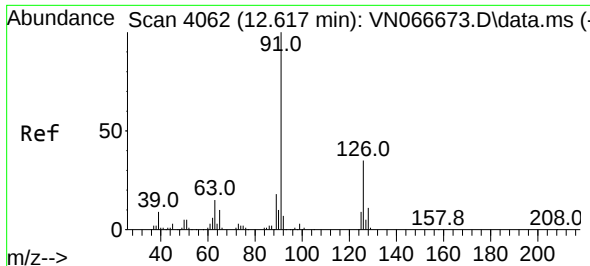
Tgt Ion:156 Resp: 2685
Ion Ratio Lower Upper
156 100
77 200.4 0.0 399.6
158 93.3 0.0 192.8



#74
n-propylbenzene
Concen: 0.72 ug/l
RT: 12.545 min Scan# 4035
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 91 Resp: 10352
Ion Ratio Lower Upper
91 100
120 13.2 0.0 45.2

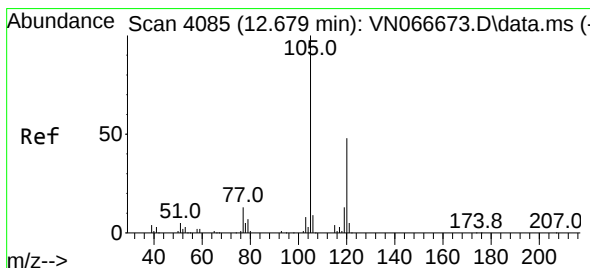
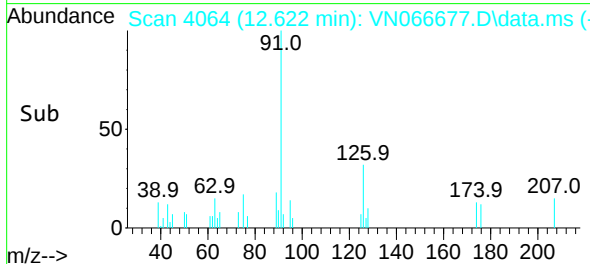
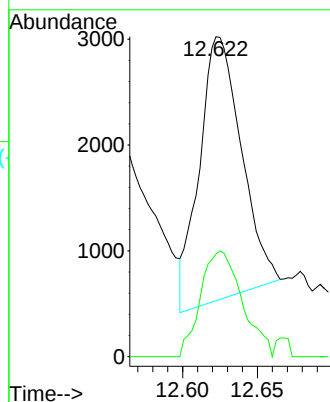
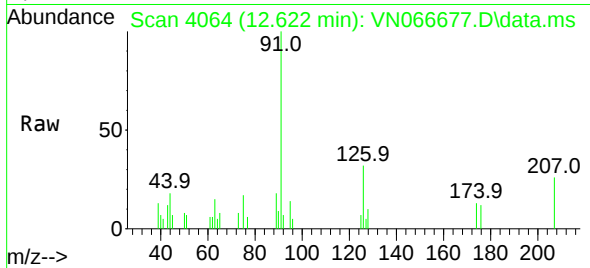




#75
2-Chlorotoluene
Concen: 0.57 ug/l
RT: 12.622 min Scan# 4064
Delta R.T. 0.005 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

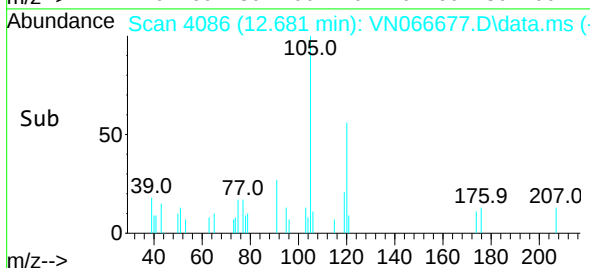
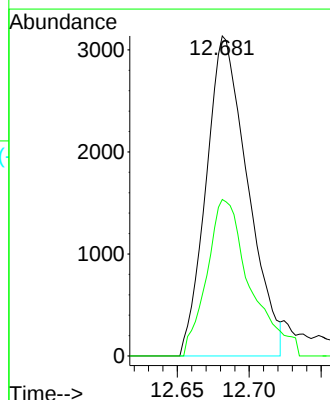
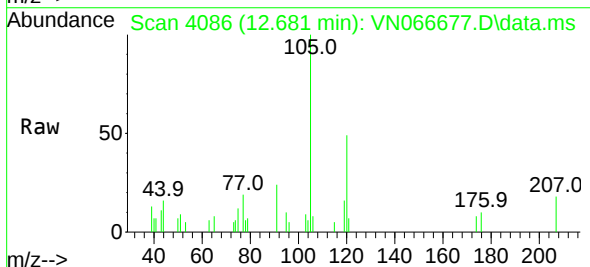
Instrument :
MSVOA_N
ClientSampleId :

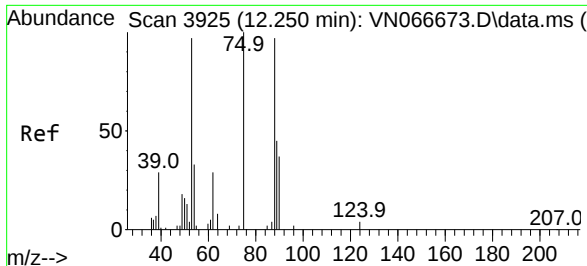
Tgt Ion: 91 Resp: 4875
Ion Ratio Lower Upper
91 100
126 39.6 0.0 68.6



#76
1,3,5-Trimethylbenzene
Concen: 0.60 ug/l
RT: 12.681 min Scan# 4086
Delta R.T. 0.002 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 105 Resp: 6307
Ion Ratio Lower Upper
105 100
120 50.5 0.0 98.2

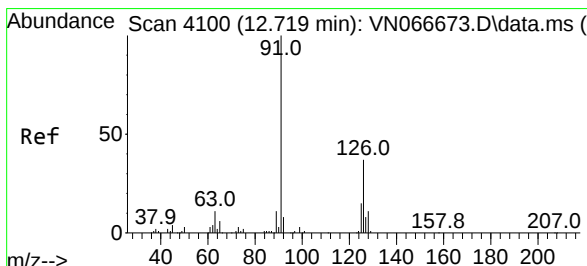
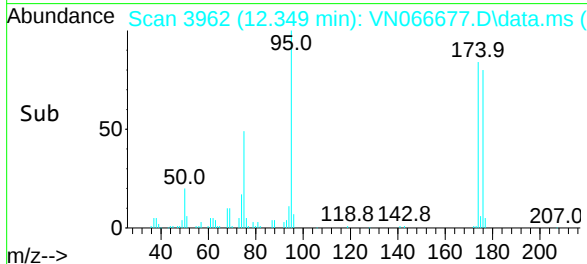
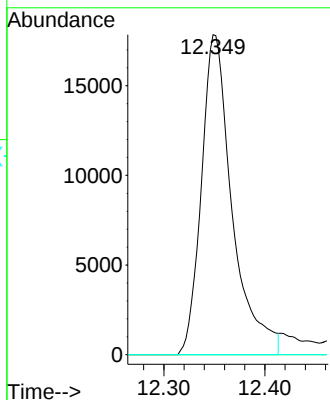
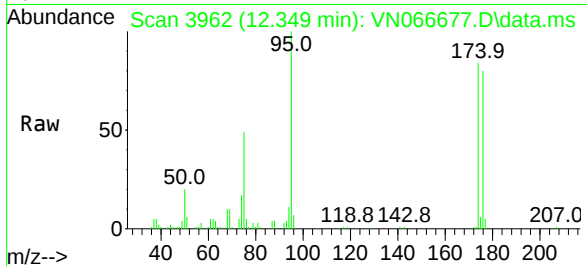




#77
t-1,4-Dichloro-2-butene
Concen: 33.67 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

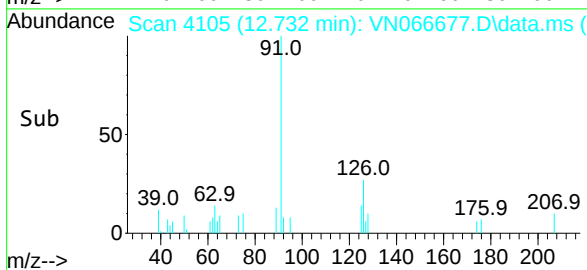
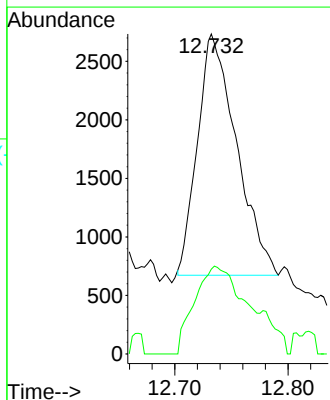
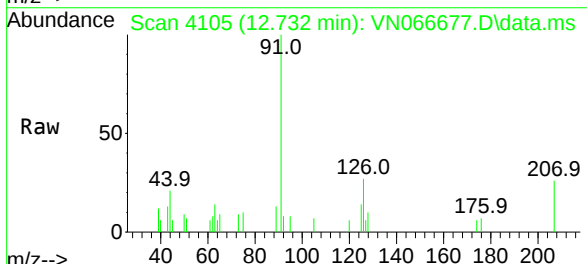
Instrument :
MSVOA_N
ClientSampleId :

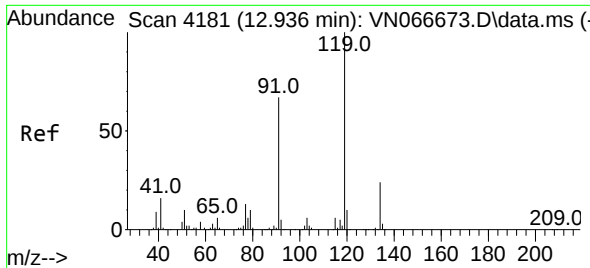
Tgt Ion: 75 Resp: 37832
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#78
4-Chlorotoluene
Concen: 0.58 ug/l
RT: 12.732 min Scan# 4105
Delta R.T. 0.013 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 91 Resp: 4922
Ion Ratio Lower Upper
91 100
126 45.6 0.0 65.4

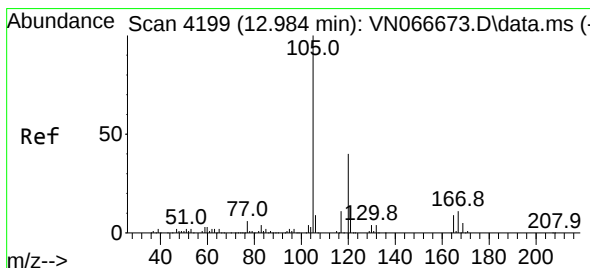
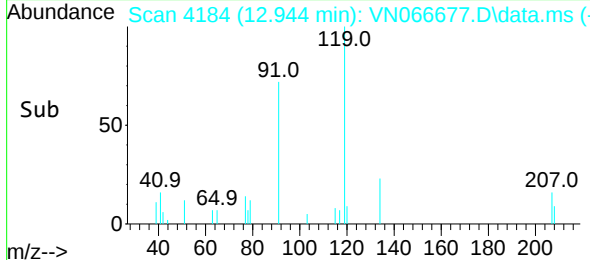
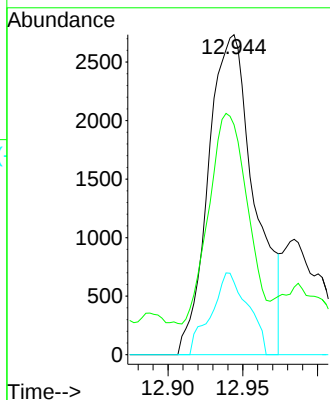
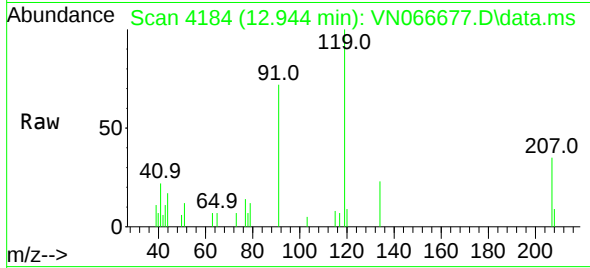




#79
tert-butylbenzene
Concen: 0.67 ug/l
RT: 12.944 min Scan# 4184
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

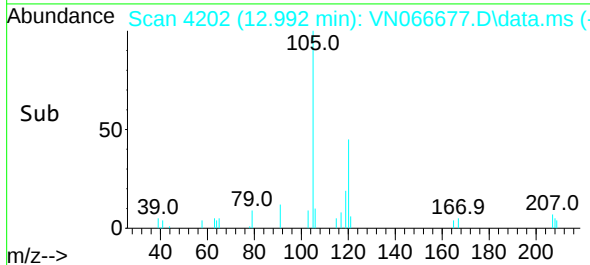
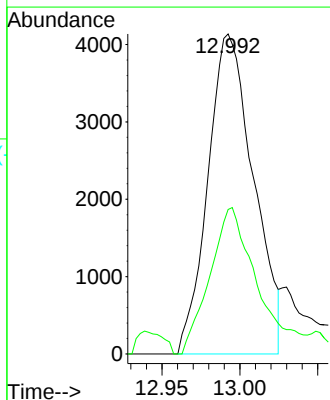
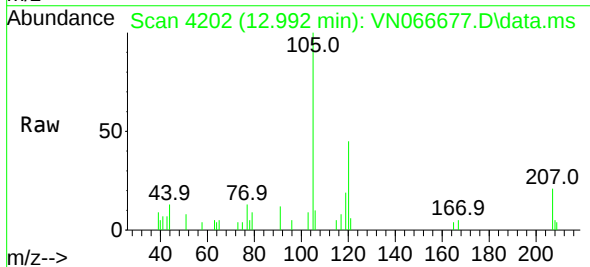
Instrument :
MSVOA_N
ClientSampleId :

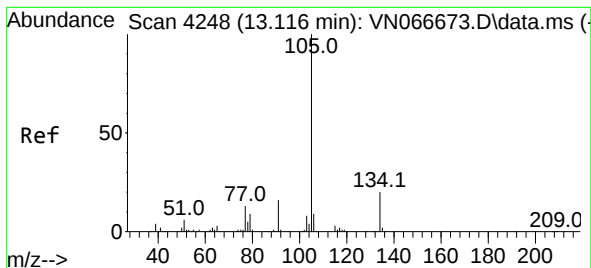
Tgt Ion:119 Resp: 5869
Ion Ratio Lower Upper
119 100
91 54.6 0.0 133.4
134 20.3 0.0 51.0



#80
1,2,4-Trimethylbenzene
Concen: 0.84 ug/l
RT: 12.992 min Scan# 4202
Delta R.T. 0.008 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:105 Resp: 8424
Ion Ratio Lower Upper
105 100
120 47.8 0.0 90.6

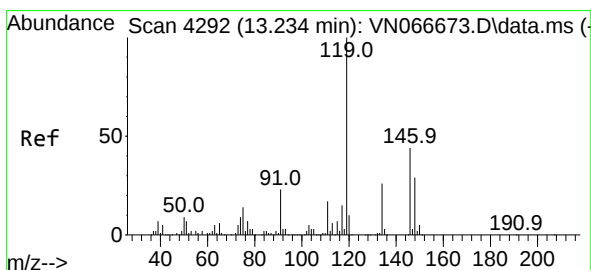
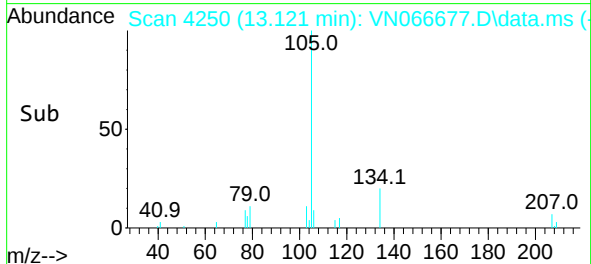
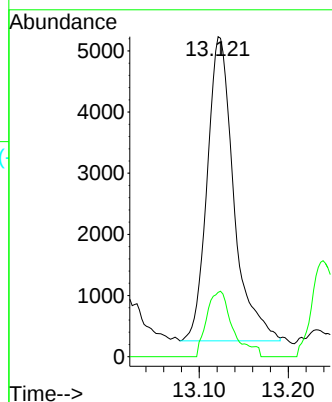
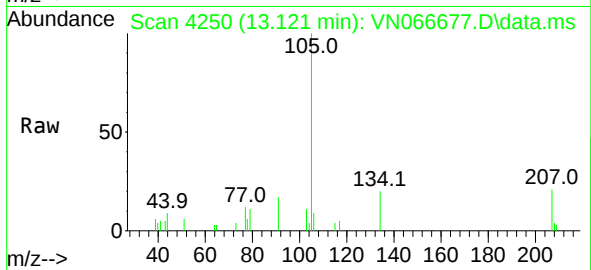




#81
 sec-Butylbenzene
 Concen: 0.89 ug/l
 RT: 13.121 min Scan# 4250
 Delta R.T. 0.005 min
 Lab File: VN066677.D
 Acq: 20 Apr 2021 12:41

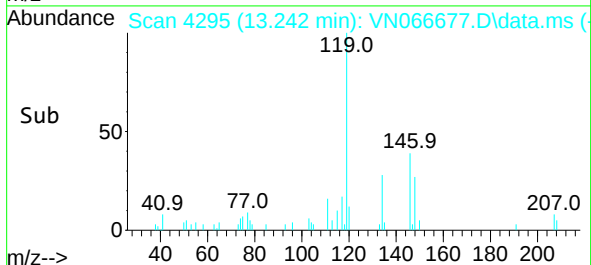
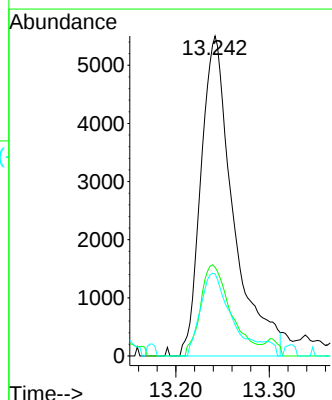
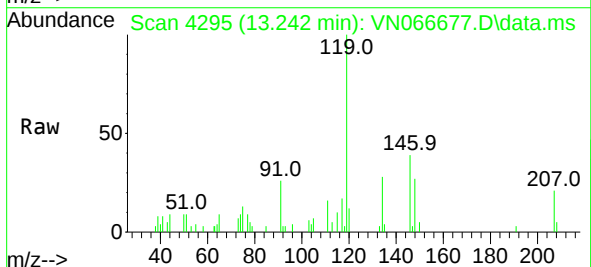
Instrument :
 MSVOA_N
 ClientSampleId :

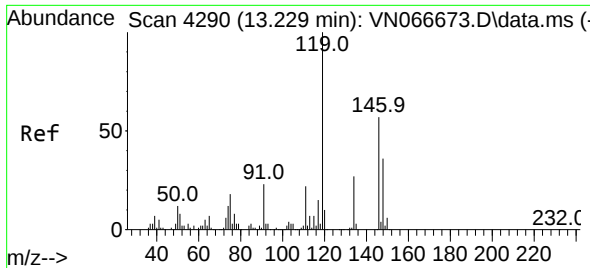
Tgt Ion:105 Resp: 10329
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 1.32 ug/l
 RT: 13.242 min Scan# 4295
 Delta R.T. 0.008 min
 Lab File: VN066677.D
 Acq: 20 Apr 2021 12:41

Tgt Ion:119 Resp: 13155
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.4
 91 23.1 0.0 47.6

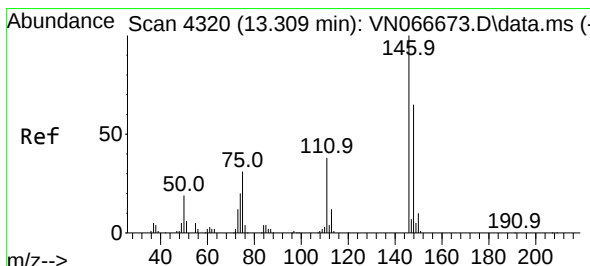
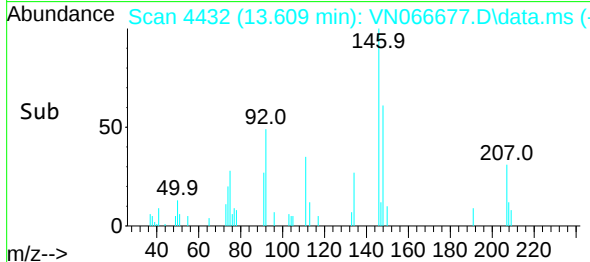
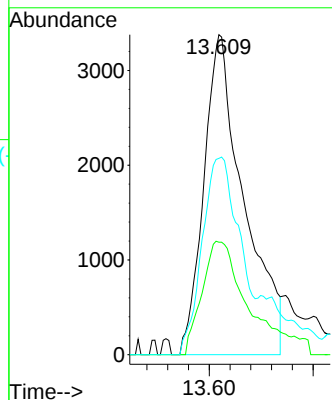
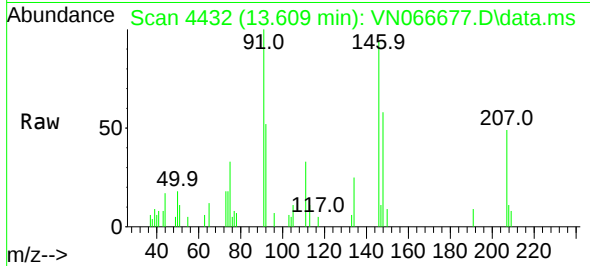




#83
1,3-Dichlorobenzene
Concen: 1.74 ug/l
RT: 13.609 min Scan# 4432
Delta R.T. 0.380 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

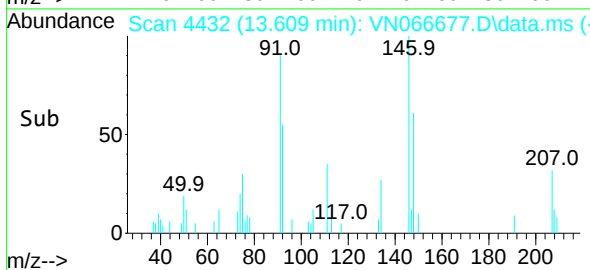
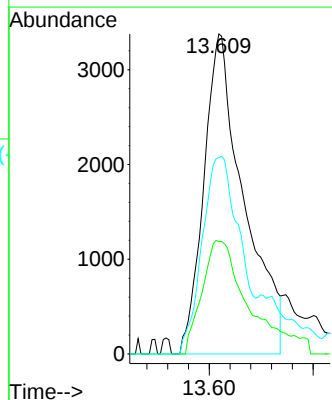
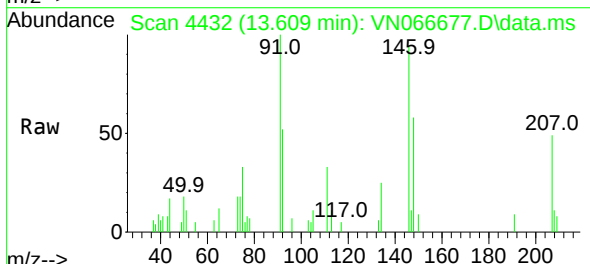
Instrument :
MSVOA_N
ClientSampleId :

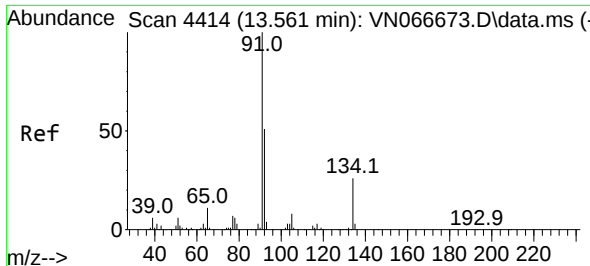
Tgt Ion:146 Resp: 9049
Ion Ratio Lower Upper
146 100
111 39.8 19.3 57.9
148 57.5 31.9 95.9



#84
1,4-Dichlorobenzene
Concen: 1.80 ug/l
RT: 13.609 min Scan# 4432
Delta R.T. 0.300 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:146 Resp: 9049
Ion Ratio Lower Upper
146 100
111 39.8 18.4 55.0
148 57.5 31.9 95.5

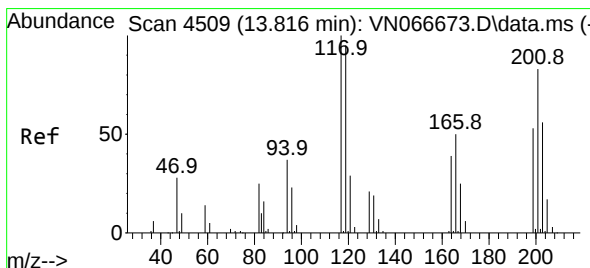
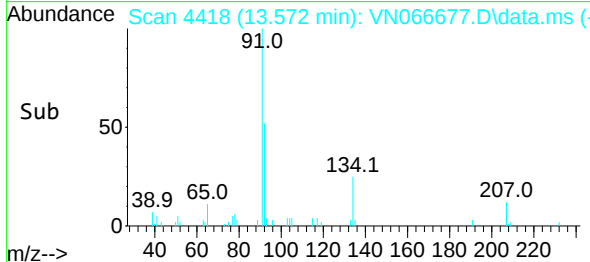
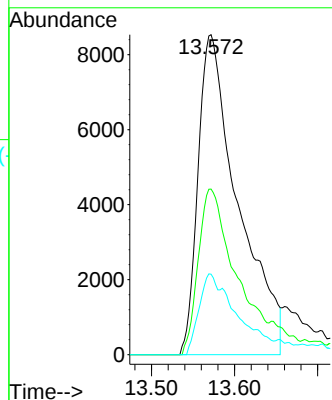
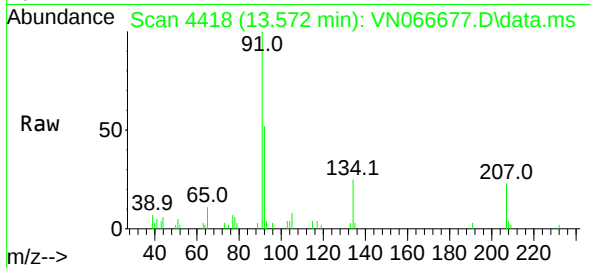




#85
n-Butylbenzene
Concen: 3.44 ug/l
RT: 13.572 min Scan# 4418
Delta R.T. 0.011 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

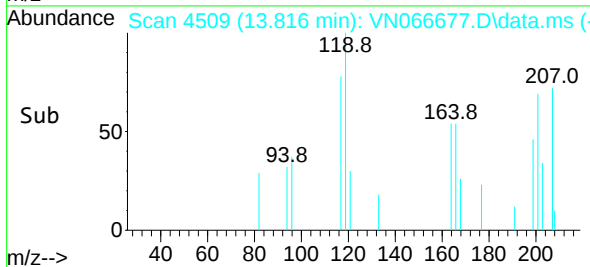
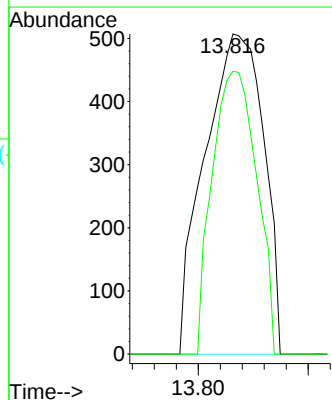
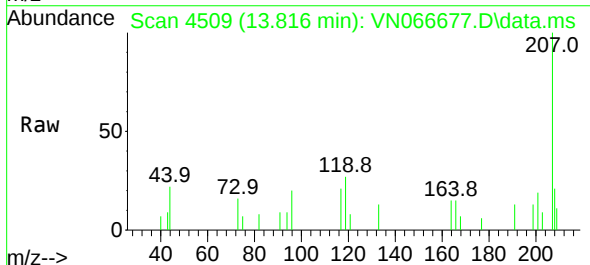
Instrument :
MSVOA_N
ClientSampleId :

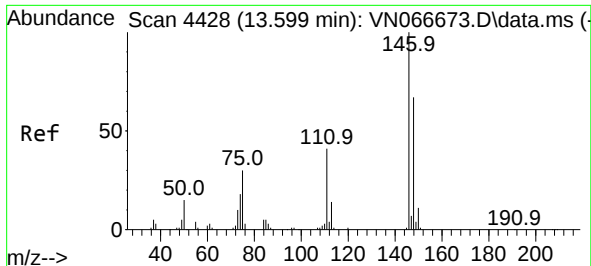
Tgt Ion: 91 Resp: 28529
Ion Ratio Lower Upper
91 100
92 48.6 0.0 102.6
134 11.2 0.0 49.0



#86
Hexachloroethane
Concen: 0.45 ug/l
RT: 13.816 min Scan# 4509
Delta R.T. -0.000 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion: 117 Resp: 942
Ion Ratio Lower Upper
117 100
201 66.7 43.3 129.8





#87

1,2-Dichlorobenzene

Concen: 1.77 ug/l

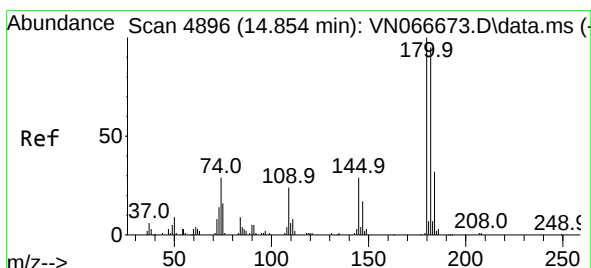
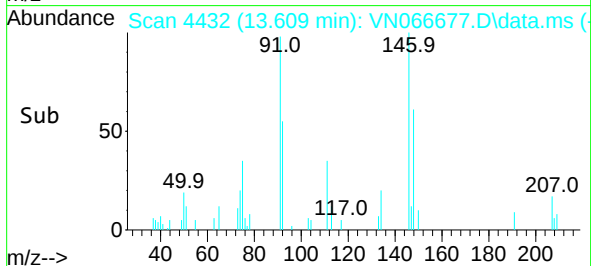
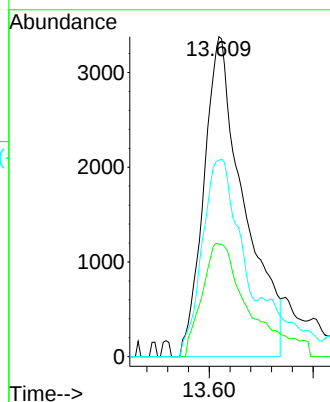
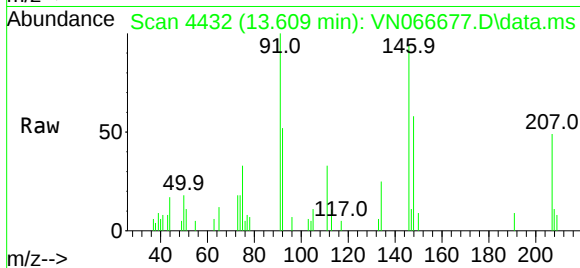
RT: 13.609 min Scan# 4432

Delta R.T. 0.010 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion:	146	Resp:	9049
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.3	60.9
148	57.5	32.0	96.0



#89

1,2,4-Trichlorobenzene

Concen: 9.03 ug/l

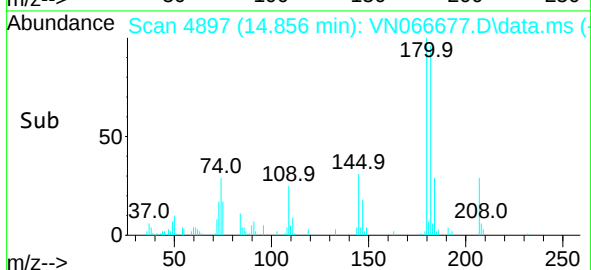
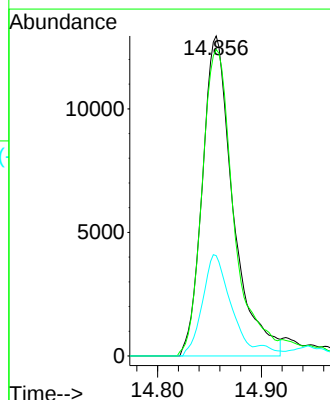
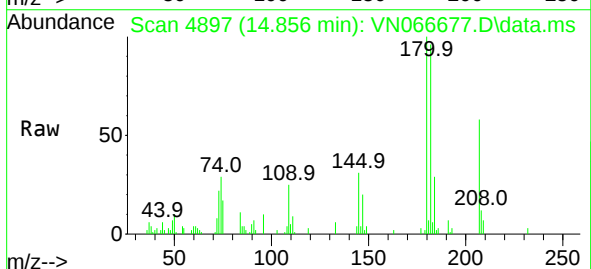
RT: 14.856 min Scan# 4897

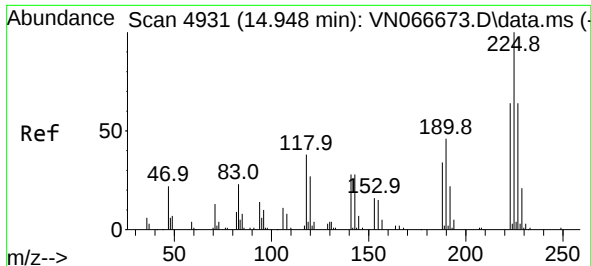
Delta R.T. 0.002 min

Lab File: VN066677.D

Acq: 20 Apr 2021 12:41

Tgt Ion:	180	Resp:	26665
Ion Ratio	Lower	Upper	
180	100		
182	98.2	74.3	111.5
145	28.6	23.4	35.0

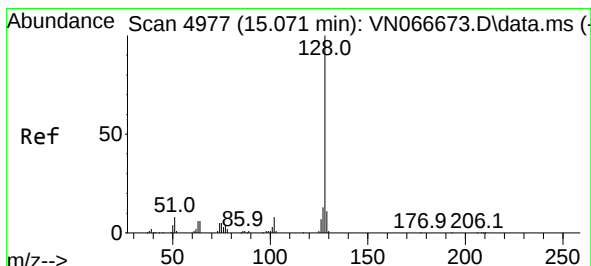
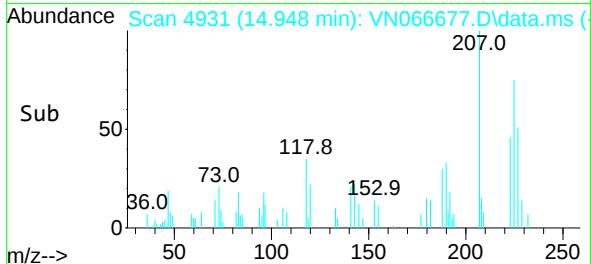
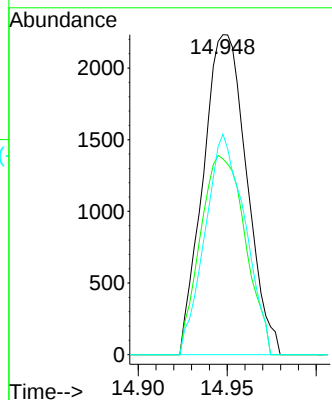
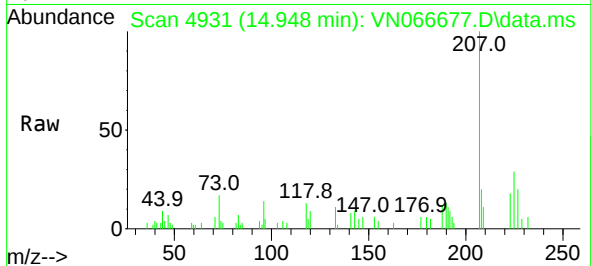




#90
Hexachlorobutadiene
Concen: 2.30 ug/l
RT: 14.948 min Scan# 4931
Delta R.T. -0.000 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

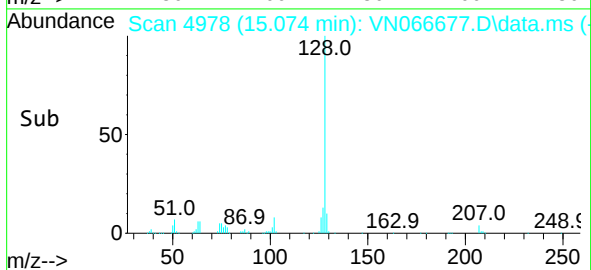
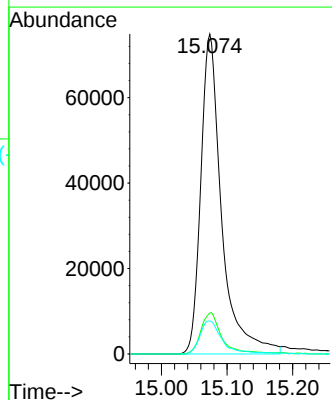
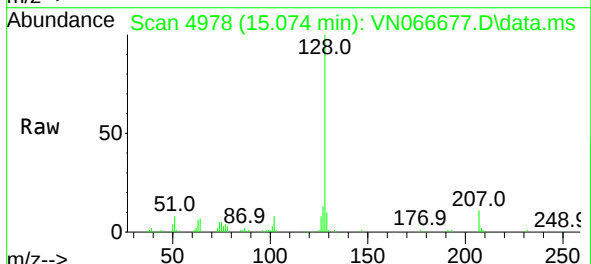
Instrument :
MSVOA_N
ClientSampleId :

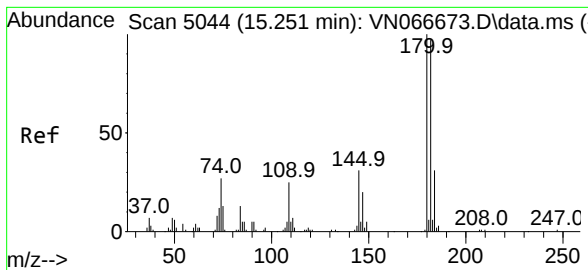
Tgt Ion:225 Resp: 3801
Ion Ratio Lower Upper
225 100
223 64.1 0.0 124.6
227 63.1 0.0 126.6



#91
Naphthalene
Concen: 23.28 ug/l
RT: 15.074 min Scan# 4978
Delta R.T. 0.003 min
Lab File: VN066677.D
Acq: 20 Apr 2021 12:41

Tgt Ion:128 Resp: 165194
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 10.4 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 12.55 ug/l
 RT: 15.251 min Scan# 5044
 Delta R.T. -0.000 min
 Lab File: VN066677.D
 Acq: 20 Apr 2021 12:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 35016
 Ion Ratio Lower Upper
 180 100
 182 95.1 0.0 190.0
 145 31.7 0.0 60.8

