

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066712.D
 Acq On : 22 Apr 2021 14:16
 Operator : JC/MD
 Sample : M2134-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:30:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

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

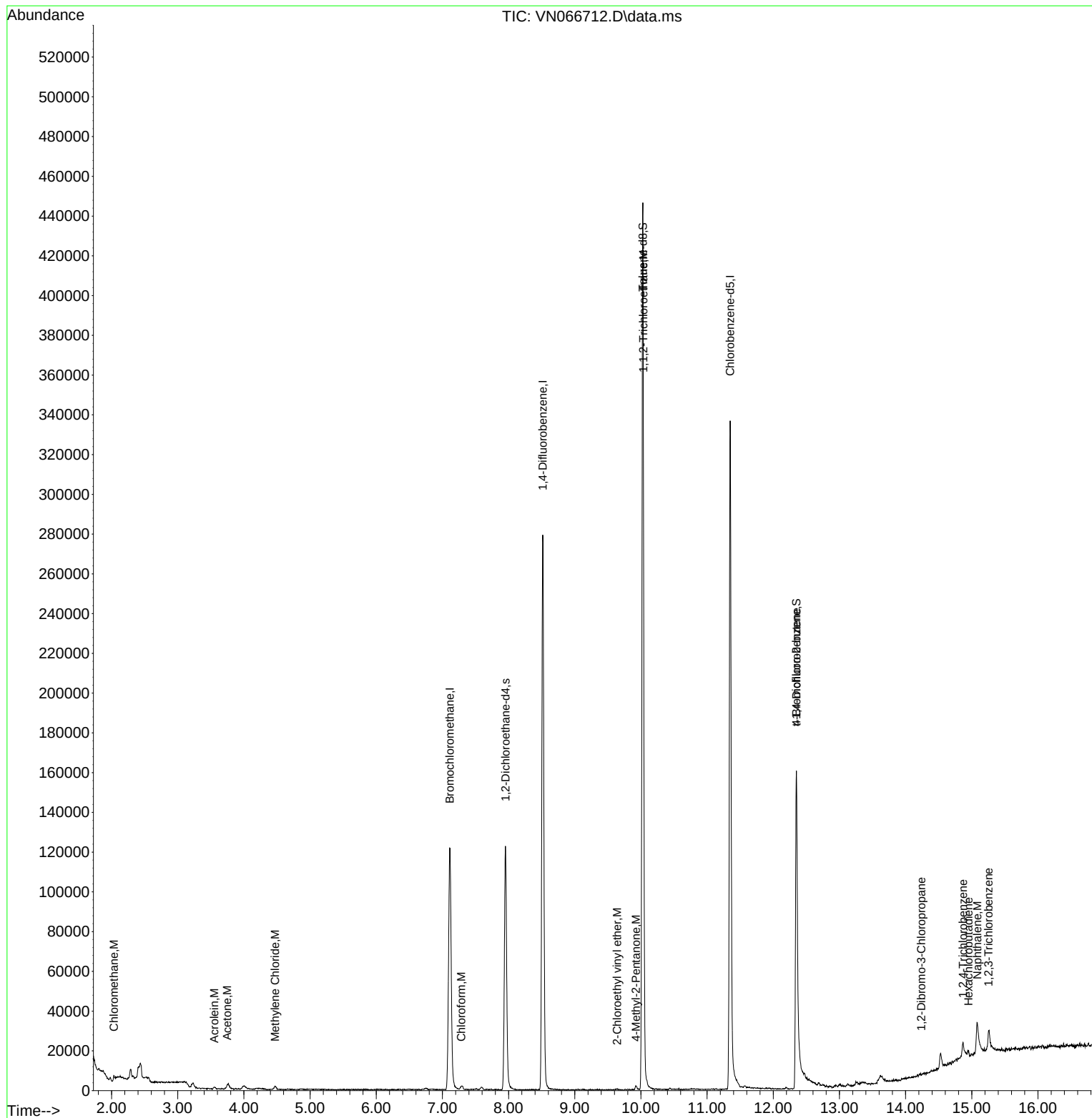
Internal Standards						
1) Bromochloromethane	7.114	128	50213	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.516	114	263531	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	218384	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	106734	29.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.33%
60) 4-Bromofluorobenzene	12.349	95	74882	21.88	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	72.93%
63) Toluene-d8	10.029	98	316847	31.53	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.10%
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	1557	0.40	ug/l	94
13) Acrolein	3.552	56	961	1.91	ug/l #	26
15) Acetone	3.748	58	179	0.44	ug/l #	59
18) Methylene Chloride	4.472	84	1132	0.34	ug/l #	80
25) Chloroform	7.285	83	1339	0.24	ug/l	91
50) 1,1,2-Trichloroethane	10.037	97	11369	3.53	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.640	63	277	0.40	ug/l #	45
58) 4-Methyl-2-Pentanone	9.924	43	2002	0.54	ug/l #	76
77) t-1,4-Dichloro-2-butene	12.349	75	34925	30.55	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	14.237	75	166	0.23	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.867	180	3980	1.33	ug/l #	83
90) Hexachlorobutadiene	14.950	225	557	0.33	ug/l	65
91) Naphthalene	15.084	128	22741	3.15	ug/l #	89
92) 1,2,3-Trichlorobenzene	15.253	180	6236	2.20	ug/l	86

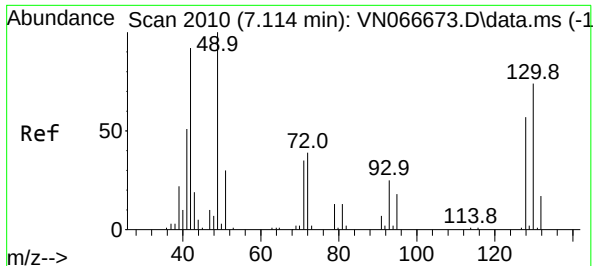
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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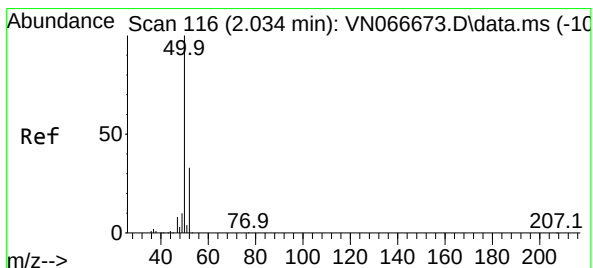
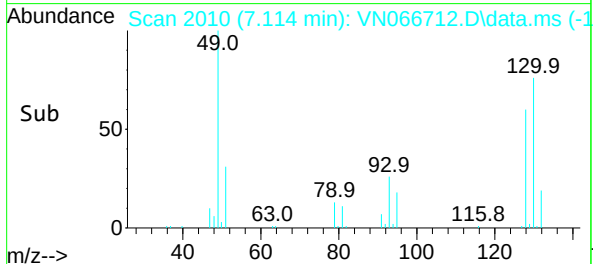
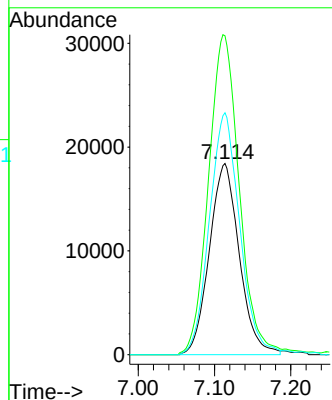
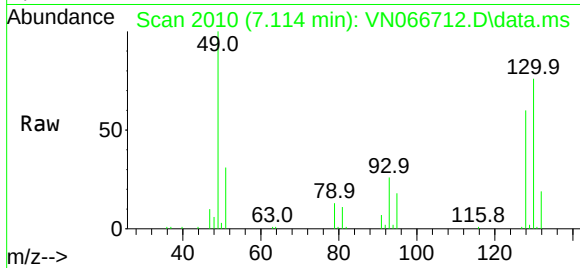




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.114 min Scan# 2010
Delta R.T. -0.000 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

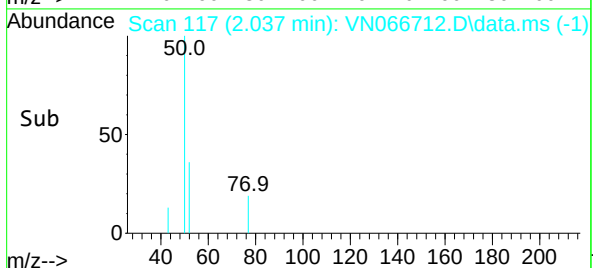
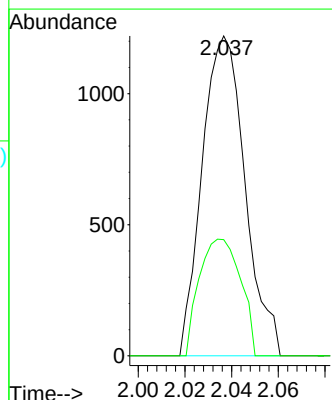
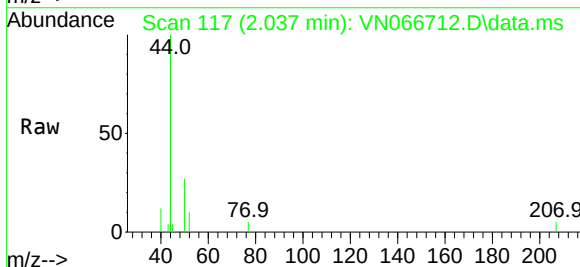
Instrument :
MSVOA_N
ClientSampled :

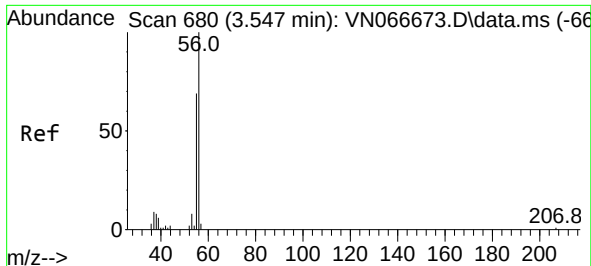
Tgt Ion:128 Resp: 50213
Ion Ratio Lower Upper
128 100
49 170.9 0.0 429.3
130 128.8 0.0 328.5



#3
Chloromethane
Concen: 0.40 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

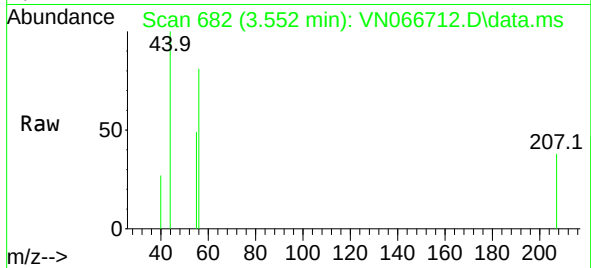
Tgt Ion: 50 Resp: 1557
Ion Ratio Lower Upper
50 100
52 36.3 26.2 39.4



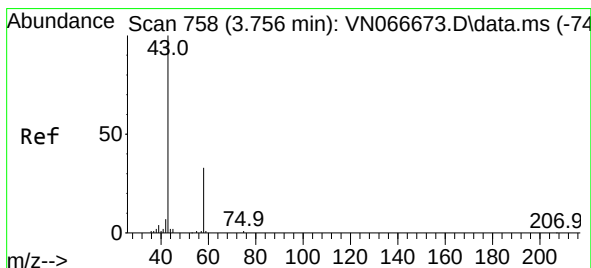
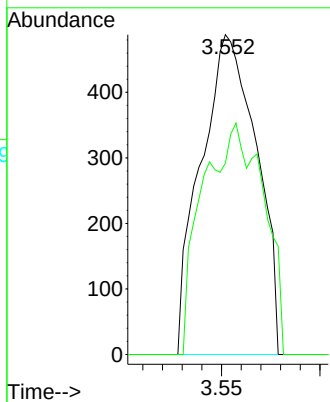
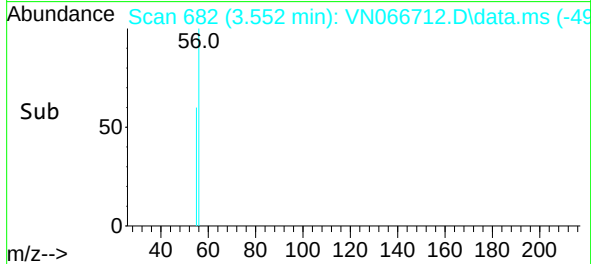


#13
Acrolein
Concen: 1.91 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

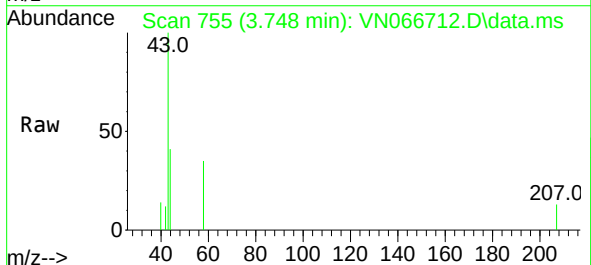
Instrument :
MSVOA_N
ClientSampled :



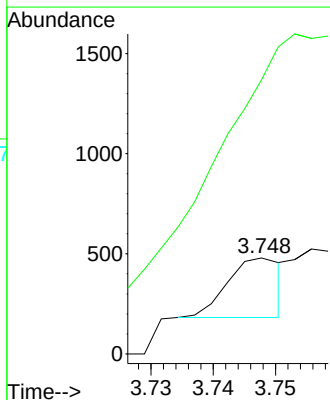
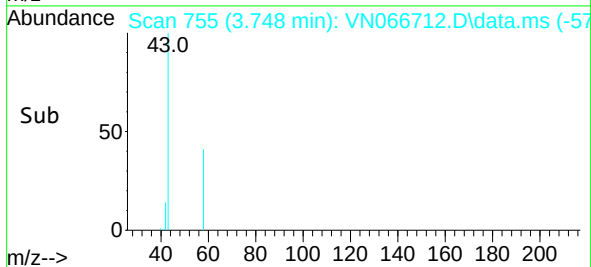
Tgt Ion: 56 Resp: 961
Ion Ratio Lower Upper
56 100
55 7.9 54.1 81.1#

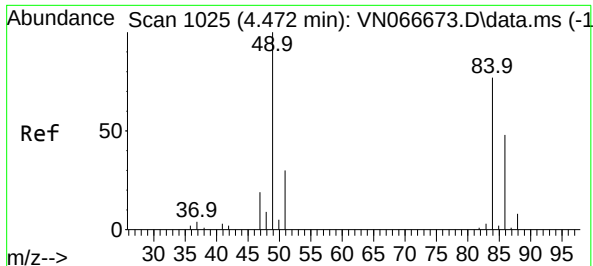


#15
Acetone
Concen: 0.44 ug/l
RT: 3.748 min Scan# 755
Delta R.T. -0.008 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16



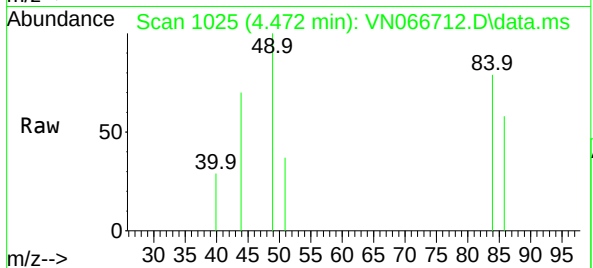
Tgt Ion: 58 Resp: 179
Ion Ratio Lower Upper
58 100
43 247.5 267.3 400.9#



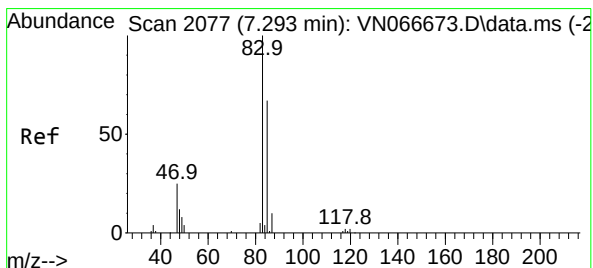
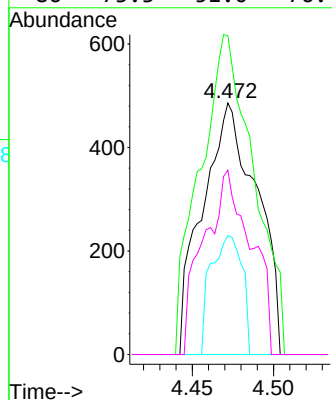


#18
Methylene Chloride
Concen: 0.34 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

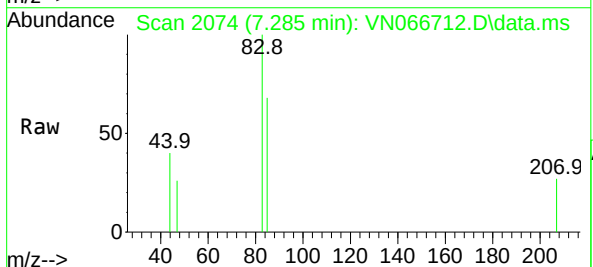
Instrument :
MSVOA_N
ClientSampled :



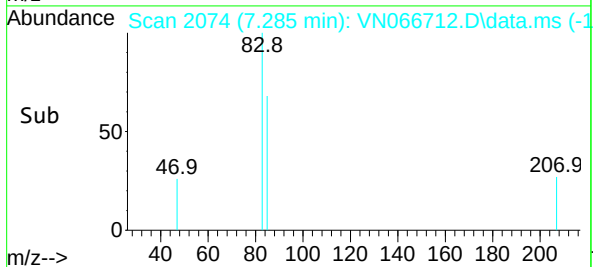
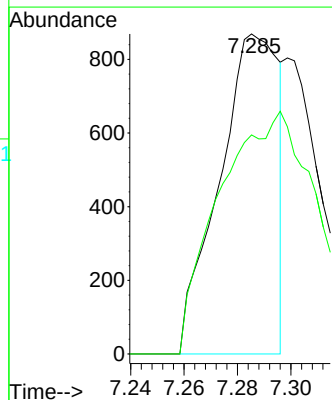
Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.0	98.9	148.3#
51	47.3	30.8	46.2#
86	73.3	51.0	76.4

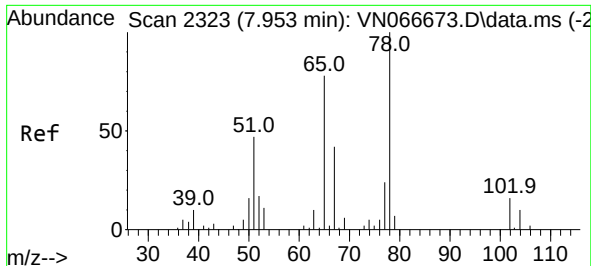


#25
Chloroform
Concen: 0.24 ug/l
RT: 7.285 min Scan# 2074
Delta R.T. -0.008 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16



Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	49.4	74.2





#27

1,2-Dichloroethane-d4

Concen: 29.50 ug/l

RT: 7.953 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VN066712.D

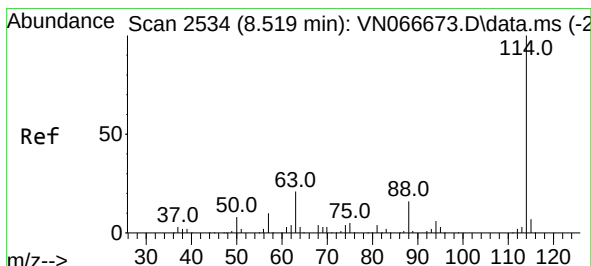
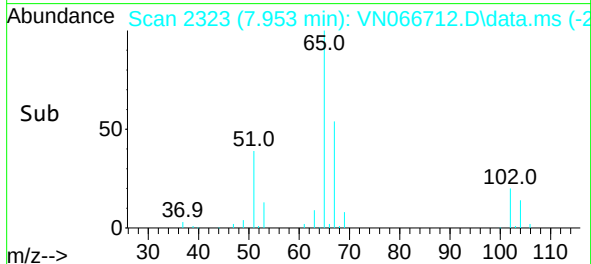
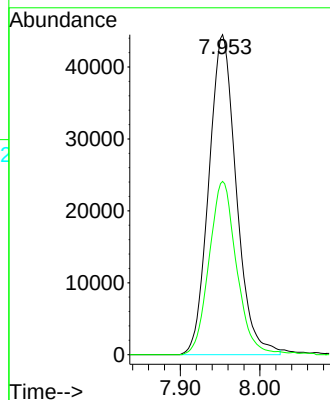
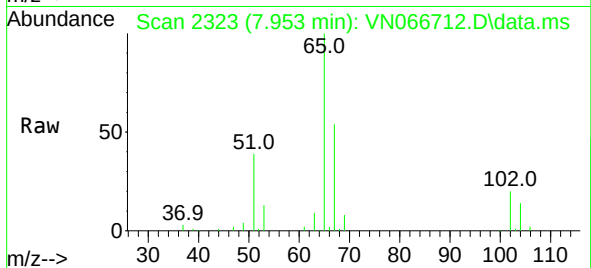
Acq: 22 Apr 2021 14:16

Tgt Ion: 65 Resp: 106734

Ion Ratio Lower Upper

65 100

67 53.9 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.516 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VN066712.D

Acq: 22 Apr 2021 14:16

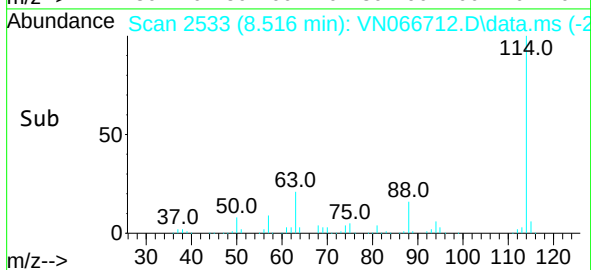
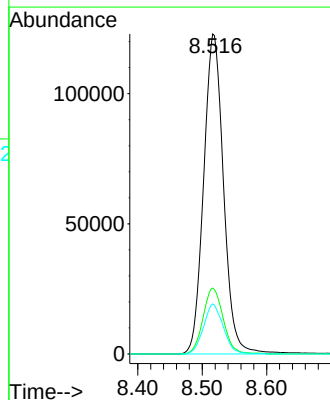
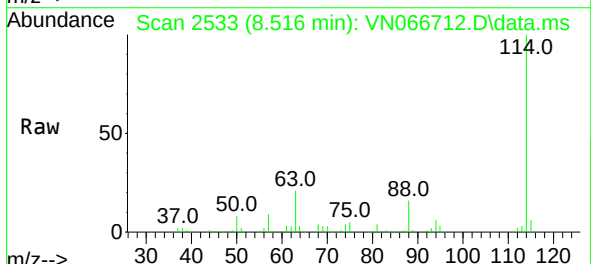
Tgt Ion: 114 Resp: 263531

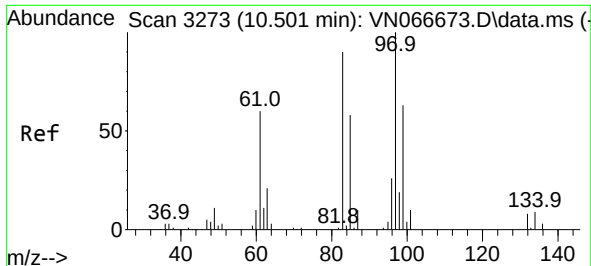
Ion Ratio Lower Upper

114 100

63 20.8 17.4 26.0

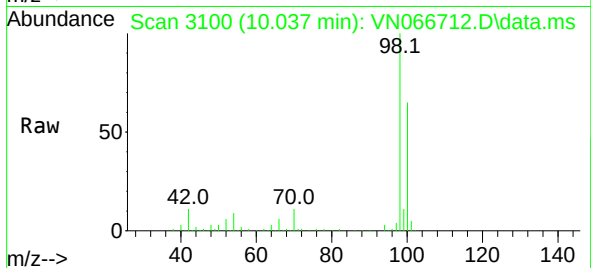
88 15.5 12.6 19.0



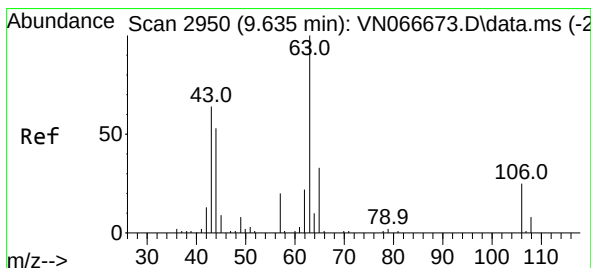
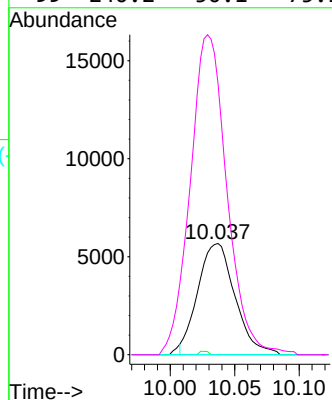
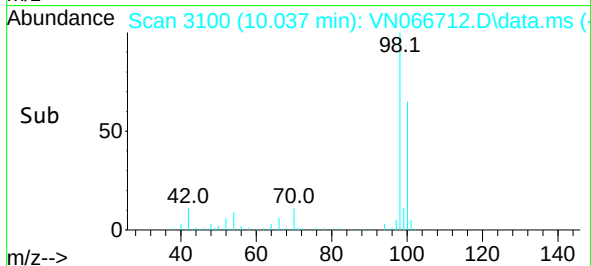


#50
1,1,2-Trichloroethane
Concen: 3.53 ug/l
RT: 10.037 min Scan# 3100
Delta R.T. -0.464 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

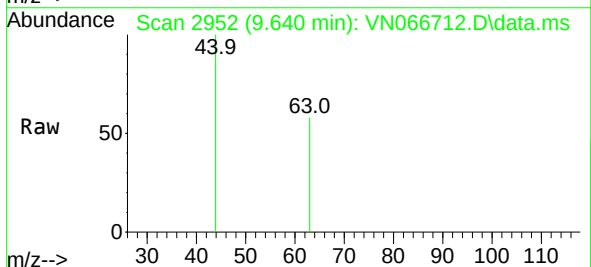
Instrument :
MSVOA_N
ClientSampleId :



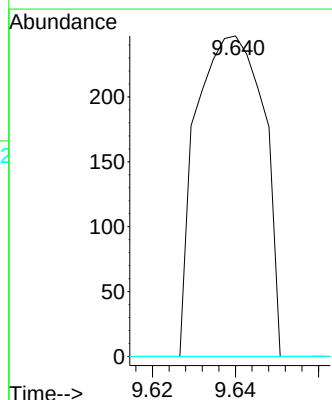
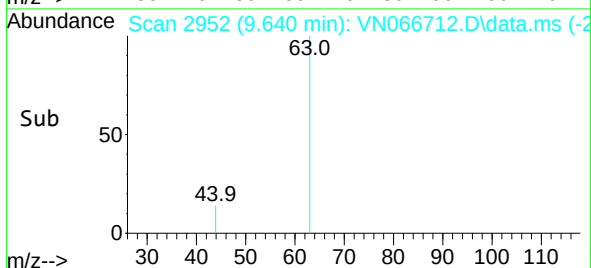
Tgt Ion:	97	Resp:	11369
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.8	103.2#
85	0.0	44.8	67.2#
99	240.2	50.1	75.1#

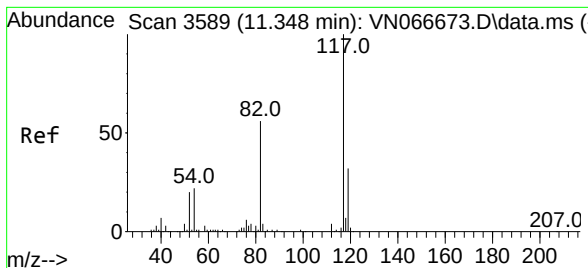


#55
2-Chloroethyl vinyl ether
Concen: 0.40 ug/l
RT: 9.640 min Scan# 2952
Delta R.T. 0.005 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16



Tgt Ion:	63	Resp:	277
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.0	39.0#
106	0.0	20.6	31.0#

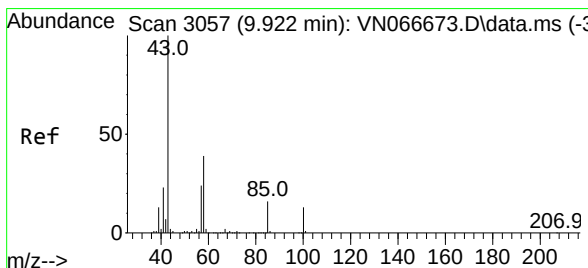
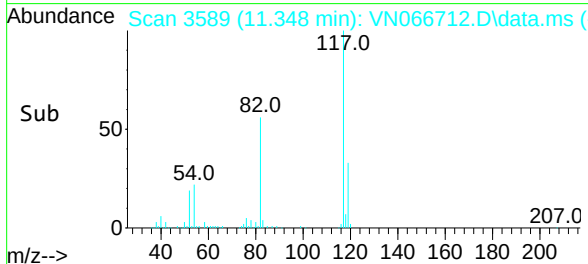
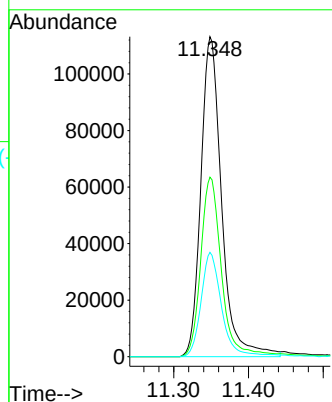
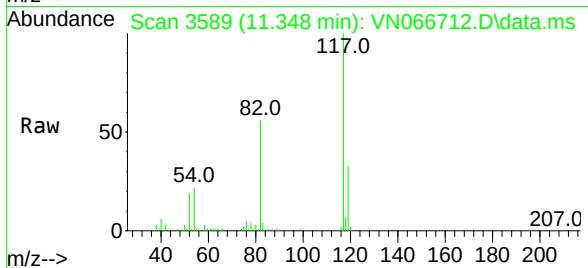




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

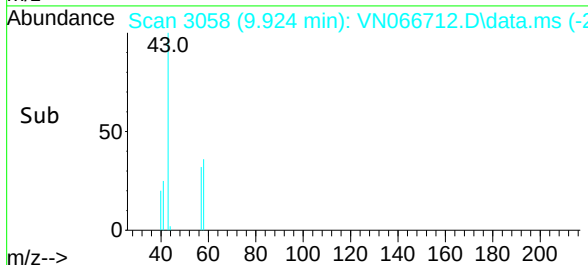
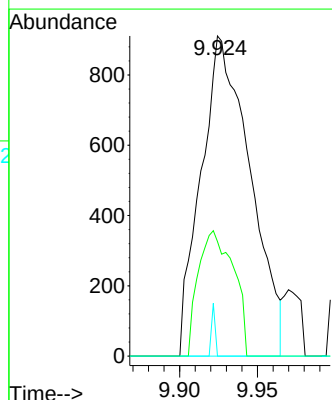
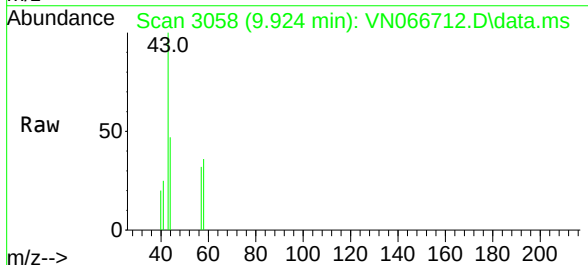
Instrument :
MSVOA_N
ClientSampleId :

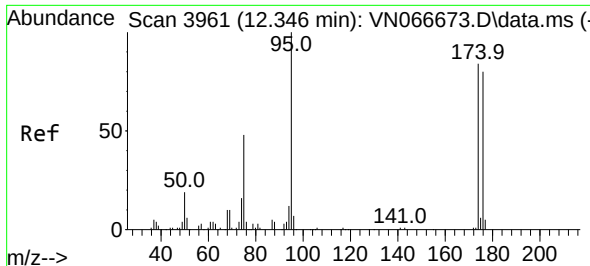
Tgt Ion: 117 Resp: 218384
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 31.8 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.54 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
58 28.0 30.4 45.6#
85 0.0 13.8 20.8#

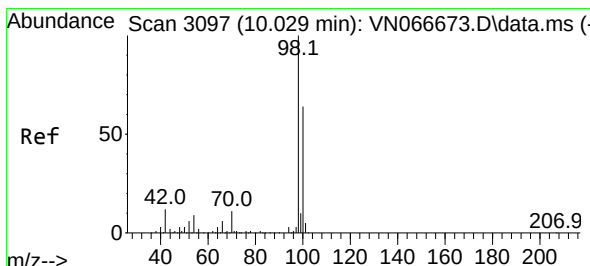
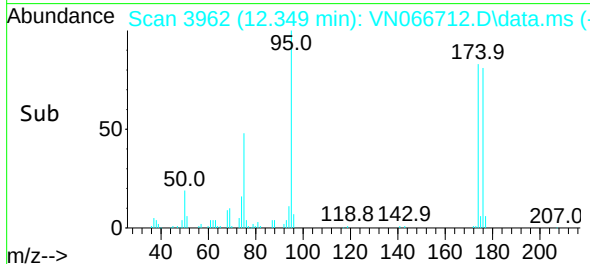
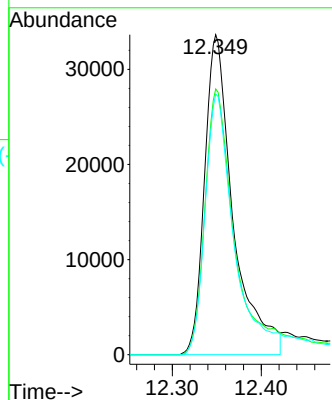
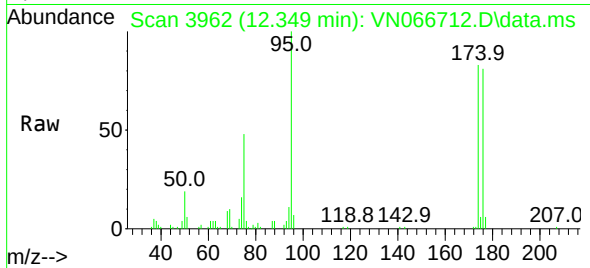




#60
4-Bromofluorobenzene
Concen: 21.88 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

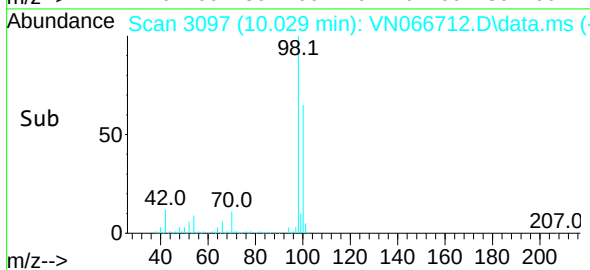
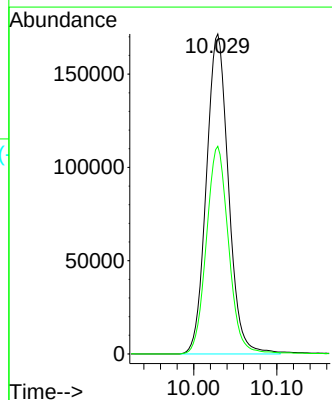
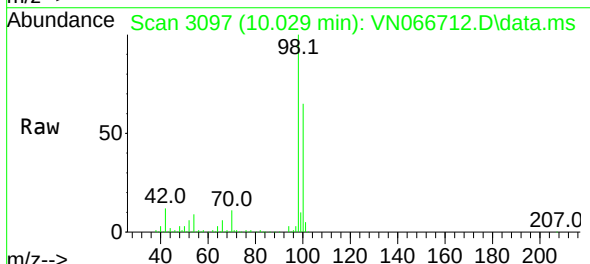
Instrument :
MSVOA_N
ClientSampleId :

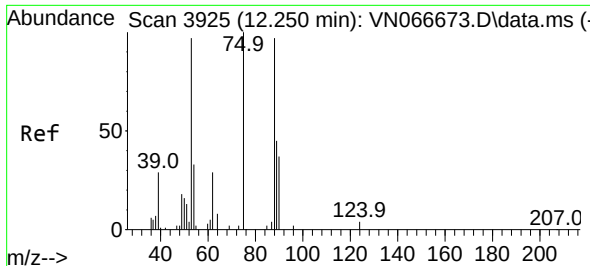
Tgt Ion: 95 Resp: 74882
Ion Ratio Lower Upper
95 100
174 83.0 68.1 102.1
176 81.4 65.4 98.0



#63
Toluene-d8
Concen: 31.53 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Tgt Ion: 98 Resp: 316847
Ion Ratio Lower Upper
98 100
100 65.1 51.1 76.7

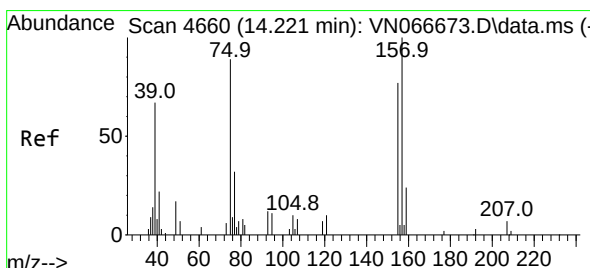
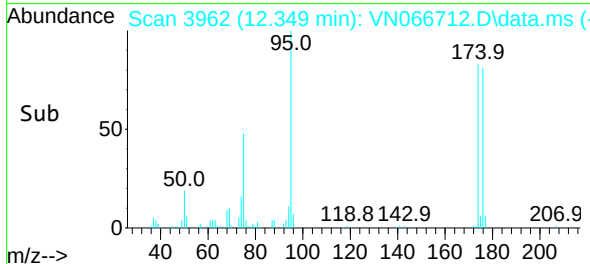
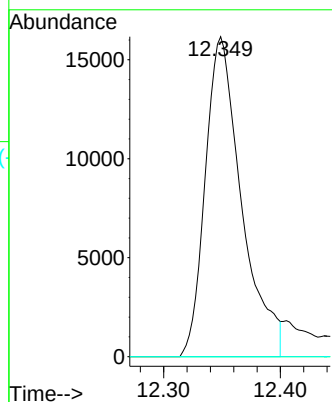
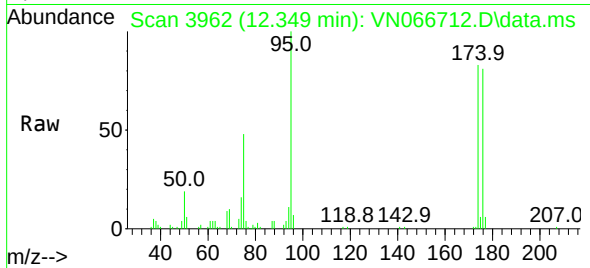




#77
t-1,4-Dichloro-2-butene
Concen: 30.55 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

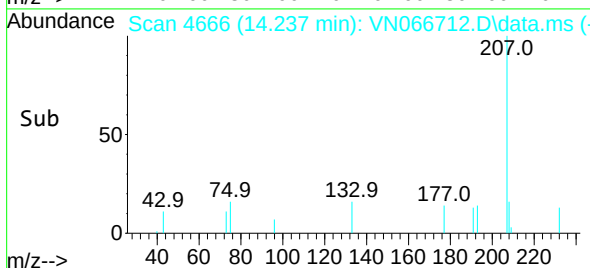
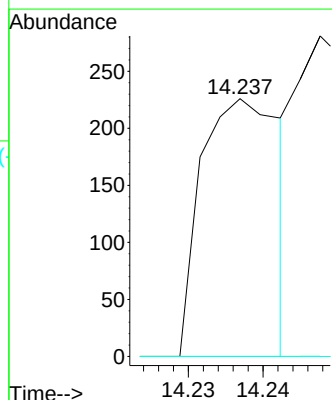
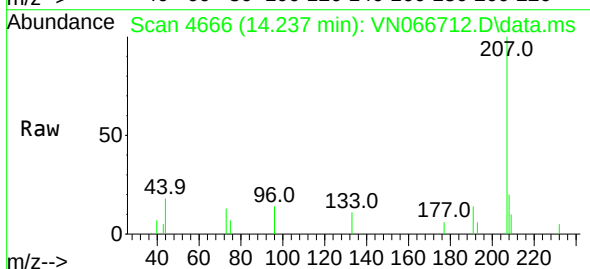
Instrument :
MSVOA_N
ClientSampleId :

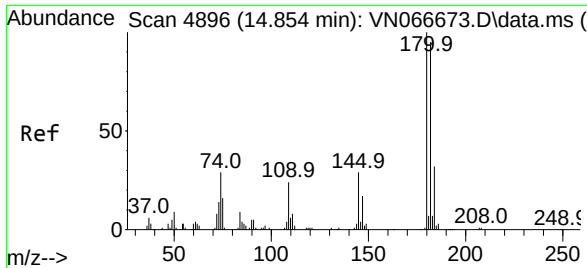
Tgt Ion: 75 Resp: 34925
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.23 ug/l
RT: 14.237 min Scan# 4666
Delta R.T. 0.016 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
155 0.0 68.3 102.5#
157 0.0 87.8 131.6#

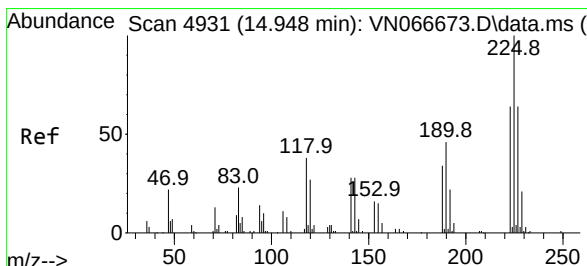
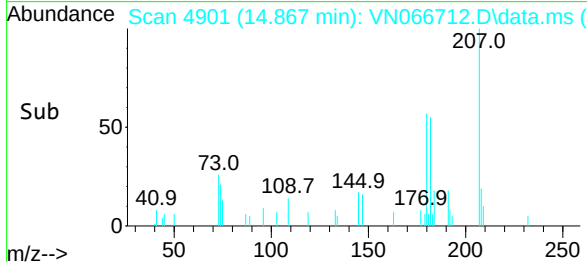
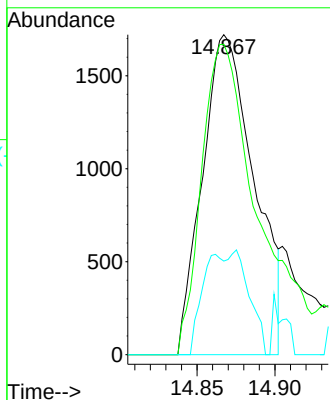
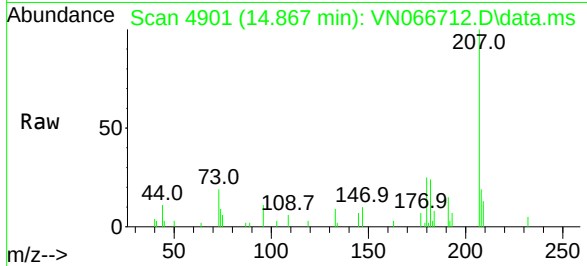




#89
1,2,4-Trichlorobenzene
Concen: 1.33 ug/l
RT: 14.867 min Scan# 4901
Delta R.T. 0.013 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

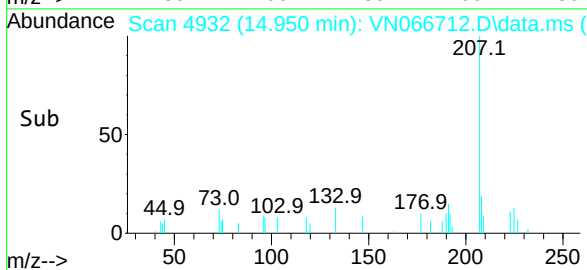
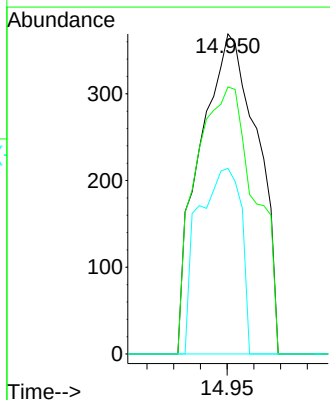
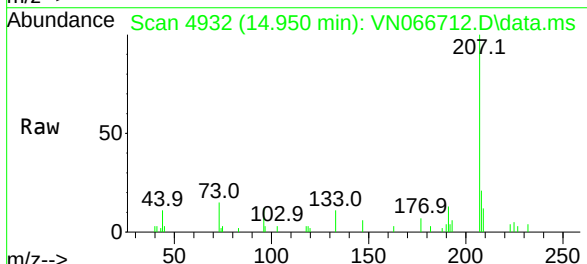
Instrument :
MSVOA_N
ClientSampleId :

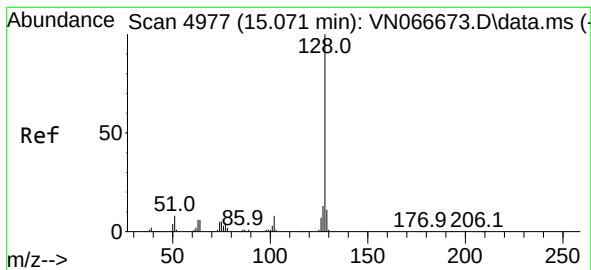
Tgt Ion:180 Resp: 3980
Ion Ratio Lower Upper
180 100
182 105.4 74.3 111.5
145 13.7 23.4 35.0#



#90
Hexachlorobutadiene
Concen: 0.33 ug/l
RT: 14.950 min Scan# 4932
Delta R.T. 0.002 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Tgt Ion:225 Resp: 557
Ion Ratio Lower Upper
225 100
223 81.5 0.0 124.6
227 28.4 0.0 126.6

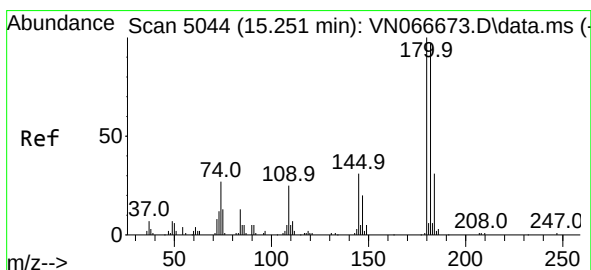
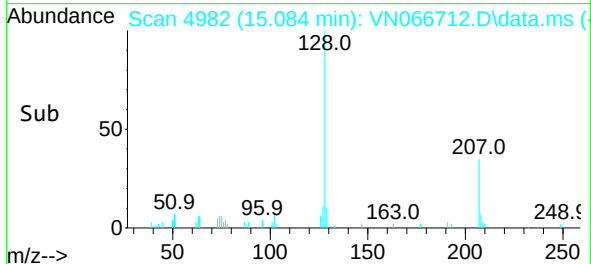
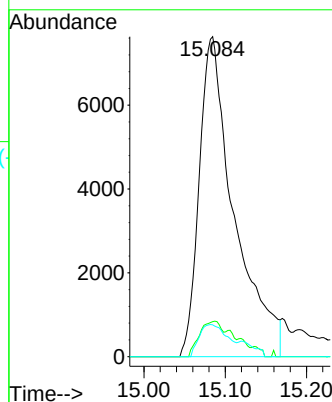
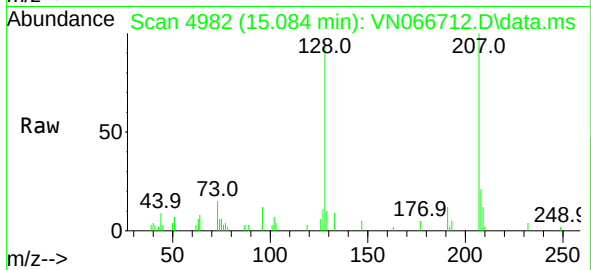




#91
Naphthalene
Concen: 3.15 ug/l
RT: 15.084 min Scan# 4982
Delta R.T. 0.013 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 22741
Ion Ratio Lower Upper
128 100
127 7.1 10.2 15.2#
129 8.1 8.6 13.0#



#92
1,2,3-Trichlorobenzene
Concen: 2.20 ug/l
RT: 15.253 min Scan# 5045
Delta R.T. 0.002 min
Lab File: VN066712.D
Acq: 22 Apr 2021 14:16

Tgt Ion:180 Resp: 6236
Ion Ratio Lower Upper
180 100
182 88.3 0.0 190.0
145 10.4 0.0 60.8

