

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066732.D
 Acq On : 23 Apr 2021 12:56
 Operator : JC/MD
 Sample : VN0423WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 03:19:46 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)

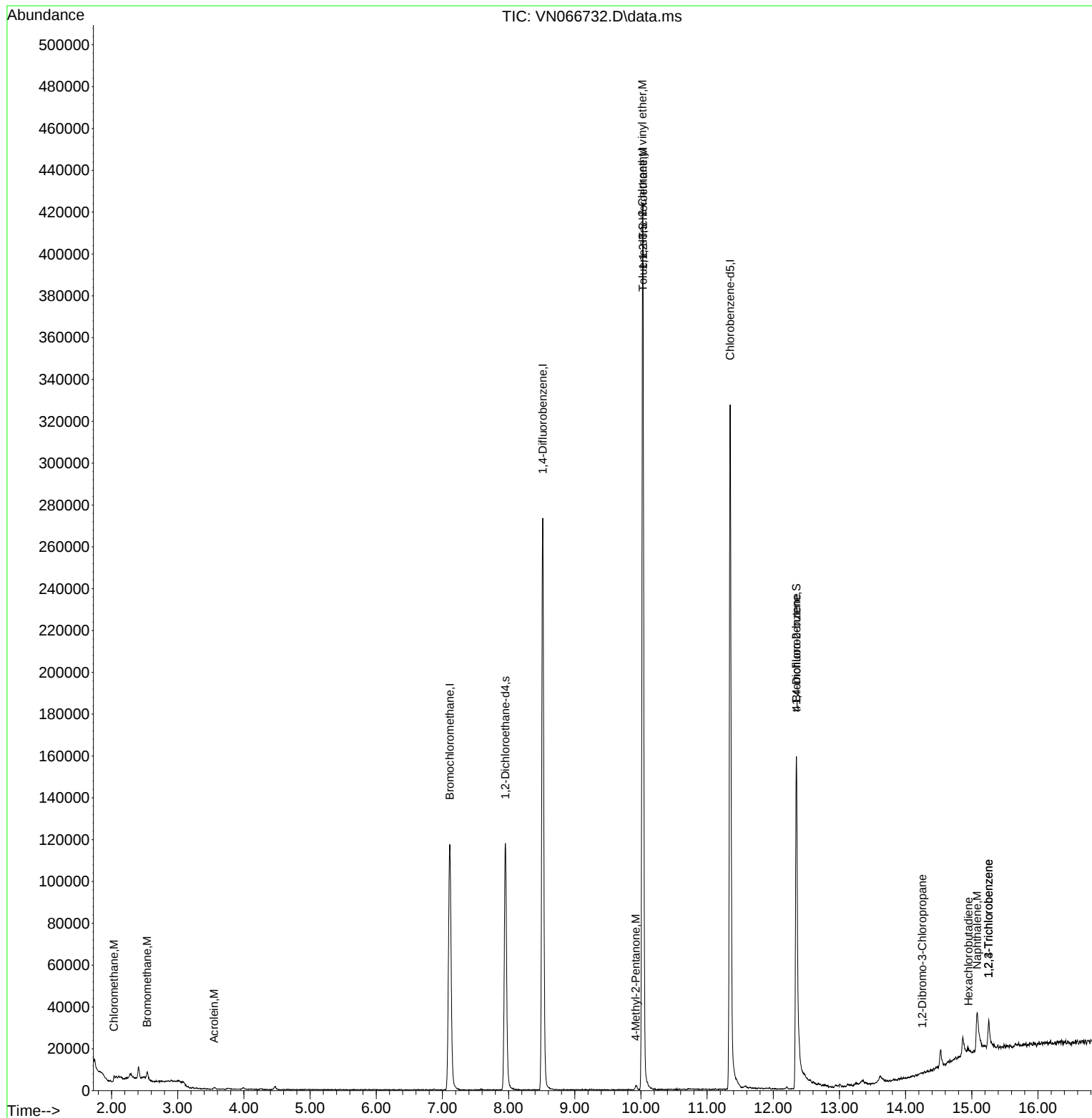
Internal Standards						
1) Bromochloromethane	7.111	128	49349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.516	114	258070	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	217090	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.950	65	104995	29.53	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.349	95	73176	21.51	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.70%
63) Toluene-d8	10.029	98	308715	30.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.03%
Target Compounds						
						Qvalue
3) Chloromethane	2.037	50	1039	0.27	ug/l #	82
5) Bromomethane	2.538	94	2142	1.01	ug/l	85
13) Acrolein	3.549	56	646	1.31	ug/l #	54
50) 1,1,2-Trichloroethane	10.034	97	11228	3.56	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.023	63	146	0.21	ug/l #	1
58) 4-Methyl-2-Pentanone	9.922	43	1139	0.31	ug/l #	86
77) t-1,4-Dichloro-2-butene	12.349	75	36193	31.85	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	14.250	75	222	0.31	ug/l #	19
89) 1,2,4-Trichlorobenzene	15.253	180	6538	2.19	ug/l	96
90) Hexachlorobutadiene	14.950	225	625	0.37	ug/l	87
91) Naphthalene	15.079	128	25953	3.62	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.253	180	6538	2.32	ug/l	94

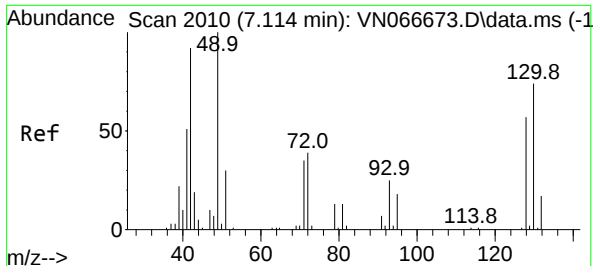
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
Data File : VN066732.D
Acq On : 23 Apr 2021 12:56
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Sample : VN0423WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 26 03:19:46 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

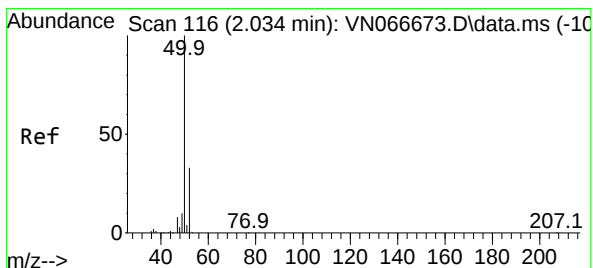
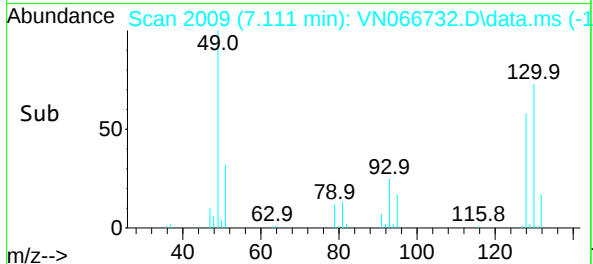
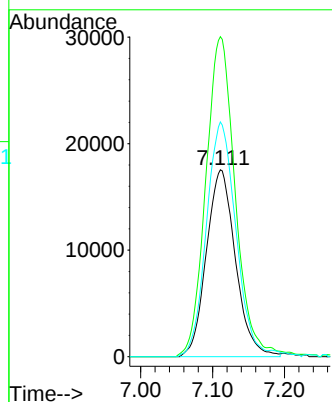
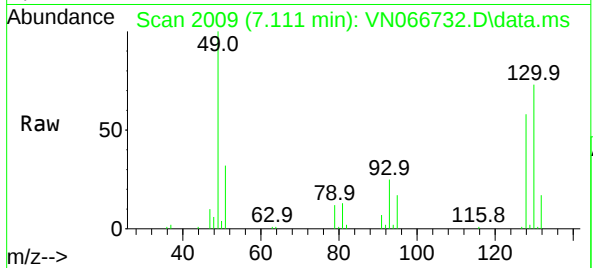




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.111 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

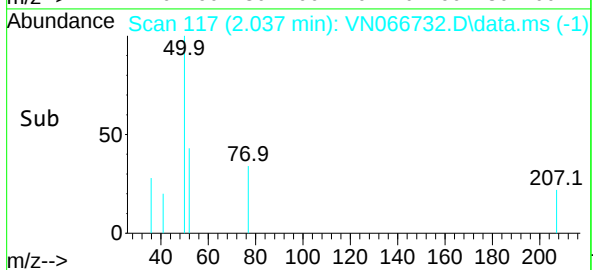
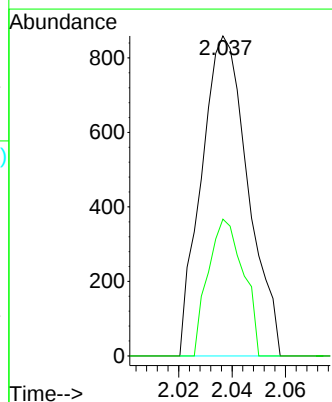
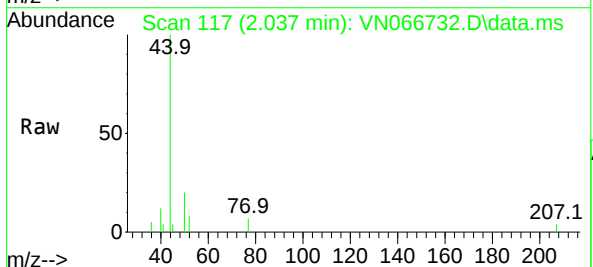
Instrument :
MSVOA_N
ClientSampled :

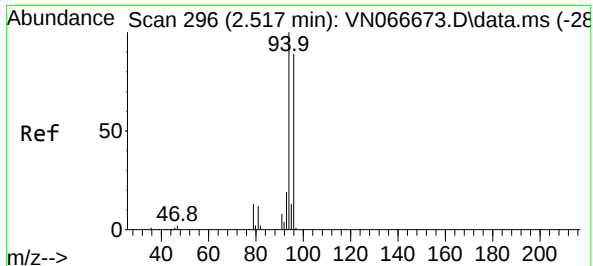
Tgt Ion:128 Resp: 49349
Ion Ratio Lower Upper
128 100
49 170.6 0.0 429.3
130 126.5 0.0 328.5



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 42.7 26.2 39.4#

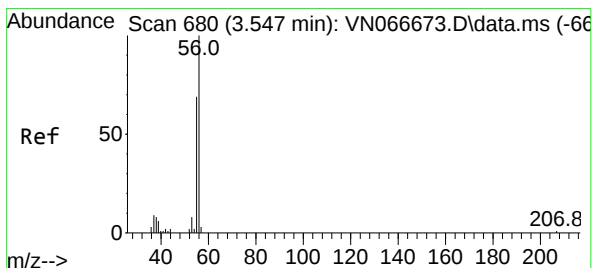
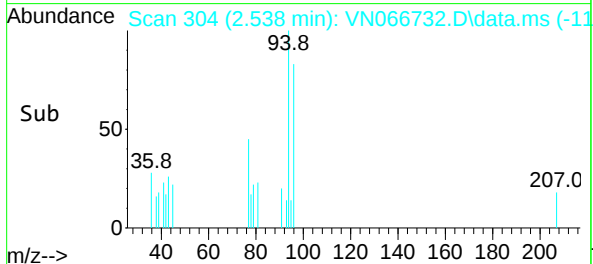
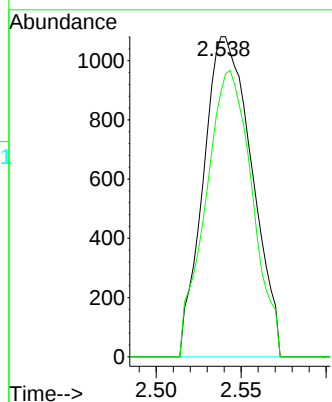
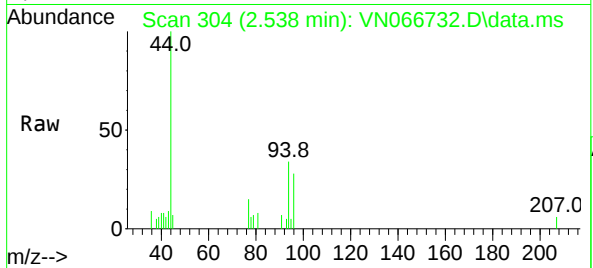




#5
Bromomethane
Concen: 1.01 ug/l
RT: 2.538 min Scan# 304
Delta R.T. 0.021 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

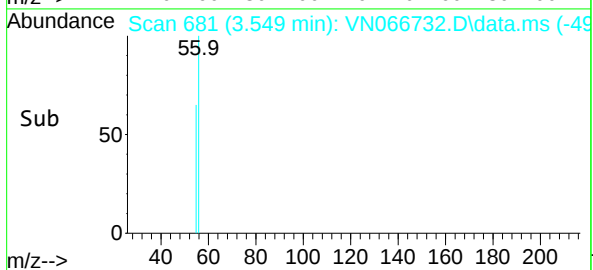
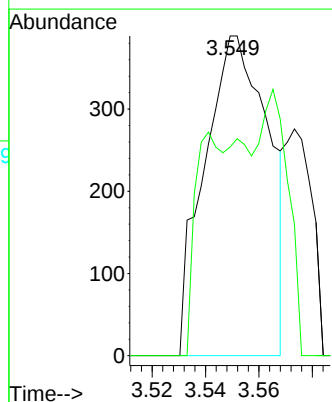
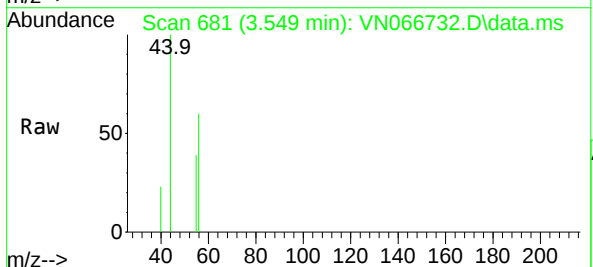
Instrument :
MSVOA_N
ClientSampleId :

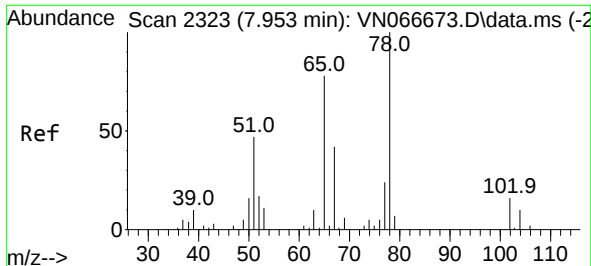
Tgt Ion: 94 Resp: 2142
Ion Ratio Lower Upper
94 100
96 82.9 77.8 116.8



#13
Acrolein
Concen: 1.31 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion: 56 Resp: 646
Ion Ratio Lower Upper
56 100
55 30.7 54.1 81.1#



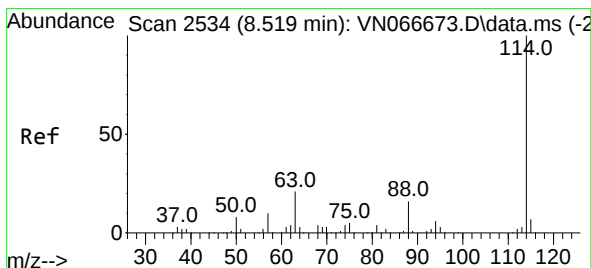
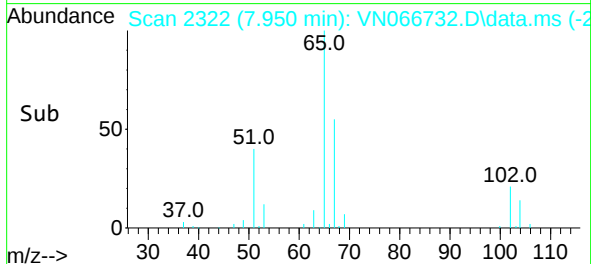
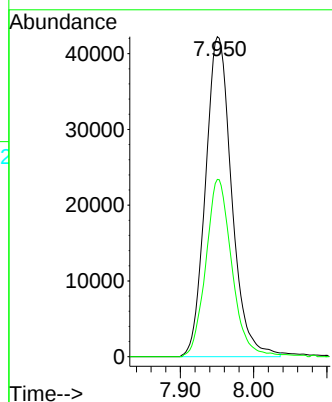
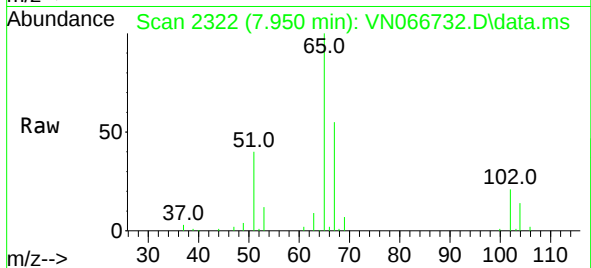


#27

1,2-Dichloroethane-d4
Concen: 29.53 ug/l
RT: 7.950 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Instrument :
MSVOA_N
ClientSampled :

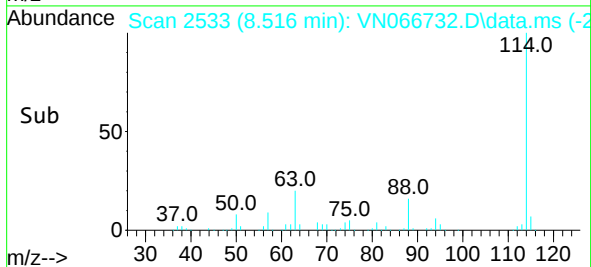
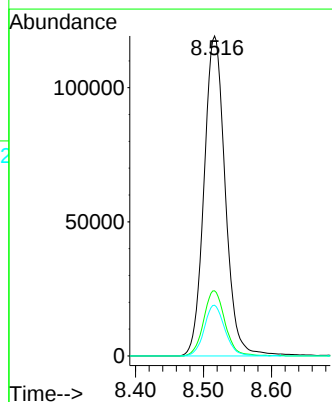
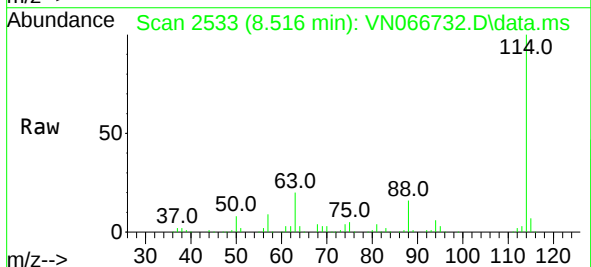
Tgt Ion: 65 Resp: 104995
Ion Ratio Lower Upper
65 100
67 54.4 42.2 63.4

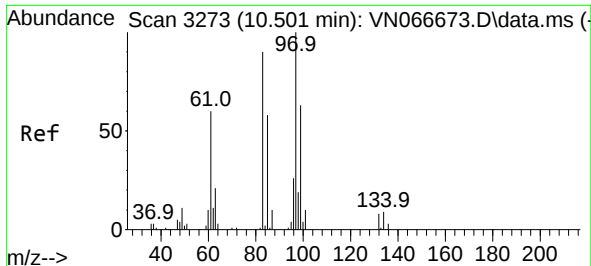


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion: 114 Resp: 258070
Ion Ratio Lower Upper
114 100
63 20.5 17.4 26.0
88 15.5 12.6 19.0

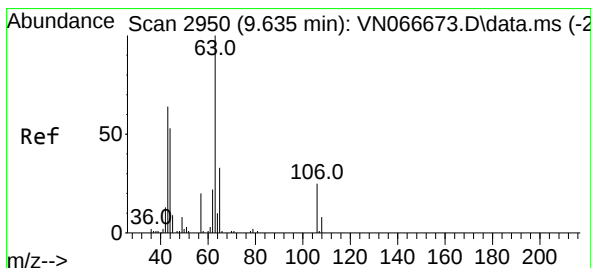
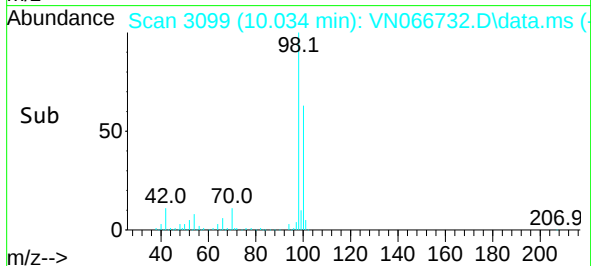
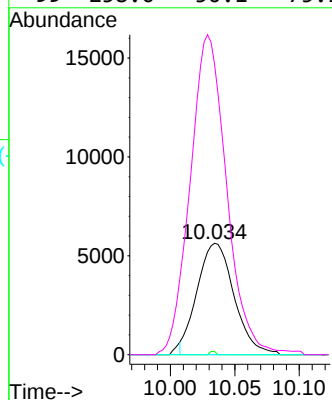
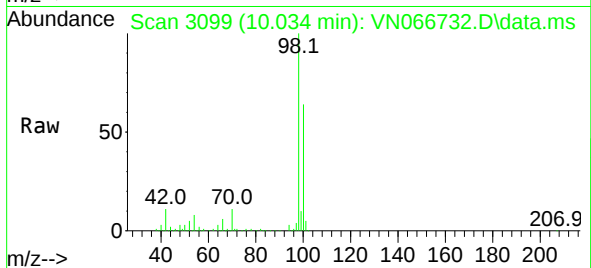




#50
1,1,2-Trichloroethane
Concen: 3.56 ug/l
RT: 10.034 min Scan# 3099
Delta R.T. -0.467 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

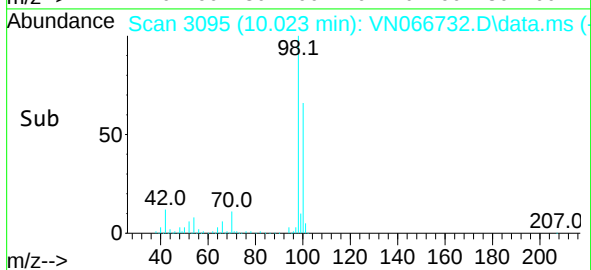
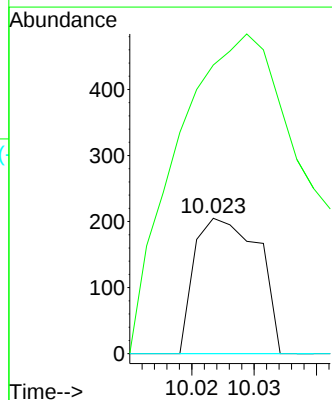
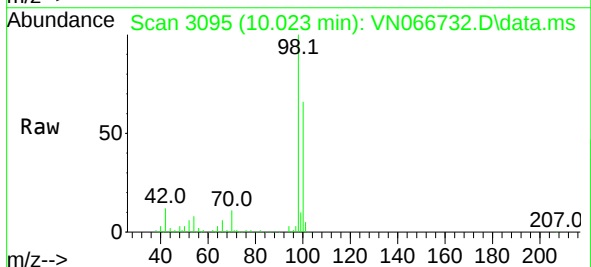
Instrument :
MSVOA_N
ClientSampleId :

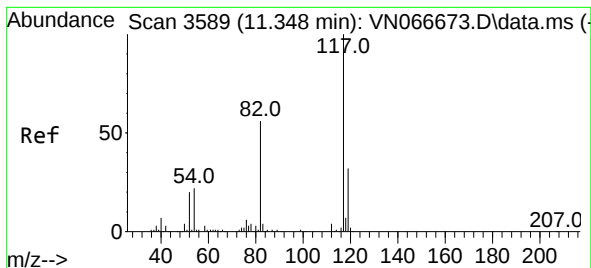
Tgt Ion:	97	Resp:	11228
Ion	Ratio	Lower	Upper
97	100		
83	2.8	68.8	103.2#
85	0.0	44.8	67.2#
99	258.0	50.1	75.1#



#55
2-Chloroethyl vinyl ether
Concen: 0.21 ug/l
RT: 10.023 min Scan# 3095
Delta R.T. 0.388 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion:	63	Resp:	146
Ion	Ratio	Lower	Upper
63	100		
65	474.7	26.0	39.0#
106	0.0	20.6	31.0#

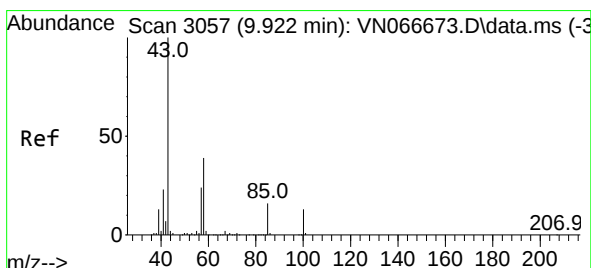
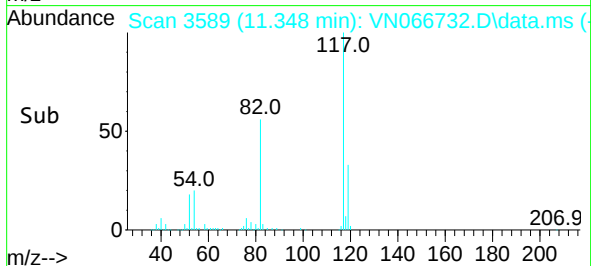
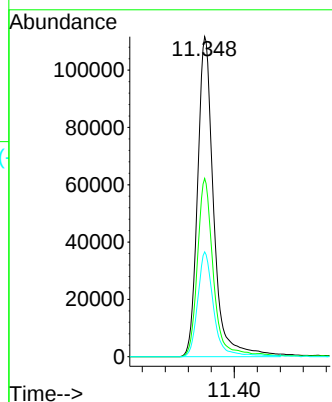
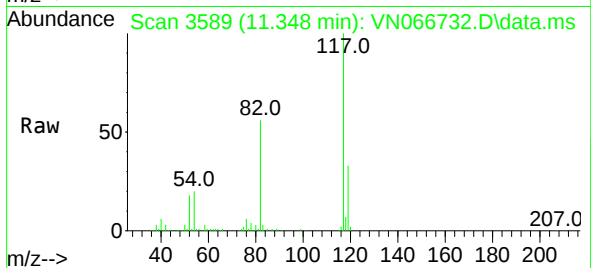




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

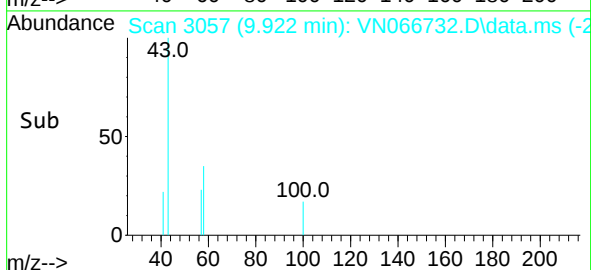
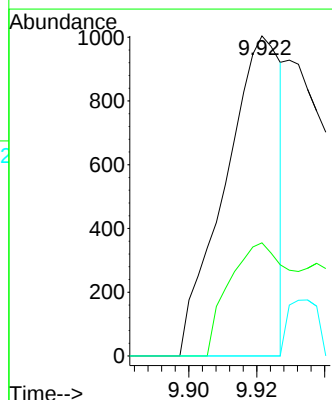
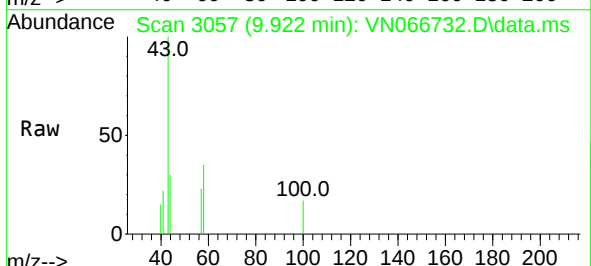
Instrument :
MSVOA_N
ClientSampleId :

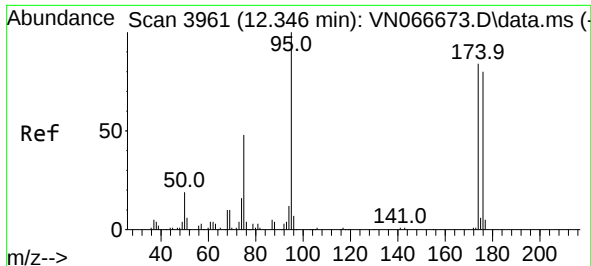
Tgt Ion:	117	Resp:	217090
Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.6
119	31.7	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion:	43	Resp:	1139
Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6
85	0.0	13.8	20.8

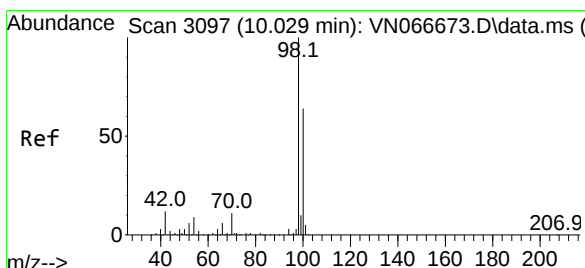
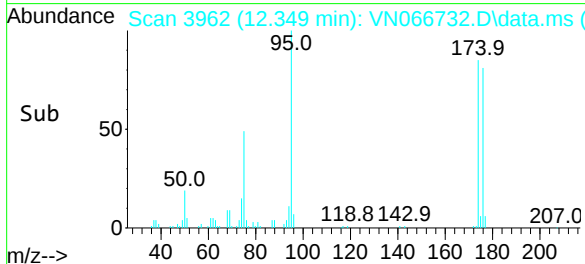
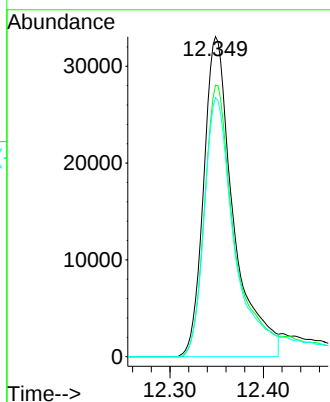
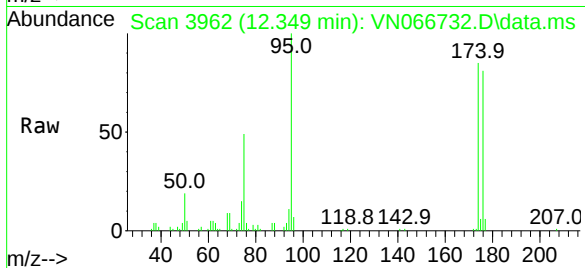




#60
4-Bromofluorobenzene
Concen: 21.51 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

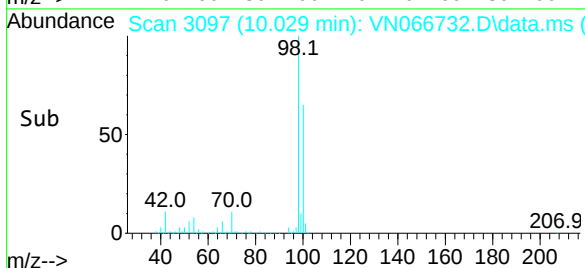
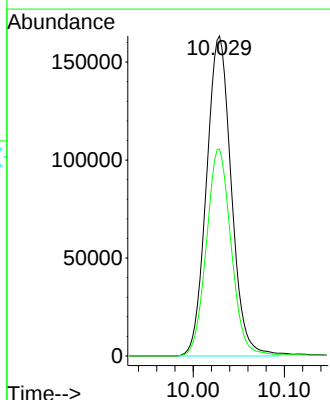
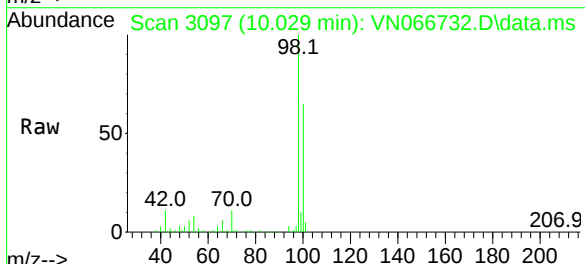
Instrument :
MSVOA_N
ClientSampleId :

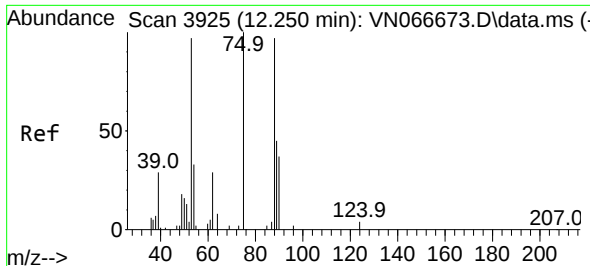
Tgt Ion: 95 Resp: 73176
Ion Ratio Lower Upper
95 100
174 86.7 68.1 102.1
176 82.3 65.4 98.0



#63
Toluene-d8
Concen: 30.91 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion: 98 Resp: 308715
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

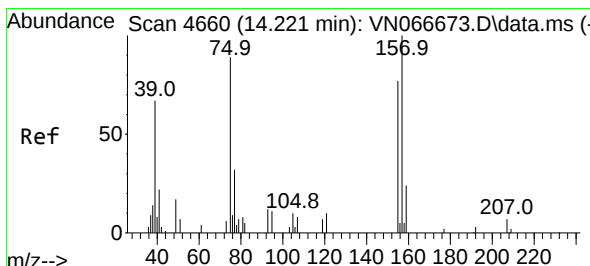
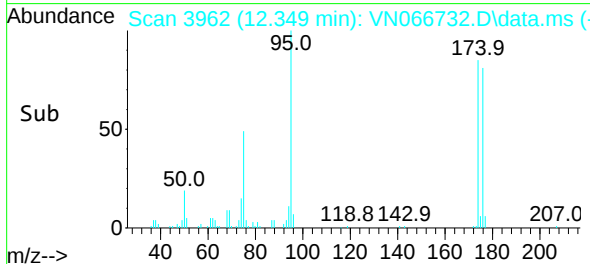
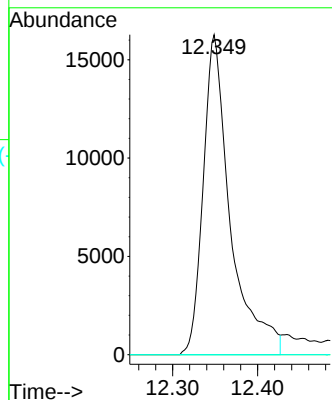
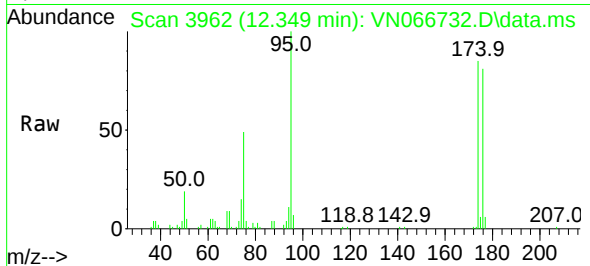




#77
t-1,4-Dichloro-2-butene
Concen: 31.85 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

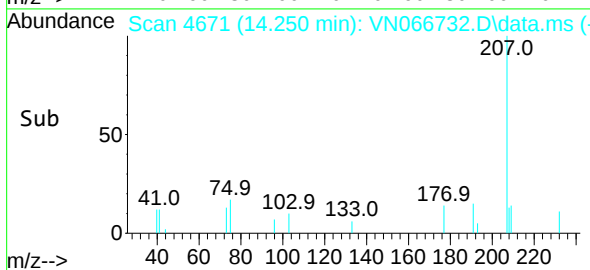
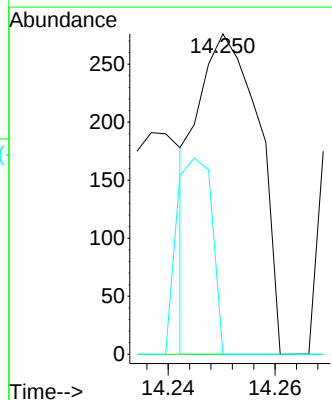
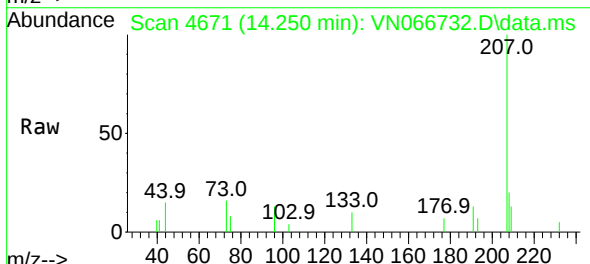
Instrument :
MSVOA_N
ClientSampleId :

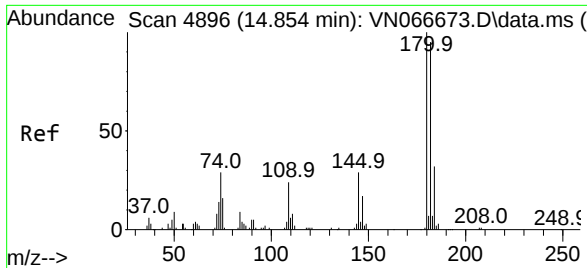
Tgt Ion: 75 Resp: 36193
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.31 ug/l
RT: 14.250 min Scan# 4671
Delta R.T. 0.029 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion: 75 Resp: 222
Ion Ratio Lower Upper
75 100
155 0.0 68.3 102.5#
157 35.1 87.8 131.6#

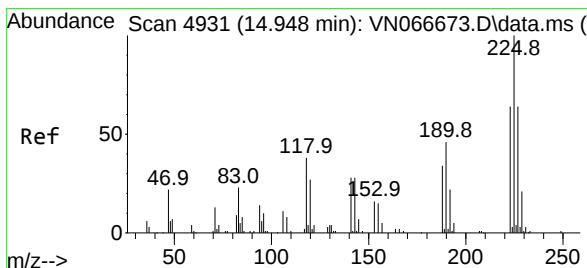
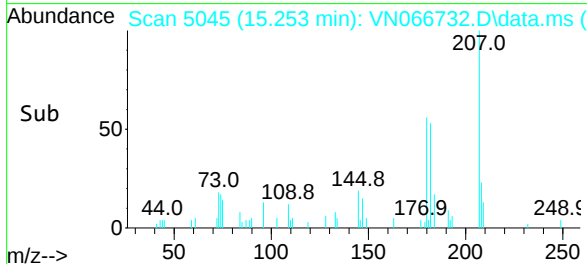
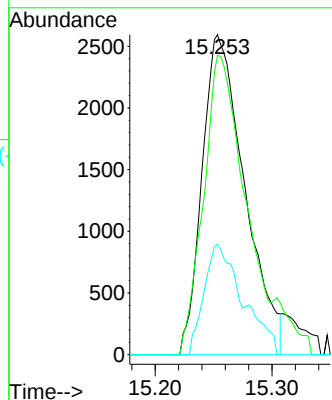
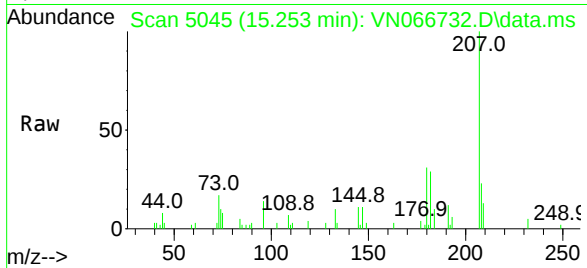




#89
1,2,4-Trichlorobenzene
Concen: 2.19 ug/l
RT: 15.253 min Scan# 5045
Delta R.T. 0.399 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

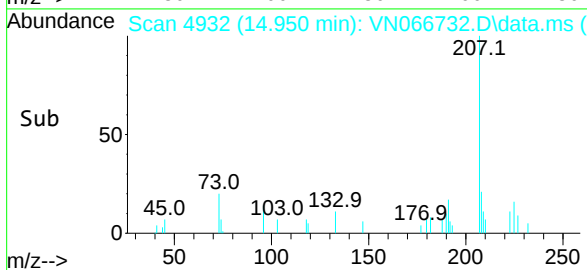
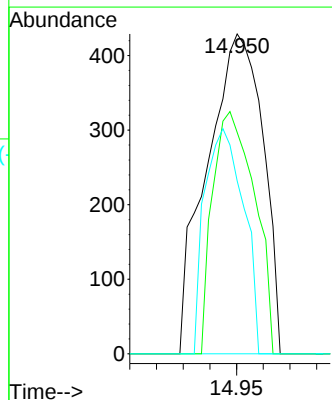
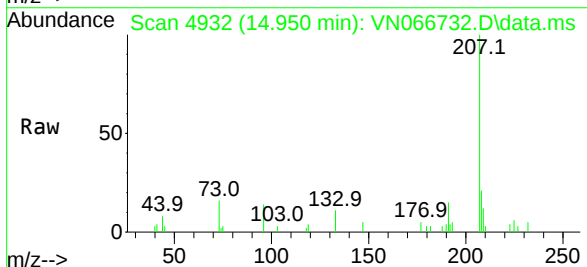
Instrument :
MSVOA_N
ClientSampleId :

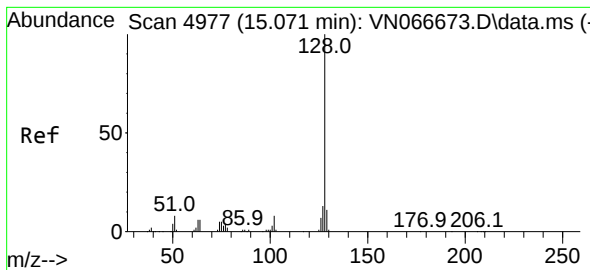
Tgt Ion:180 Resp: 6538
Ion Ratio Lower Upper
180 100
182 90.0 74.3 111.5
145 24.7 23.4 35.0



#90
Hexachlorobutadiene
Concen: 0.37 ug/l
RT: 14.950 min Scan# 4932
Delta R.T. 0.002 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion:225 Resp: 625
Ion Ratio Lower Upper
225 100
223 56.6 0.0 124.6
227 48.8 0.0 126.6

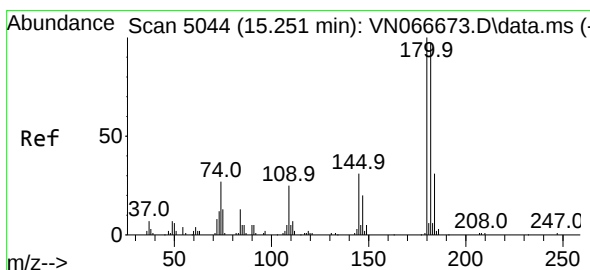
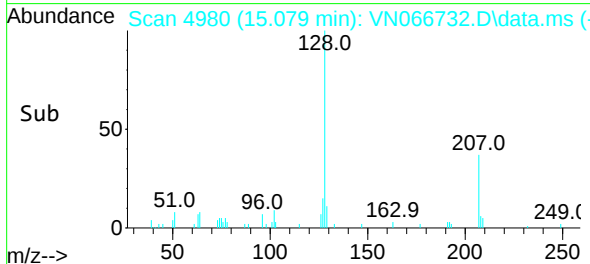
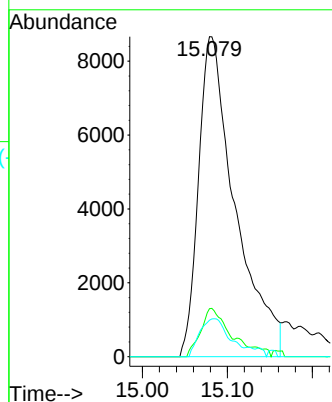
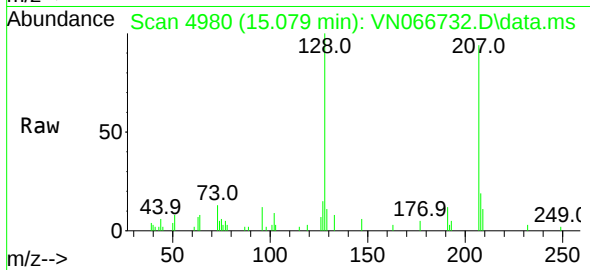




#91
Naphthalene
Concen: 3.62 ug/l
RT: 15.079 min Scan# 4980
Delta R.T. 0.008 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 25953
Ion Ratio Lower Upper
128 100
127 10.1 10.2 15.2#
129 9.4 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 2.32 ug/l
RT: 15.253 min Scan# 5045
Delta R.T. 0.002 min
Lab File: VN066732.D
Acq: 23 Apr 2021 12:56

Tgt Ion:180 Resp: 6538
Ion Ratio Lower Upper
180 100
182 90.0 0.0 190.0
145 24.7 0.0 60.8

