

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066585.D
 Acq On : 13 Apr 2021 18:17
 Operator : JC/MD
 Sample : M2021-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:26:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 13 16:46:30 2021
 Response via : Initial Calibration

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

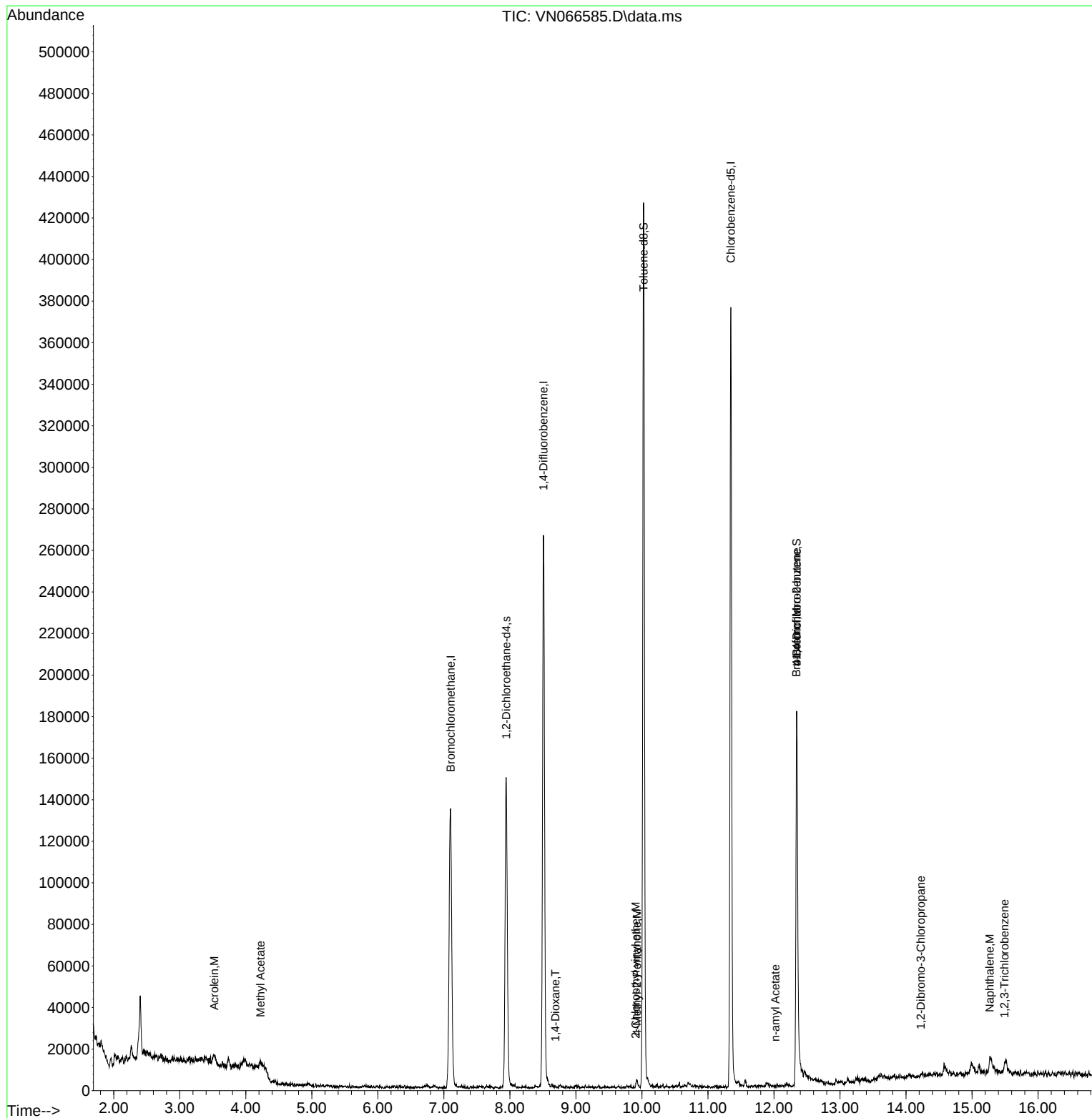
Internal Standards						
1) Bromochloromethane	7.104	128	44694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.510	114	207155	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	195502	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.946	65	126604	30.92	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.07%
60) 4-Bromofluorobenzene	12.345	95	63672	20.27	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	67.57%
63) Toluene-d8	10.025	98	273011	29.51	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.37%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.224	43	1409	0.24	ug/l #	63
13) Acrolein	3.524	56	2139	3.30	ug/l	91
45) 1,4-Dioxane	8.689	88	58	1.28	ug/l #	10
47) n-amyl Acetate	12.023	43	125	11.97	ug/l #	54
55) 2-Chloroethyl vinyl ether	9.907	63	59	43.39	ug/l #	45
56) Bromoform	12.342	173	502	0.23	ug/l #	1
58) 4-Methyl-2-Pentanone	9.923	43	2523	0.53	ug/l #	56
77) t-1,4-Dichloro-2-butene	12.345	75	39941	35.53	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	14.225	75	172	0.22	ug/l #	1
91) Naphthalene	15.268	128	3662	0.45	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.493	180	837	0.29	ug/l	37

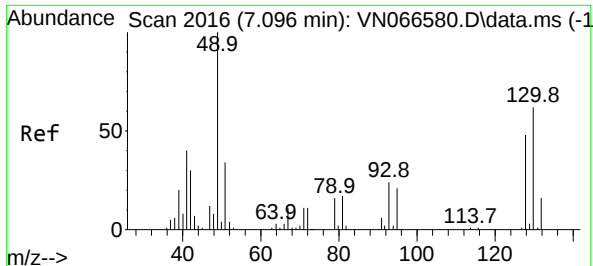
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
Data File : VN066585.D
Acq On : 13 Apr 2021 18:17
Operator : JC/MD
Sample : M2021-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 14 02:26:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 13 16:46:30 2021
Response via : Initial Calibration

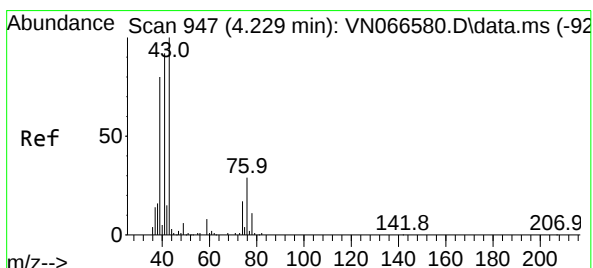
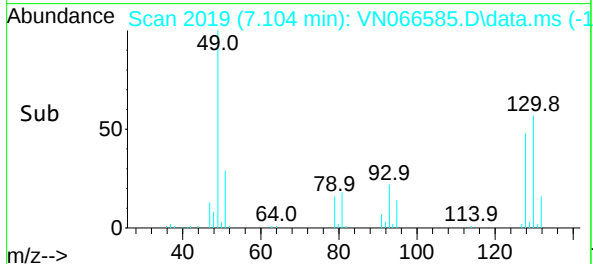
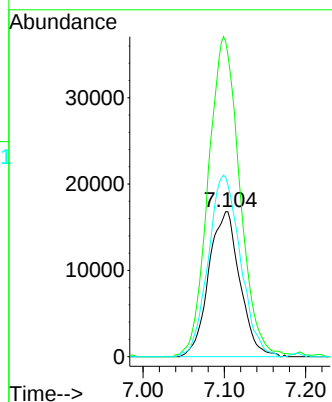
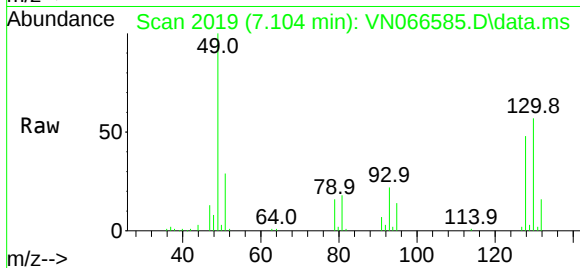




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.104 min Scan# 2019
Delta R.T. -0.003 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

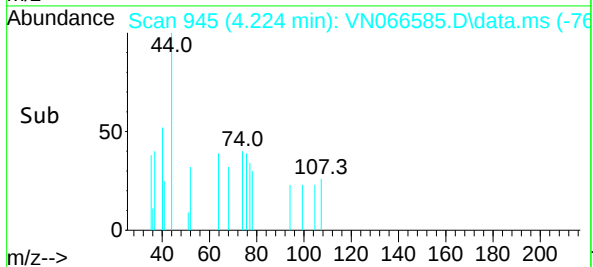
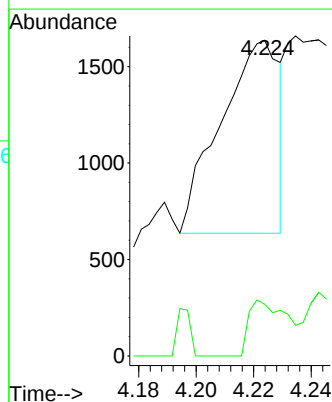
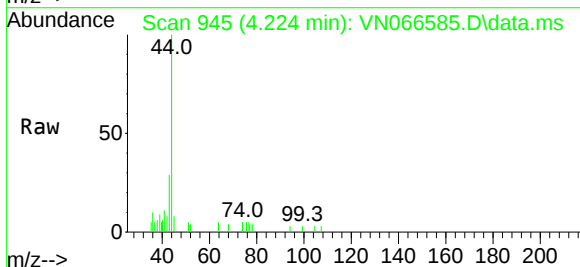
Instrument :
MSVOA_N
ClientSampleId :

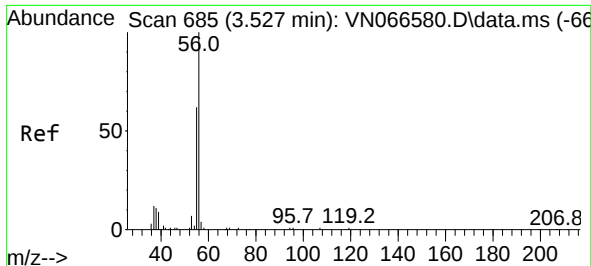
Tgt Ion:128 Resp: 44694
Ion Ratio Lower Upper
128 100
49 222.4 0.0 429.3
130 128.7 0.0 328.5



#12
Methyl Acetate
Concen: 0.24 ug/l
RT: 4.224 min Scan# 945
Delta R.T. -0.005 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
74 4.9 18.0 27.0#

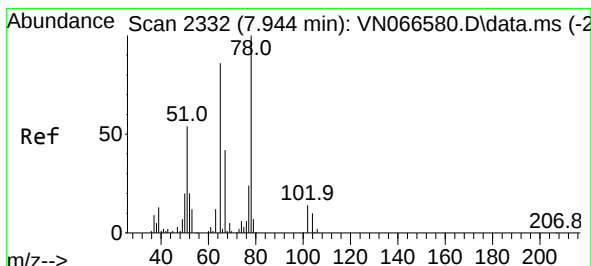
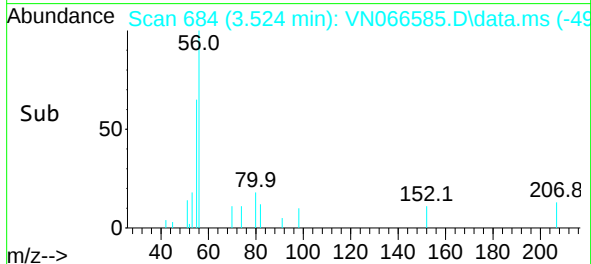
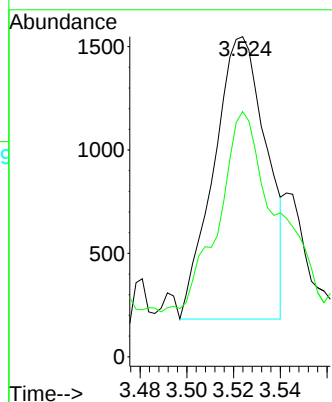
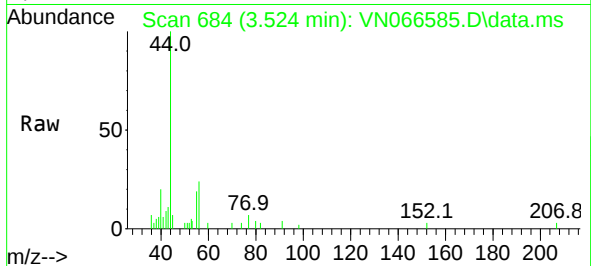




#13
Acrolein
Concen: 3.30 ug/l
RT: 3.524 min Scan# 684
Delta R.T. -0.003 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

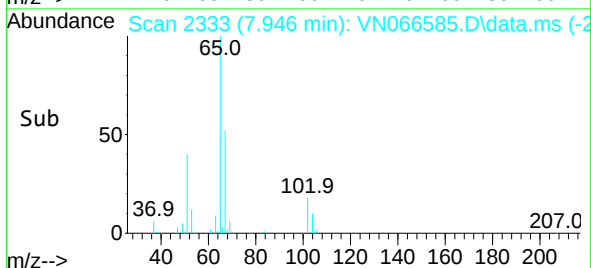
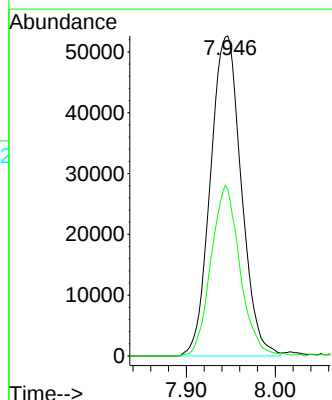
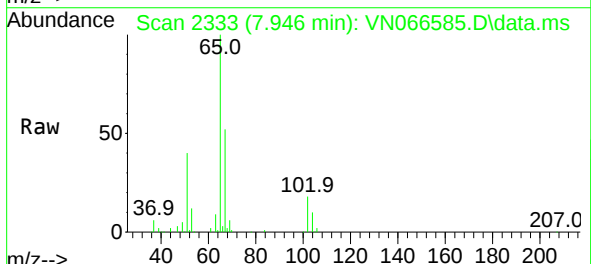
Instrument :
MSVOA_N
ClientSampled :

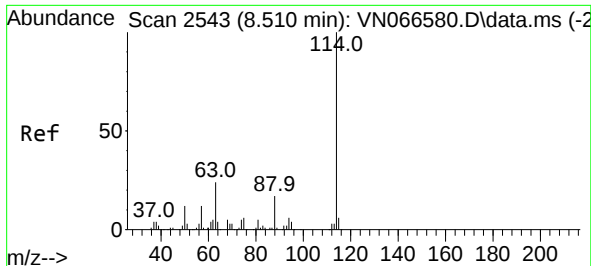
Tgt Ion: 56 Resp: 2139
Ion Ratio Lower Upper
56 100
55 74.7 54.1 81.1



#27
1,2-Dichloroethane-d4
Concen: 30.92 ug/l
RT: 7.946 min Scan# 2333
Delta R.T. -0.001 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion: 65 Resp: 126604
Ion Ratio Lower Upper
65 100
67 49.9 42.2 63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.510 min Scan# 2543

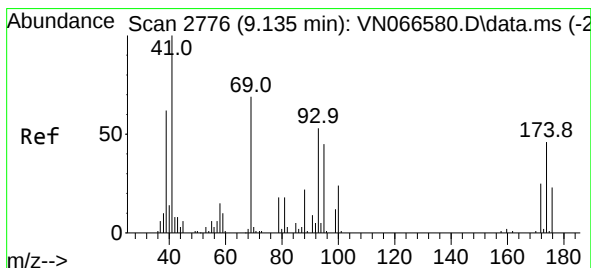
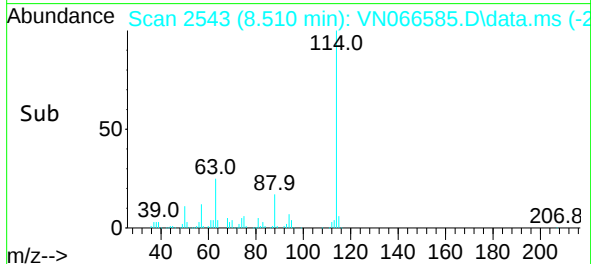
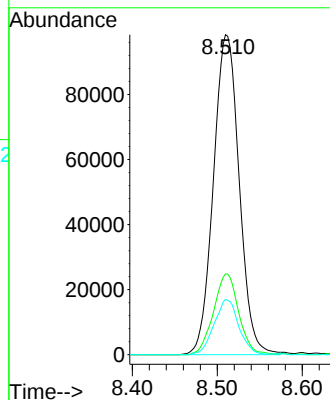
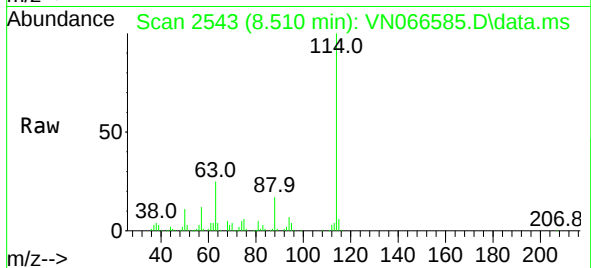
Delta R.T. -0.003 min

Lab File: VN066585.D

Acq: 13 Apr 2021 18:17

Tgt Ion:	114	Resp:	207155
Ion Ratio	Lower	Upper	
114	100		
63	24.7	17.4	26.0
88	16.5	12.6	19.0

Instrument :
MSVOA_N
ClientSampled :



#45

1,4-Dioxane

Concen: 1.28 ug/l

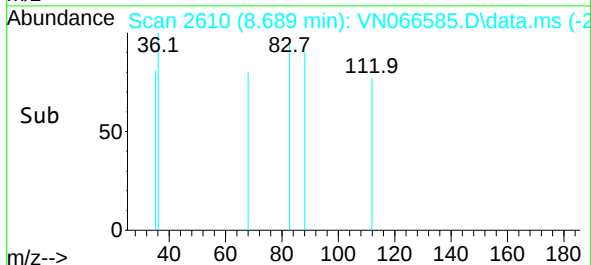
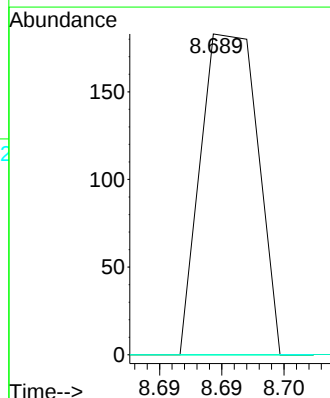
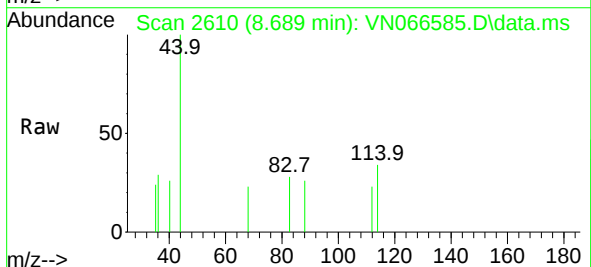
RT: 8.689 min Scan# 2610

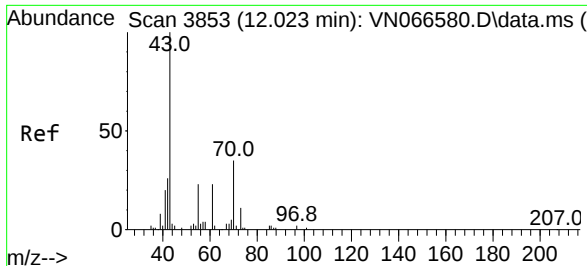
Delta R.T. -0.440 min

Lab File: VN066585.D

Acq: 13 Apr 2021 18:17

Tgt Ion:	88	Resp:	58
Ion Ratio	Lower	Upper	
88	100		
43	89.7	27.0	40.4#
58	0.0	57.9	86.9#

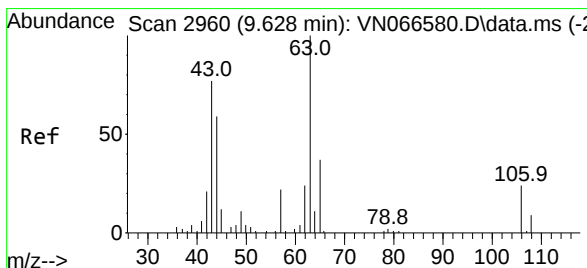
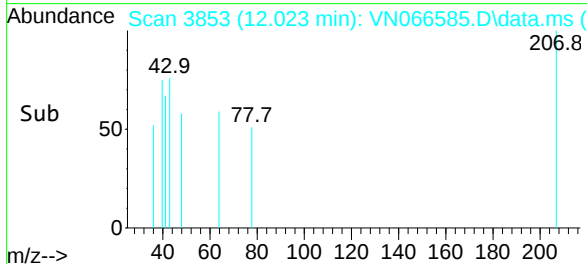
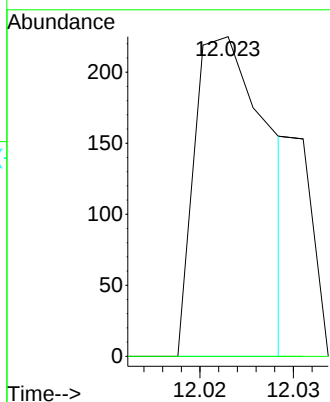
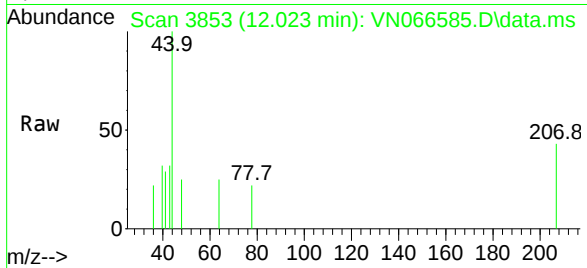




#47
n-amy1 Acetate
Concen: 11.97 ug/l
RT: 12.023 min Scan# 3853
Delta R.T. -0.006 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

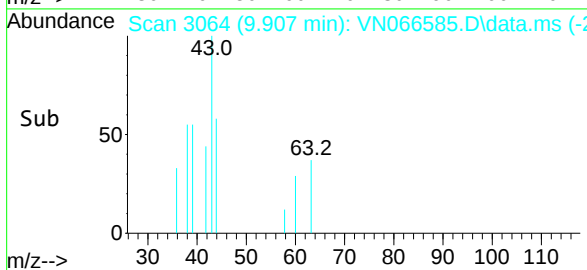
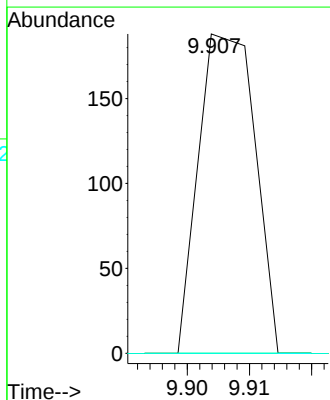
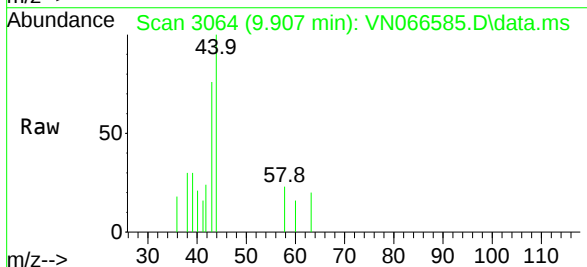
Instrument :
MSVOA_N
ClientSampled :

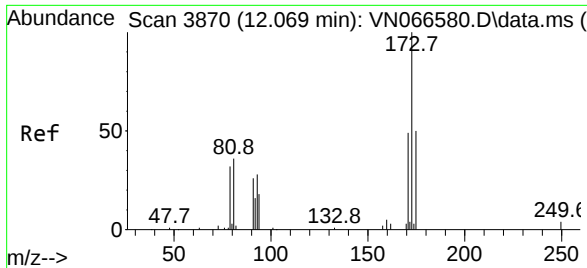
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#



#55
2-Chloroethyl vinyl ether
Concen: 43.39 ug/l
RT: 9.907 min Scan# 3064
Delta R.T. 0.276 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#

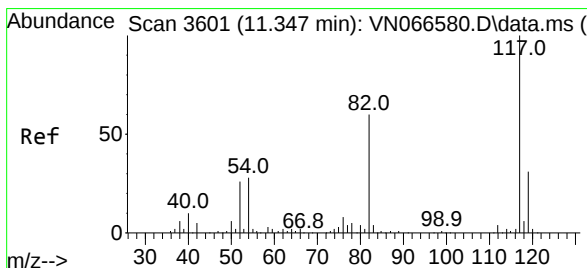
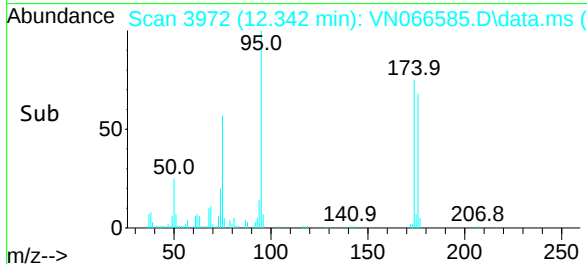
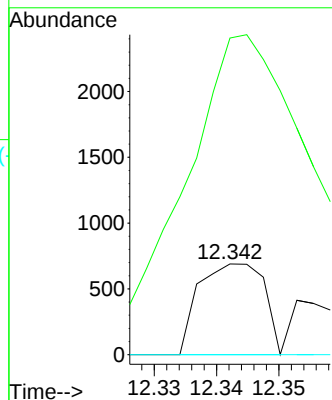
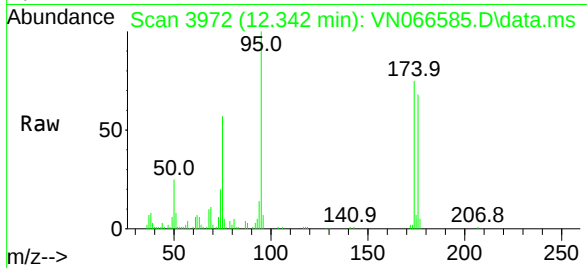




#56
Bromoform
Concen: 0.23 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.270 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

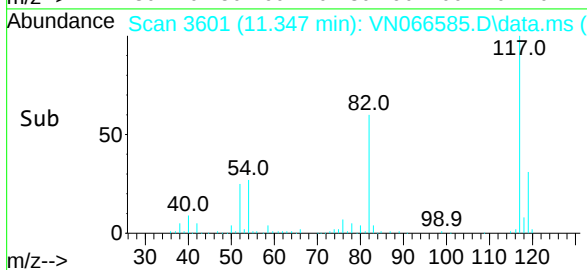
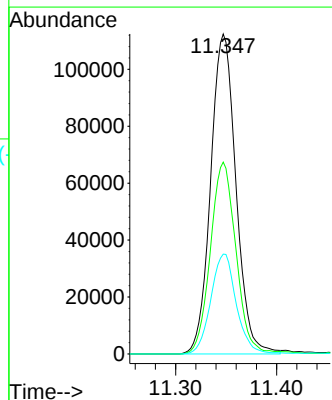
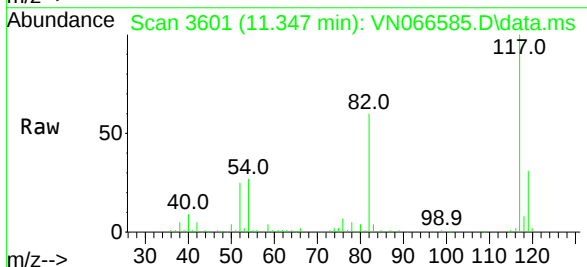
Instrument :
MSVOA_N
ClientSampled :

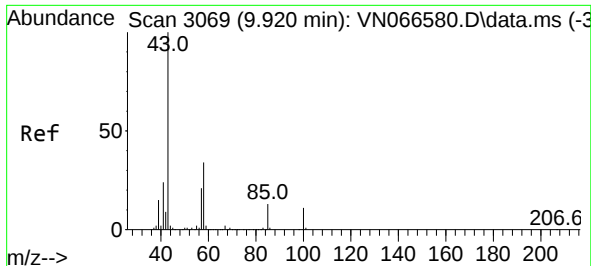
Tgt Ion:173 Resp: 502
Ion Ratio Lower Upper
173 100
175 786.9 38.3 57.5#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion:117 Resp: 195502
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 31.3 25.5 38.3

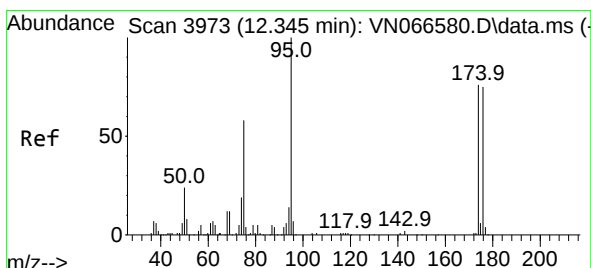
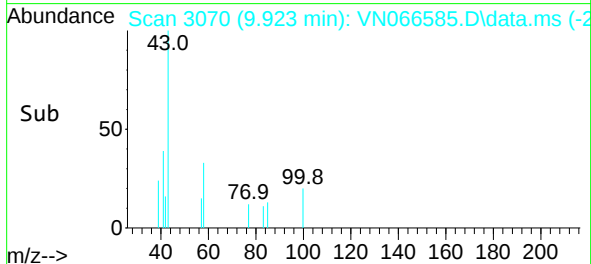
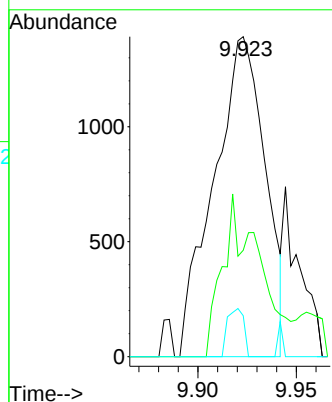
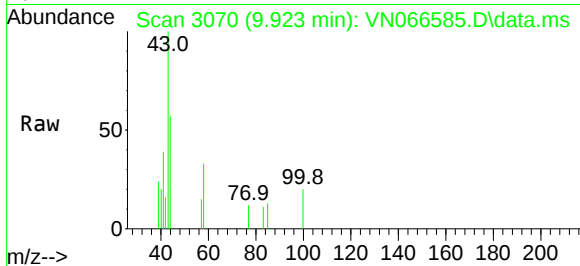




#58
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

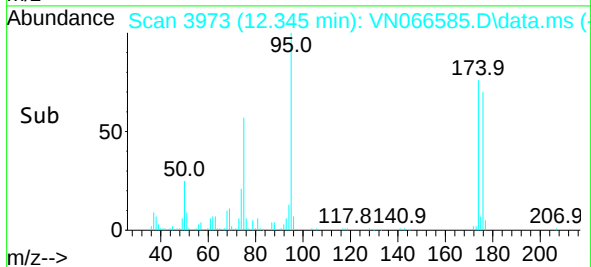
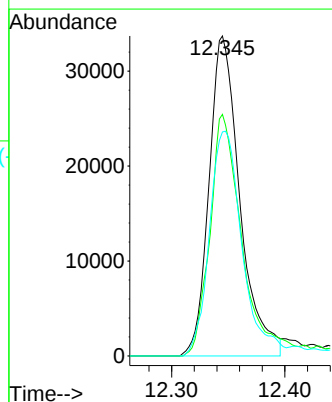
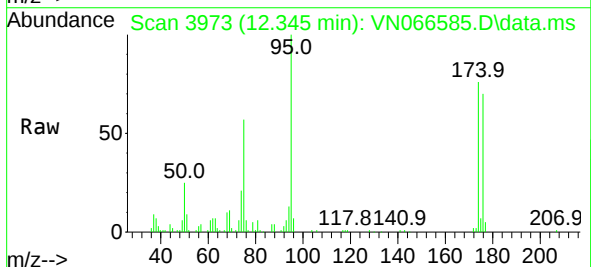
Instrument :
MSVOA_N
ClientSampleId :

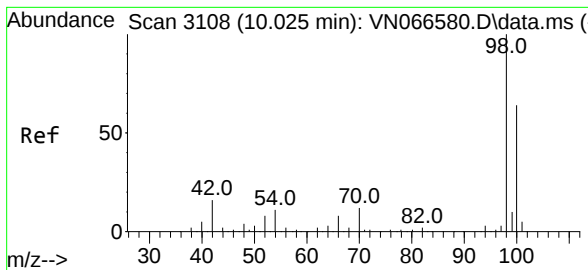
Tgt Ion: 43 Resp: 2523
Ion Ratio Lower Upper
43 100
58 7.3 30.4 45.6#
85 4.8 13.8 20.8#



#60
4-Bromofluorobenzene
Concen: 20.27 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion: 95 Resp: 63672
Ion Ratio Lower Upper
95 100
174 78.4 68.1 102.1
176 74.5 65.4 98.0

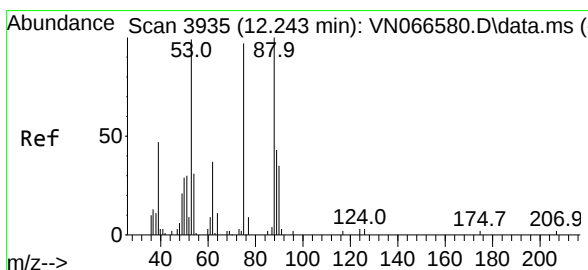
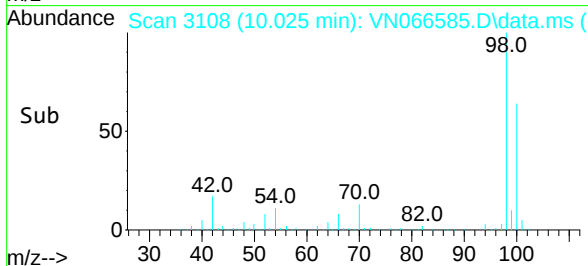
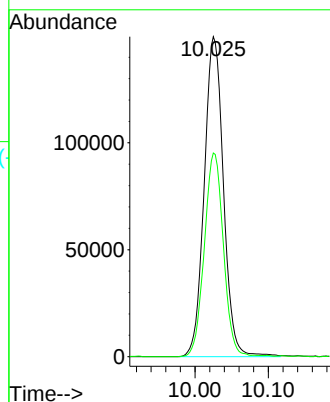
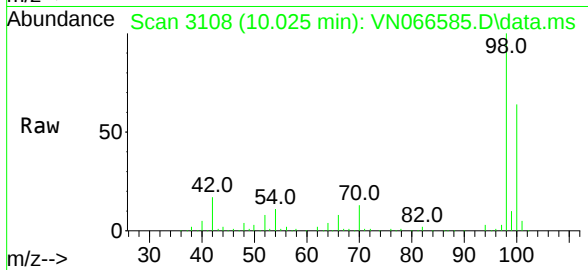




#63
Toluene-d8
Concen: 29.51 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

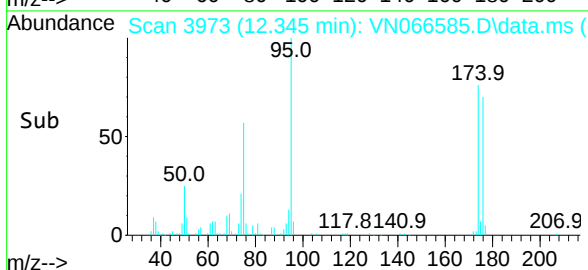
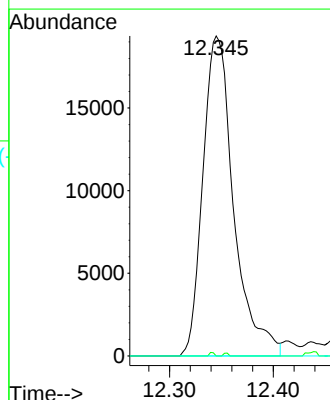
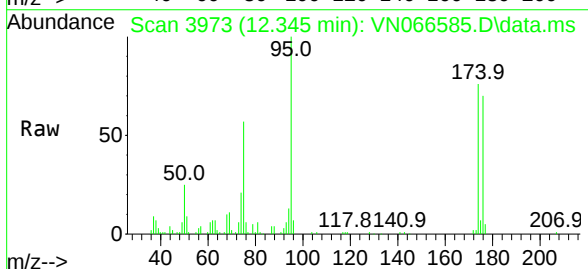
Instrument :
MSVOA_N
ClientSampled :

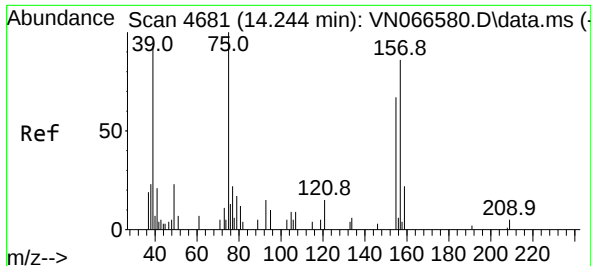
Tgt Ion: 98 Resp: 273011
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 35.53 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

Tgt Ion: 75 Resp: 39941
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

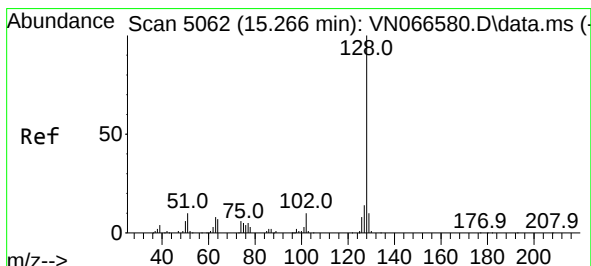
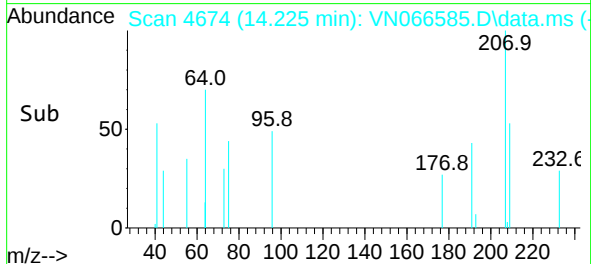
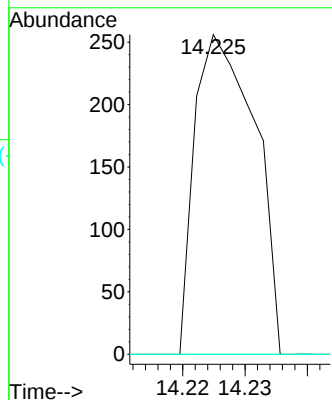
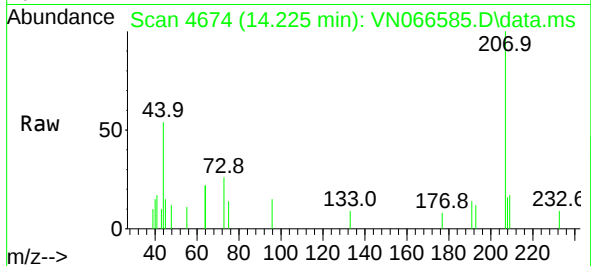




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.22 ug/l
RT: 14.225 min Scan# 4674
Delta R.T. -0.008 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

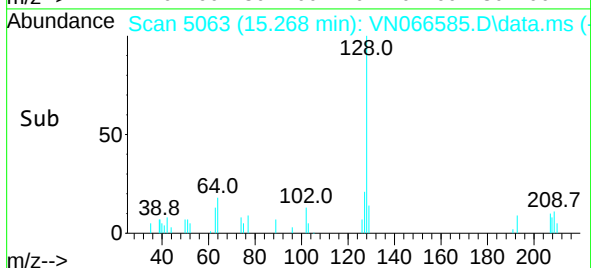
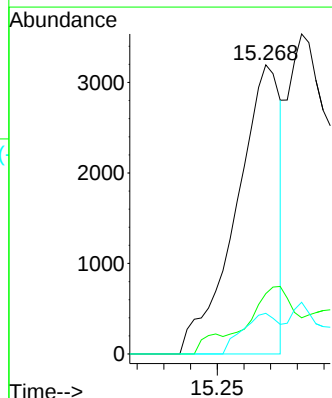
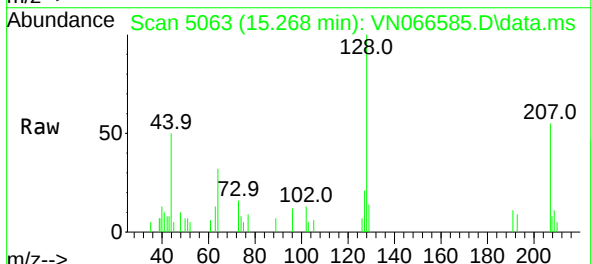
Instrument :
MSVOA_N
ClientSampleId :

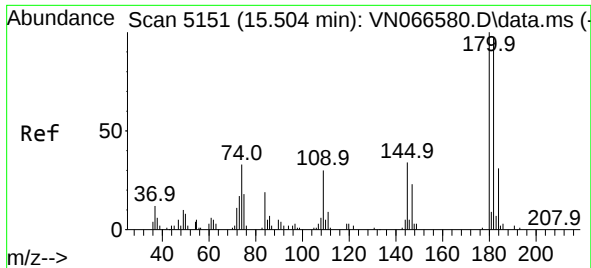
Tgt Ion: 75 Resp: 172
Ion Ratio Lower Upper
75 100
155 0.0 68.3 102.5#
157 0.0 87.8 131.6#



#91
Naphthalene
Concen: 0.45 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.002 min
Lab File: VN066585.D
Acq: 13 Apr 2021 18:17

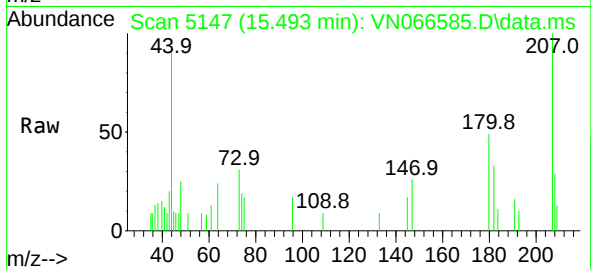
Tgt Ion: 128 Resp: 3662
Ion Ratio Lower Upper
128 100
127 16.0 10.2 15.2#
129 11.5 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 15.493 min Scan# 5147
 Delta R.T. -0.009 min
 Lab File: VN066585.D
 Acq: 13 Apr 2021 18:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 837
 Ion Ratio Lower Upper
 180 100
 182 162.4 0.0 190.0
 145 54.0 0.0 60.8

