

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066582.D
 Acq On : 13 Apr 2021 16:56
 Operator : JC/MD
 Sample : VN0413WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:25:18 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)

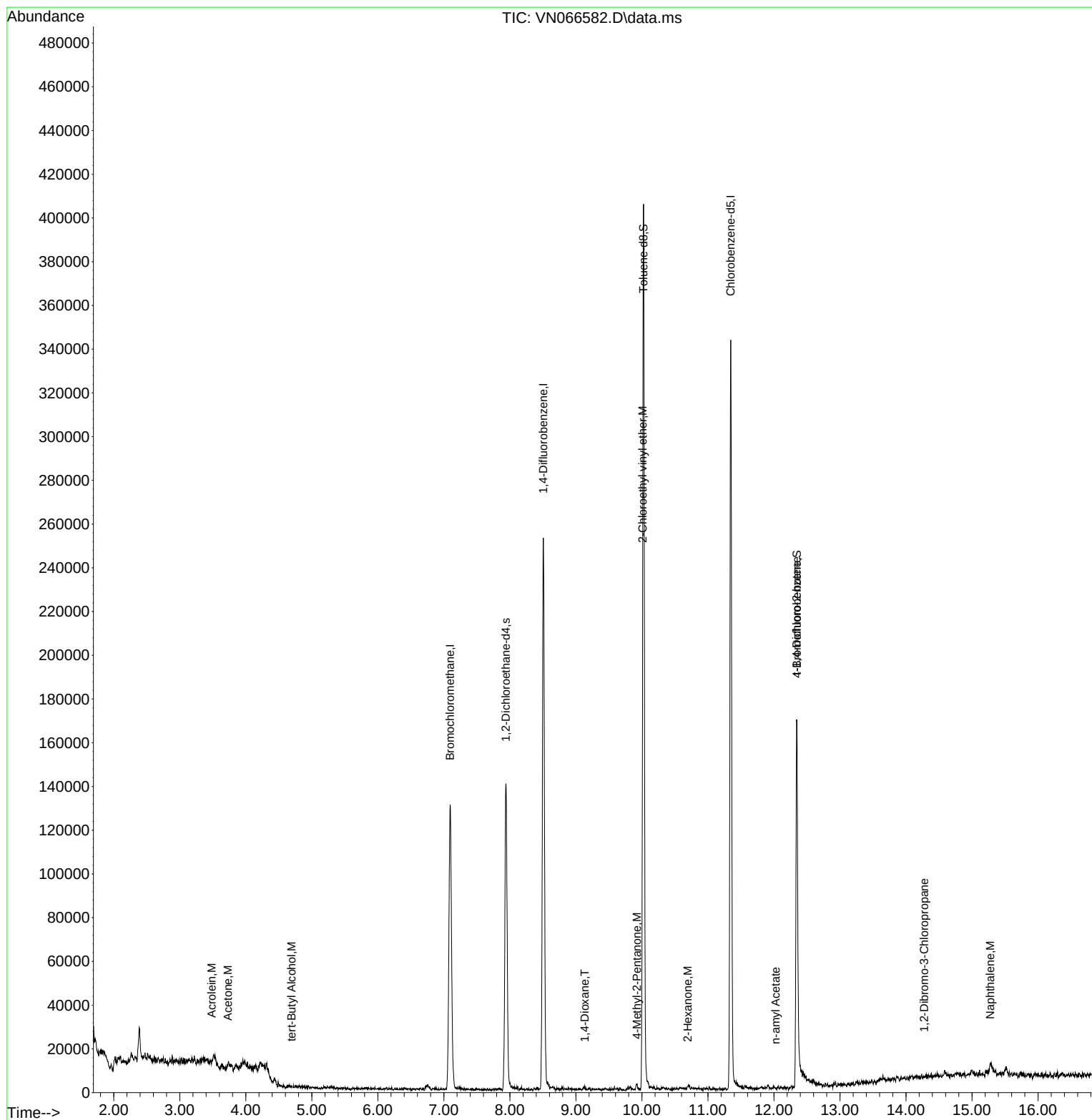
Internal Standards						
1) Bromochloromethane	7.096	128	43573	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.507	114	198189	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.345	117	181206	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.938	65	117824	29.51	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.348	95	58640	20.14	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	67.13%
63) Toluene-d8	10.022	98	252112	29.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.00%
Target Compounds						
					Qvalue	
13) Acrolein	3.484	56	320	0.51	ug/l	97
15) Acetone	3.730	58	123	0.22	ug/l #	1
23) tert-Butyl Alcohol	4.693	59	158	0.30	ug/l #	71
45) 1,4-Dioxane	9.135	88	50	1.15	ug/l #	1
47) n-amyl Acetate	12.026	43	26	11.95	ug/l #	54
55) 2-Chloroethyl vinyl ether	10.012	63	183	43.59	ug/l #	45
58) 4-Methyl-2-Pentanone	9.923	43	2043	0.46	ug/l #	64
59) 2-Hexanone	10.693	43	621	0.21	ug/l #	86
77) t-1,4-Dichloro-2-butene	12.345	75	34471	33.08	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	14.276	75	193	0.27	ug/l #	1
91) Naphthalene	15.276	128	4105	0.54	ug/l #	81

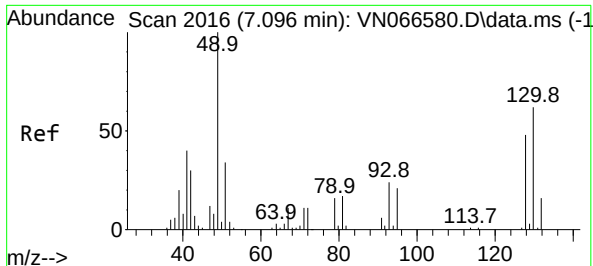
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
Data File : VN066582.D
Acq On : 13 Apr 2021 16:56
Operator : JC/MD
Sample : VN0413WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 14 02:25:18 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

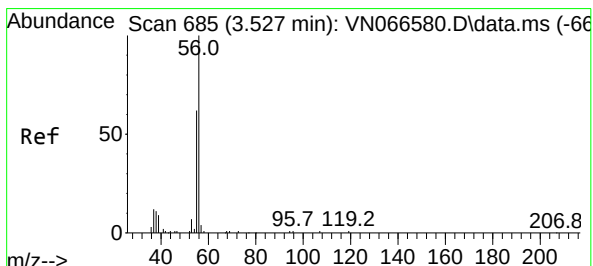
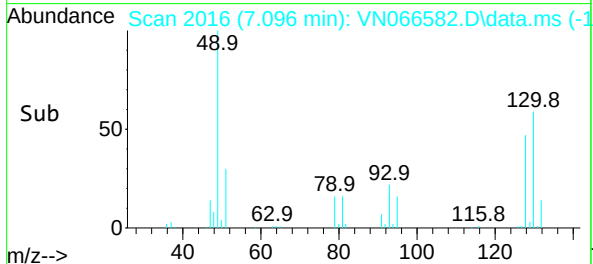
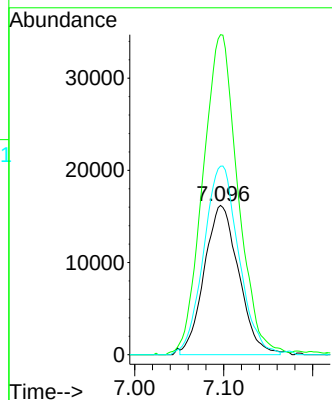
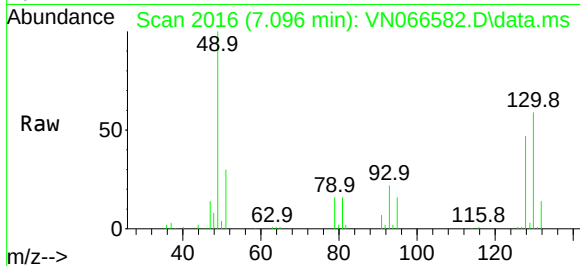




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.096 min Scan# 2016
Delta R.T. -0.011 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

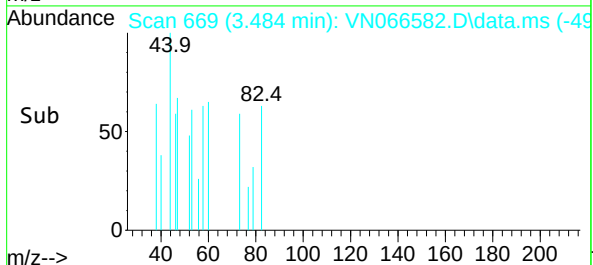
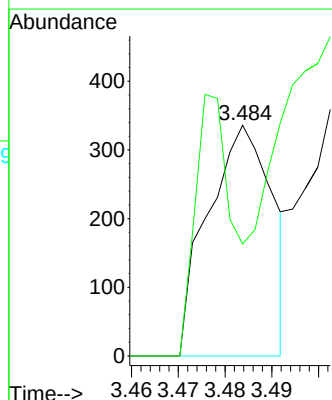
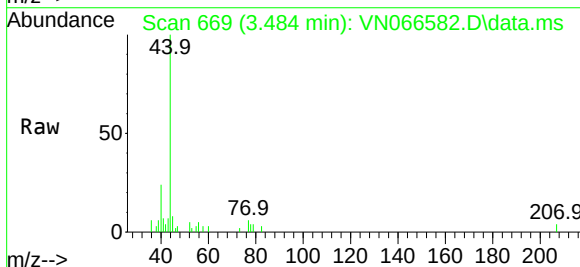
Instrument :
MSVOA_N
ClientSampleId :

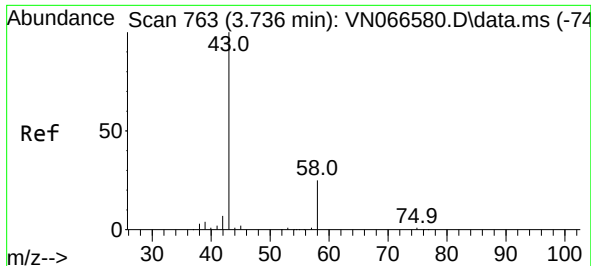
Tgt Ion:128 Resp: 43573
Ion Ratio Lower Upper
128 100
49 217.9 0.0 429.3
130 128.9 0.0 328.5



#13
Acrolein
Concen: 0.51 ug/l
RT: 3.484 min Scan# 669
Delta R.T. -0.043 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 65.3 54.1 81.1

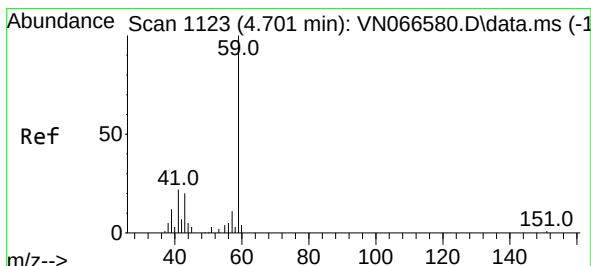
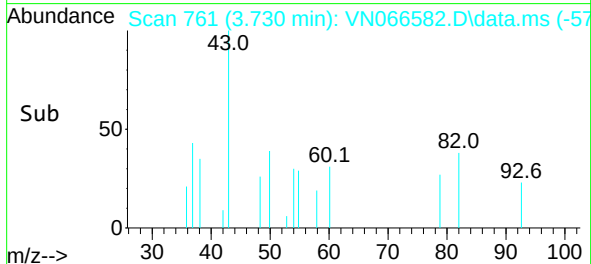
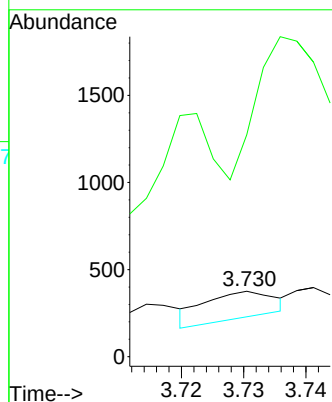
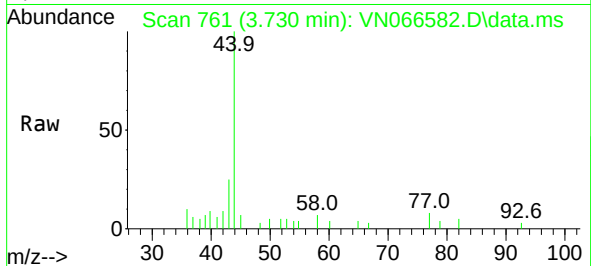




#15
Acetone
Concen: 0.22 ug/l
RT: 3.730 min Scan# 761
Delta R.T. -0.003 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

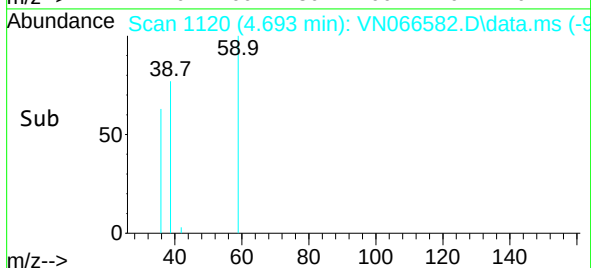
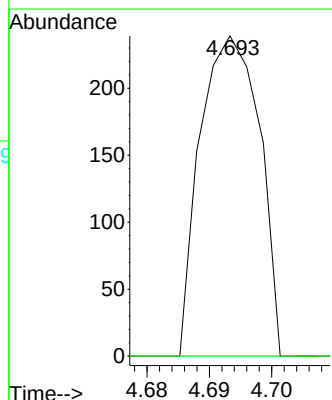
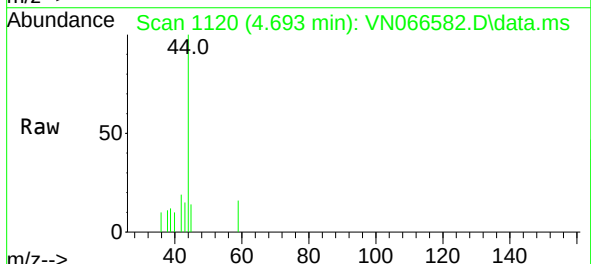
Instrument :
MSVOA_N
ClientSampleId :

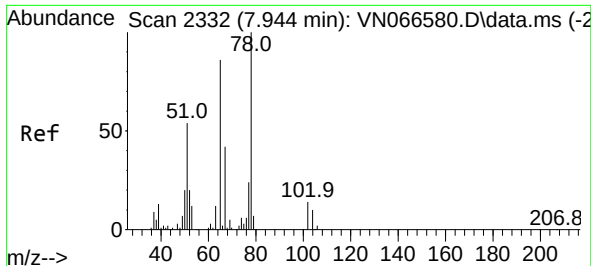
Tgt Ion: 58 Resp: 123
Ion Ratio Lower Upper
58 100
43 0.0 267.3 400.9#



#23
tert-Butyl Alcohol
Concen: 0.30 ug/l
RT: 4.693 min Scan# 1120
Delta R.T. 0.010 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
52 67.7 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.51 ug/l

RT: 7.938 min Scan# 2330

Delta R.T. -0.009 min

Lab File: VN066582.D

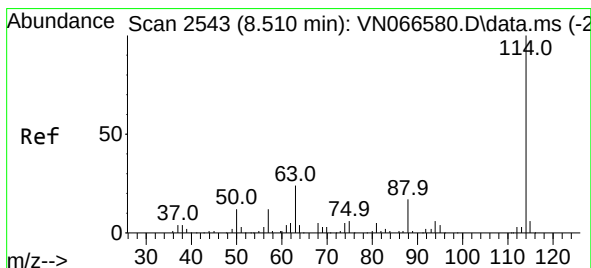
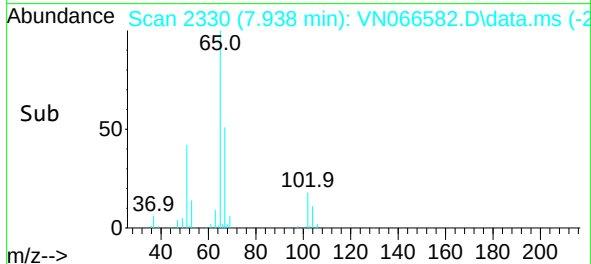
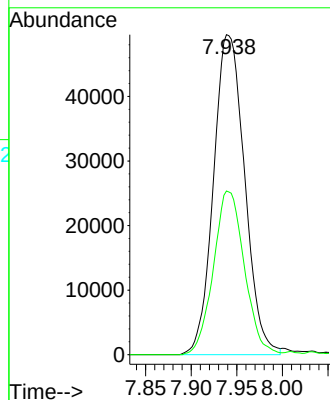
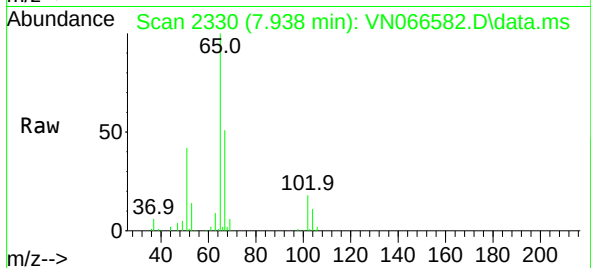
Acq: 13 Apr 2021 16:56

Tgt Ion: 65 Resp: 117824

Ion Ratio Lower Upper

65 100

67 50.8 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.507 min Scan# 2542

Delta R.T. -0.006 min

Lab File: VN066582.D

Acq: 13 Apr 2021 16:56

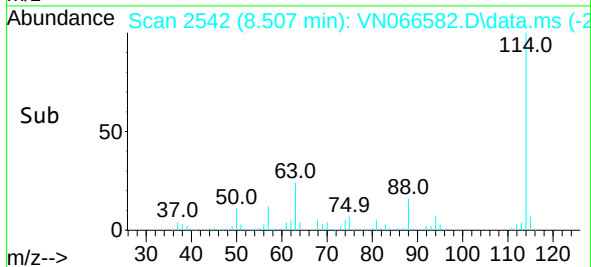
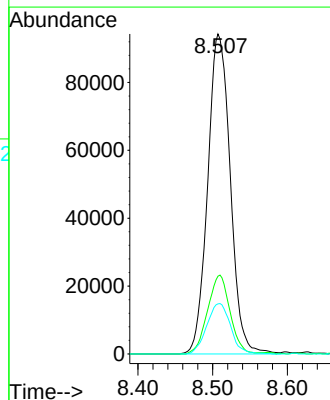
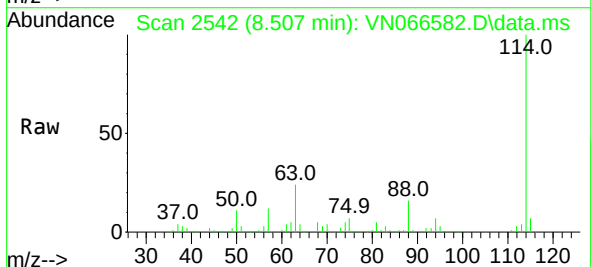
Tgt Ion: 114 Resp: 198189

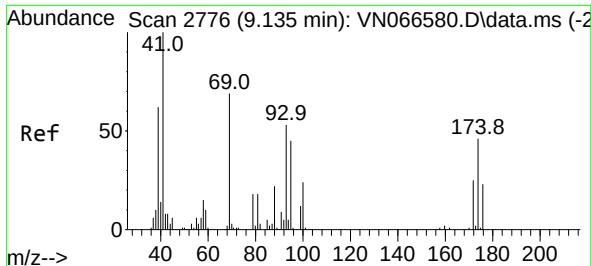
Ion Ratio Lower Upper

114 100

63 24.4 17.4 26.0

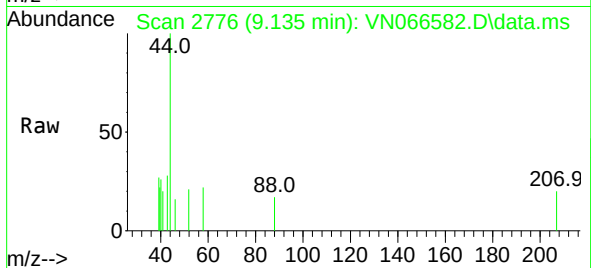
88 16.4 12.6 19.0



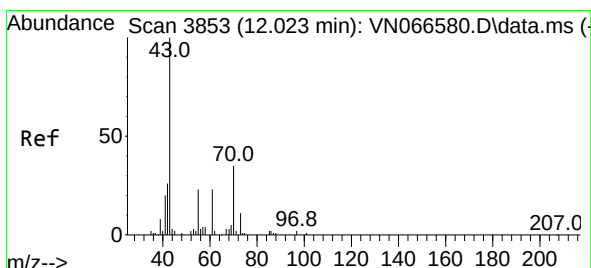
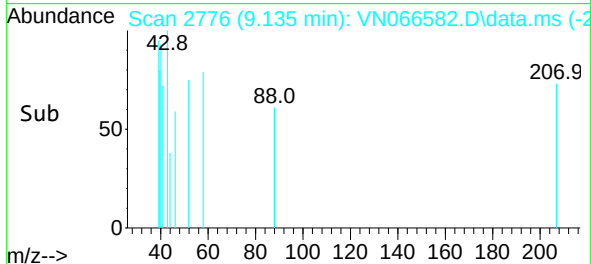
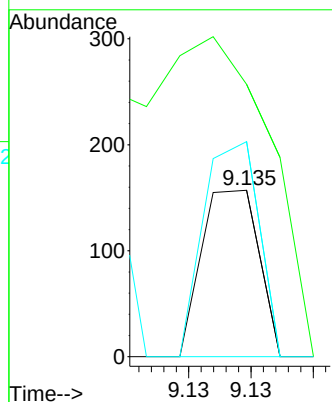


#45
1,4-Dioxane
Concen: 1.15 ug/l
RT: 9.135 min Scan# 2776
Delta R.T. 0.006 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Instrument :
MSVOA_N
ClientSampled :

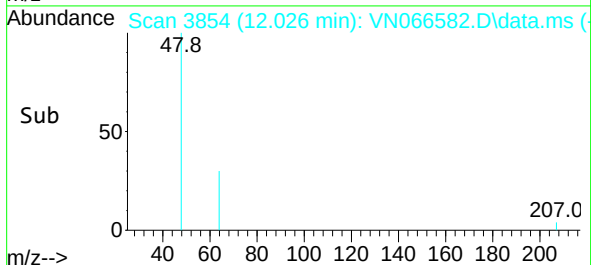
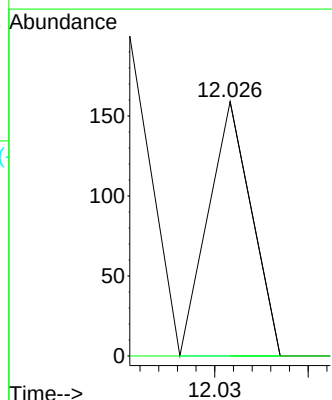
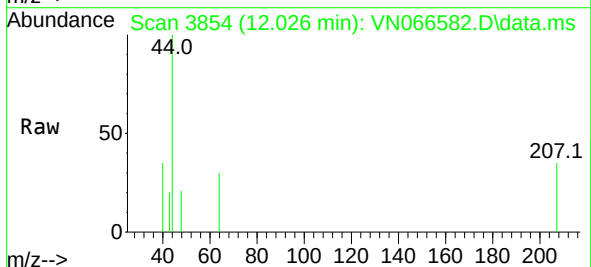


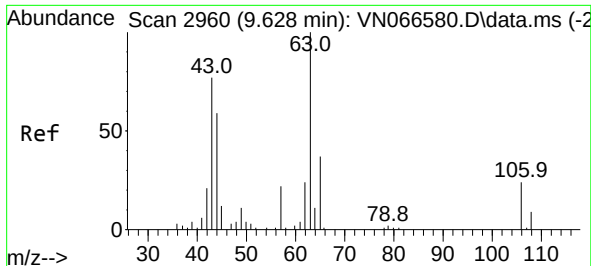
Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 332.0 27.0 40.4#
58 126.0 57.9 86.9#



#47
n-amy1 Acetate
Concen: 11.95 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. -0.003 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#

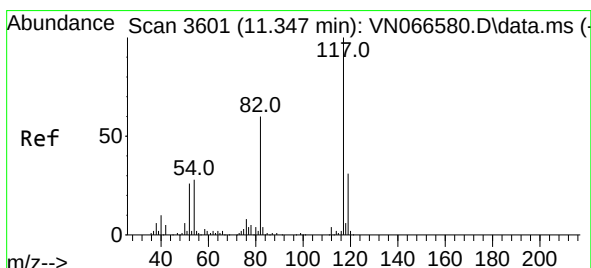
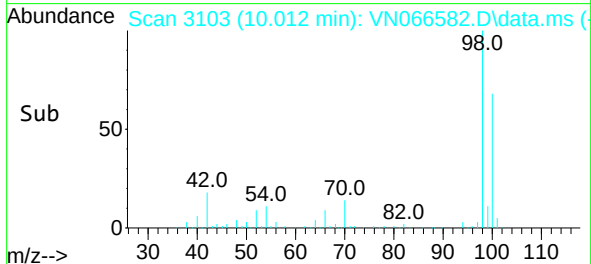
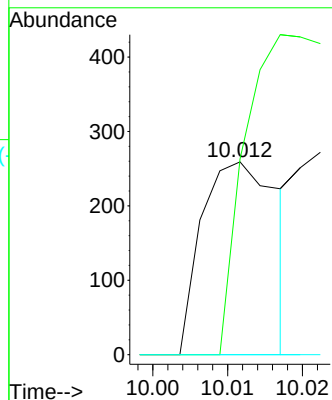
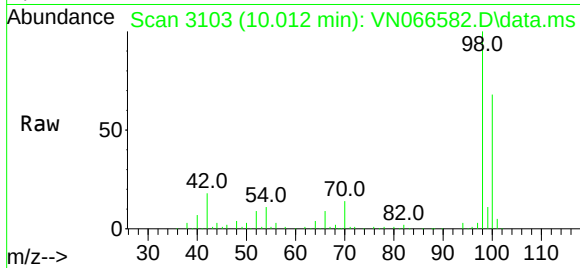




#55
2-Chloroethyl vinyl ether
Concen: 43.59 ug/l
RT: 10.012 min Scan# 3103
Delta R.T. 0.381 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

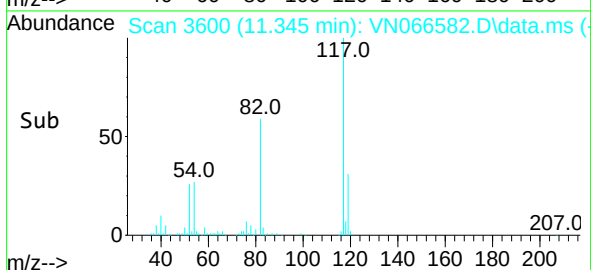
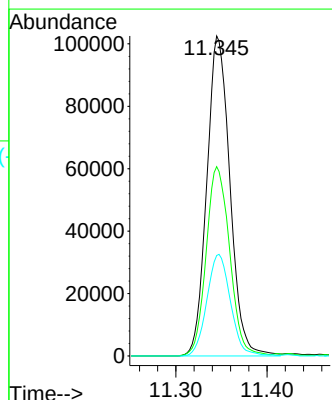
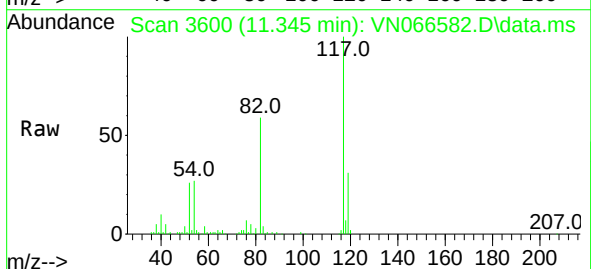
Instrument :
MSVOA_N
ClientSampled :

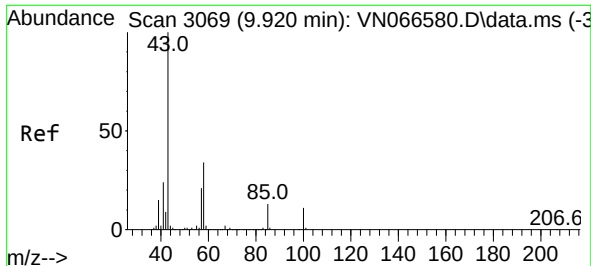
Tgt Ion: 63 Resp: 183
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.345 min Scan# 3600
Delta R.T. -0.005 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

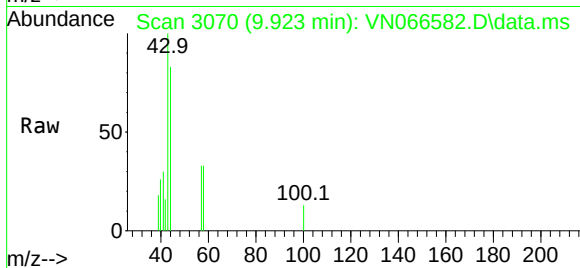
Tgt Ion:117 Resp: 181206
Ion Ratio Lower Upper
117 100
82 60.2 45.0 67.6
119 32.4 25.5 38.3



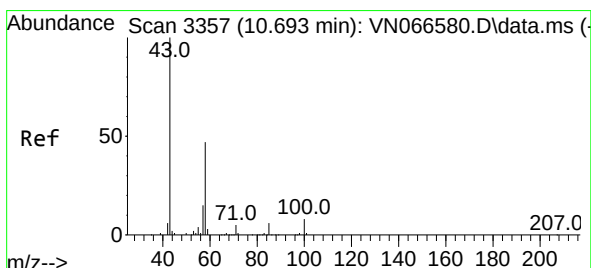
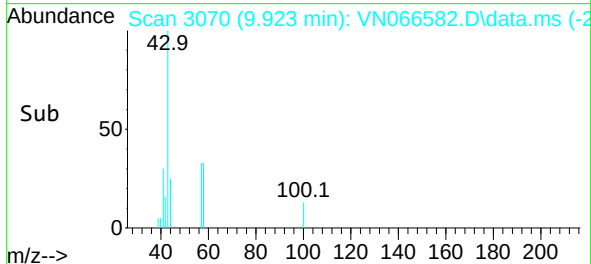
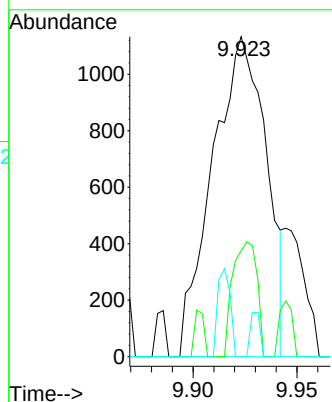


#58
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Instrument :
MSVOA_N
ClientSampled :

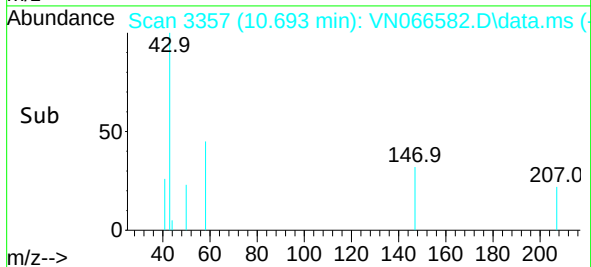
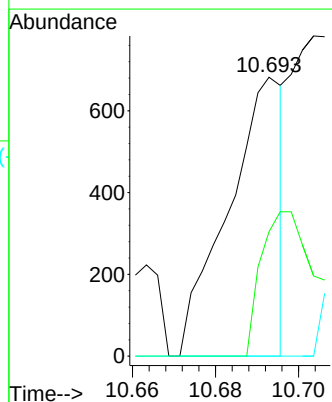
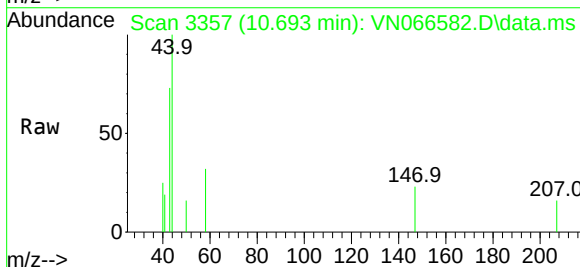


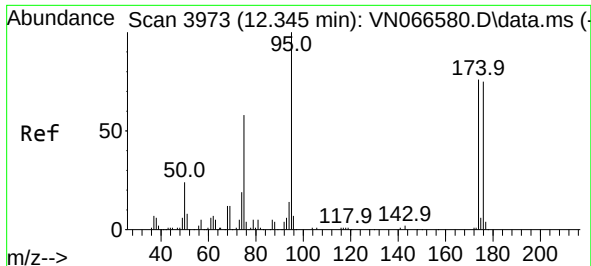
Tgt Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
58 16.1 30.4 45.6#
85 2.4 13.8 20.8#



#59
2-Hexanone
Concen: 0.21 ug/l
RT: 10.693 min Scan# 3357
Delta R.T. -0.000 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
58 48.8 41.8 62.6
57 0.0 14.9 22.3#

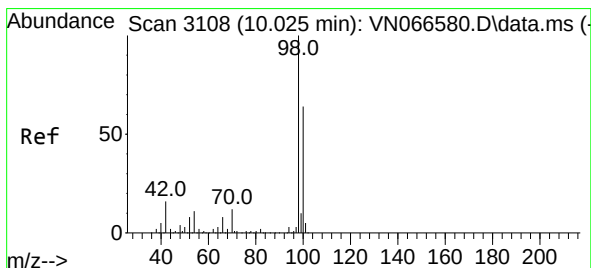
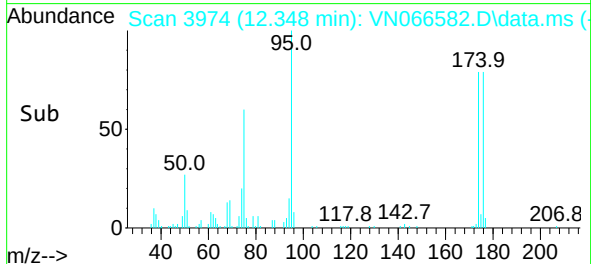
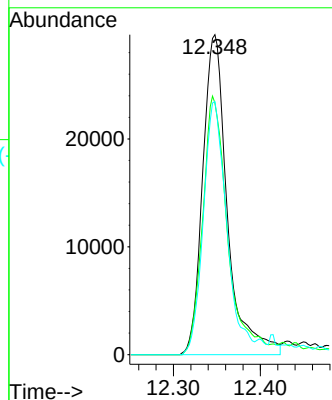
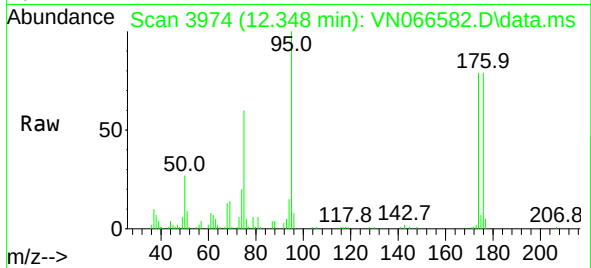




#60
4-Bromofluorobenzene
Concen: 20.14 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

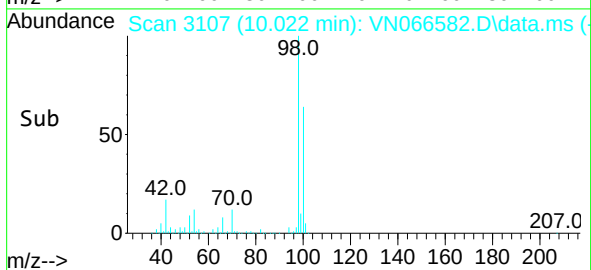
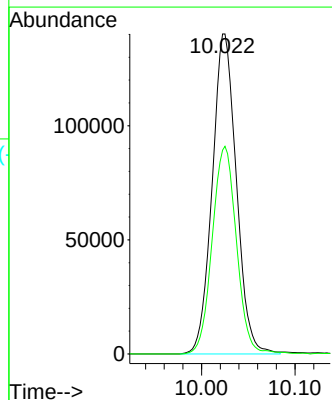
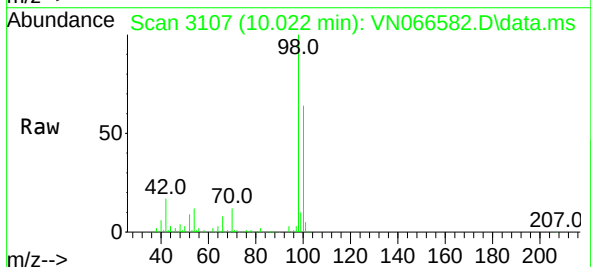
Instrument :
MSVOA_N
ClientSampleId :

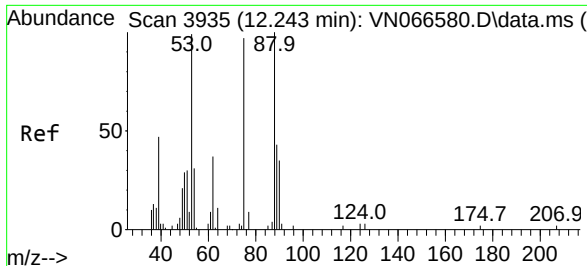
Tgt Ion: 95 Resp: 58640
Ion Ratio Lower Upper
95 100
174 78.9 68.1 102.1
176 74.9 65.4 98.0



#63
Toluene-d8
Concen: 29.40 ug/l
RT: 10.022 min Scan# 3107
Delta R.T. -0.003 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Tgt Ion: 98 Resp: 252112
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

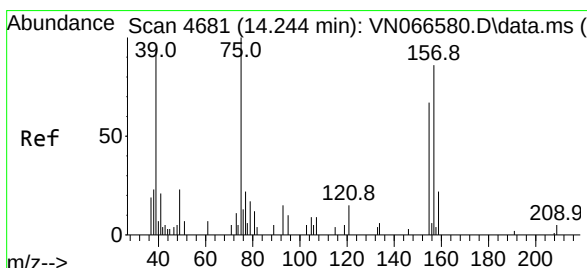
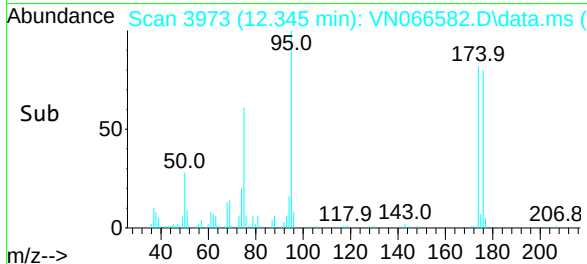
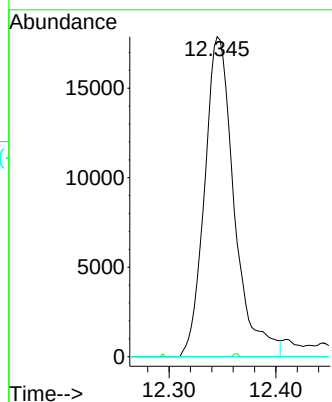
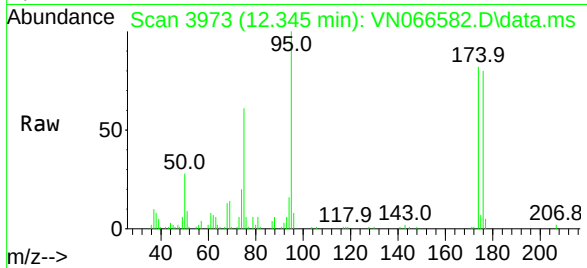




#77
t-1,4-Dichloro-2-butene
Concen: 33.08 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

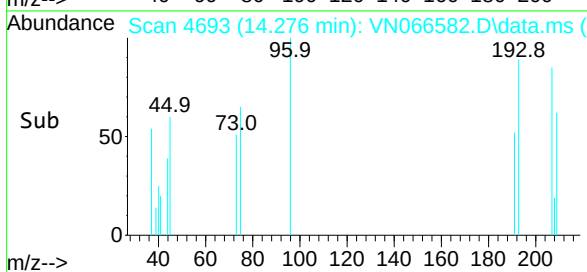
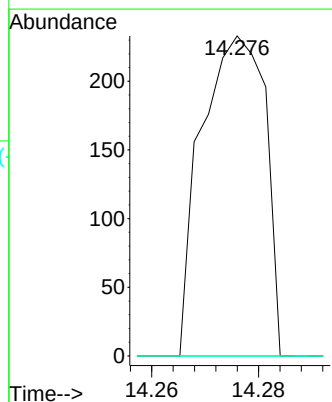
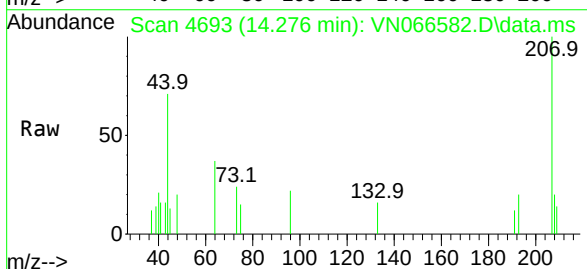
Instrument :
MSVOA_N
ClientSampled :

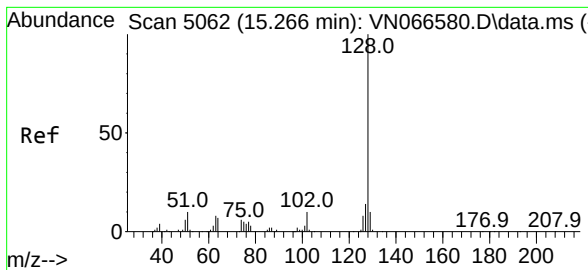
Tgt Ion: 75 Resp: 34471
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.27 ug/l
RT: 14.276 min Scan# 4693
Delta R.T. 0.043 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

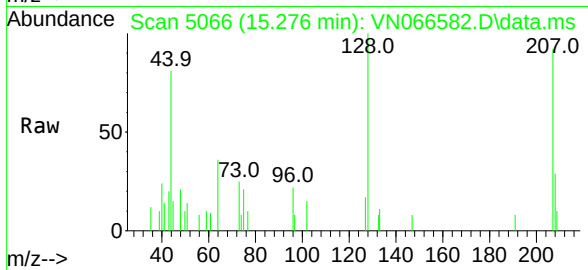
Tgt Ion: 75 Resp: 193
Ion Ratio Lower Upper
75 100
155 0.0 68.3 102.5#
157 0.0 87.8 131.6#





#91
Naphthalene
Concen: 0.54 ug/l
RT: 15.276 min Scan# 5066
Delta R.T. 0.010 min
Lab File: VN066582.D
Acq: 13 Apr 2021 16:56

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4105
Ion Ratio Lower Upper
128 100
127 8.5 10.2 15.2#
129 0.0 8.6 13.0#

