

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066586.D
 Acq On : 13 Apr 2021 18:41
 Operator : JC/MD
 Sample : M2021-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:26:52 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)

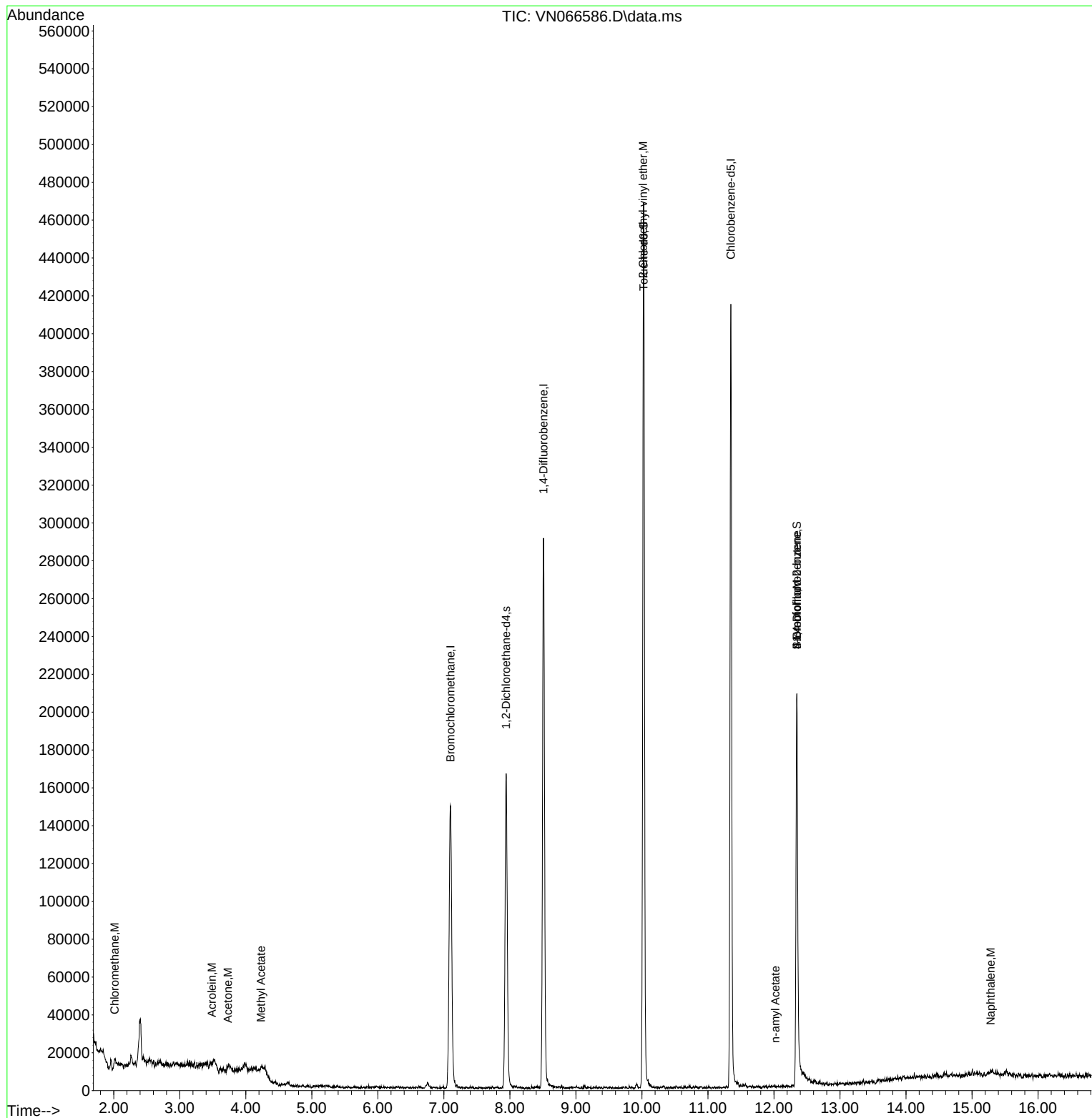
Internal Standards						
1) Bromochloromethane	7.102	128	50480	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.510	114	224538	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	210956	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	139814	30.23	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.77%
60) 4-Bromofluorobenzene	12.348	95	69561	20.52	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.40%
63) Toluene-d8	10.025	98	291932	29.25	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.50%
Target Compounds						
						Qvalue
3) Chloromethane	2.014	50	3084	0.61	ug/l	98
12) Methyl Acetate	4.232	43	1903	0.28	ug/l #	63
13) Acrolein	3.486	56	329	0.45	ug/l	86
15) Acetone	3.728	58	200	0.31	ug/l #	33
47) n-amyl Acetate	12.023	43	112	11.96	ug/l #	54
55) 2-Chloroethyl vinyl ether	10.020	63	294	43.71	ug/l #	1
56) Bromoform	12.348	173	861	0.36	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.348	75	42365	34.93	ug/l #	10
91) Naphthalene	15.282	128	1820	0.21	ug/l #	78

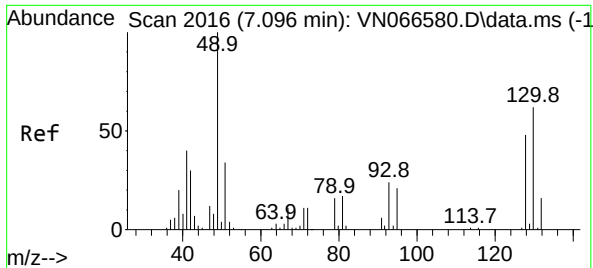
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
Data File : VN066586.D
Acq On : 13 Apr 2021 18:41
Operator : JC/MD
Sample : M2021-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 14 02:26:52 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

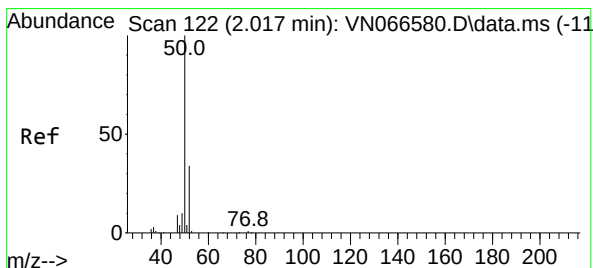
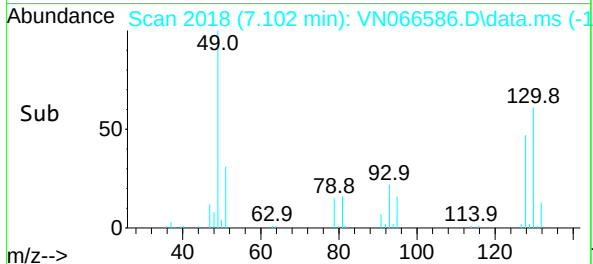
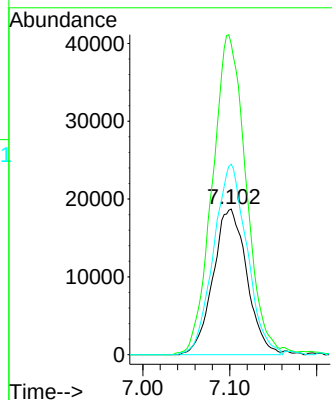
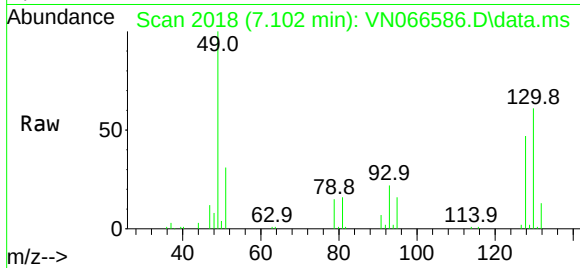




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.102 min Scan# 2018
Delta R.T. -0.005 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

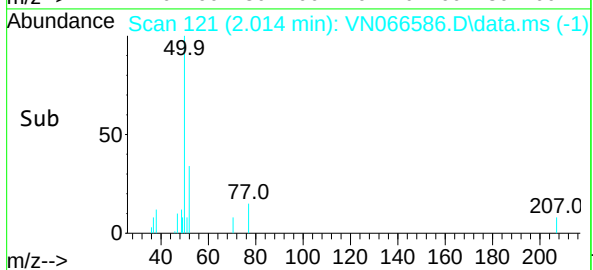
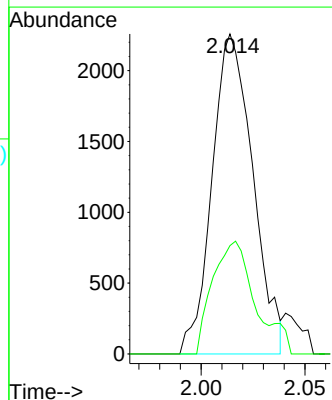
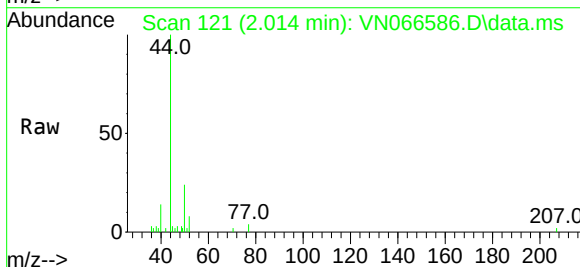
Instrument :
MSVOA_N
ClientSampled :

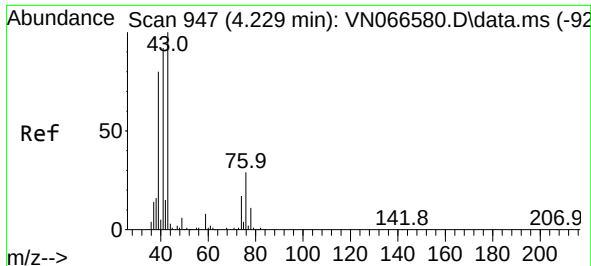
Tgt Ion:128 Resp: 50480
Ion Ratio Lower Upper
128 100
49 218.3 0.0 429.3
130 129.3 0.0 328.5



#3
Chloromethane
Concen: 0.61 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Tgt Ion: 50 Resp: 3084
Ion Ratio Lower Upper
50 100
52 33.8 26.2 39.4

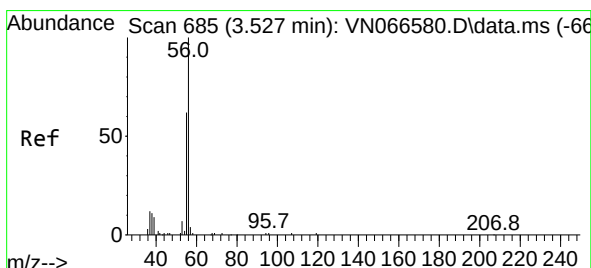
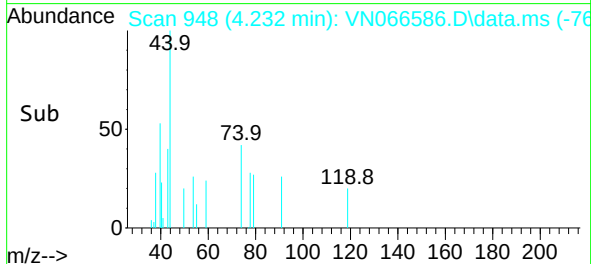
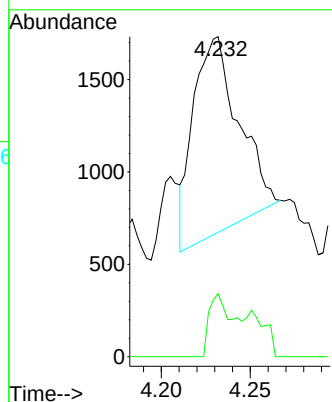
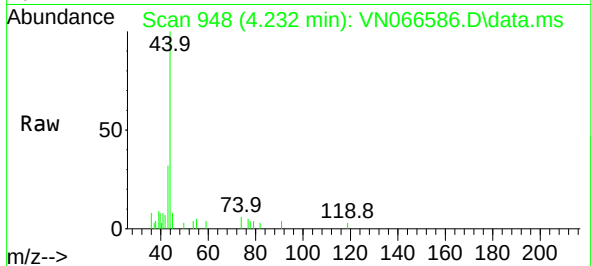




#12
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.232 min Scan# 948
Delta R.T. 0.003 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

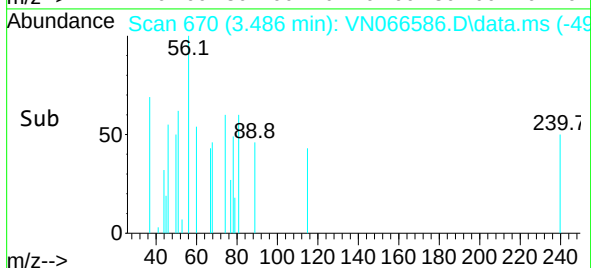
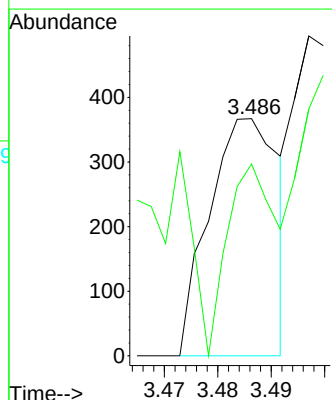
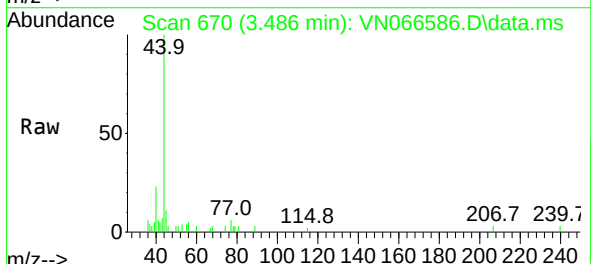
Instrument :
MSVOA_N
ClientSampled :

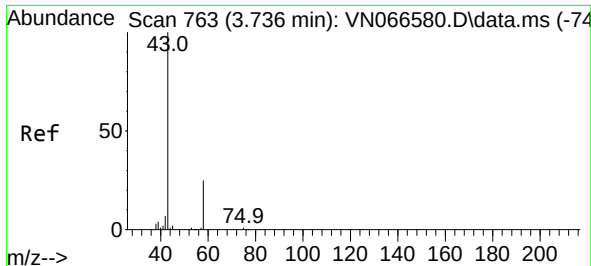
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
74 40.4 18.0 27.0#



#13
Acrolein
Concen: 0.45 ug/l
RT: 3.486 min Scan# 670
Delta R.T. -0.041 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 56.5 54.1 81.1

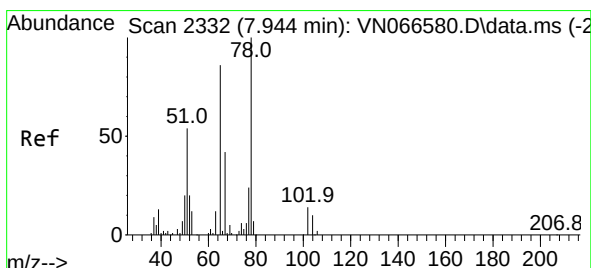
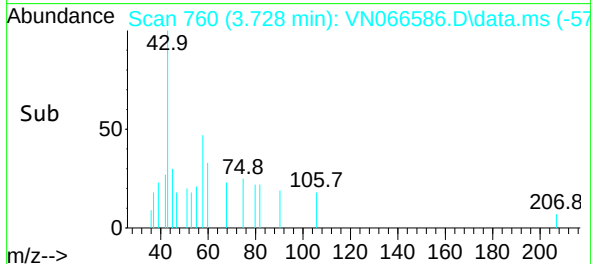
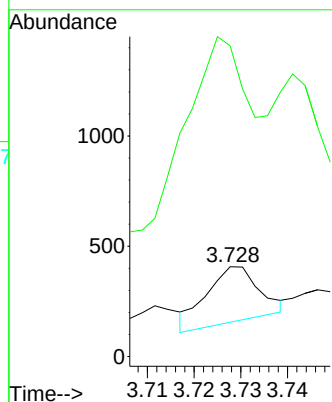
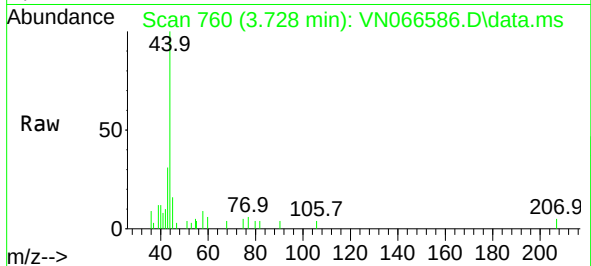




#15
Acetone
Concen: 0.31 ug/l
RT: 3.728 min Scan# 760
Delta R.T. -0.005 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

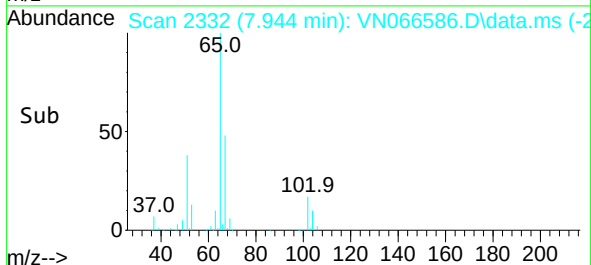
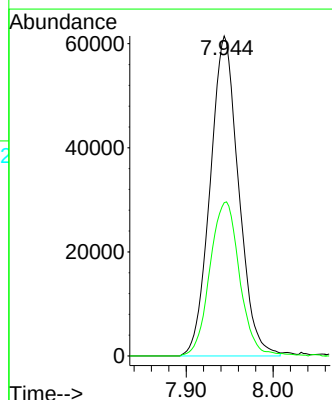
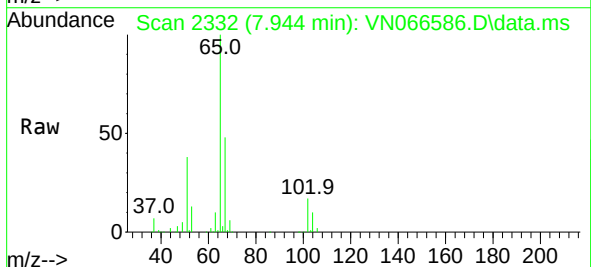
Instrument :
MSVOA_N
ClientSampled :

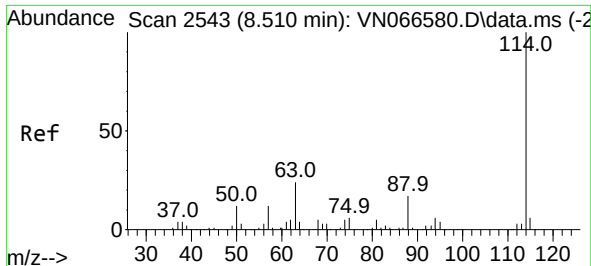
Tgt Ion: 58 Resp: 200
Ion Ratio Lower Upper
58 100
43 193.2 267.3 400.9#



#27
1,2-Dichloroethane-d4
Concen: 30.23 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Tgt Ion: 65 Resp: 139814
Ion Ratio Lower Upper
65 100
67 50.0 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: VN066586.D

Acq: 13 Apr 2021 18:41

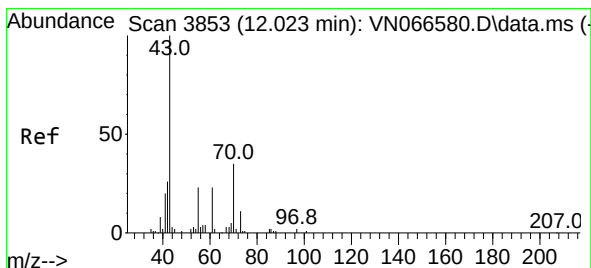
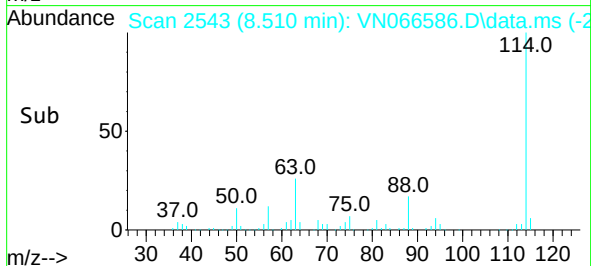
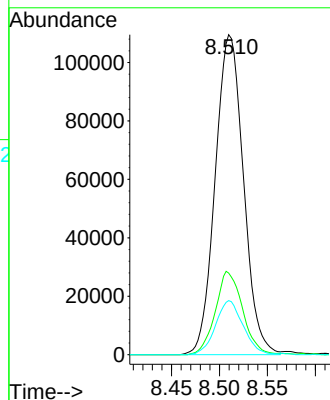
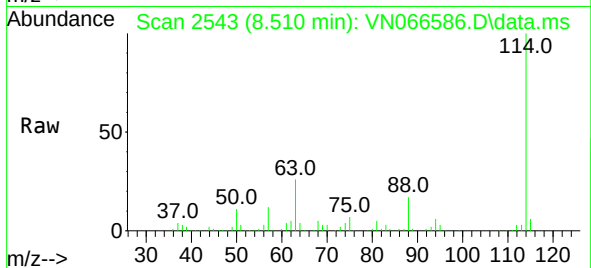
Tgt Ion:114 Resp: 224538

Ion Ratio Lower Upper

114 100

63 25.1 17.4 26.0

88 16.5 12.6 19.0



#47

n-amy1 Acetate

Concen: 11.96 ug/l

RT: 12.023 min Scan# 3853

Delta R.T. -0.006 min

Lab File: VN066586.D

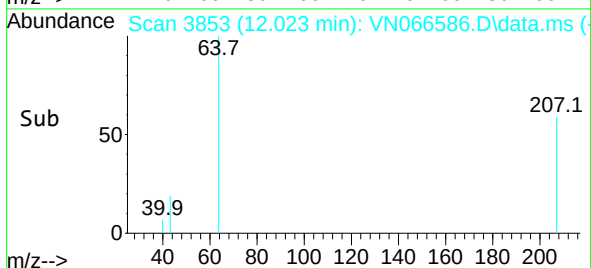
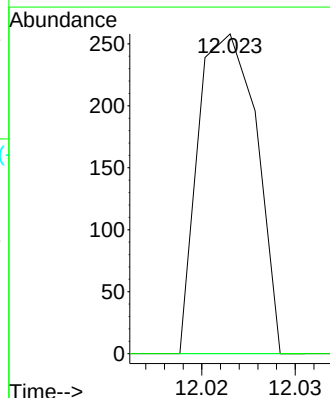
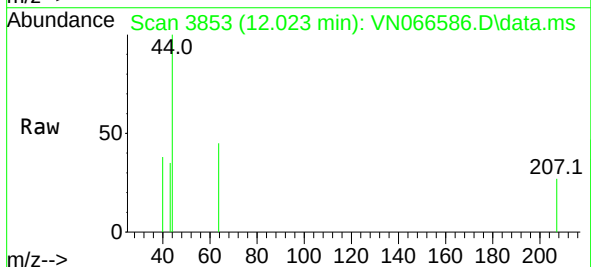
Acq: 13 Apr 2021 18:41

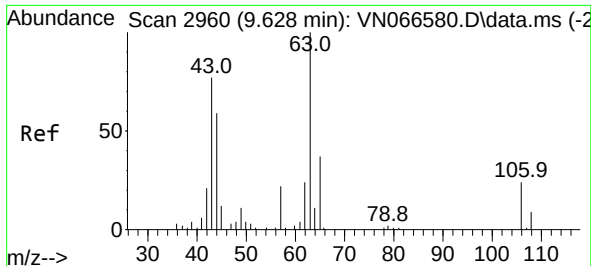
Tgt Ion: 43 Resp: 112

Ion Ratio Lower Upper

43 100

55 0.0 17.7 26.5#

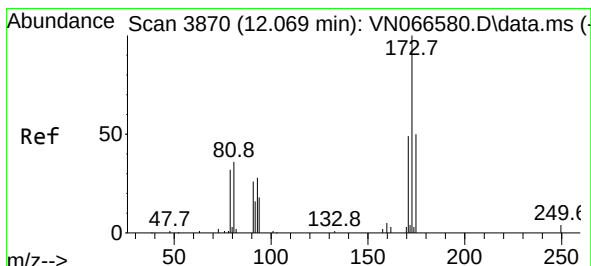
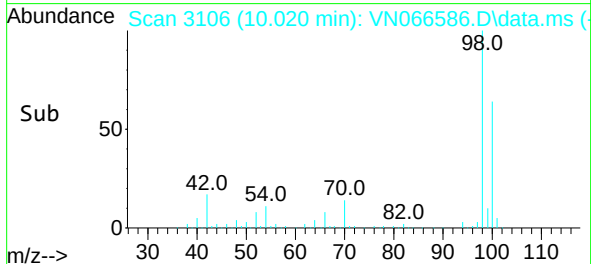
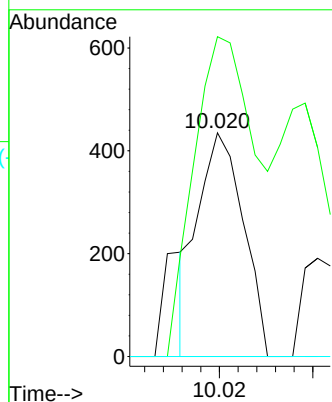
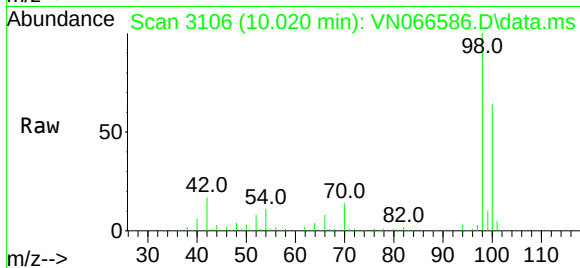




#55
2-Chloroethyl vinyl ether
Concen: 43.71 ug/l
RT: 10.020 min Scan# 3106
Delta R.T. 0.389 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

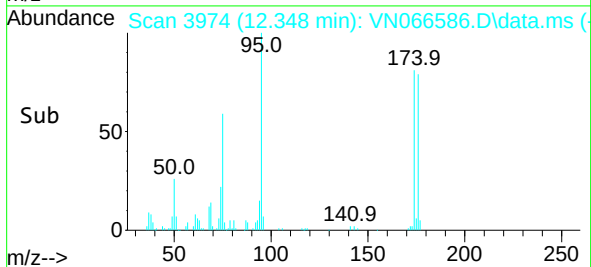
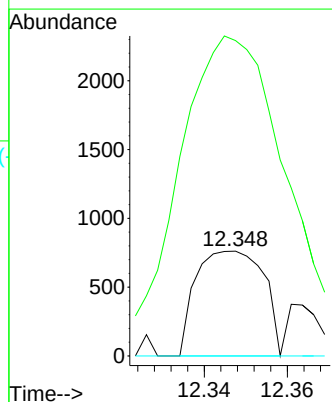
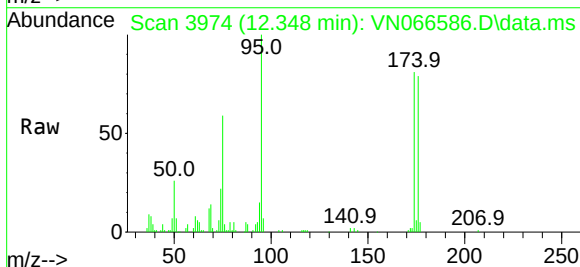
Instrument :
MSVOA_N
ClientSampled :

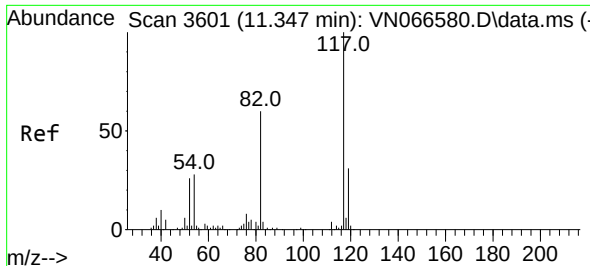
Tgt Ion: 63 Resp: 294
Ion Ratio Lower Upper
63 100
65 195.6 26.0 39.0#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.36 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.276 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Tgt Ion: 173 Resp: 861
Ion Ratio Lower Upper
173 100
175 492.1 38.3 57.5#
254 0.0 0.0 0.0

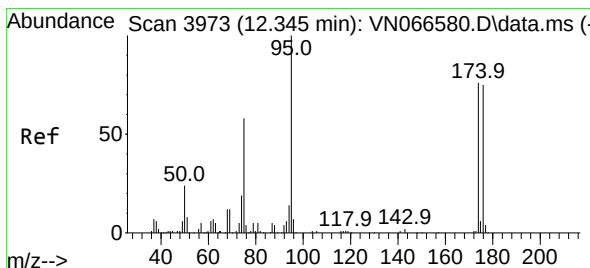
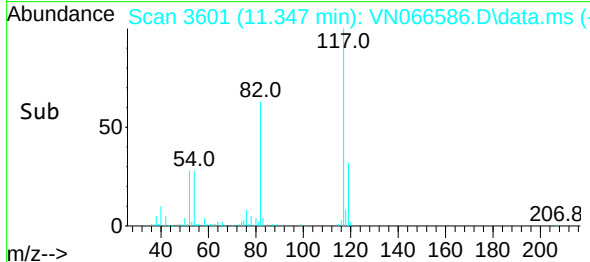
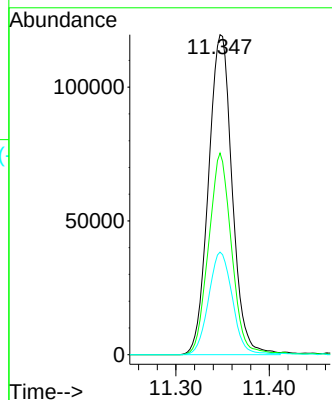
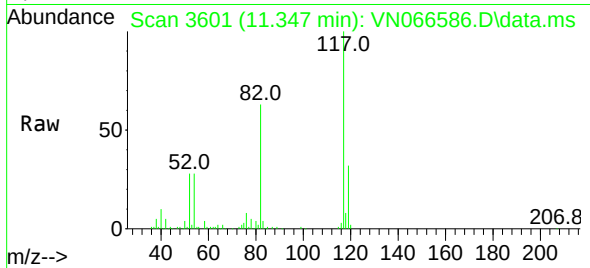




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

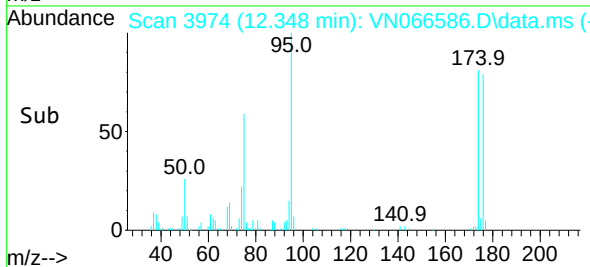
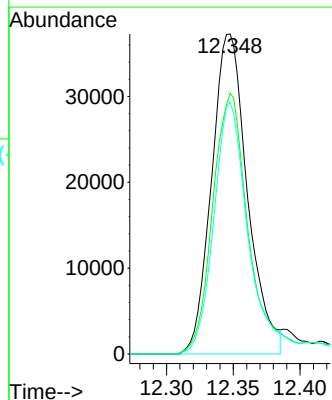
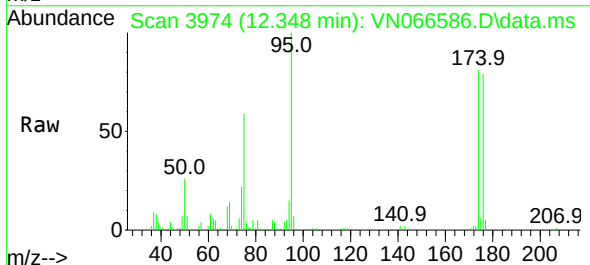
Instrument :
MSVOA_N
ClientSampleId :

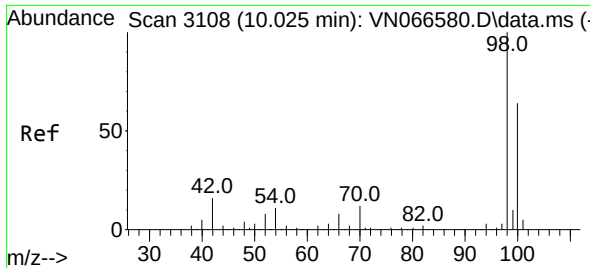
Tgt Ion:	117	Resp:	210956
Ion	Ratio	Lower	Upper
117	100		
82	61.0	45.0	67.6
119	32.2	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 20.52 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Tgt Ion:	95	Resp:	69561
Ion	Ratio	Lower	Upper
95	100		
174	81.2	68.1	102.1
176	75.9	65.4	98.0

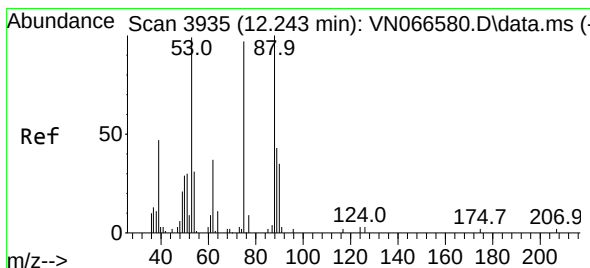
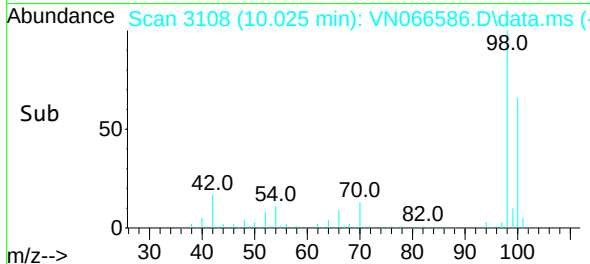
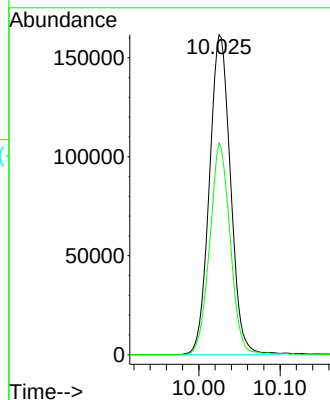
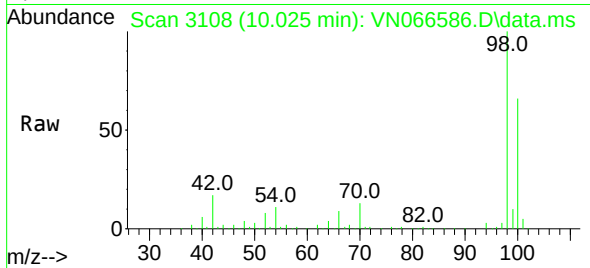




#63
Toluene-d8
Concen: 29.25 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

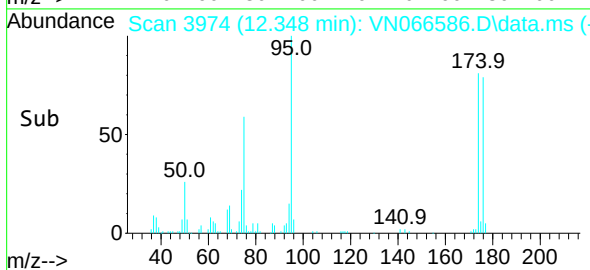
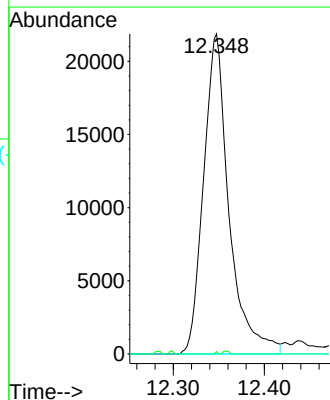
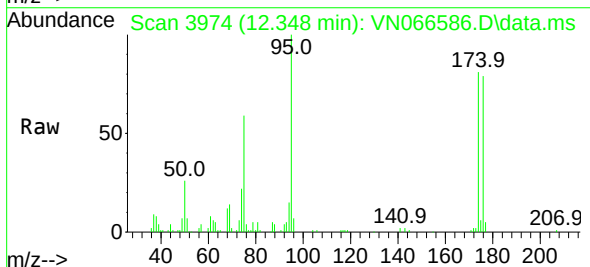
Instrument :
MSVOA_N
ClientSampled :

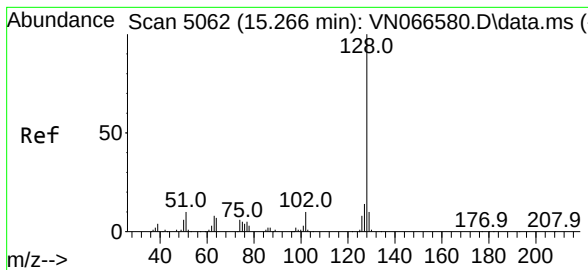
Tgt Ion: 98 Resp: 291932
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 34.93 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

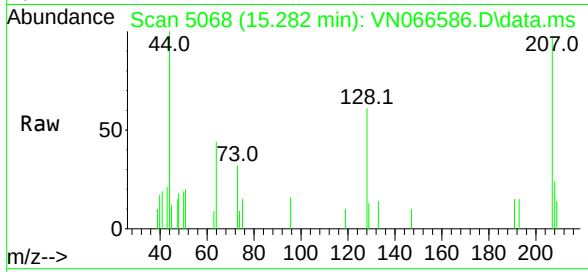
Tgt Ion: 75 Resp: 42365
Ion Ratio Lower Upper
75 100
53 0.7 49.6 149.0#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 0.21 ug/l
RT: 15.282 min Scan# 5068
Delta R.T. 0.016 min
Lab File: VN066586.D
Acq: 13 Apr 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1820
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 7.1 8.6 13.0#

