

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066587.D
 Acq On : 13 Apr 2021 19:04
 Operator : JC/MD
 Sample : M2021-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:27:05 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)

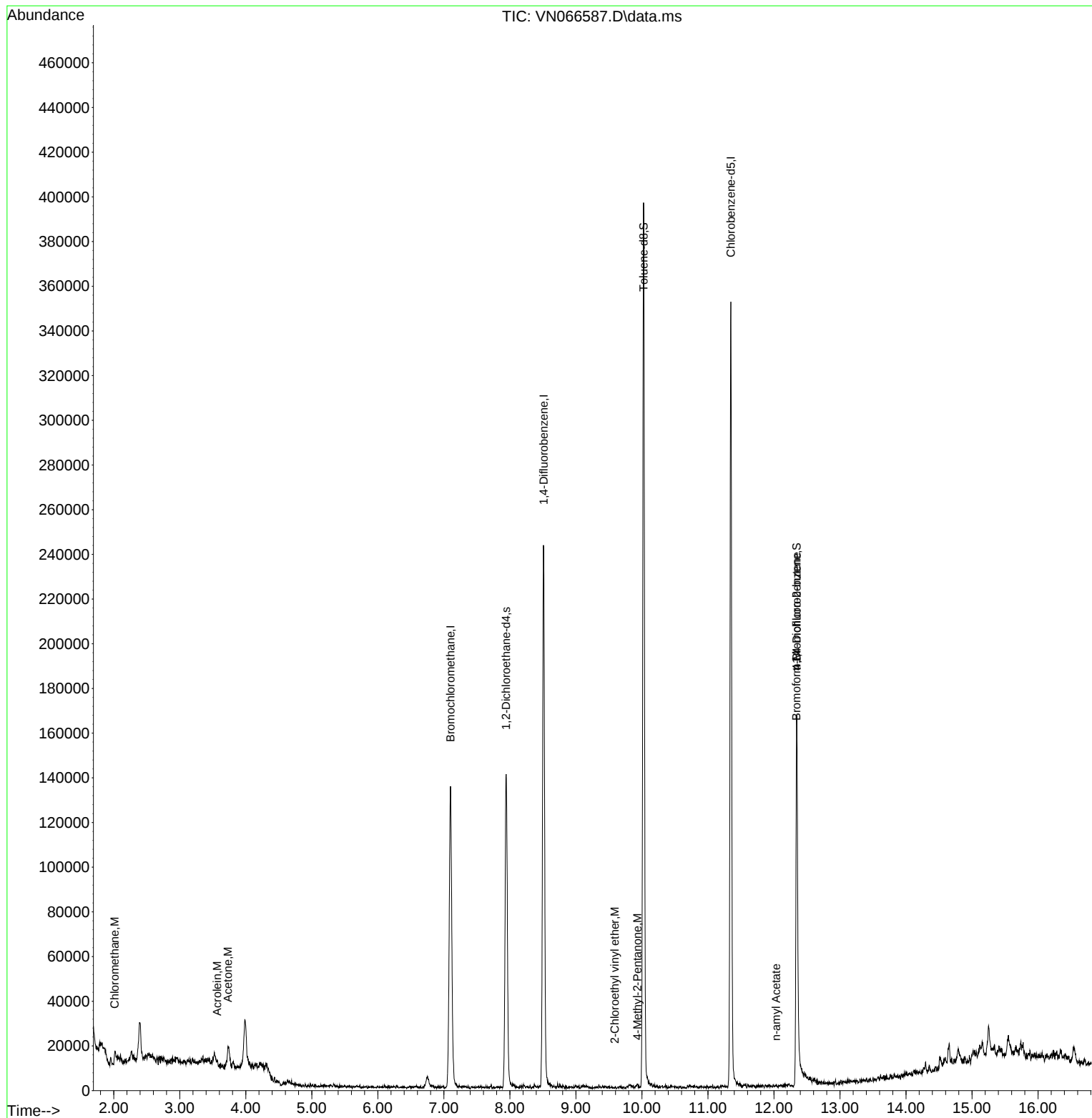
Internal Standards						
1) Bromochloromethane	7.102	128	43246	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	188020	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	177630	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	121650	30.70	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.33%
60) 4-Bromofluorobenzene	12.345	95	57180	20.04	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.80%
63) Toluene-d8	10.025	98	245528	29.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.37%
Target Compounds						Qvalue
3) Chloromethane	2.014	50	3044	0.70	ug/l	94
13) Acrolein	3.564	56	266	0.42	ug/l	91
15) Acetone	3.731	58	3942	7.13	ug/l	78
47) n-amyl Acetate	12.034	43	58	11.96	ug/l #	54
55) 2-Chloroethyl vinyl ether	9.588	63	56	43.39	ug/l #	45
56) Bromoform	12.340	173	505	0.25	ug/l #	29
58) 4-Methyl-2-Pentanone	9.931	43	1135	0.26	ug/l #	67
77) t-1,4-Dichloro-2-butene	12.345	75	33490	32.79	ug/l #	10

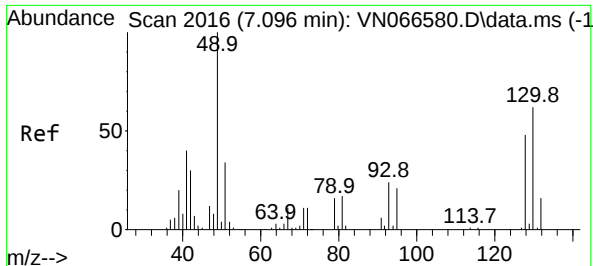
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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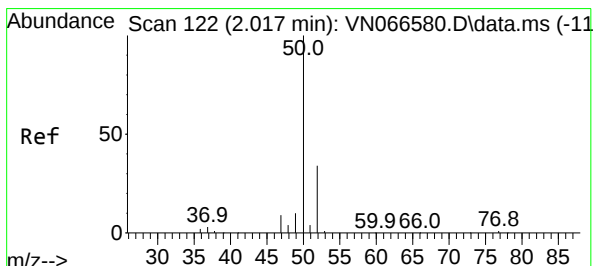
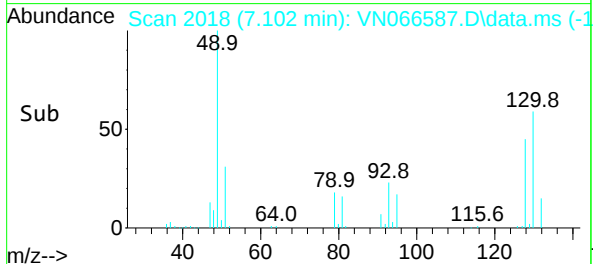
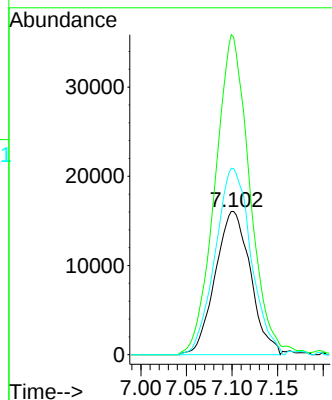
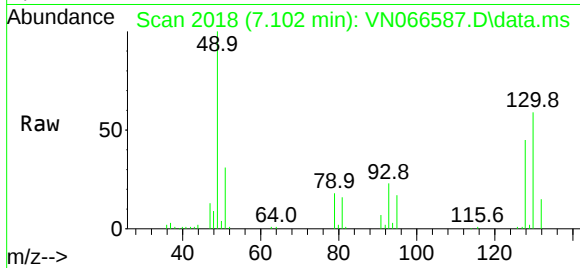




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.102 min Scan# 2018
Delta R.T. -0.005 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

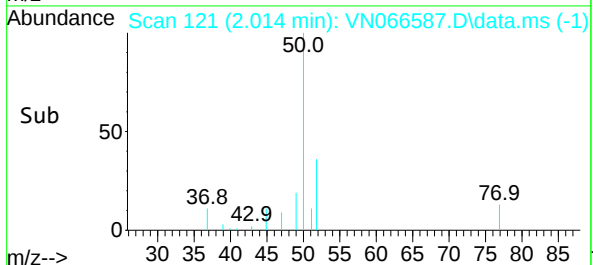
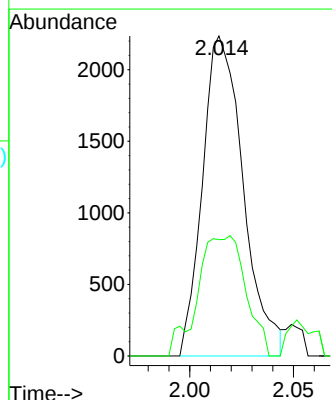
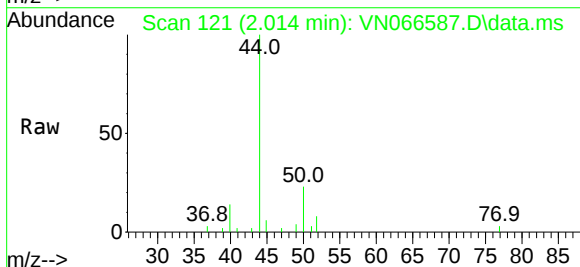
Instrument :
MSVOA_N
ClientSampleId :

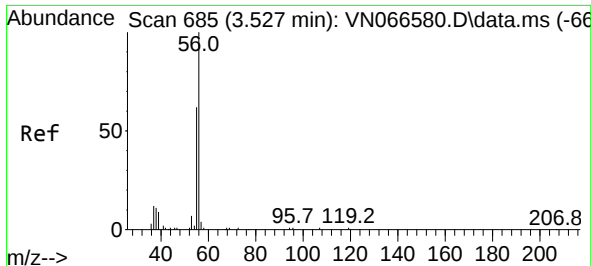
Tgt Ion:128 Resp: 43246
Ion Ratio Lower Upper
128 100
49 217.3 0.0 429.3
130 132.1 0.0 328.5



#3
Chloromethane
Concen: 0.70 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

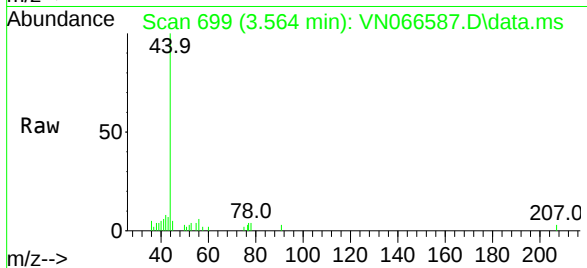
Tgt Ion: 50 Resp: 3044
Ion Ratio Lower Upper
50 100
52 36.4 26.2 39.4



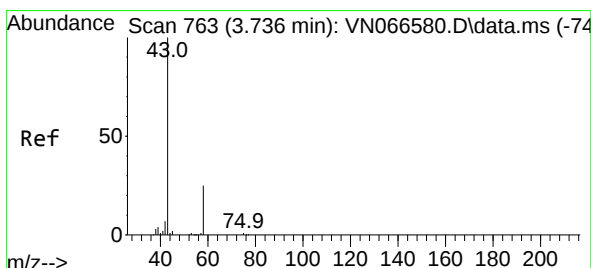
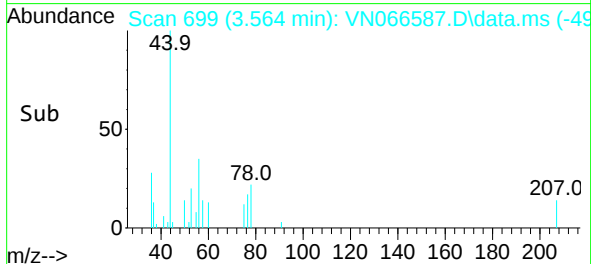
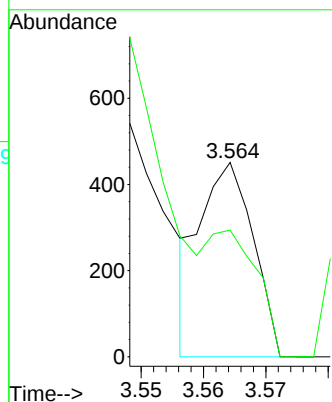


#13
Acrolein
Concen: 0.42 ug/l
RT: 3.564 min Scan# 699
Delta R.T. 0.037 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Instrument :
MSVOA_N
ClientSampled :

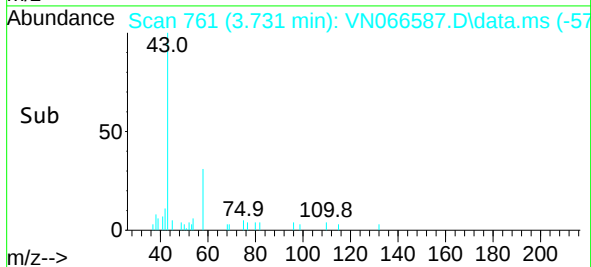
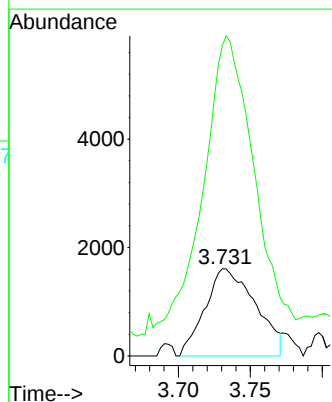
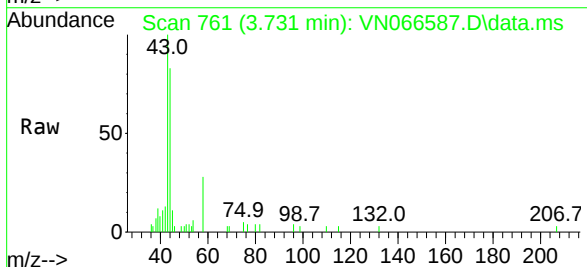


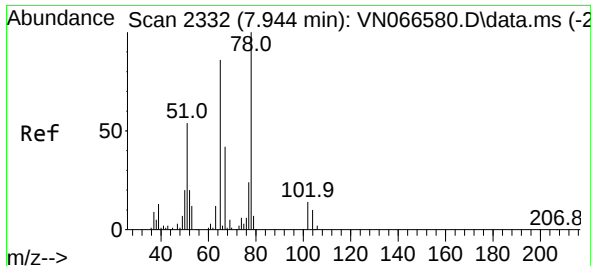
Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 60.2 54.1 81.1



#15
Acetone
Concen: 7.13 ug/l
RT: 3.731 min Scan# 761
Delta R.T. -0.002 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Tgt Ion: 58 Resp: 3942
Ion Ratio Lower Upper
58 100
43 288.4 267.3 400.9





#27

1,2-Dichloroethane-d4

Concen: 30.70 ug/l

RT: 7.944 min Scan# 2332

Delta R.T. -0.003 min

Lab File: VN066587.D

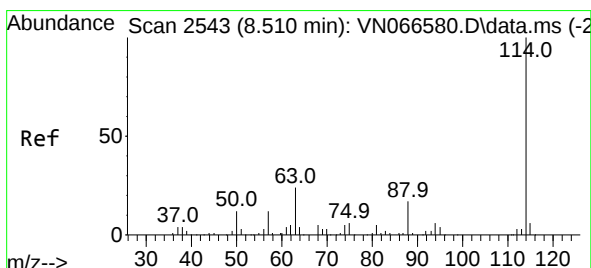
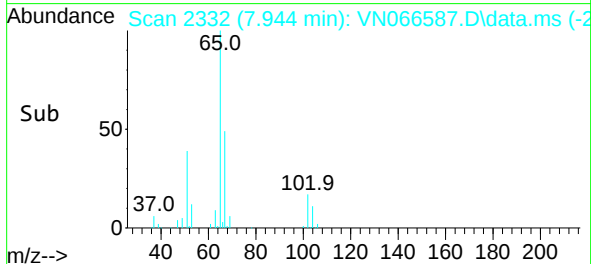
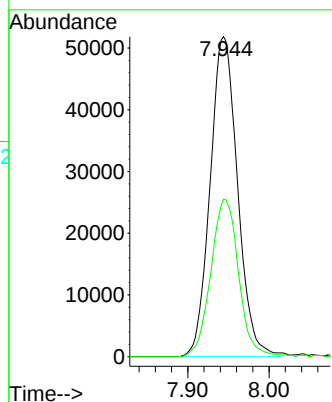
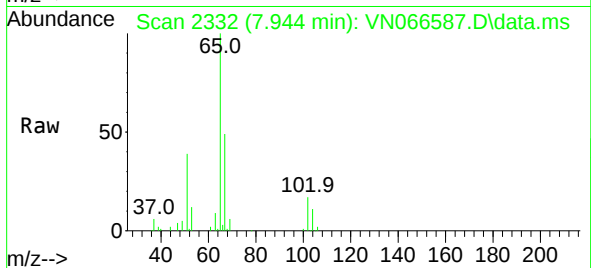
Acq: 13 Apr 2021 19:04

Tgt Ion: 65 Resp: 121650

Ion Ratio Lower Upper

65 100

67 49.6 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.512 min Scan# 2544

Delta R.T. -0.001 min

Lab File: VN066587.D

Acq: 13 Apr 2021 19:04

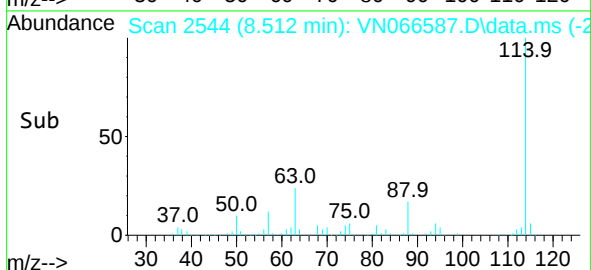
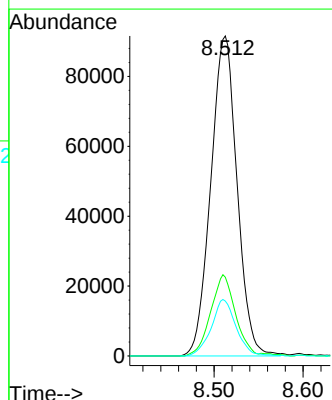
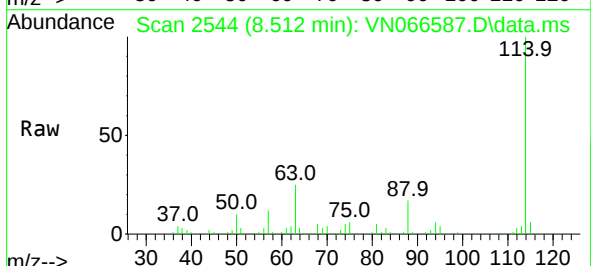
Tgt Ion: 114 Resp: 188020

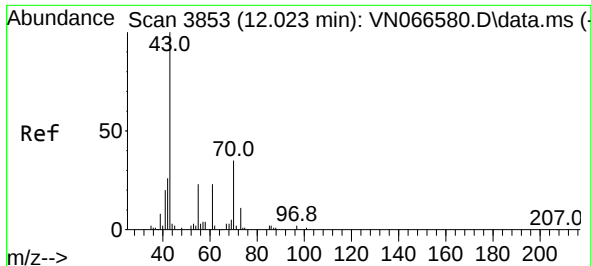
Ion Ratio Lower Upper

114 100

63 23.8 17.4 26.0

88 16.7 12.6 19.0

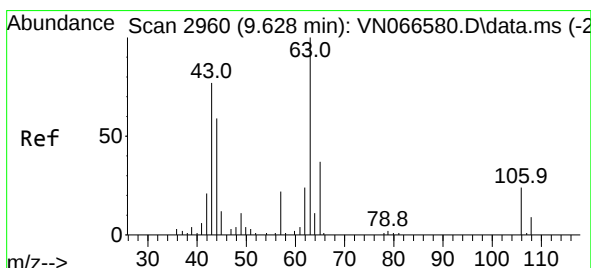
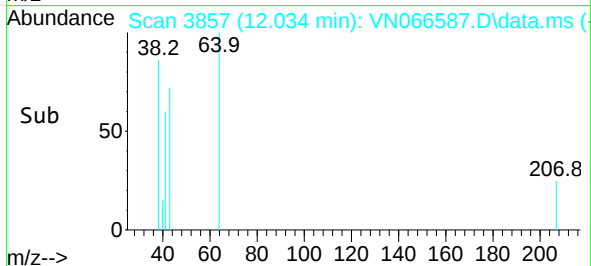
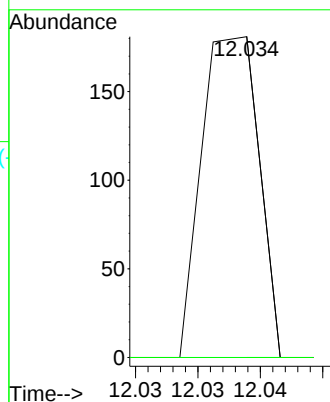
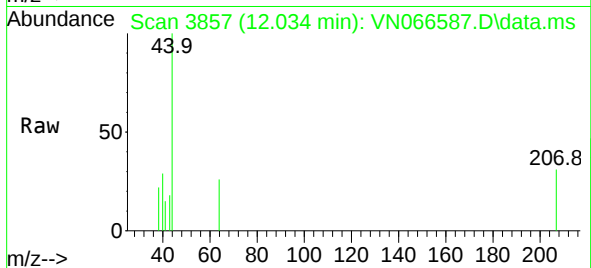




#47
n-amyl Acetate
Concen: 11.96 ug/l
RT: 12.034 min Scan# 3857
Delta R.T. 0.005 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

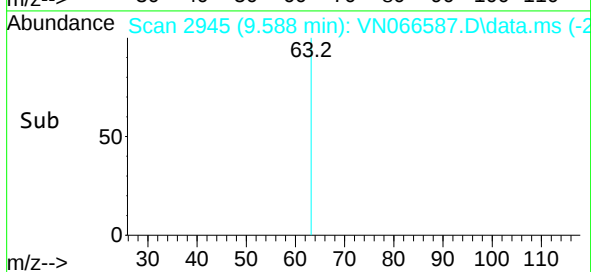
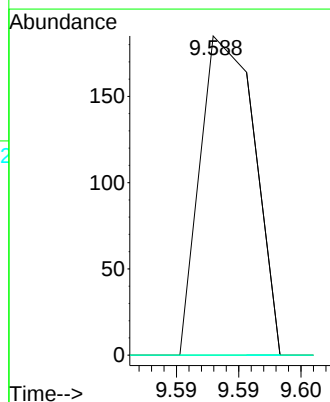
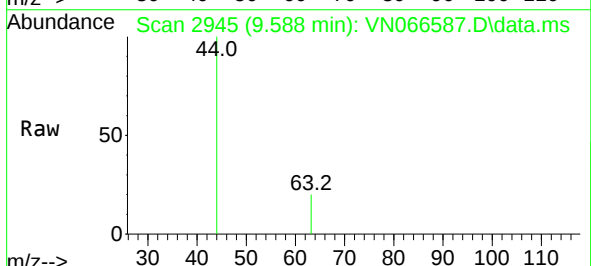
Instrument :
MSVOA_N
ClientSampled :

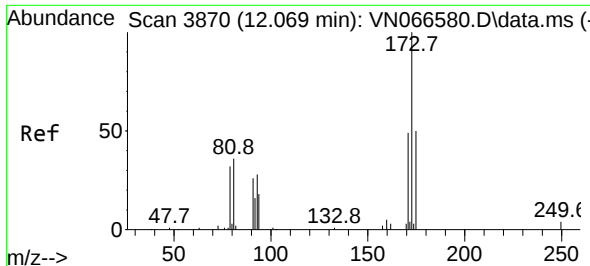
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#



#55
2-Chloroethyl vinyl ether
Concen: 43.39 ug/l
RT: 9.588 min Scan# 2945
Delta R.T. -0.043 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#

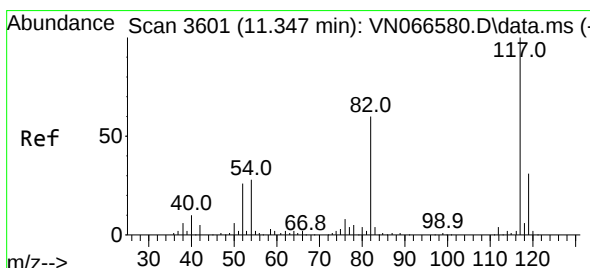
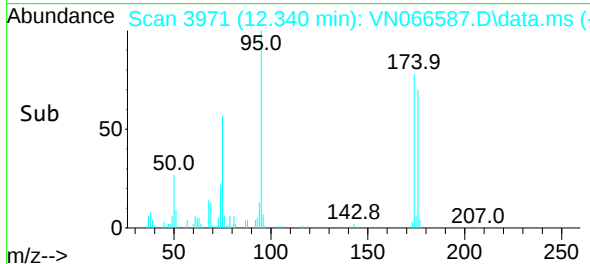
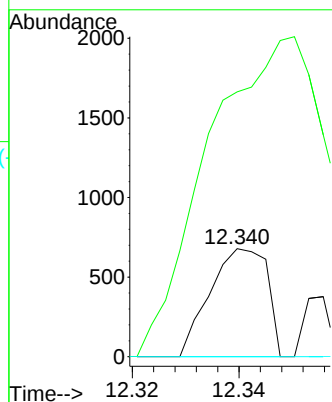
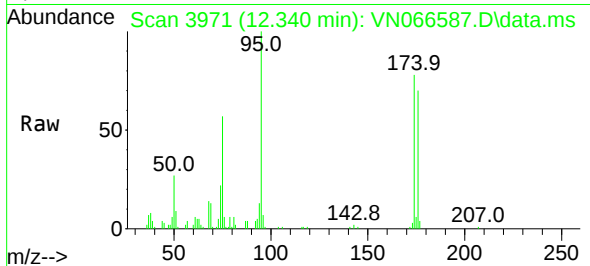




#56
Bromoform
Concen: 0.25 ug/l
RT: 12.340 min Scan# 3971
Delta R.T. 0.268 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

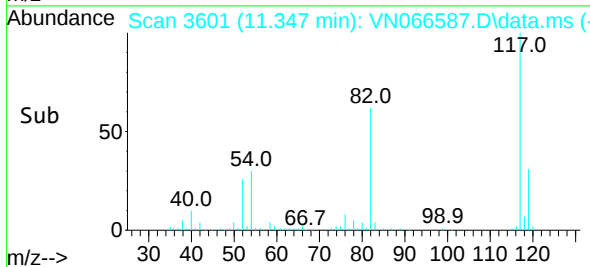
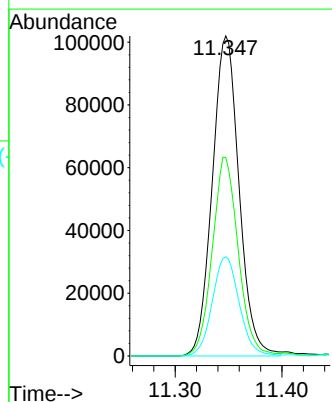
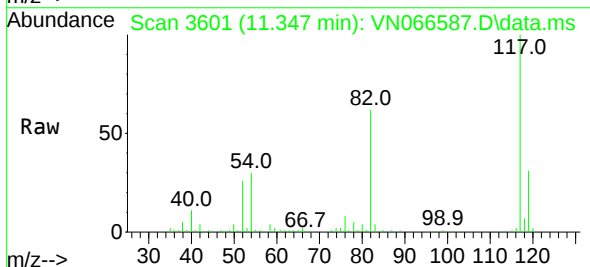
Instrument :
MSVOA_N
ClientSampleId :

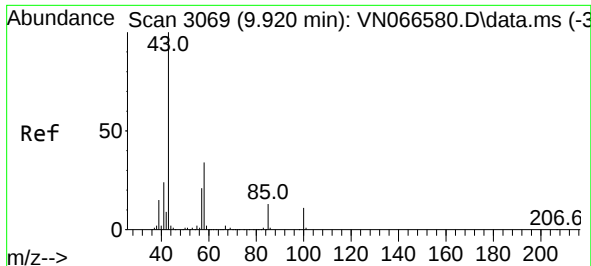
Tgt Ion:173 Resp: 505
Ion Ratio Lower Upper
173 100
175 0.0 38.3 57.5#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Tgt Ion:117 Resp: 177630
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 31.2 25.5 38.3

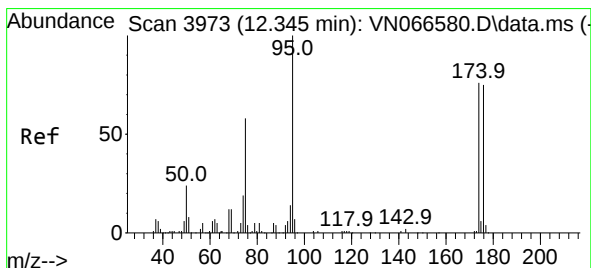
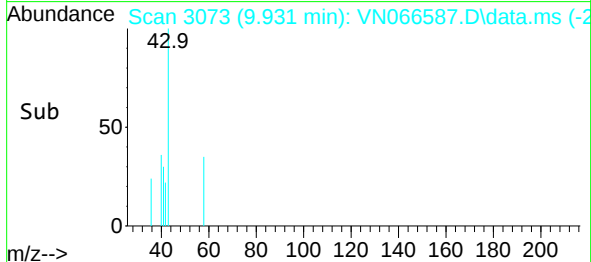
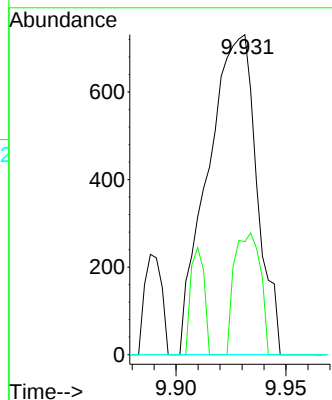
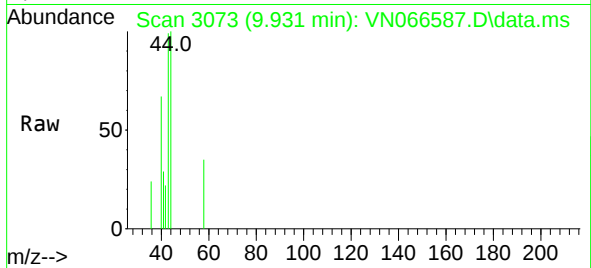




#58
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 9.931 min Scan# 3073
Delta R.T. 0.013 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

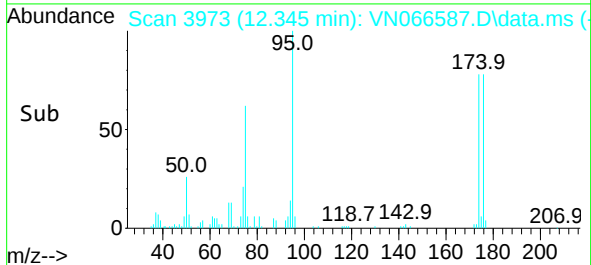
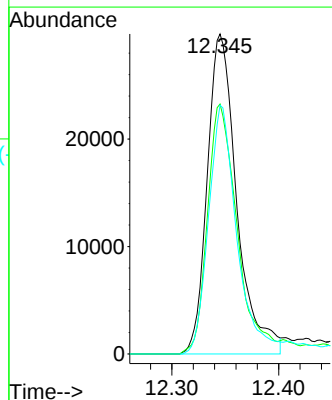
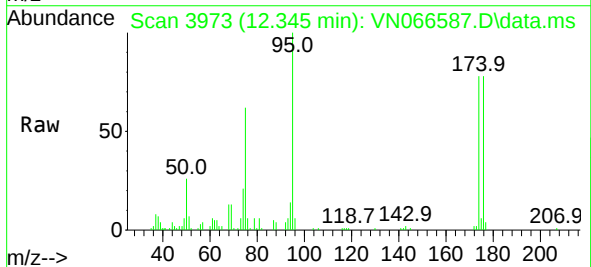
Instrument :
MSVOA_N
ClientSampleId :

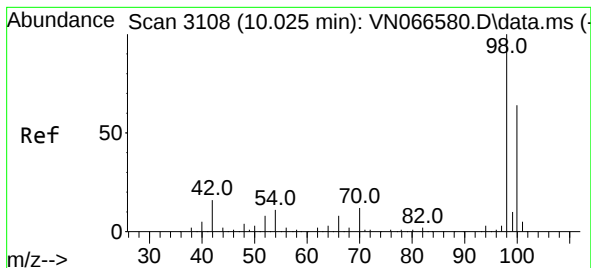
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 20.1 30.4 45.6#
85 0.0 13.8 20.8#



#60
4-Bromofluorobenzene
Concen: 20.04 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Tgt Ion: 95 Resp: 57180
Ion Ratio Lower Upper
95 100
174 78.3 68.1 102.1
176 74.7 65.4 98.0

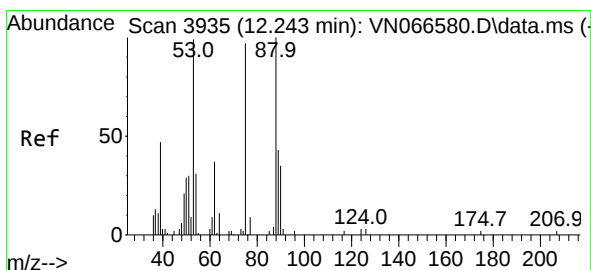
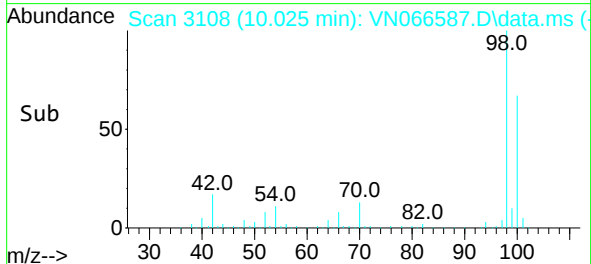
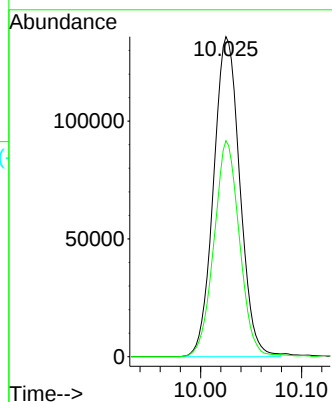
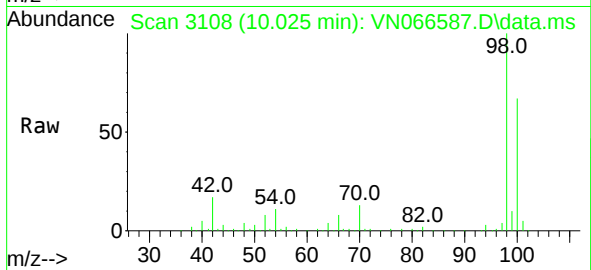




#63
Toluene-d8
Concen: 29.21 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 98 Resp: 245528
Ion Ratio Lower Upper
98 100
100 65.6 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 32.79 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066587.D
Acq: 13 Apr 2021 19:04

Tgt Ion: 75 Resp: 33490
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

