

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066588.D
 Acq On : 13 Apr 2021 19:28
 Operator : JC/MD
 Sample : M2021-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:27:17 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)

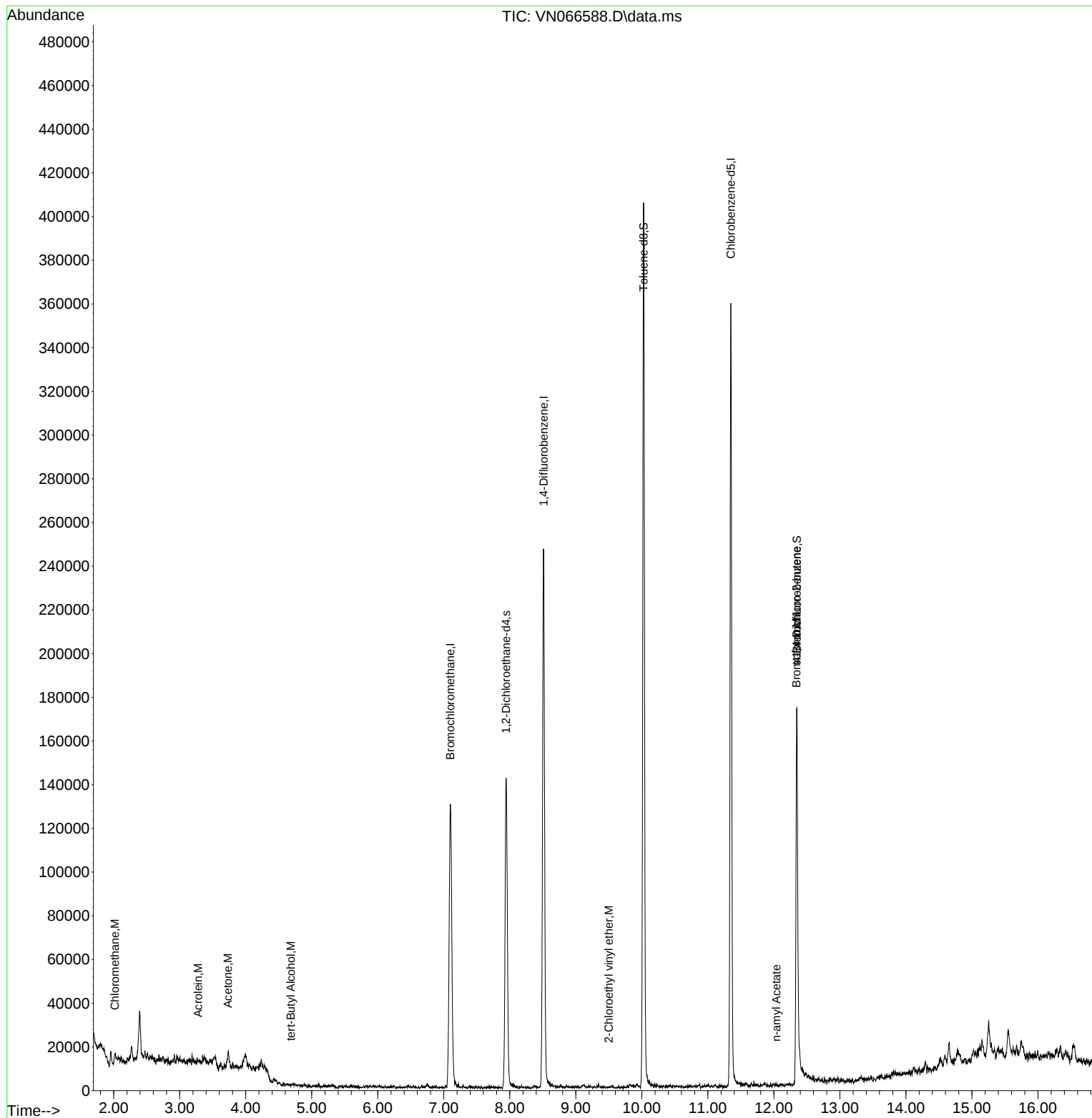
Internal Standards						
1) Bromochloromethane	7.099	128	44017	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.513	114	191344	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	180772	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	124233	30.81	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.70%
60) 4-Bromofluorobenzene	12.348	95	57200	19.70	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	65.67%
63) Toluene-d8	10.025	98	254969	29.81	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.37%
Target Compounds						
					Qvalue	
3) Chloromethane	2.017	50	3261	0.74	ug/l	100
13) Acrolein	3.277	56	154	0.24	ug/l	95
15) Acetone	3.731	58	455	0.81	ug/l	96
23) tert-Butyl Alcohol	4.683	59	159	0.30	ug/l #	100
47) n-amyl Acetate	12.037	43	263	11.99	ug/l	99
55) 2-Chloroethyl vinyl ether	9.499	63	57	43.39	ug/l #	45
56) Bromoform	12.342	173	471	0.23	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.345	75	35003	33.68	ug/l #	10

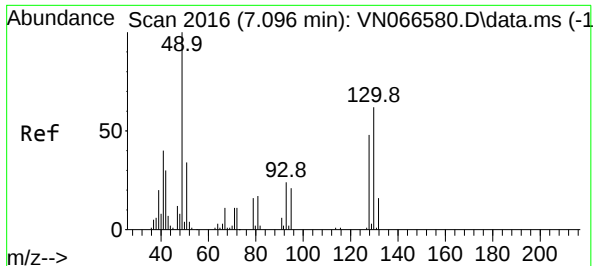
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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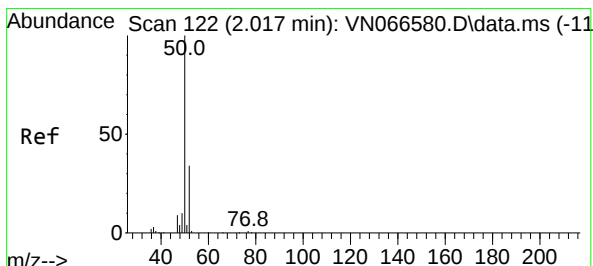
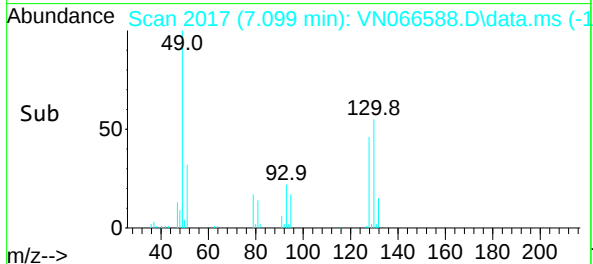
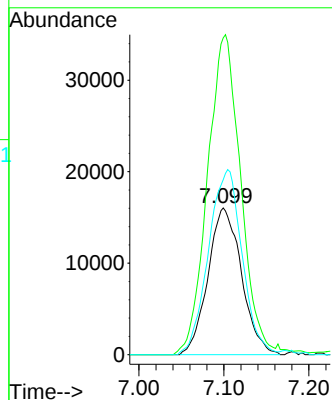
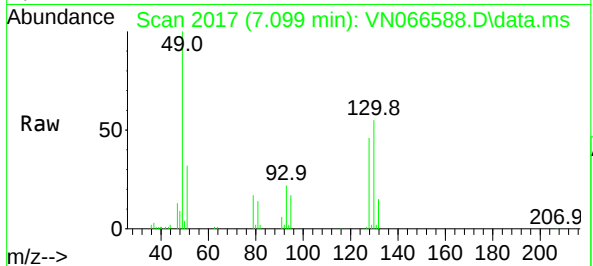




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.099 min Scan# 2017
Delta R.T. -0.008 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

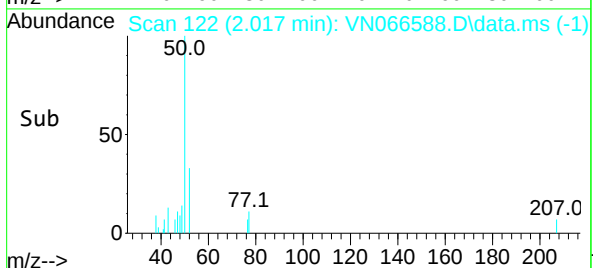
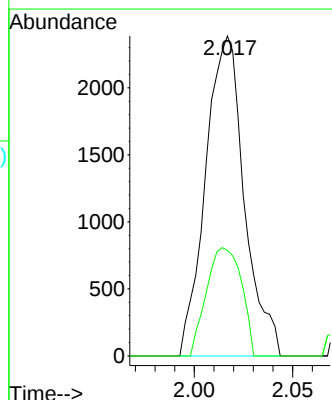
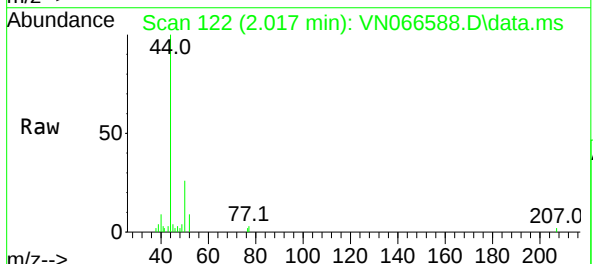
Instrument :
MSVOA_N
ClientSampled :

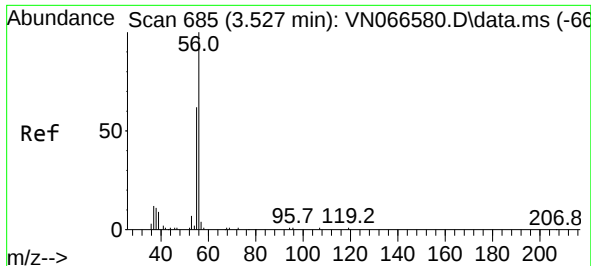
Tgt Ion:128 Resp: 44017
Ion Ratio Lower Upper
128 100
49 214.6 0.0 429.3
130 126.5 0.0 328.5



#3
Chloromethane
Concen: 0.74 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Tgt Ion: 50 Resp: 3261
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.4





#13

Acrolein

Concen: 0.24 ug/l

RT: 3.277 min Scan# 592

Delta R.T. -0.250 min

Lab File: VN066588.D

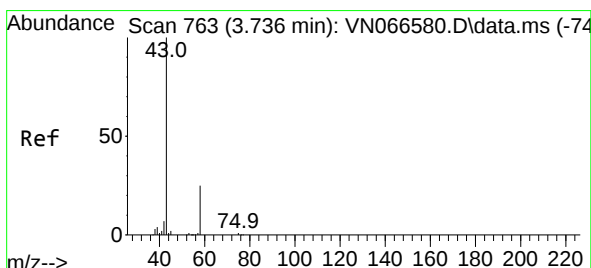
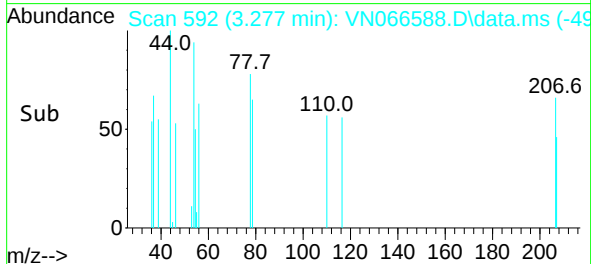
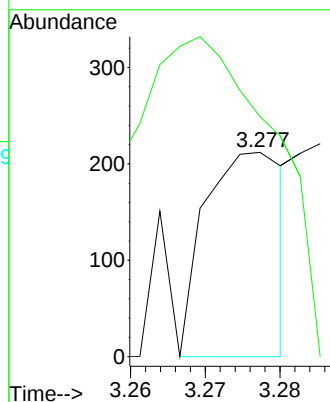
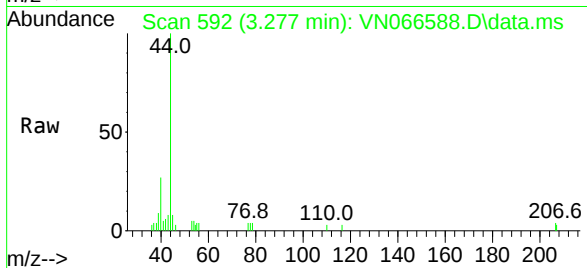
Acq: 13 Apr 2021 19:28

Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 63.6 54.1 81.1



#15

Acetone

Concen: 0.81 ug/l

RT: 3.731 min Scan# 761

Delta R.T. -0.002 min

Lab File: VN066588.D

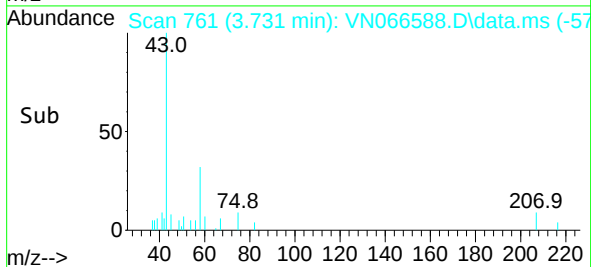
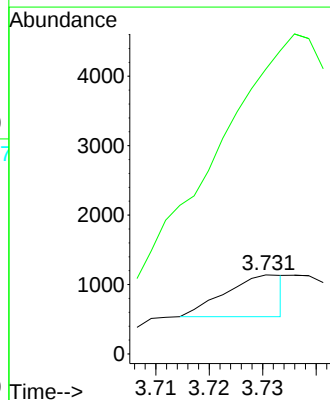
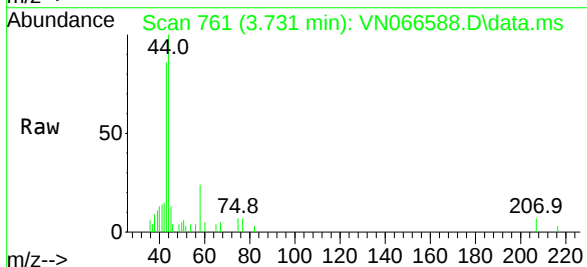
Acq: 13 Apr 2021 19:28

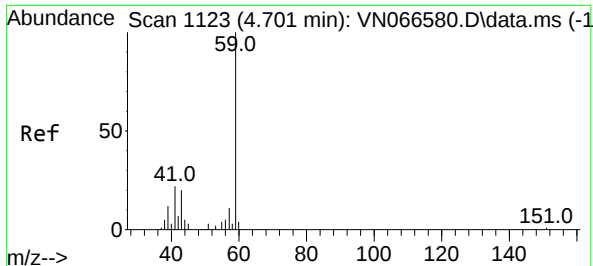
Tgt Ion: 58 Resp: 455

Ion Ratio Lower Upper

58 100

43 326.0 267.3 400.9

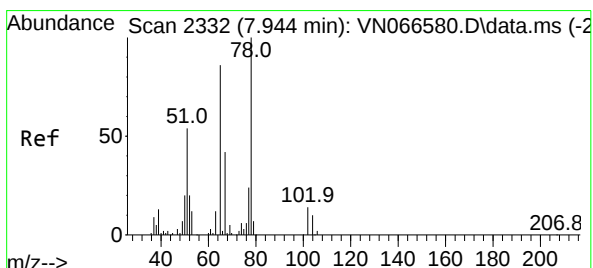
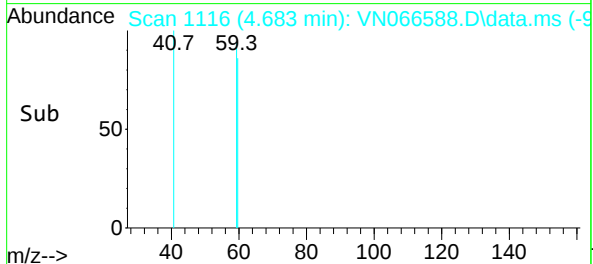
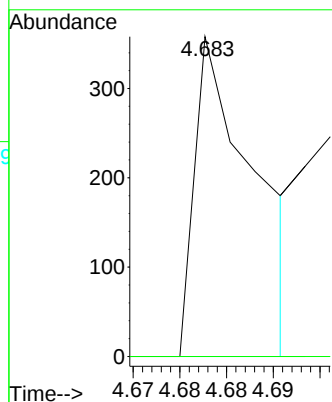
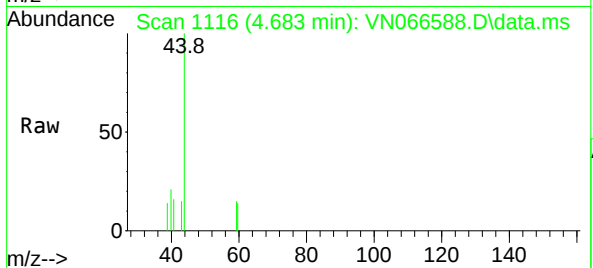




#23
tert-Butyl Alcohol
Concen: 0.30 ug/l
RT: 4.683 min Scan# 1116
Delta R.T. -0.000 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

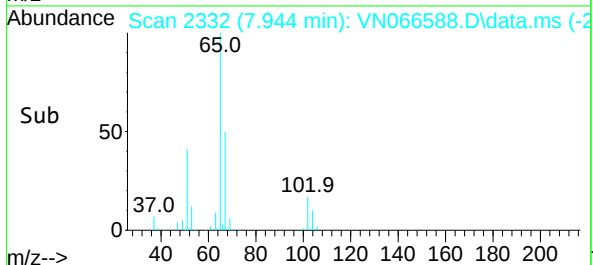
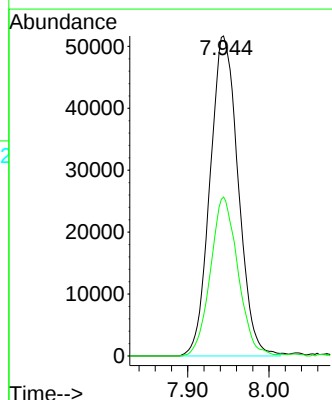
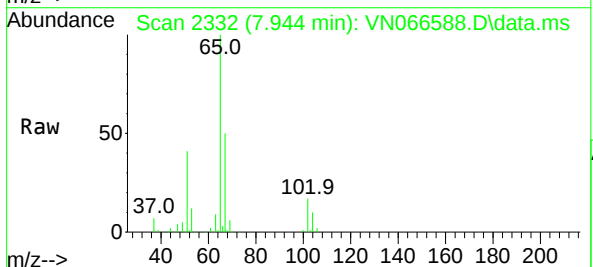
Instrument :
MSVOA_N
ClientSampled :

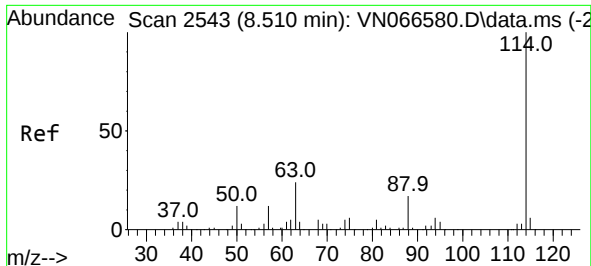
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.81 ug/l
RT: 7.944 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Tgt Ion: 65 Resp: 124233
Ion Ratio Lower Upper
65 100
67 48.5 42.2 63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.513 min Scan# 2544

Delta R.T. -0.000 min

Lab File: VN066588.D

Acq: 13 Apr 2021 19:28

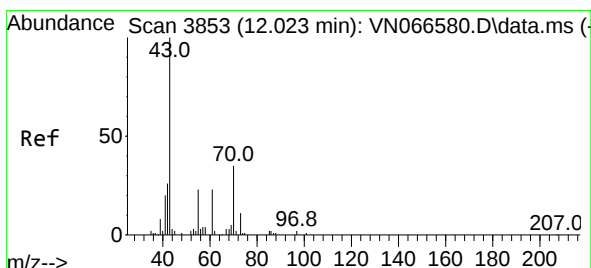
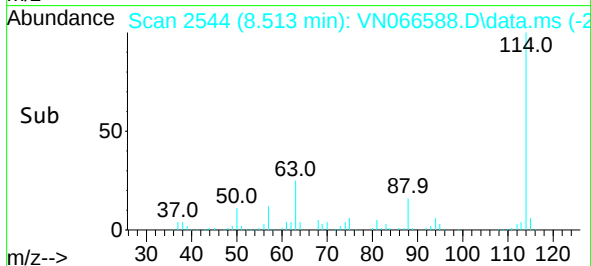
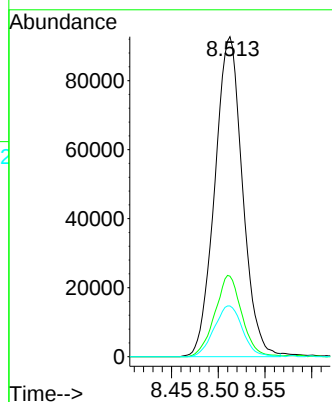
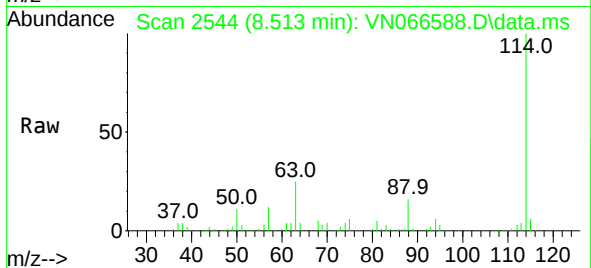
Tgt Ion:114 Resp: 191344

Ion Ratio Lower Upper

114 100

63 24.7 17.4 26.0

88 16.2 12.6 19.0



#47

n-amy1 Acetate

Concen: 11.99 ug/l

RT: 12.037 min Scan# 3858

Delta R.T. 0.008 min

Lab File: VN066588.D

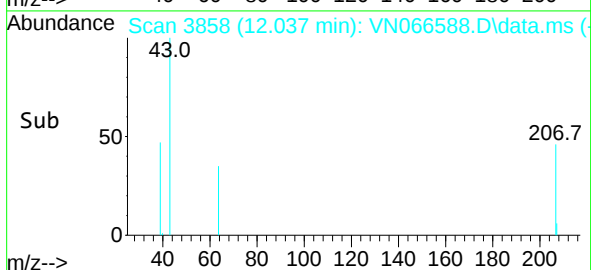
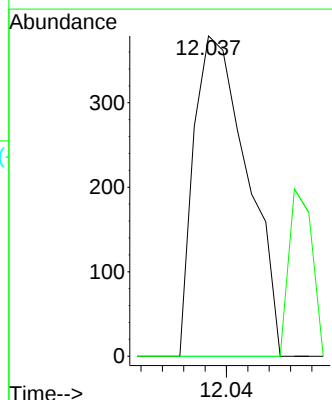
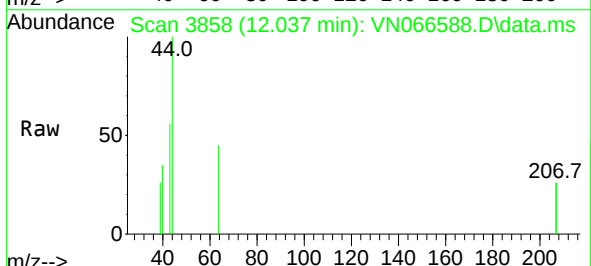
Acq: 13 Apr 2021 19:28

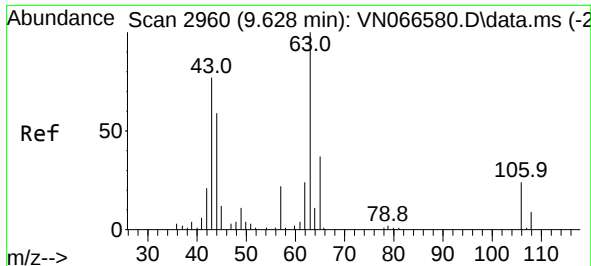
Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

43 100

55 22.4 17.7 26.5

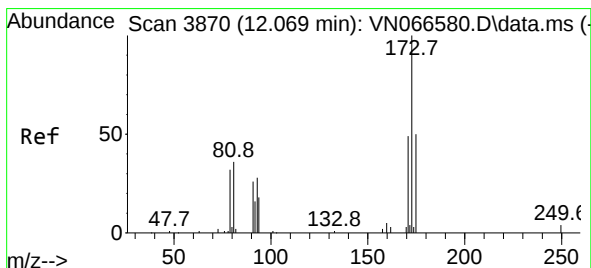
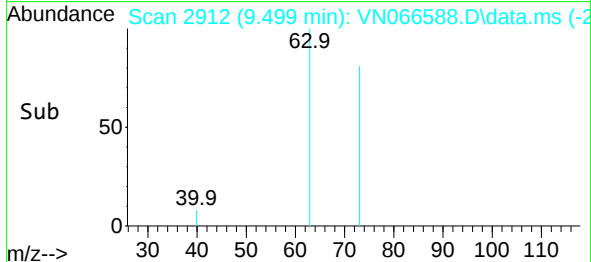
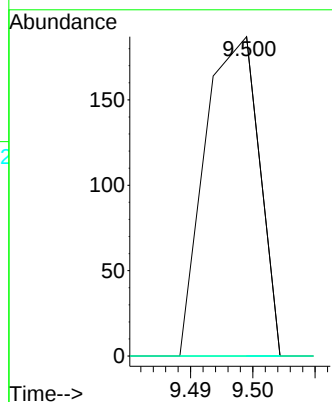
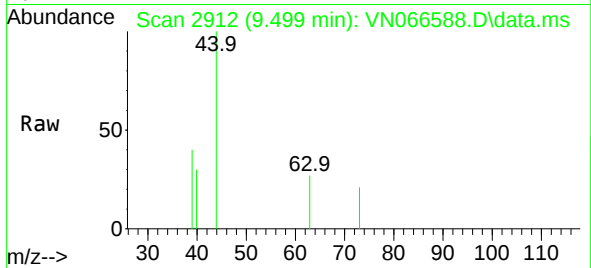




#55
2-Chloroethyl vinyl ether
Concen: 43.39 ug/l
RT: 9.499 min Scan# 2912
Delta R.T. -0.132 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

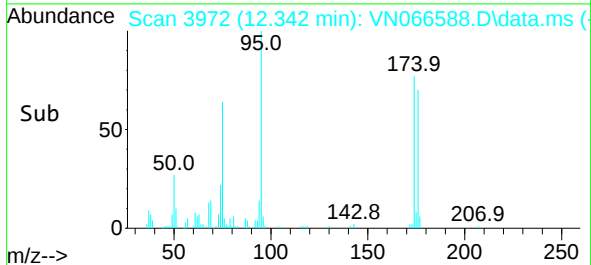
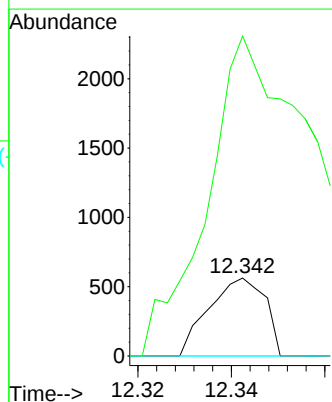
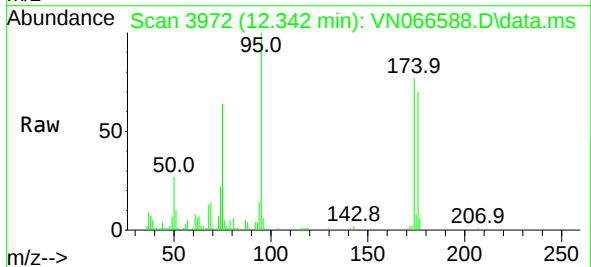
Instrument :
MSVOA_N
ClientSampled :

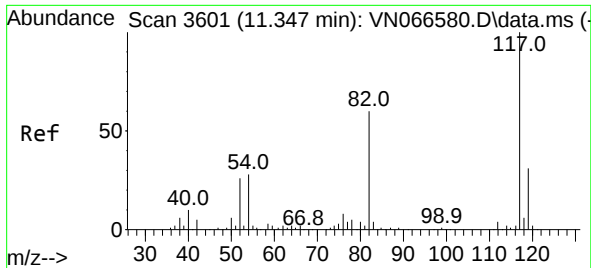
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.23 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.270 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Tgt Ion: 173 Resp: 471
Ion Ratio Lower Upper
173 100
175 851.4 38.3 57.5#
254 0.0 0.0 0.0

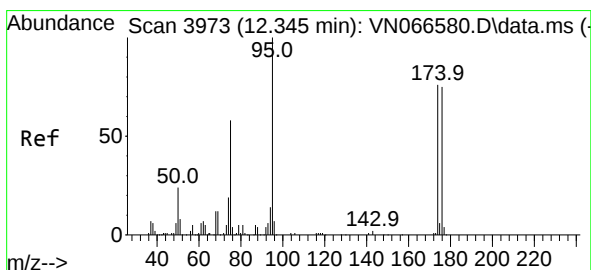
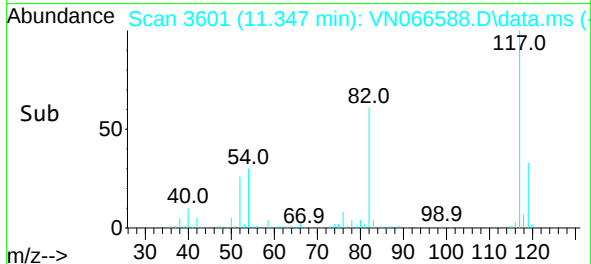
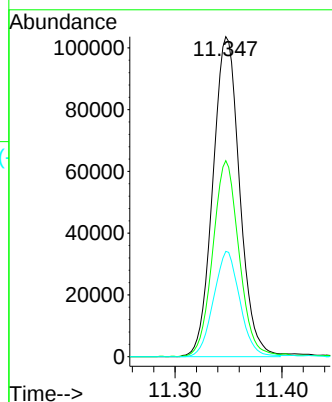
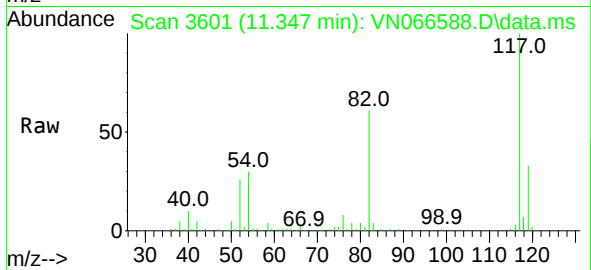




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

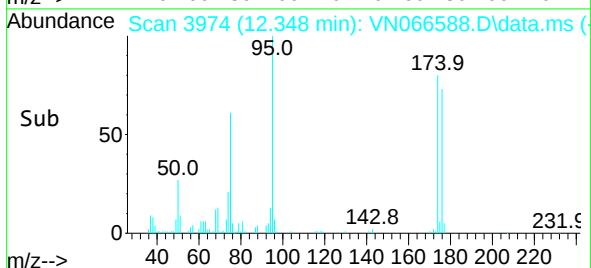
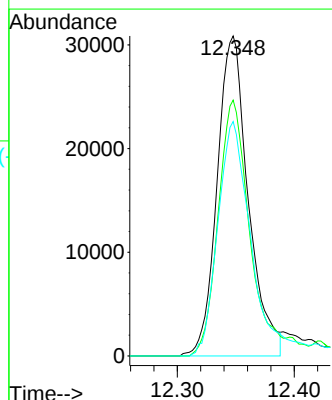
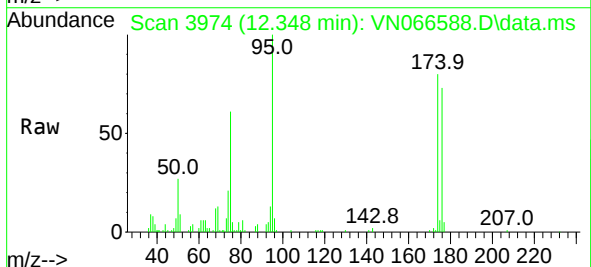
Instrument :
MSVOA_N
ClientSampled :

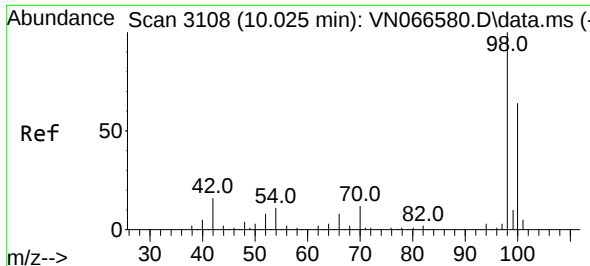
Tgt Ion:117 Resp: 180772
Ion Ratio Lower Upper
117 100
82 60.1 45.0 67.6
119 32.3 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 19.70 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Tgt Ion: 95 Resp: 57200
Ion Ratio Lower Upper
95 100
174 80.1 68.1 102.1
176 78.8 65.4 98.0

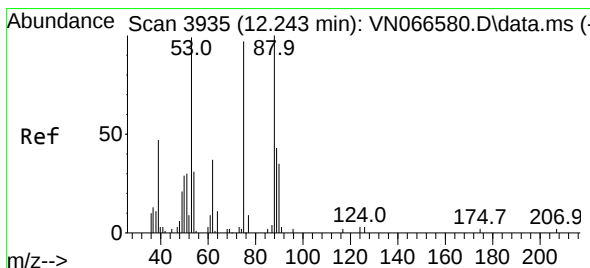
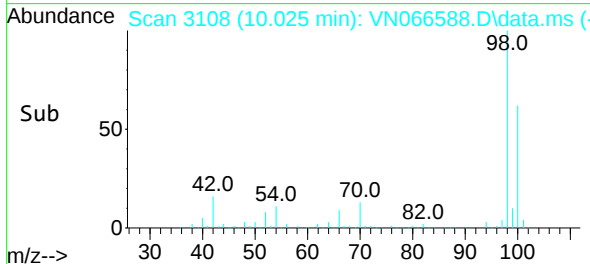
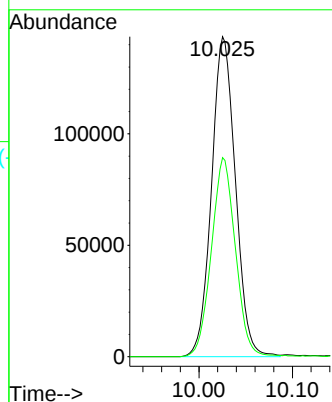
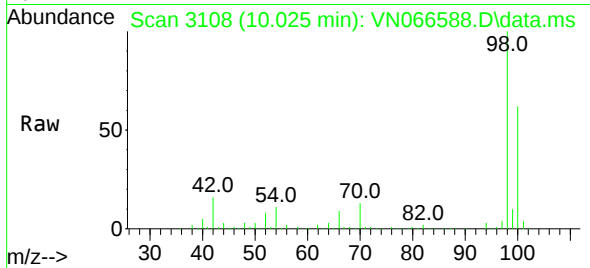




#63
Toluene-d8
Concen: 29.81 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 98 Resp: 254969
Ion Ratio Lower Upper
98 100
100 62.3 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 33.68 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066588.D
Acq: 13 Apr 2021 19:28

Tgt Ion: 75 Resp: 35003
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.9 22.9 68.7#

