

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066589.D
 Acq On : 13 Apr 2021 19:51
 Operator : JC/MD
 Sample : M2006-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 14 02:27:30 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)

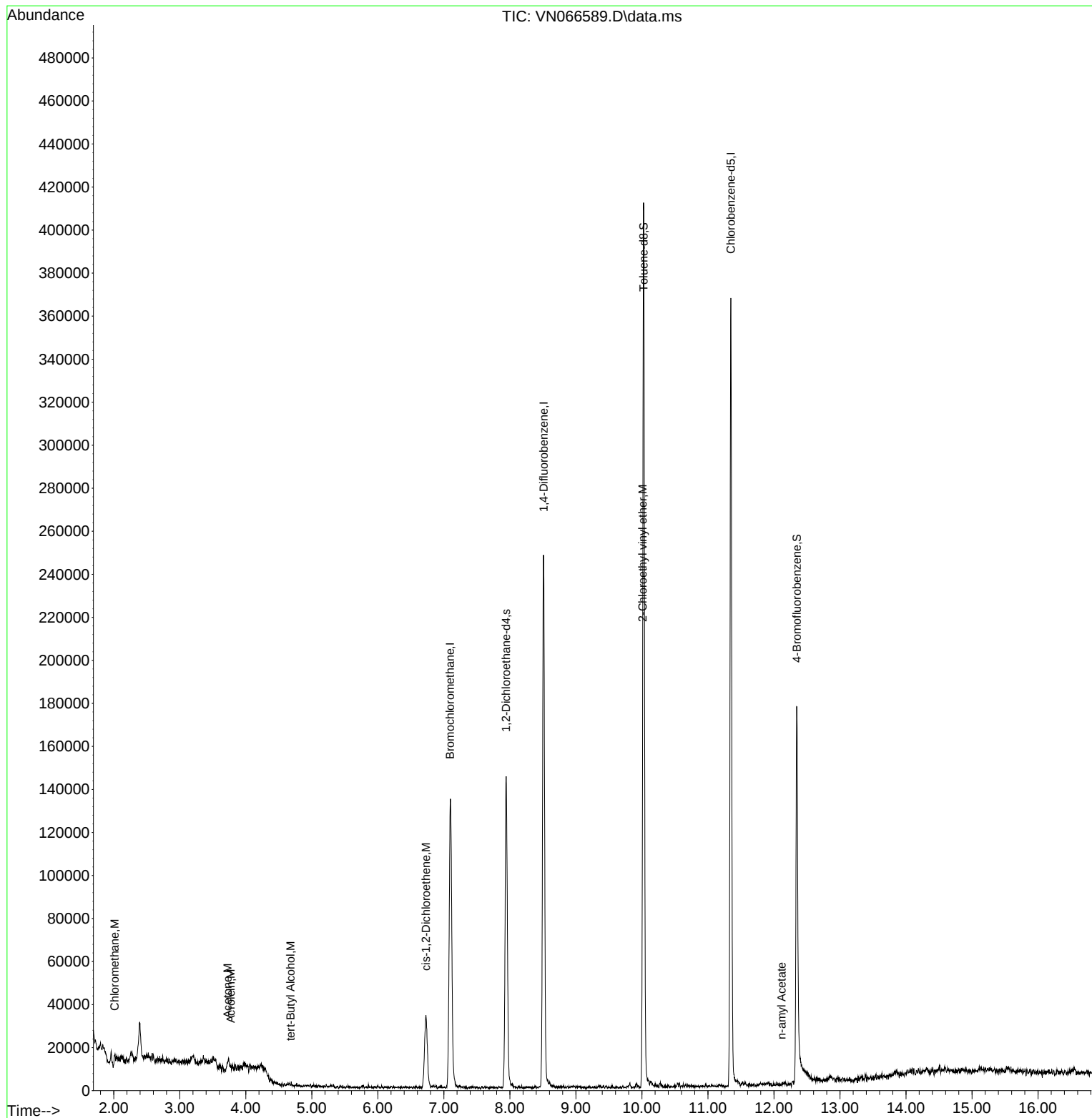
Internal Standards						
1) Bromochloromethane	7.096	128	43077	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.512	114	191792	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	187072	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.944	65	122521	31.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.47%
60) 4-Bromofluorobenzene	12.348	95	63564	21.15	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.50%
63) Toluene-d8	10.025	98	255534	28.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.23%
Target Compounds						
						Qvalue
3) Chloromethane	2.014	50	3011	0.70	ug/l	89
13) Acrolein	3.773	56	139	0.22	ug/l	94
15) Acetone	3.725	58	669	1.22	ug/l #	1
22) cis-1,2-Dichloroethene	6.729	96	18788	6.13	ug/l #	18
23) tert-Butyl Alcohol	4.677	59	138	0.26	ug/l #	100
47) n-amyl Acetate	12.117	43	204	11.98	ug/l	92
55) 2-Chloroethyl vinyl ether	10.012	63	116	43.49	ug/l #	1

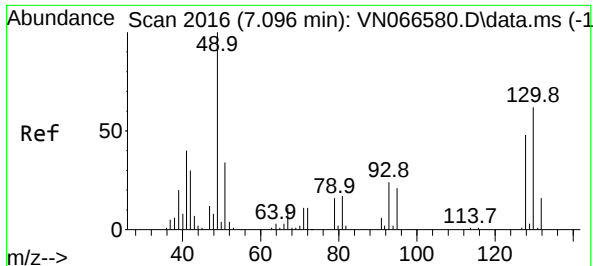
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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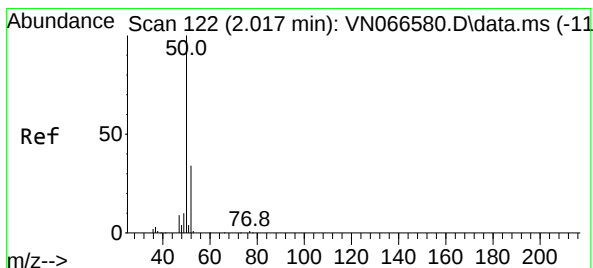
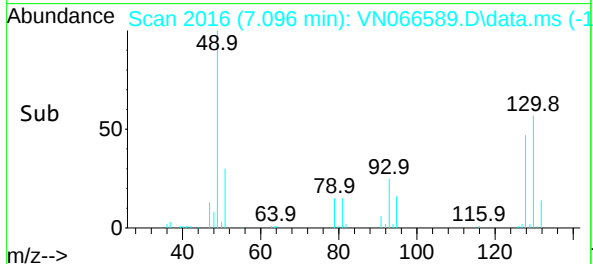
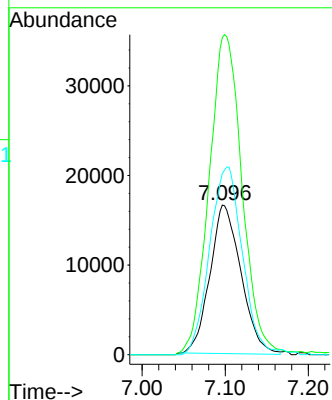
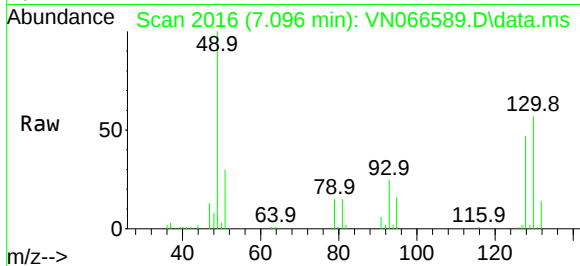




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.096 min Scan# 2016
Delta R.T. -0.011 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

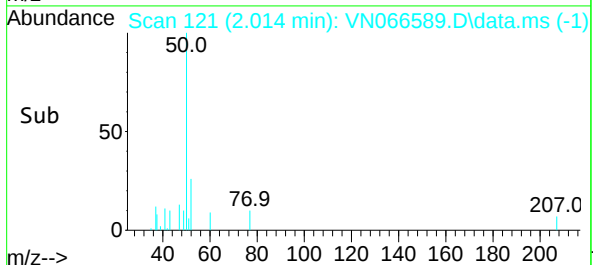
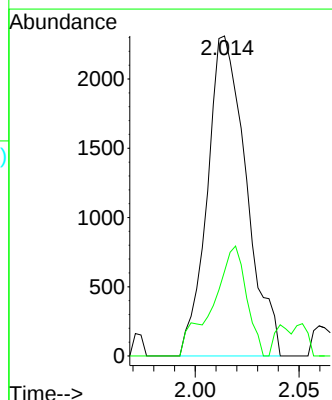
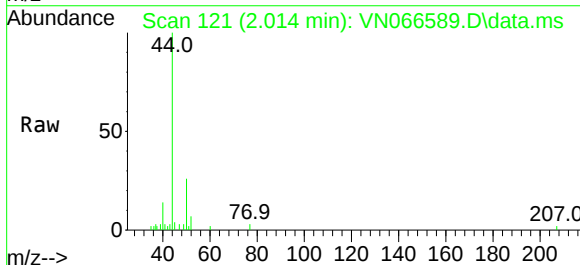
Instrument :
MSVOA_N
ClientSampleId :

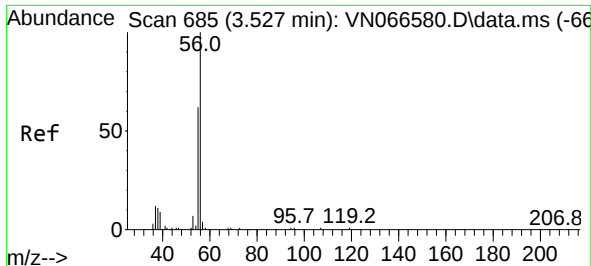
Tgt Ion:128 Resp: 43077
Ion Ratio Lower Upper
128 100
49 228.6 0.0 429.3
130 132.7 0.0 328.5



#3
Chloromethane
Concen: 0.70 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

Tgt Ion: 50 Resp: 3011
Ion Ratio Lower Upper
50 100
52 26.4 26.2 39.4

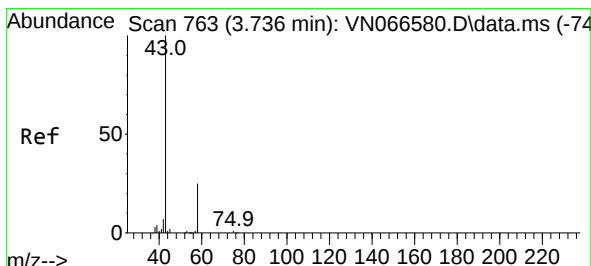
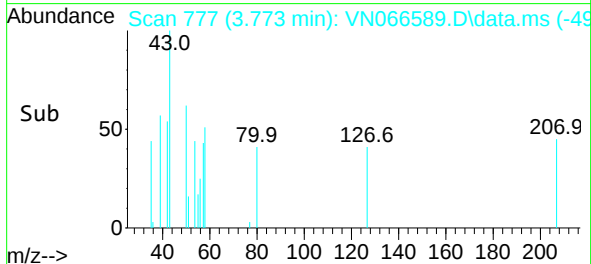
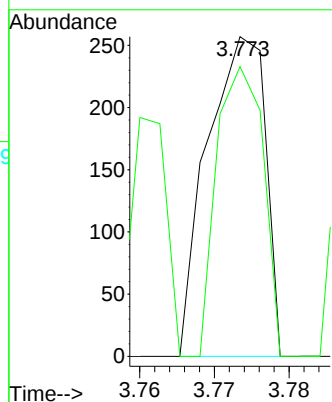
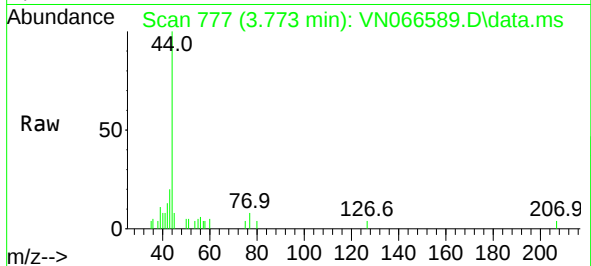




#13
Acrolein
Concen: 0.22 ug/l
RT: 3.773 min Scan# 777
Delta R.T. 0.246 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

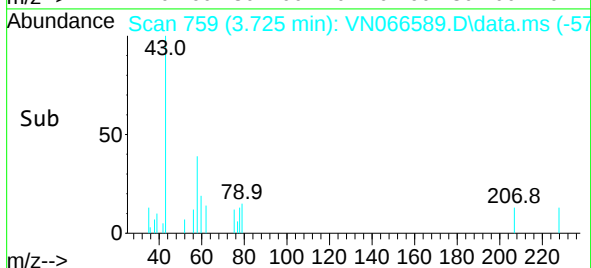
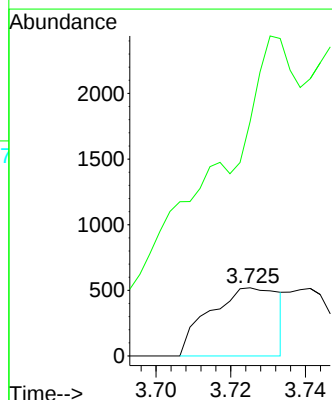
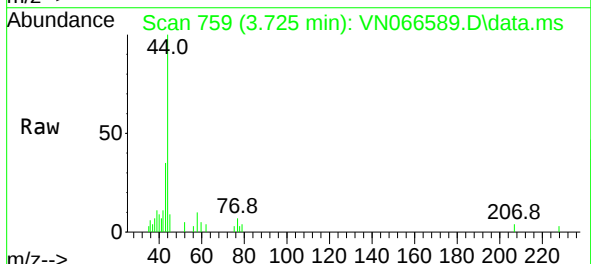
Instrument :
MSVOA_N
ClientSampled :

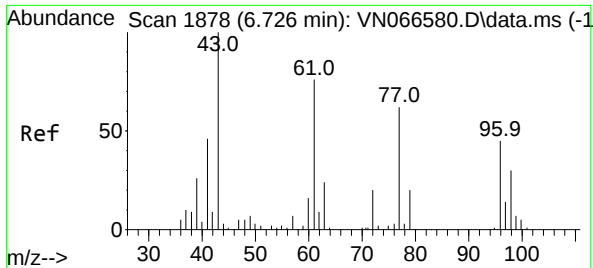
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 72.7 54.1 81.1



#15
Acetone
Concen: 1.22 ug/l
RT: 3.725 min Scan# 759
Delta R.T. -0.008 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

Tgt Ion: 58 Resp: 669
Ion Ratio Lower Upper
58 100
43 117.5 267.3 400.9#

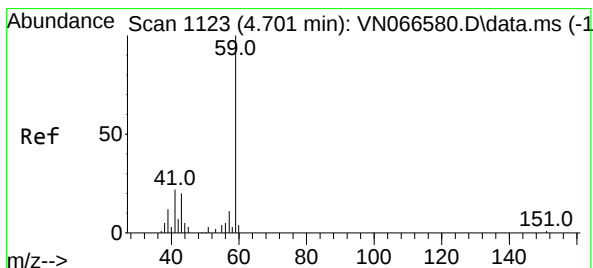
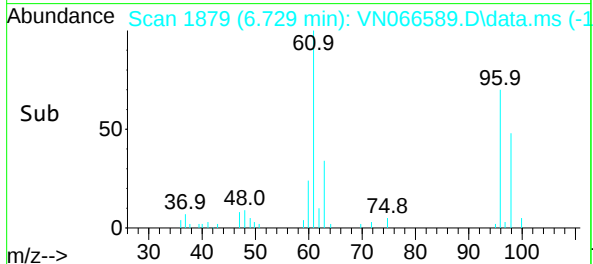
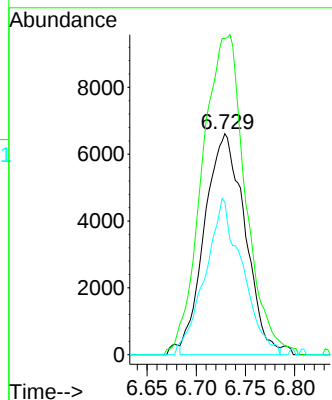
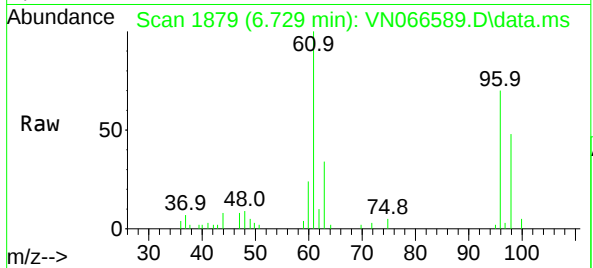




#22
 cis-1,2-Dichloroethene
 Concen: 6.13 ug/l
 RT: 6.729 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VN066589.D
 Acq: 13 Apr 2021 19:51

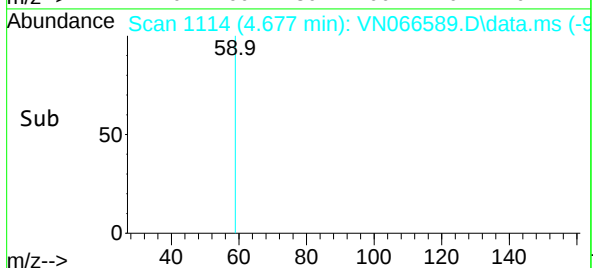
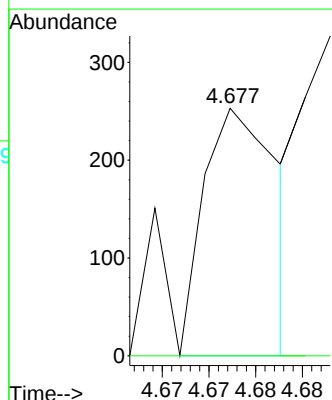
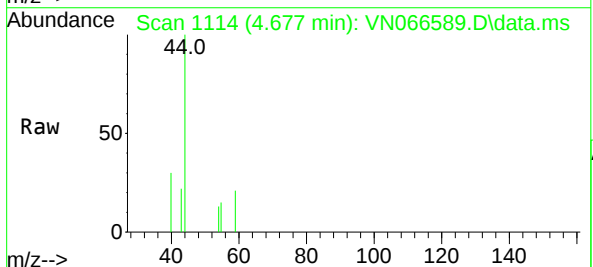
Instrument :
 MSVOA_N
 ClientSampled :

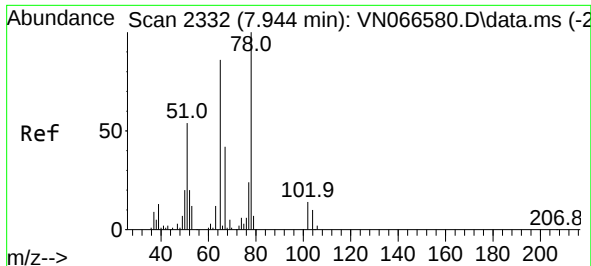
Tgt Ion: 96 Resp: 18788
 Ion Ratio Lower Upper
 96 100
 61 0.0 119.4 179.0#
 98 64.7 51.5 77.3



#23
 tert-Butyl Alcohol
 Concen: 0.26 ug/l
 RT: 4.677 min Scan# 1114
 Delta R.T. -0.006 min
 Lab File: VN066589.D
 Acq: 13 Apr 2021 19:51

Tgt Ion: 59 Resp: 138
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 31.04 ug/l

RT: 7.944 min Scan# 2332

Delta R.T. -0.003 min

Lab File: VN066589.D

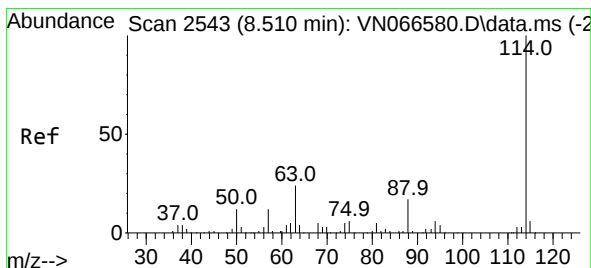
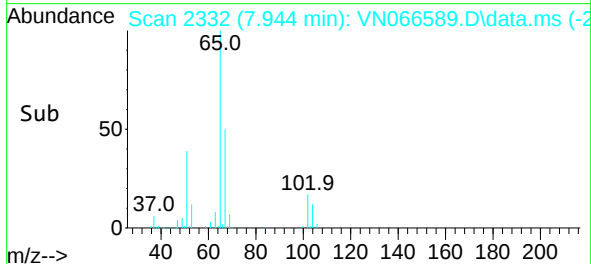
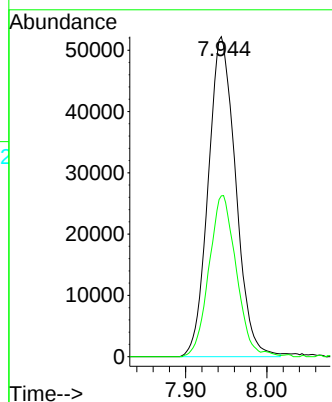
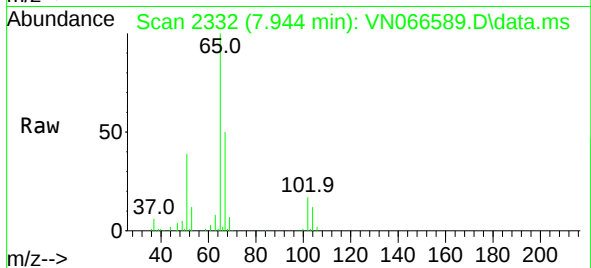
Acq: 13 Apr 2021 19:51

Tgt Ion: 65 Resp: 122521

Ion Ratio Lower Upper

65 100

67 49.5 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: VN066589.D

Acq: 13 Apr 2021 19:51

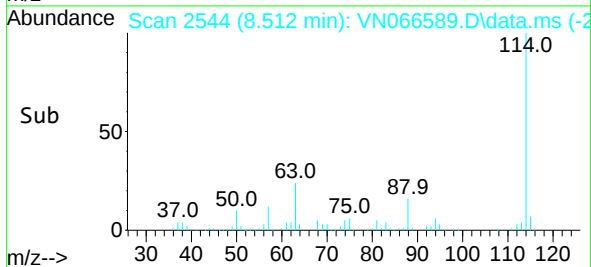
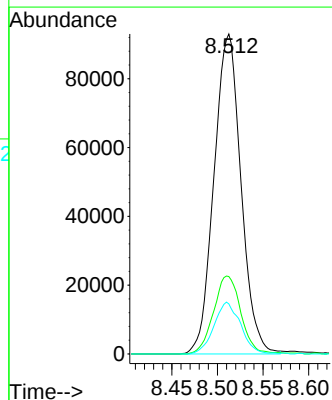
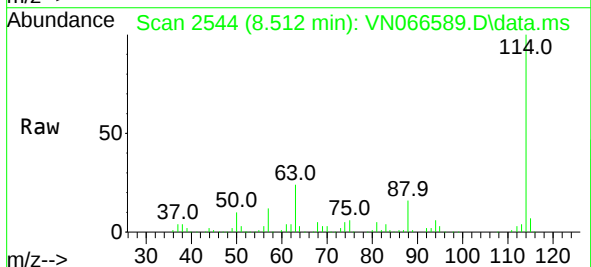
Tgt Ion: 114 Resp: 191792

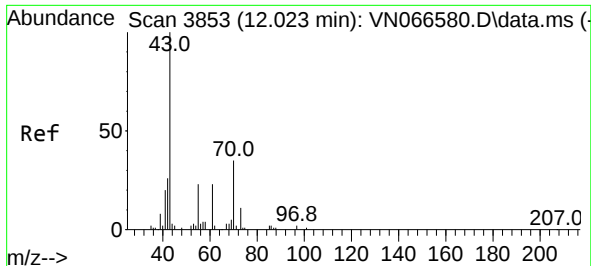
Ion Ratio Lower Upper

114 100

63 24.5 17.4 26.0

88 15.9 12.6 19.0

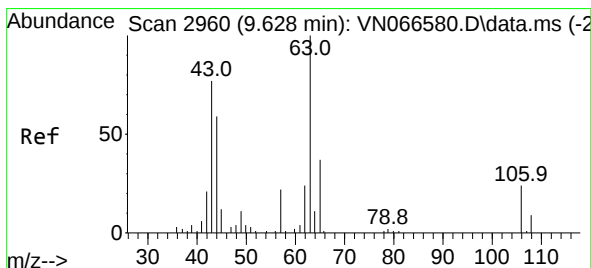
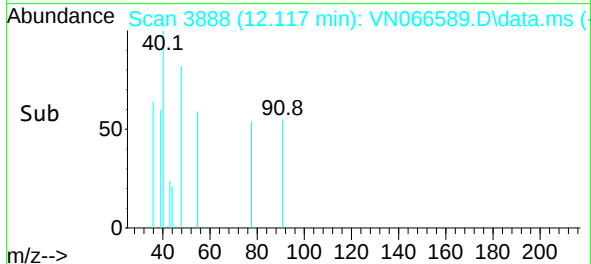
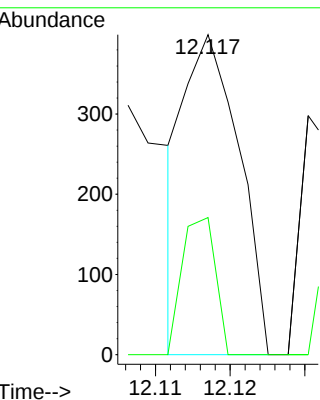
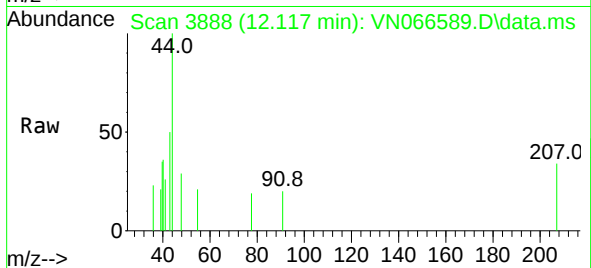




#47
n-amy1 Acetate
Concen: 11.98 ug/l
RT: 12.117 min Scan# 3888
Delta R.T. 0.088 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

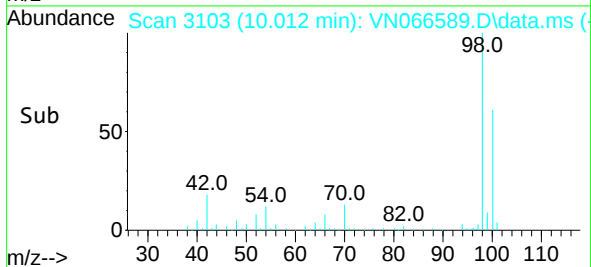
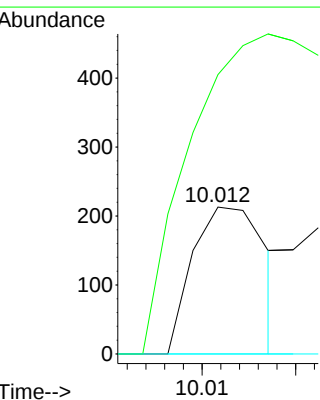
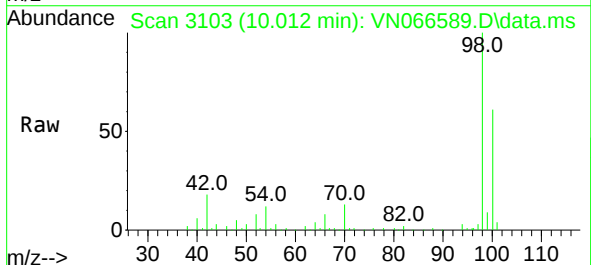
Instrument :
MSVOA_N
ClientSampled :

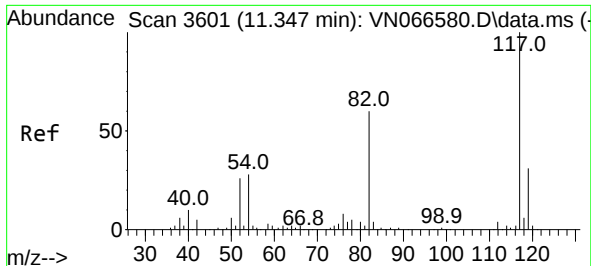
Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
55 26.0 17.7 26.5



#55
2-Chloroethyl vinyl ether
Concen: 43.49 ug/l
RT: 10.012 min Scan# 3103
Delta R.T. 0.381 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

Tgt Ion: 63 Resp: 116
Ion Ratio Lower Upper
63 100
65 437.1 26.0 39.0#
106 0.0 20.6 31.0#

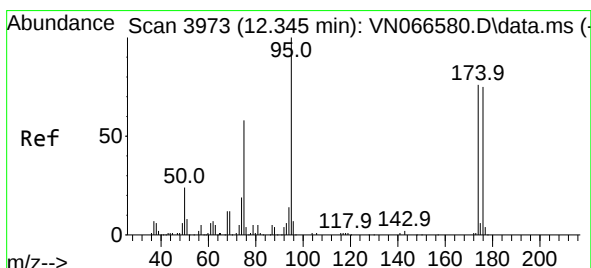
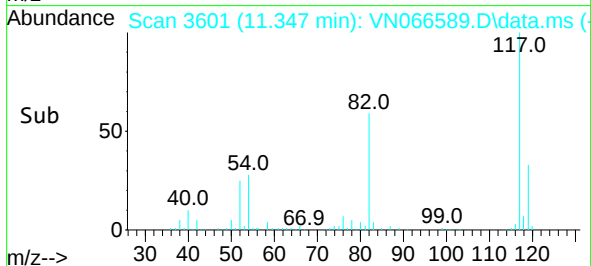
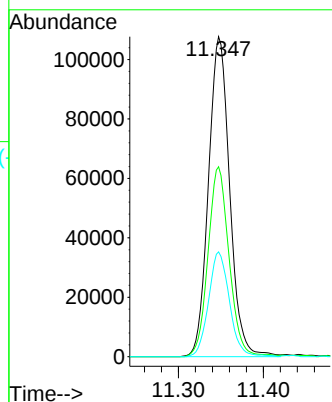
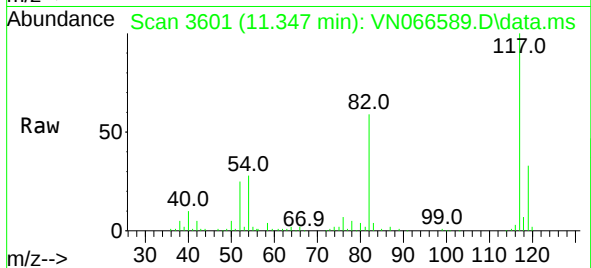




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

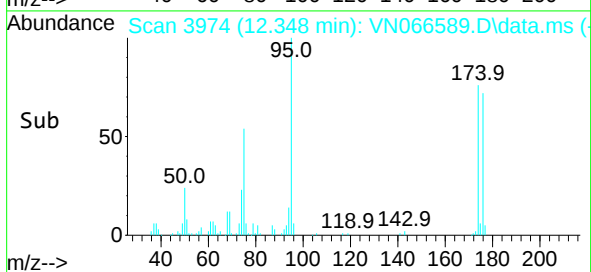
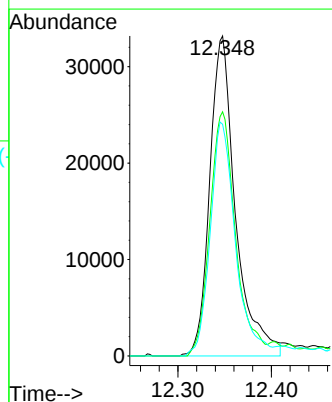
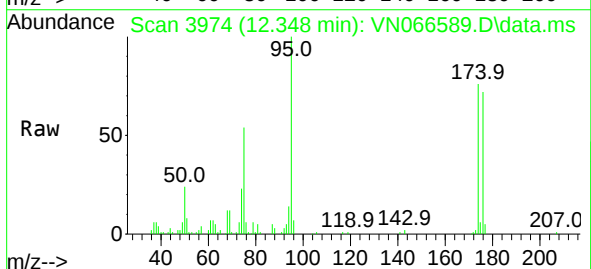
Instrument :
MSVOA_N
ClientSampleId :

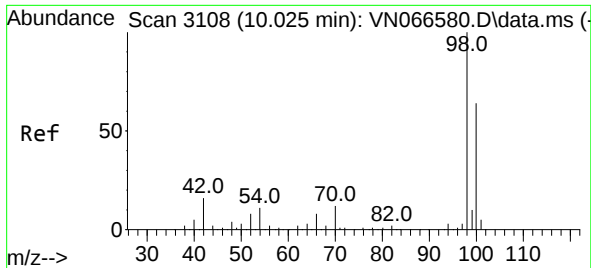
Tgt Ion:117 Resp: 187072
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.6
119 32.0 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 21.15 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

Tgt Ion: 95 Resp: 63564
Ion Ratio Lower Upper
95 100
174 76.4 68.1 102.1
176 71.7 65.4 98.0





#63
Toluene-d8
Concen: 28.87 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VN066589.D
Acq: 13 Apr 2021 19:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 255534
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

