

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056808.D
 Acq On : 18 Jul 2019 12:28
 Operator : JC/SP
 Sample : K3883-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SGMW-4D

Quant Time: Jul 19 05:32:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	48463	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	258514	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	205639	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	98691	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	72063	22.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.33%
63) Toluene-d8	10.09	98	298814	31.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.00%

Target Compounds

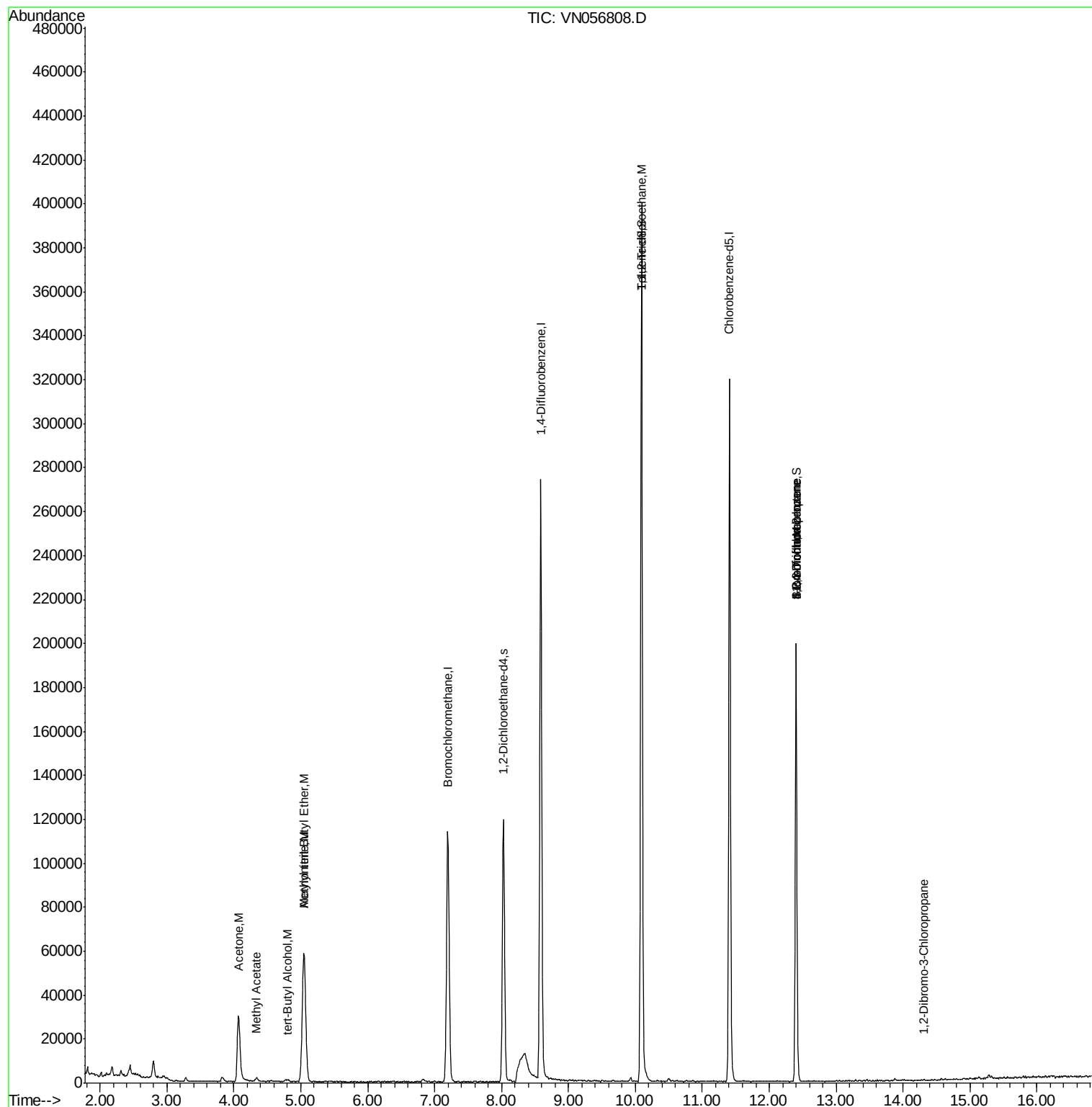
					Ovalue
12) Methyl Acetate	4.34	43	3828	1.000 ug/l #	82
14) Acrylonitrile	5.04	53	600	0.356 ug/l #	10
15) Acetone	4.07	58	837	1.439 ug/l	94
23) tert-Butyl Alcohol	4.79	59	545	0.927 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	102545	11.248 ug/l	99
50) 1,1,2-Trichloroethane	10.09	97	9134	2.904 ug/l #	1
56) Bromoform	12.40	173	568	0.241 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	33301	9.530 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	33301	28.668 ug/l #	11
88) 1,2-Dibromo-3-Chloropropan	14.31	75	354	0.502 ug/l #	1

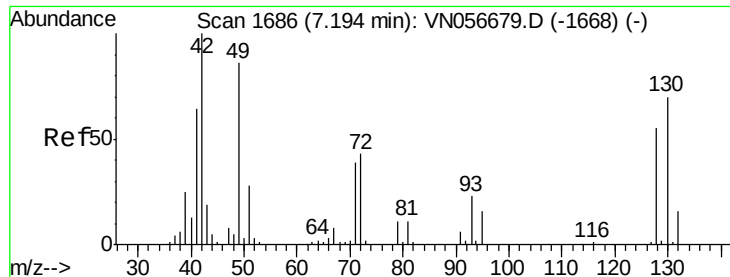
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071819\
Data File : VN056808.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SGMW-4D

Quant Time: Jul 19 05:32:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

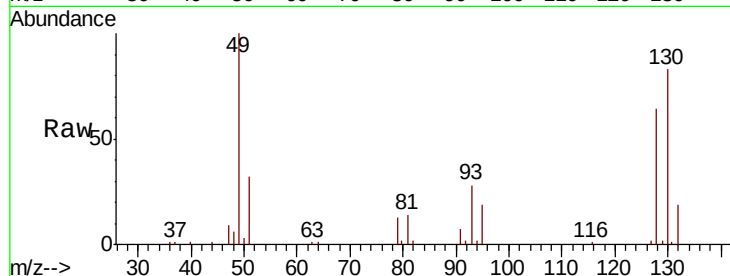




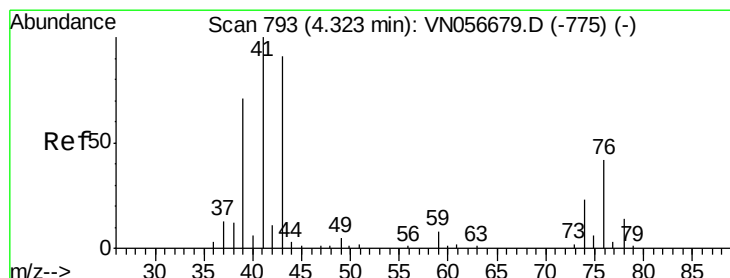
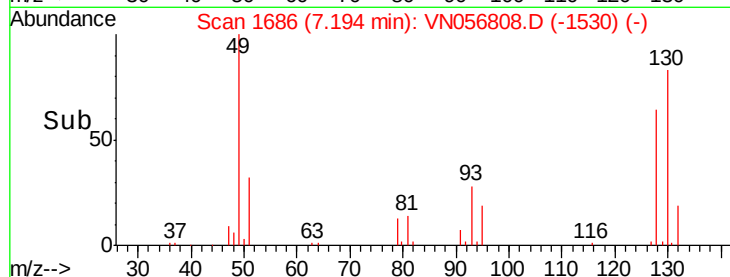
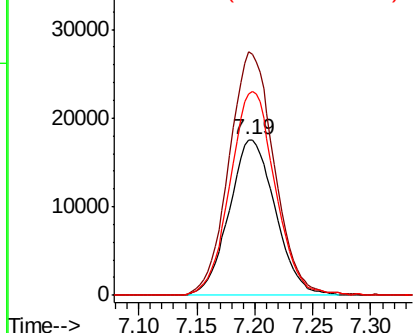
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
SGMW-4D

Tot Ion:128 Resp: 48463
Ion Ratio Lower Upper
128 100
49 153.3 0.0 390.5
130 128.2 0.0 316.5

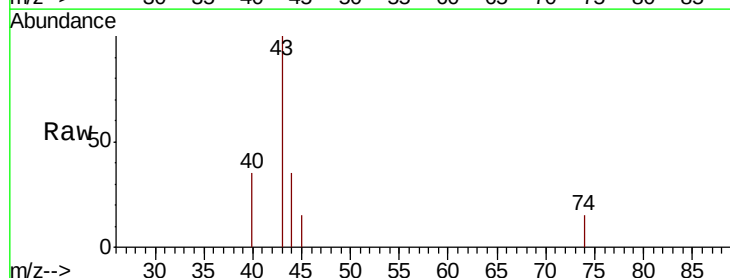


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

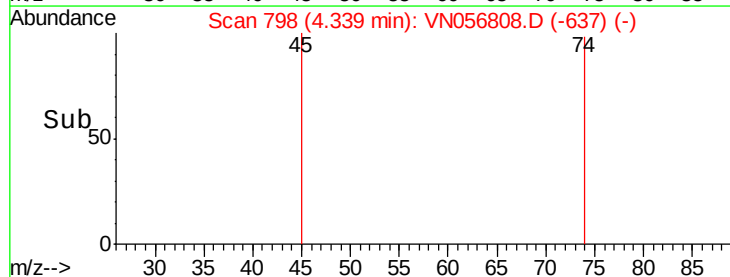
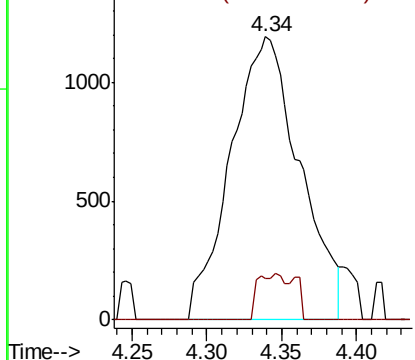


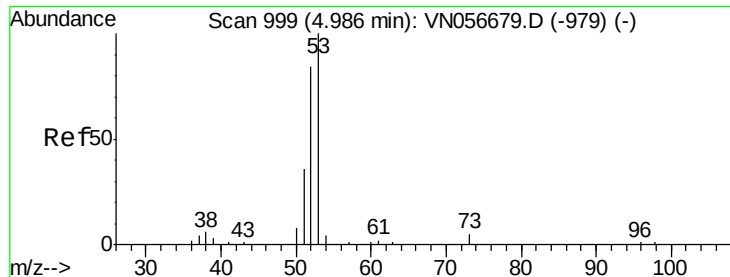
#12
Methyl Acetate
Concen: 1.000 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Tgt Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
74 16.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#14

Acrylonitrile

Concen: 0.356 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.06 min

Lab File: VN056808.D

Acq: 18 Jul 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

SGMW-4D

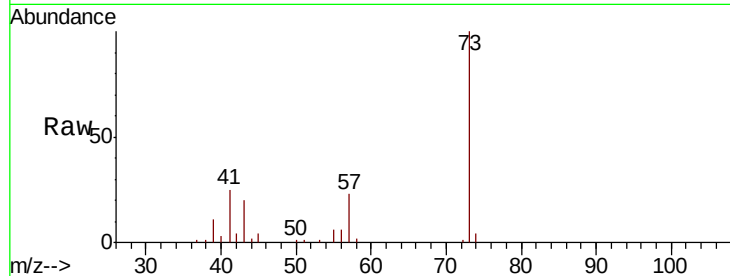
Tot Ion: 53 Resp: 600

Ion Ratio Lower Upper

53 100

52 0.0 41.3 123.7#

51 84.8 17.7 53.1#

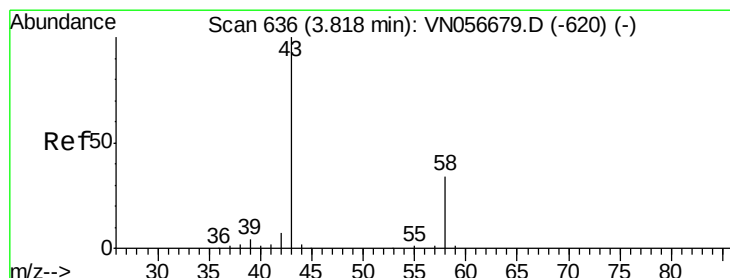
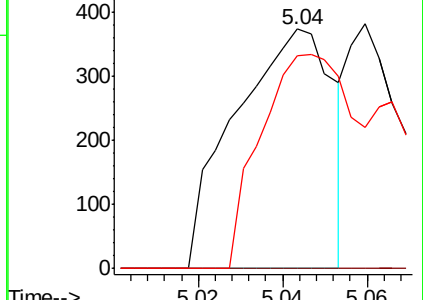
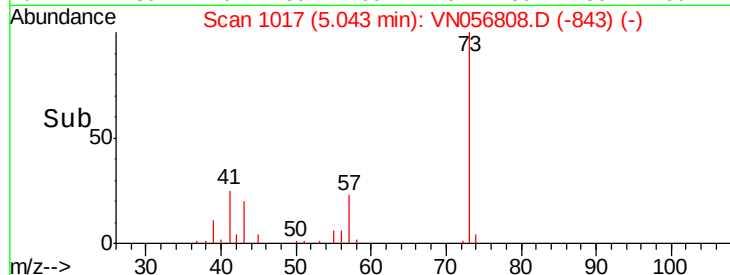


Abundance Ion 53.00 (52.70 to 53.70): VN056679.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN056679.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN056679.D (-979) (-)

Time-->



#15

Acetone

Concen: 1.439 ug/l

RT: 4.07 min Scan# 714

Delta R.T. 0.25 min

Lab File: VN056808.D

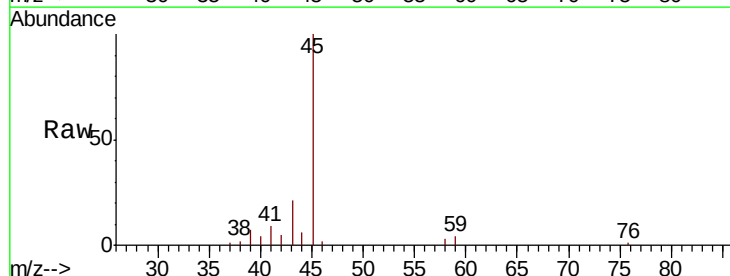
Acq: 18 Jul 2019 12:28

Tgt Ion: 58 Resp: 837

Ion Ratio Lower Upper

58 100

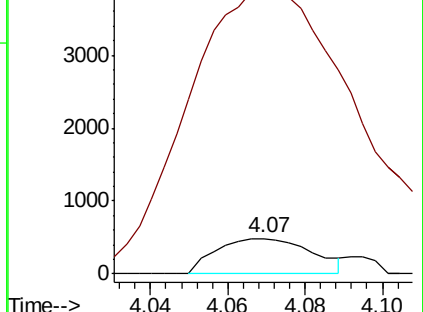
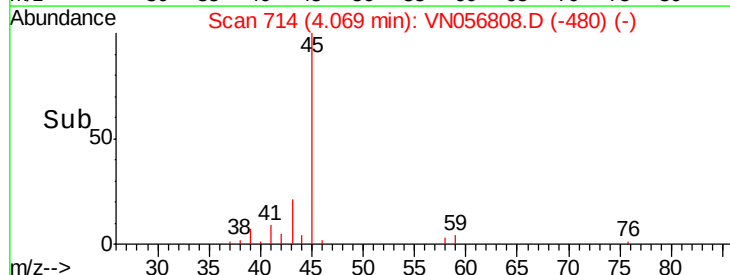
43 304.9 233.9 350.9

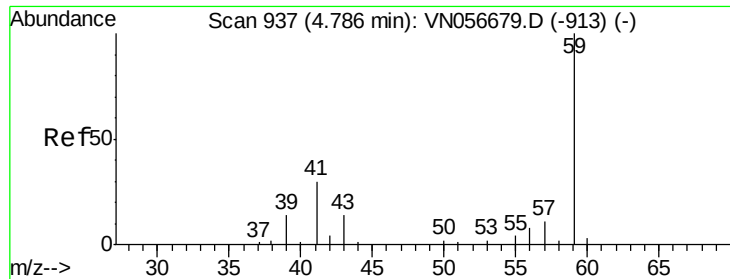


Abundance Ion 58.00 (57.70 to 58.70): VN056679.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-620) (-)

Time-->

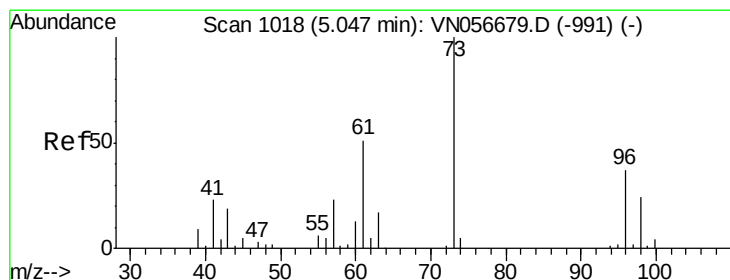
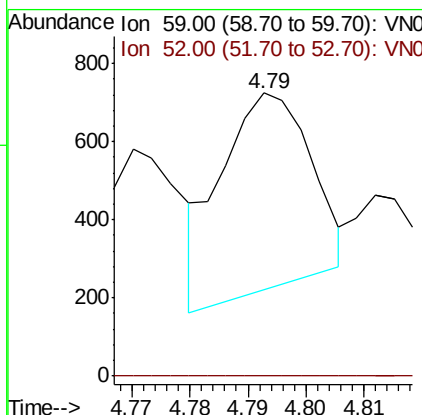
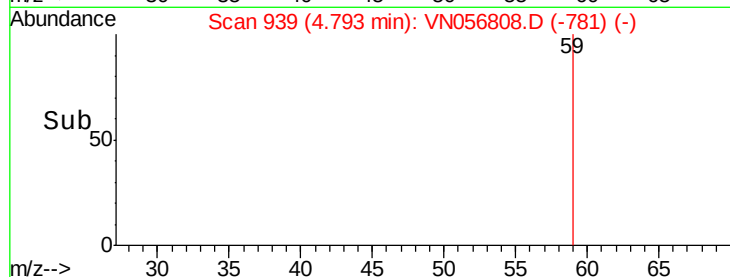
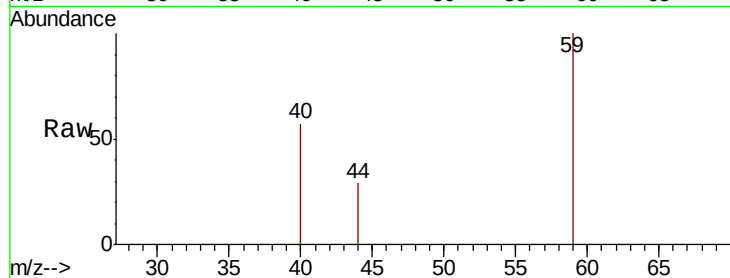




#23
tert-Butyl Alcohol
Concen: 0.927 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

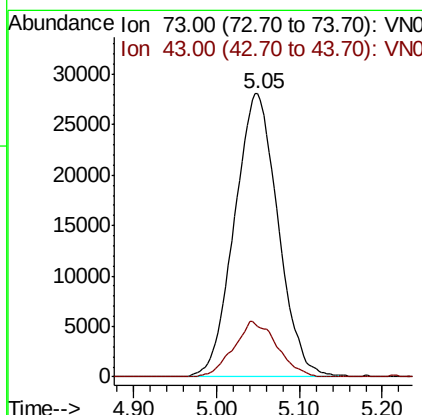
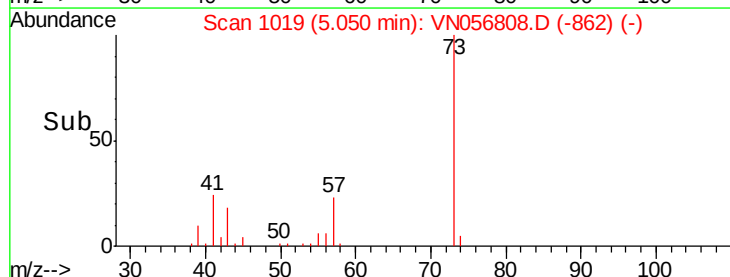
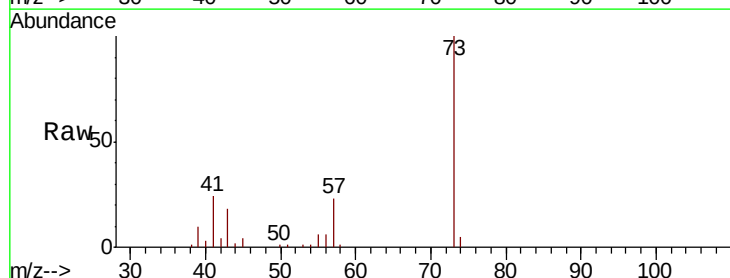
Instrument :
MSVOA_N
ClientSampled :
SGMW-4D

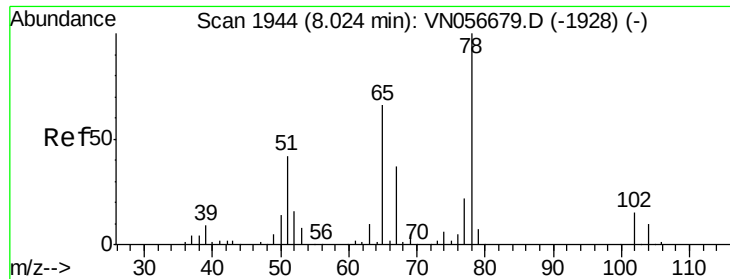
Tot Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#24
Methyl tert-Butyl Ether
Concen: 11.248 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Tgt Ion: 73 Resp: 102545
Ion Ratio Lower Upper
73 100
43 19.5 15.1 22.7

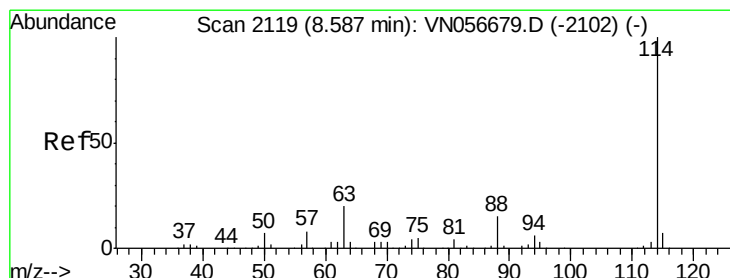
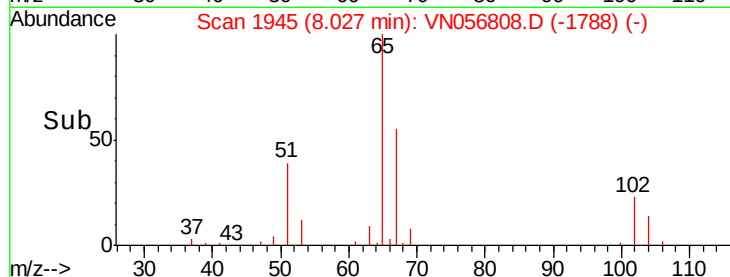
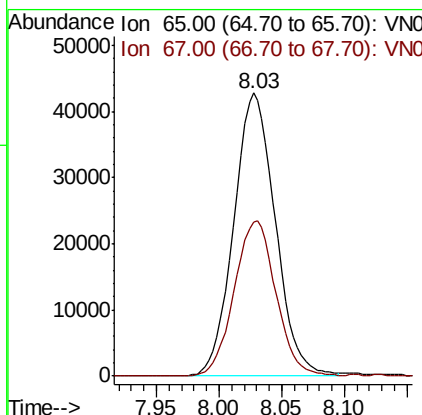
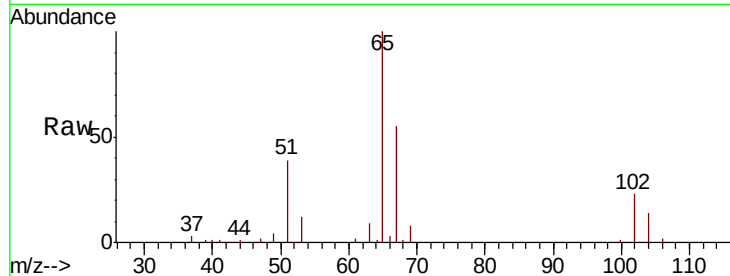




#27
 1,2-Dichloroethane-d4
 Concen: 30.063 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056808.D
 Acq: 18 Jul 2019 12:28

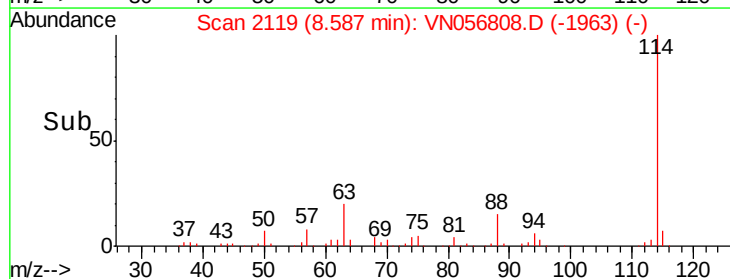
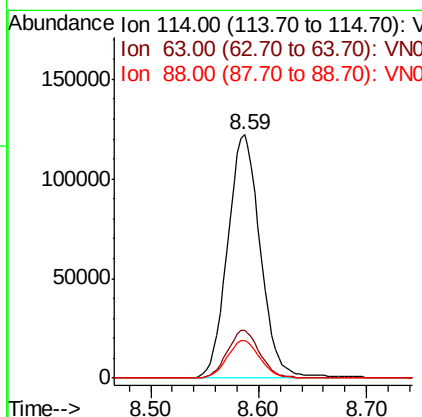
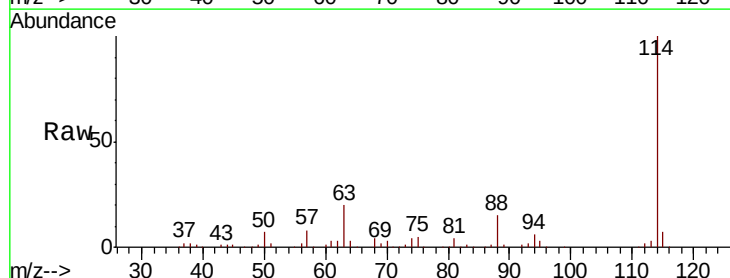
Instrument :
 MSVOA_N
 ClientSampleId :
 SGMW-4D

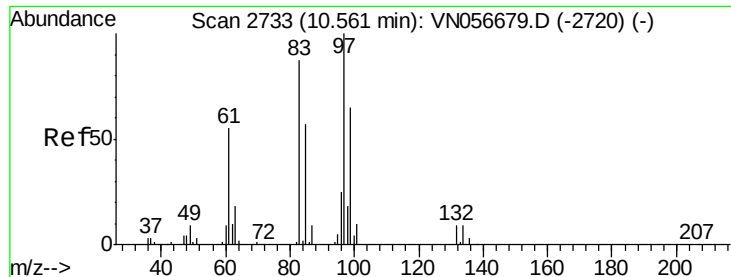
Tot Ion: 65 Resp: 98691
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056808.D
 Acq: 18 Jul 2019 12:28

Tgt Ion: 114 Resp: 258514
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.5 12.3 18.5

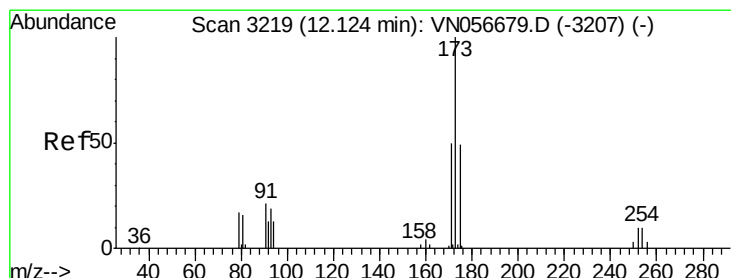
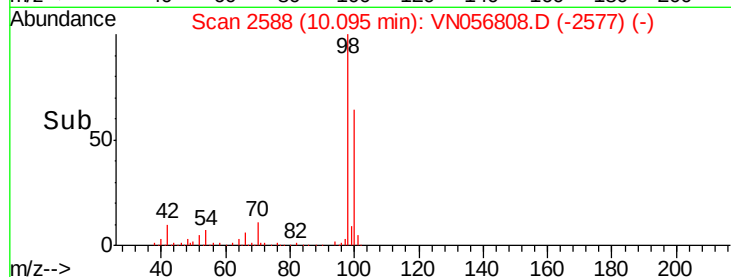
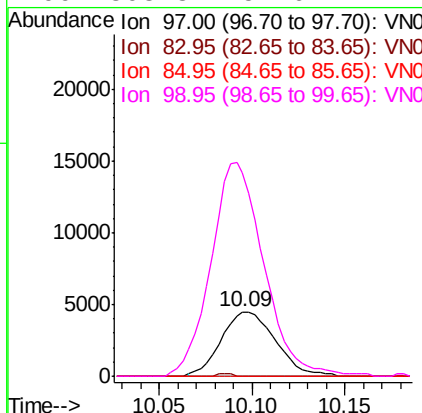
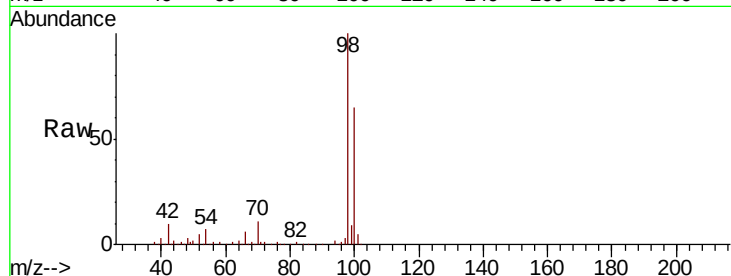




#50
1,1,2-Trichloroethane
Concen: 2.904 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.47 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

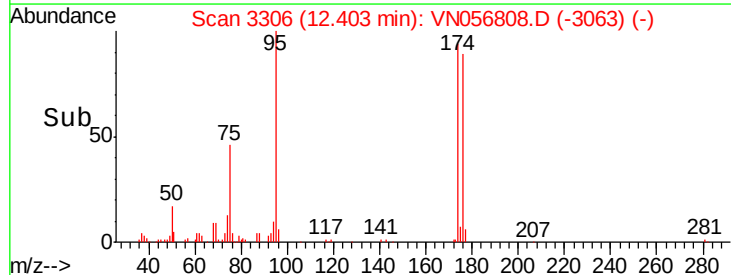
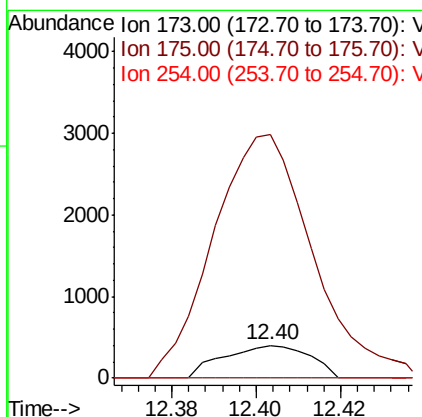
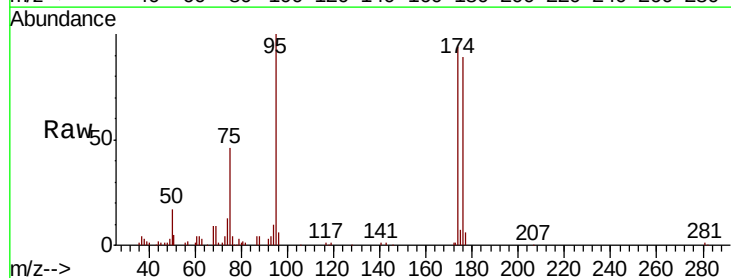
Instrument :
MSVOA_N
ClientSampleId :
SGMW-4D

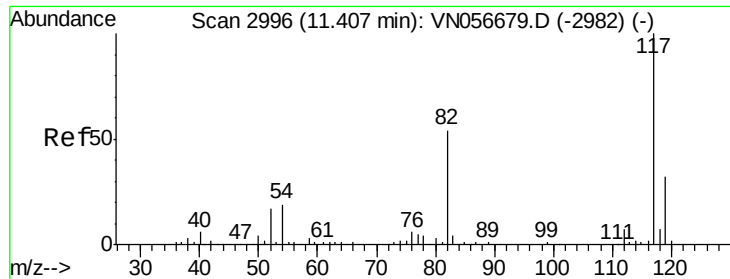
Tot Ion: 97 Resp: 9134
Ion Ratio Lower Upper
97 100
83 0.0 69.2 103.8#
85 0.0 45.3 67.9#
99 308.8 51.6 77.4#



#56
Bromoform
Concen: 0.241 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Tgt Ion: 173 Resp: 568
Ion Ratio Lower Upper
173 100
175 860.4 39.7 59.5#
254 0.0 7.8 11.8#

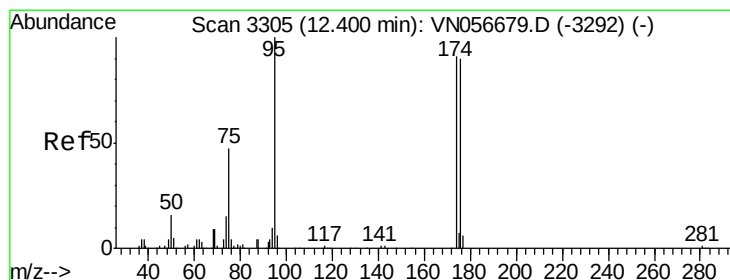
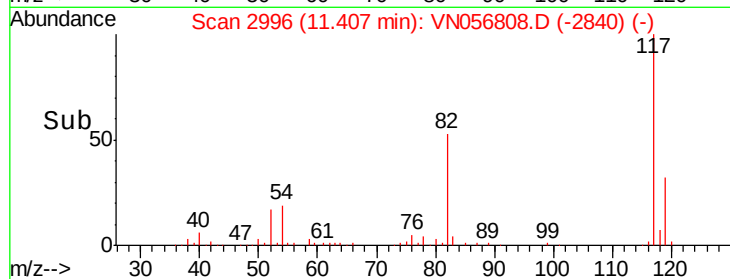
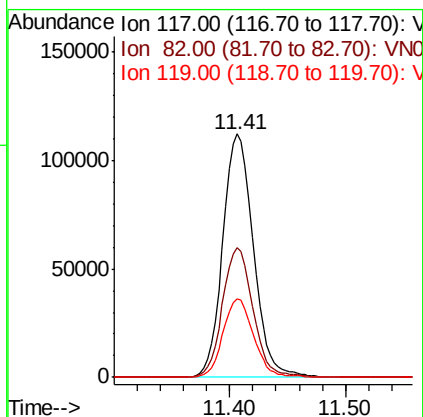
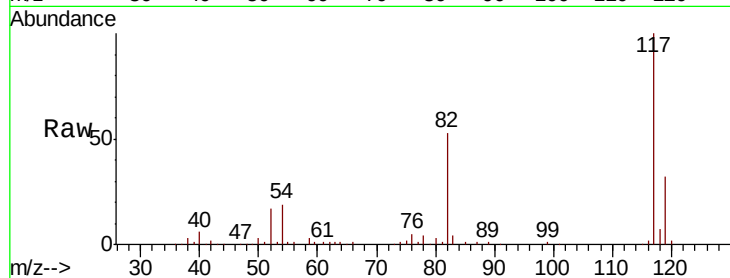




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

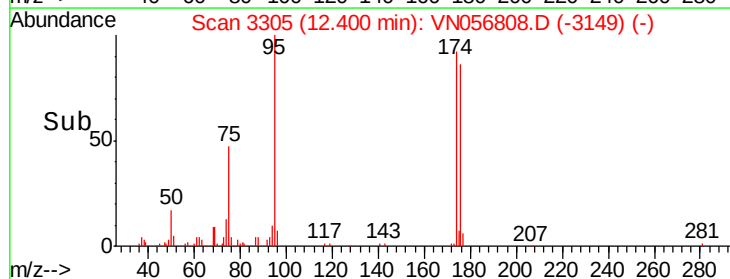
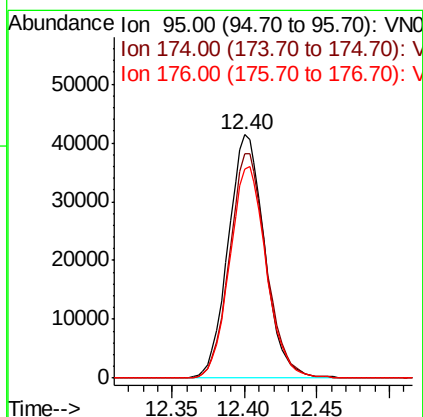
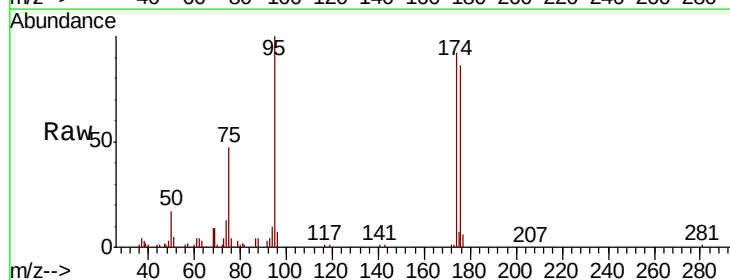
Instrument :
MSVOA_N
ClientSampleId :
SGMW-4D

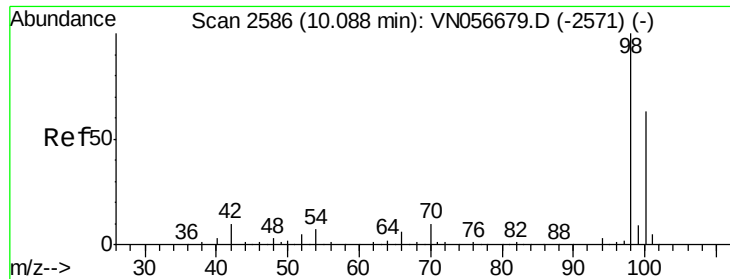
Tot Ion:117 Resp: 205639
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.2 26.0 39.0



#60
4-Bromofluorobenzene
Concen: 22.898 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Tgt Ion: 95 Resp: 72063
Ion Ratio Lower Upper
95 100
174 92.9 72.6 108.8
176 87.4 71.0 106.6





#63

Toluene-d8

Concen: 31.803 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056808.D

Acq: 18 Jul 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

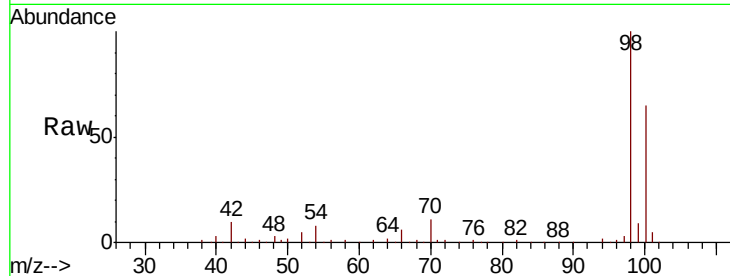
SGMW-4D

Tot Ion: 98 Resp: 298814

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

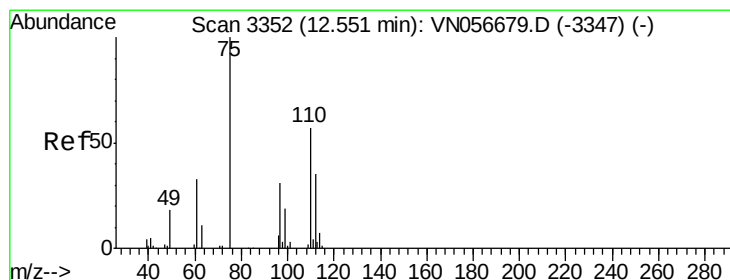
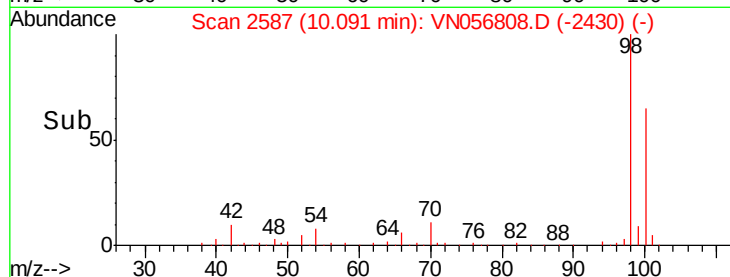
150000

100000

50000

0

Time-->



#72

1,2,3-Trichloropropane

Concen: 9.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056808.D

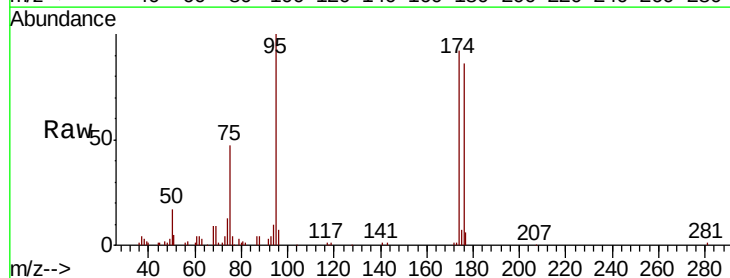
Acq: 18 Jul 2019 12:28

Tgt Ion: 75 Resp: 33301

Ion Ratio Lower Upper

75 100

77 0.6 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN056679.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056679.D (-3347) (-)

12.40

20000

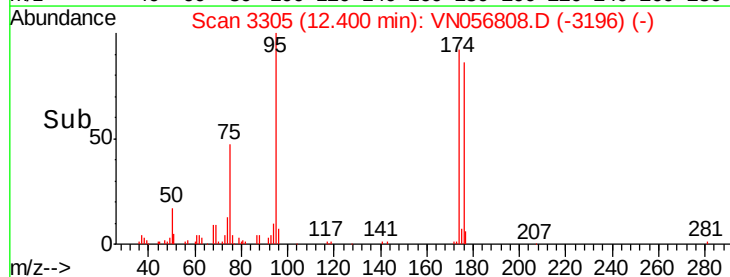
15000

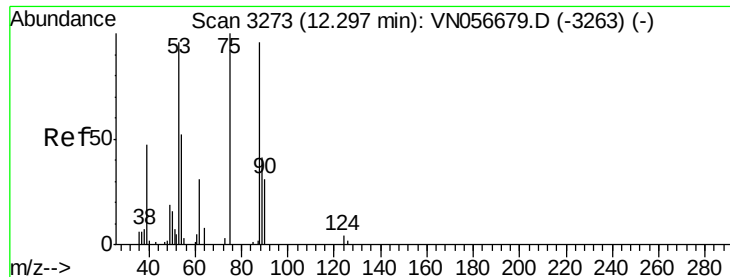
10000

5000

0

Time-->

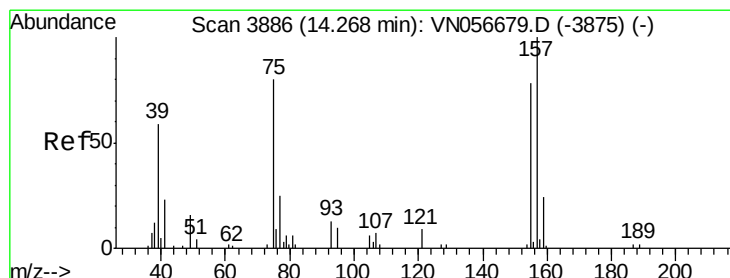
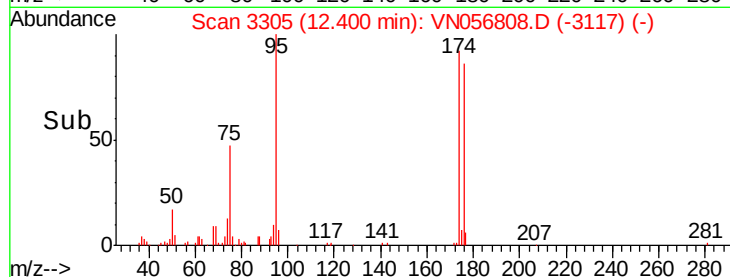
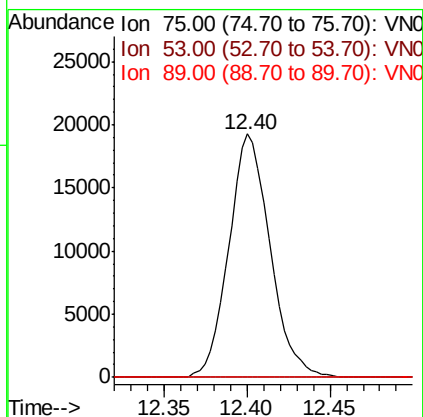
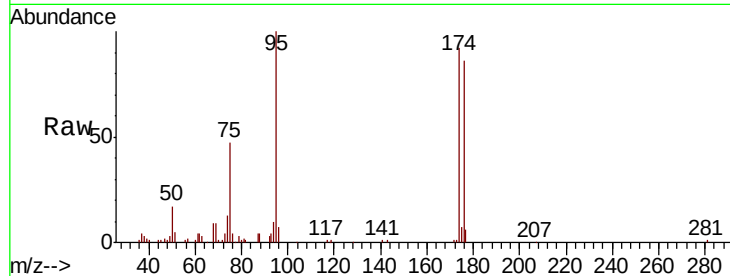




#77
t-1,4-Dichloro-2-butene
Concen: 28.668 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
SGMW-4D

Tot Ion: 75 Resp: 33301
Ion Ratio Lower Upper
75 100
53 0.0 48.6 145.8#
89 0.0 21.3 64.0#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.502 ug/l
RT: 14.31 min Scan# 3900
Delta R.T. 0.05 min
Lab File: VN056808.D
Acq: 18 Jul 2019 12:28

Tgt Ion: 75 Resp: 354
Ion Ratio Lower Upper
75 100
155 0.0 78.6 117.8#
157 0.0 99.3 148.9#

