

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056803.D
 Acq On : 18 Jul 2019 10:32
 Operator : JC/SP
 Sample : K3834-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3-DEP

Quant Time: Jul 19 05:30:46 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	49089	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	272369	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	218045	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	103152	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	12.40	95	75104	22.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.03%
63) Toluene-d8	10.09	98	316188	31.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.80%

Target Compounds

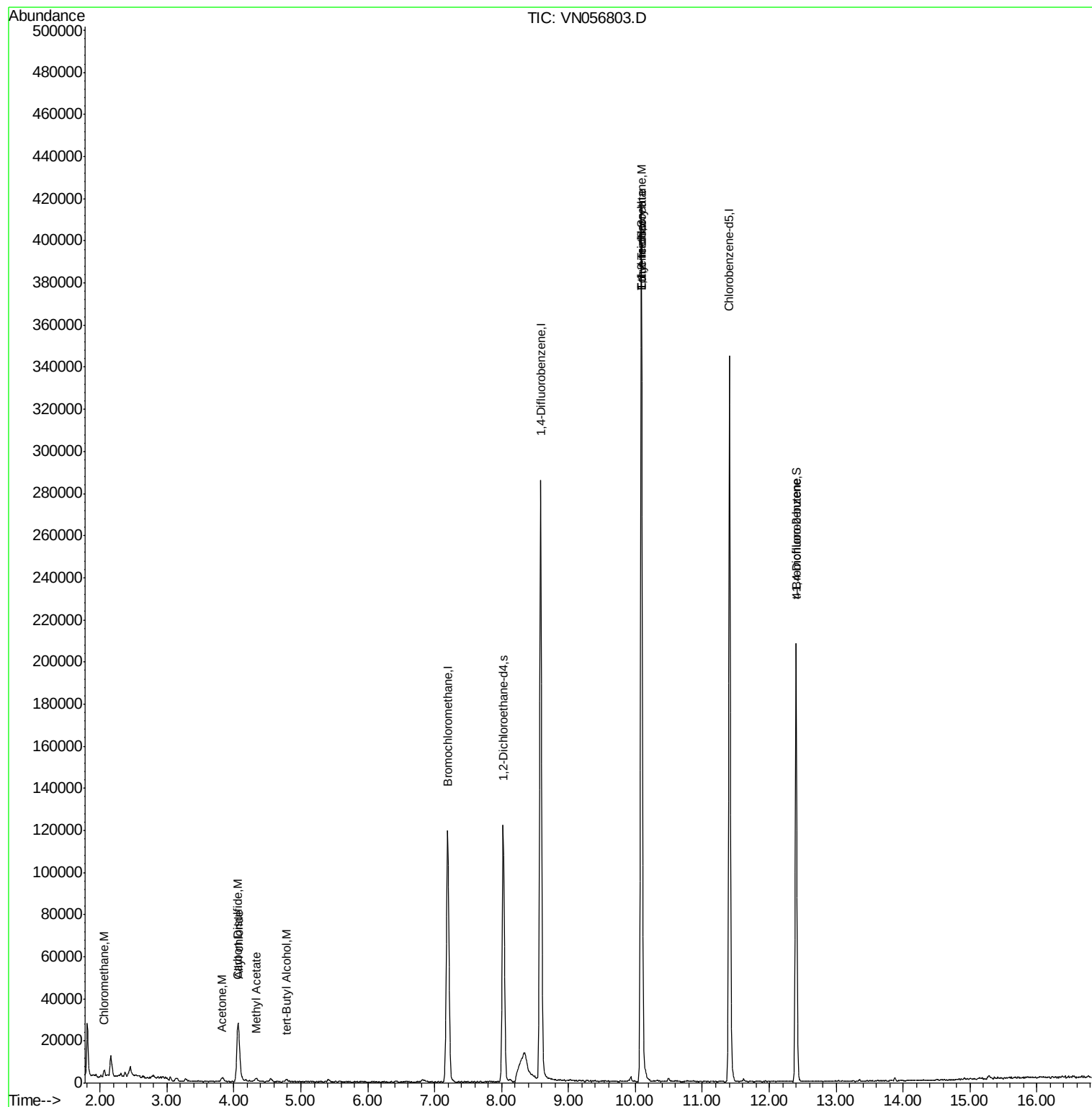
					Ovalue
3) Chloromethane	2.06	50	3292	0.882 ug/l	92
12) Methyl Acetate	4.34	43	3713	0.958 ug/l #	87
15) Acetone	3.83	58	995	1.688 ug/l #	20
16) Carbon Disulfide	4.05	76	7964	1.043 ug/l #	92
17) Allyl chloride	4.07	41	4323	0.854 ug/l #	39
23) tert-Butyl Alcohol	4.79	59	468	0.786 ug/l #	100
50) 1,1,2-Trichloroethane	10.10	97	10385	3.134 ug/l #	1
51) Ethyl methacrylate	10.09	69	1057	0.207 ug/l #	73
77) t-1,4-Dichloro-2-butene	12.40	75	35176	28.559 ug/l #	11

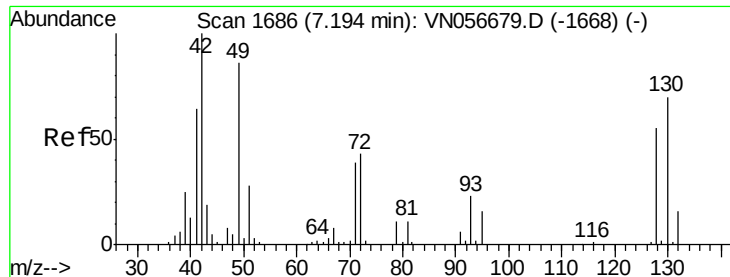
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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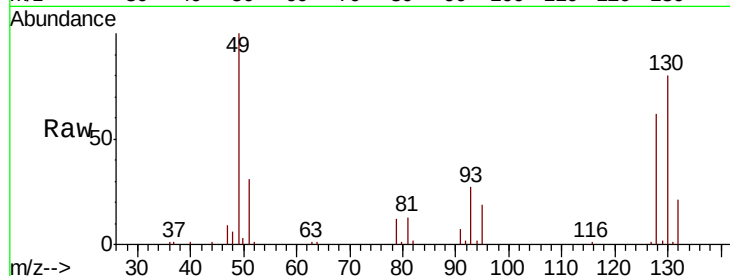




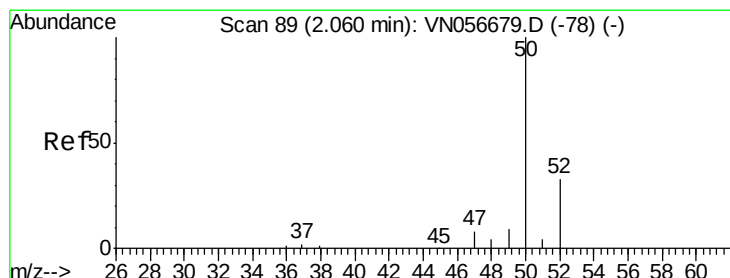
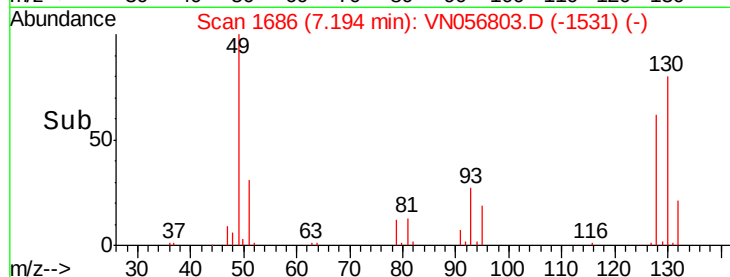
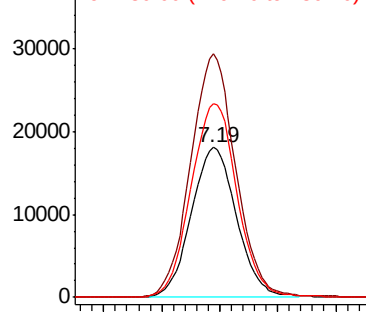
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
TW-3-DEP

Tot Ion:128 Resp: 49089
Ion Ratio Lower Upper
128 100
49 160.9 0.0 390.5
130 131.9 0.0 316.5

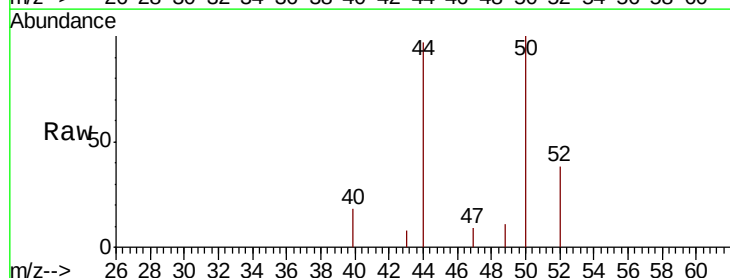


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

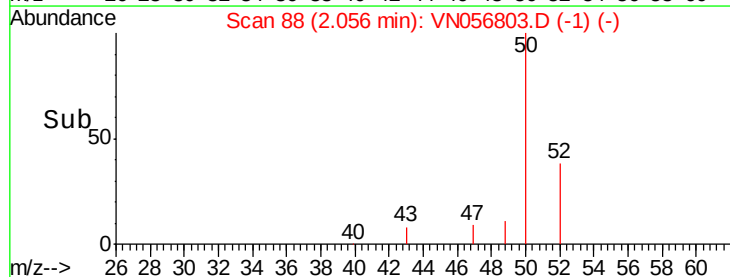
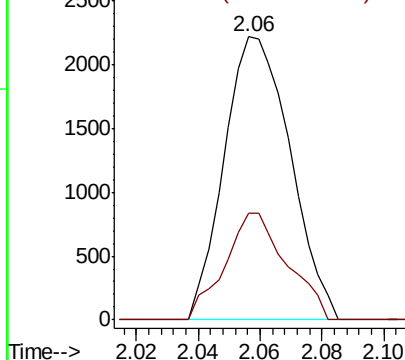


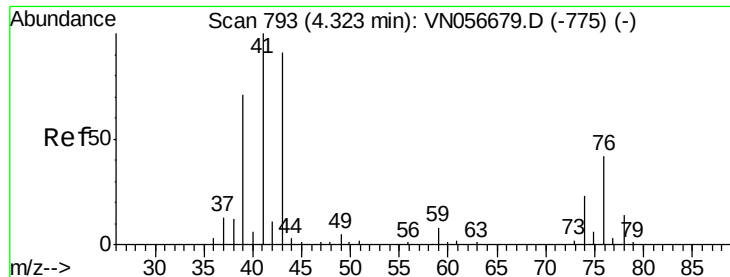
#3
Chloromethane
Concen: 0.882 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Tgt Ion: 50 Resp: 3292
Ion Ratio Lower Upper
50 100
52 37.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN

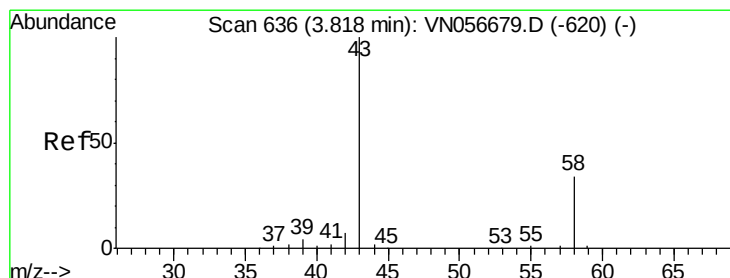
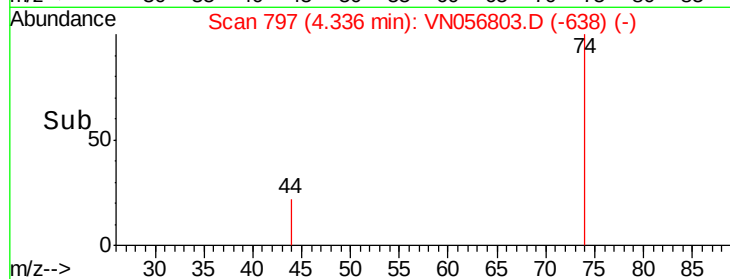
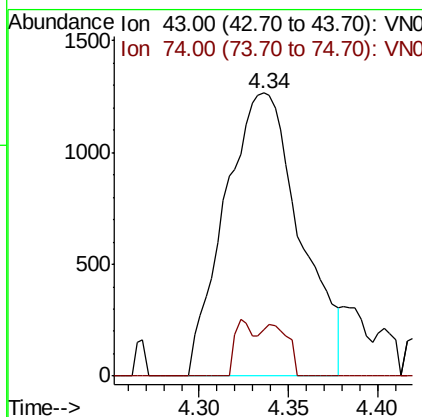
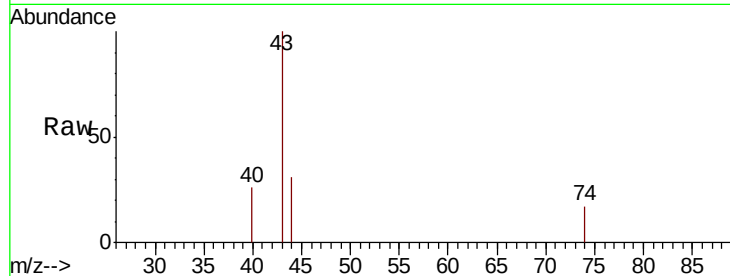




#12
Methyl Acetate
Concen: 0.958 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

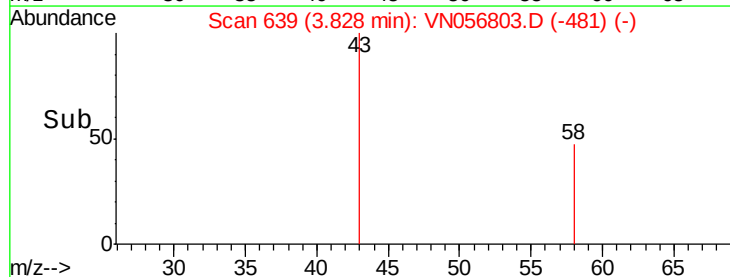
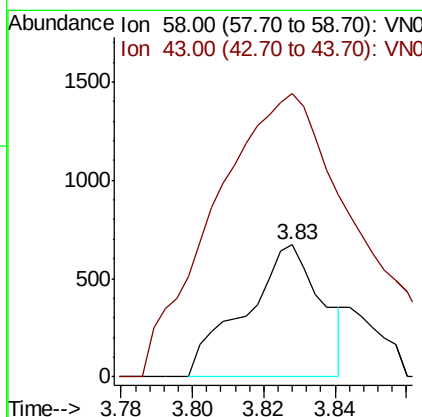
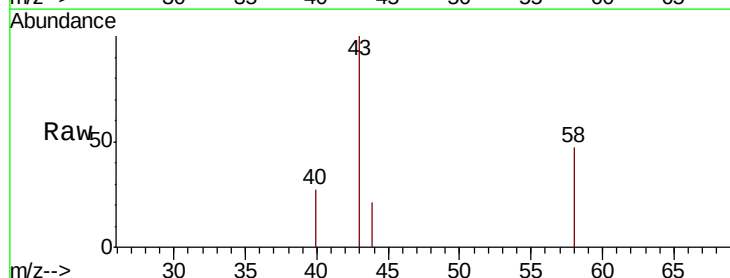
Instrument :
MSVOA_N
ClientSampled :
TW-3-DEP

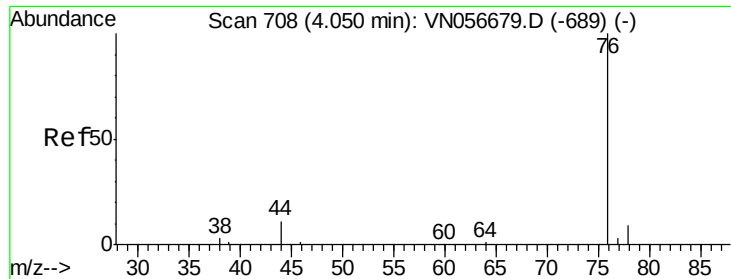
Tot Ion: 43 Resp: 3713
Ion Ratio Lower Upper
43 100
74 18.9 20.2 30.4#



#15
Acetone
Concen: 1.688 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Tgt Ion: 58 Resp: 995
Ion Ratio Lower Upper
58 100
43 138.2 233.9 350.9#

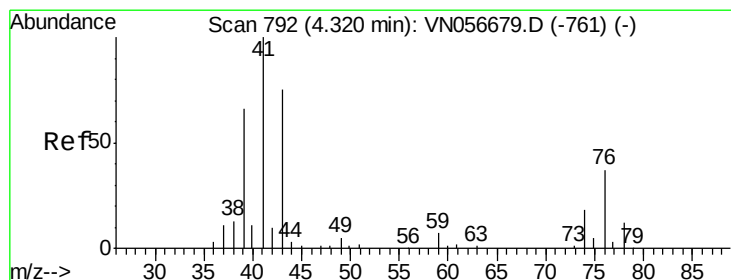
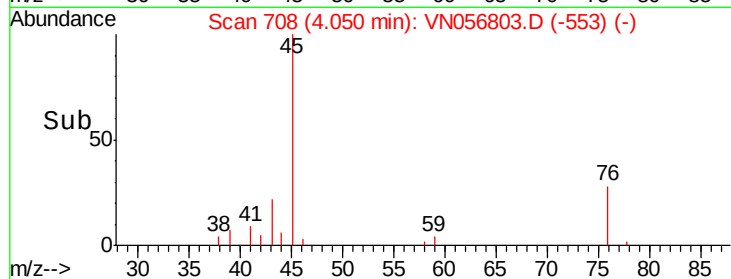
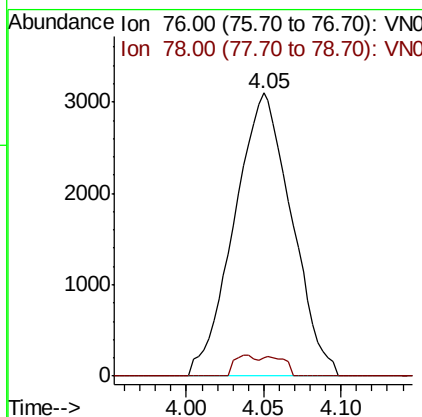
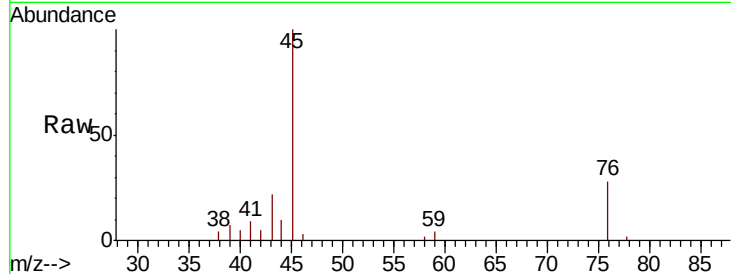




#16
Carbon Disulfide
Concen: 1.043 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

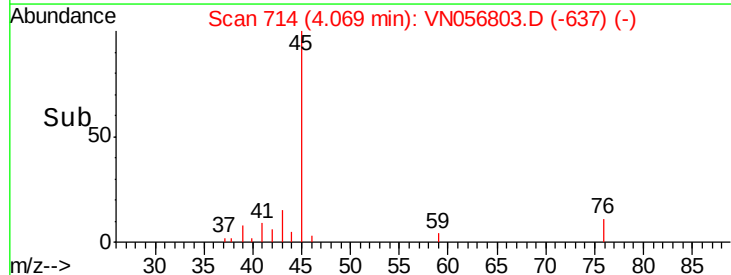
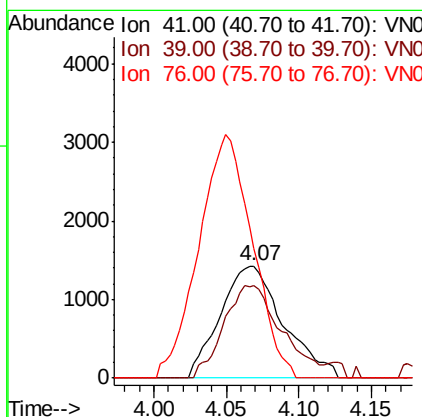
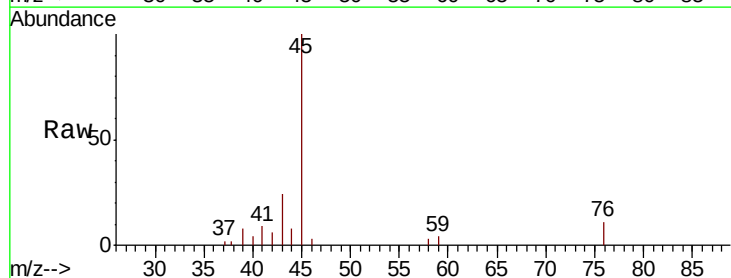
Instrument :
MSVOA_N
ClientSampleId :
TW-3-DEP

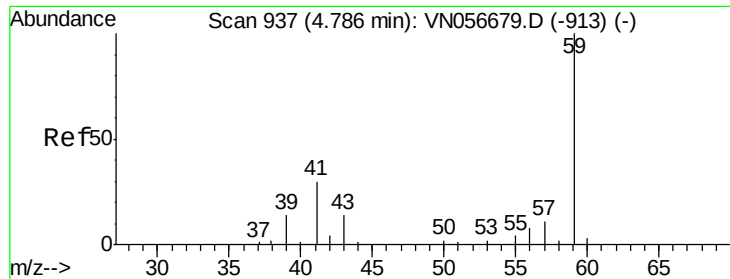
Tot Ion: 76 Resp: 7964
Ion Ratio Lower Upper
76 100
78 6.4 7.4 11.0#



#17
Allyl chloride
Concen: 0.854 ug/l
RT: 4.07 min Scan# 714
Delta R.T. -0.25 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Tgt Ion: 41 Resp: 4323
Ion Ratio Lower Upper
41 100
39 82.5 32.8 98.4
76 115.1 18.5 55.5#



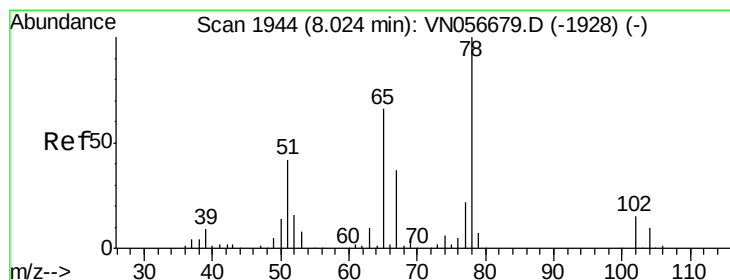
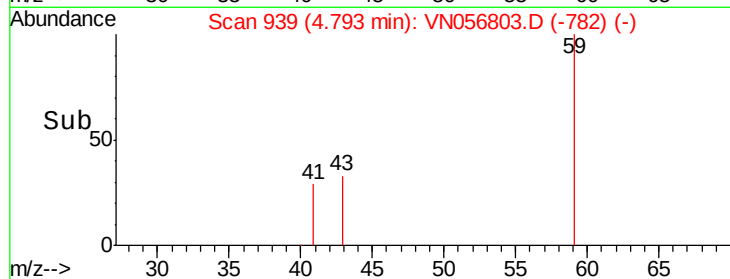
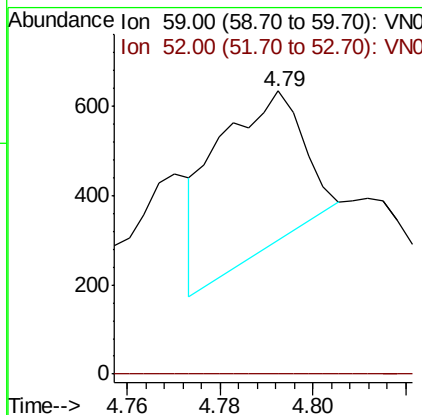
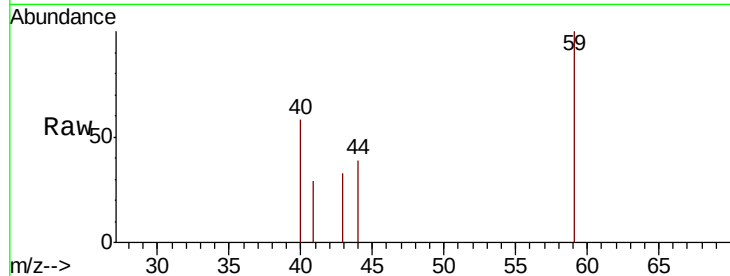


#23

tert-Butyl Alcohol
 Concen: 0.786 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN056803.D
 Acq: 18 Jul 2019 10:32

Instrument :
 MSVOA_N
 ClientSampled :
 TW-3-DEP

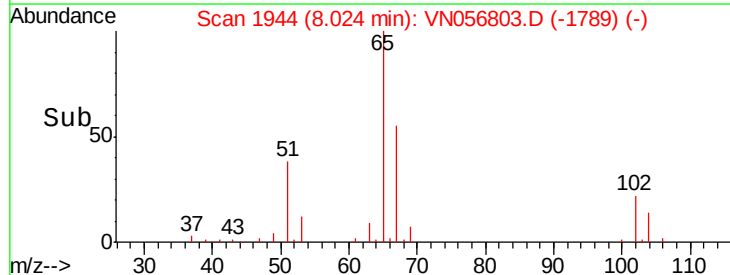
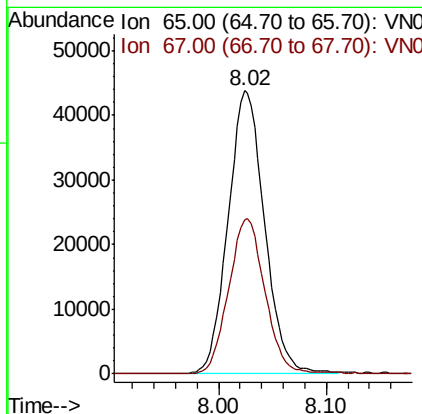
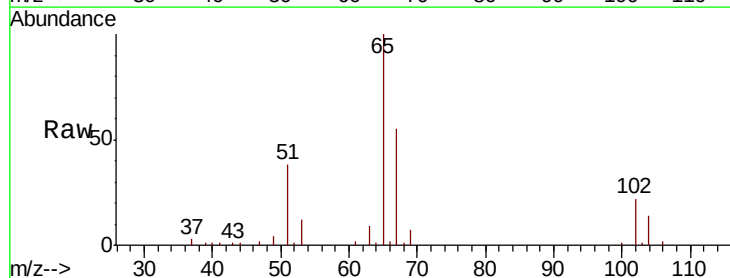
Tot Ion: 59 Resp: 468
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

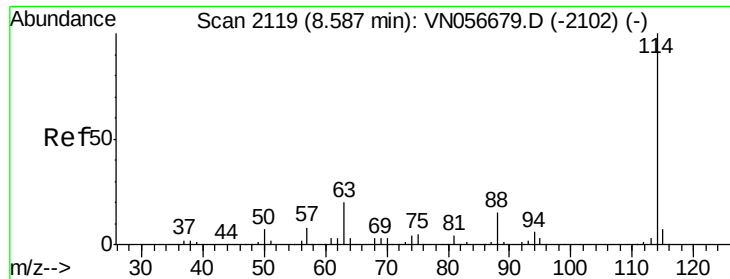


#27

1,2-Dichloroethane-d4
 Concen: 31.022 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056803.D
 Acq: 18 Jul 2019 10:32

Tgt Ion: 65 Resp: 103152
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.4 65.0

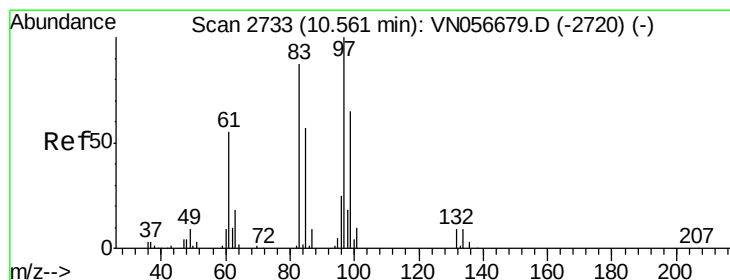
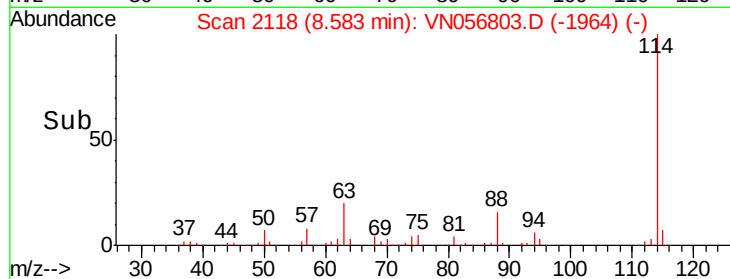
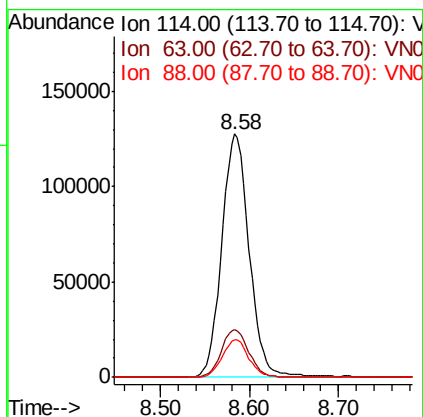
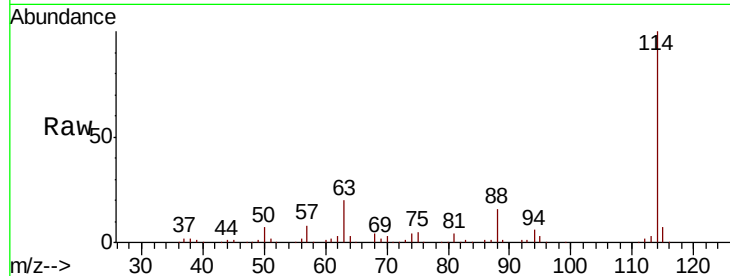




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056803.D
 Acq: 18 Jul 2019 10:32

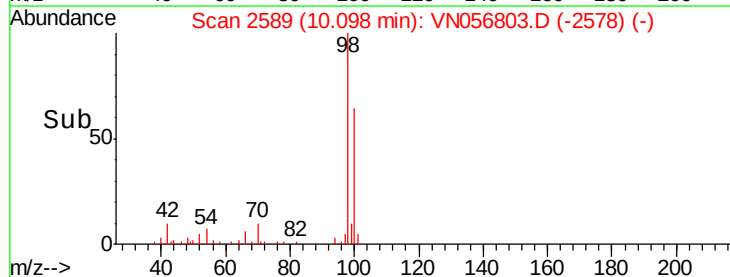
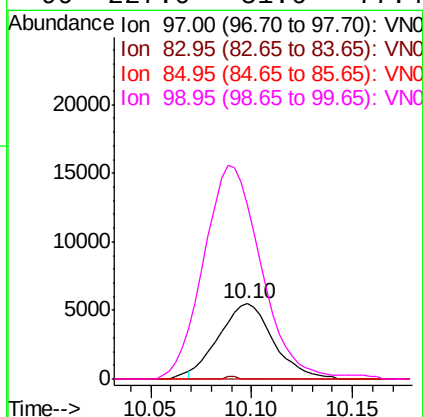
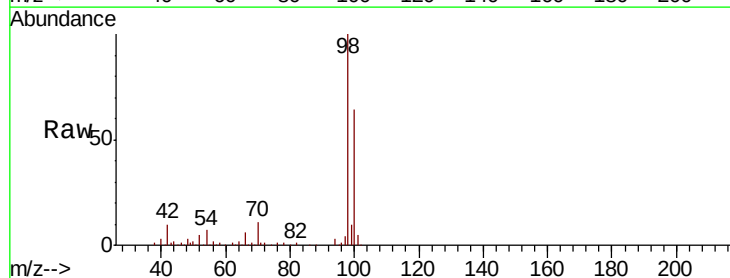
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3-DEP

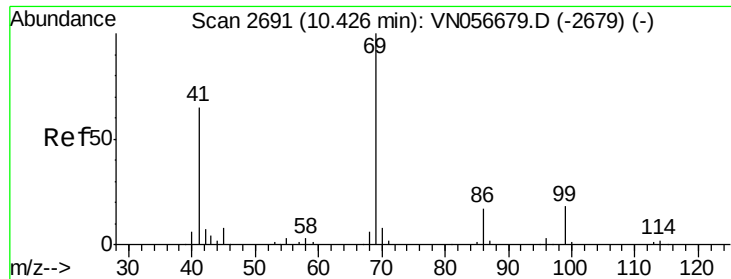
Tot Ion:114 Resp: 272369
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 15.0 12.3 18.5



#50
 1,1,2-Trichloroethane
 Concen: 3.134 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN056803.D
 Acq: 18 Jul 2019 10:32

Tgt Ion: 97 Resp: 10385
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.2 103.8#
 85 0.0 45.3 67.9#
 99 227.0 51.6 77.4#

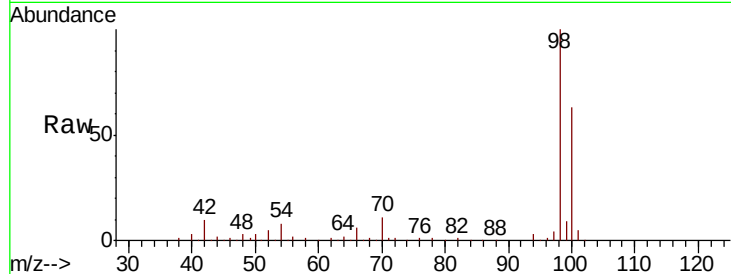




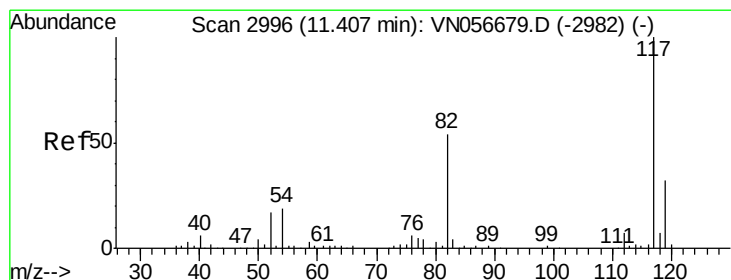
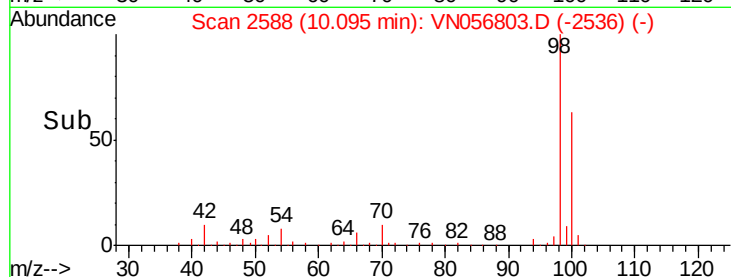
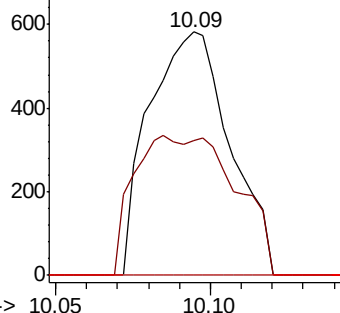
#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
TW-3-DEP

Tot Ion: 69 Resp: 1057
Ion Ratio Lower Upper
69 100
41 55.5 32.8 98.3
39 0.0 15.4 46.2#

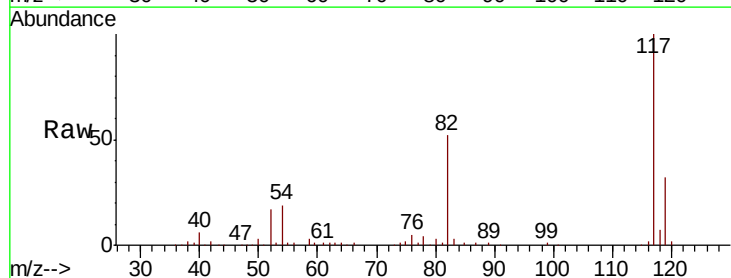


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

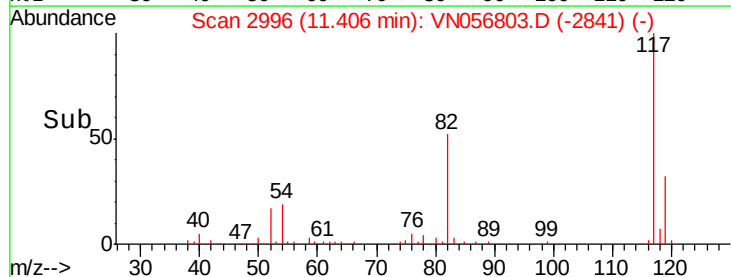
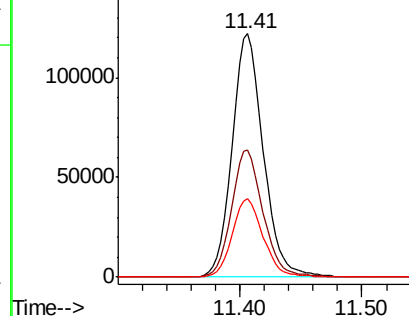


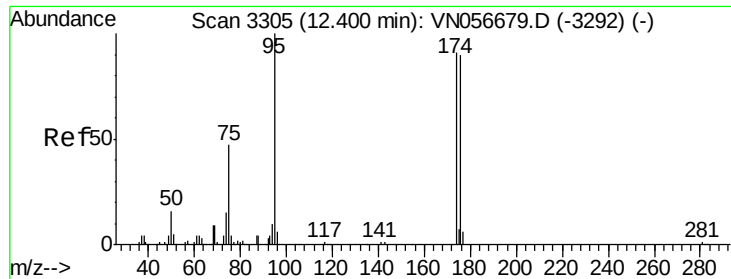
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Tgt Ion: 117 Resp: 218045
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.0 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 22.506 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056803.D

Acq: 18 Jul 2019 10:32

Instrument :

MSVOA_N

ClientSampled :

TW-3-DEP

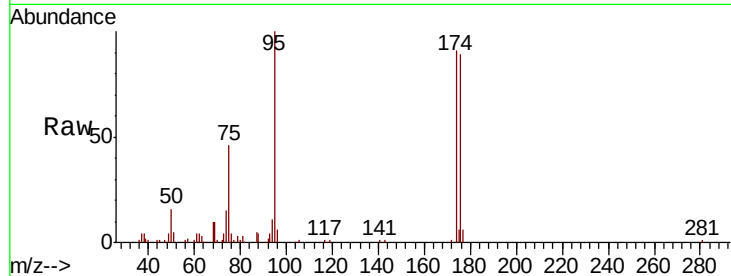
Tot Ion: 95 Resp: 75104

Ion Ratio Lower Upper

95 100

174 93.3 72.6 108.8

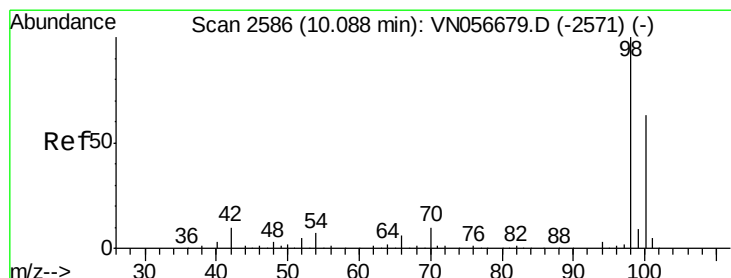
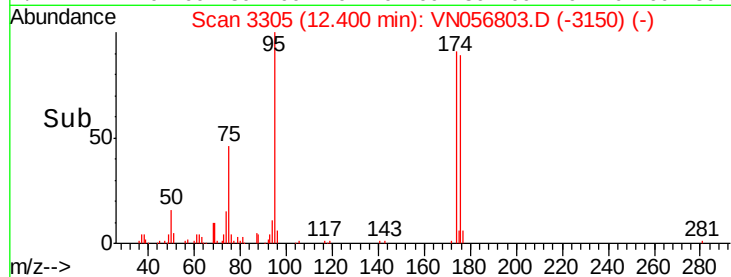
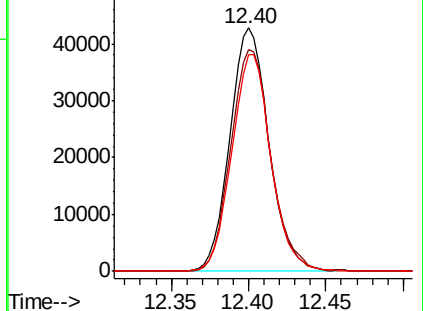
176 89.2 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN056803.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056803.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056803.D (-3150) (-)



#63

Toluene-d8

Concen: 31.737 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056803.D

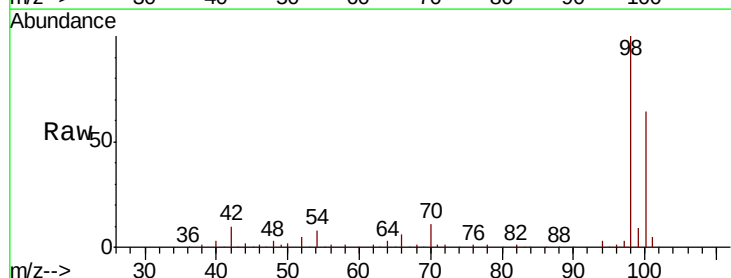
Acq: 18 Jul 2019 10:32

Tgt Ion: 98 Resp: 316188

Ion Ratio Lower Upper

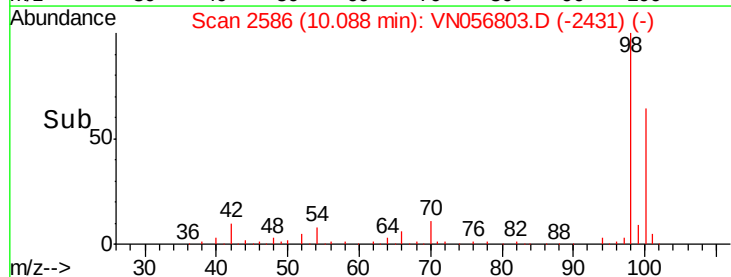
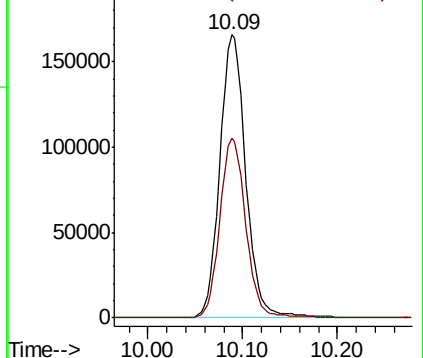
98 100

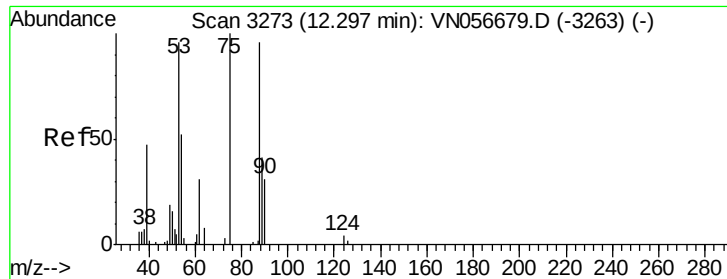
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056803.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN056803.D (-2431) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 28.559 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056803.D
Acq: 18 Jul 2019 10:32

Instrument :
MSVOA_N
ClientSampleId :
TW-3-DEP

Tot Ion: 75 Resp: 35176
Ion Ratio Lower Upper
75 100
53 0.0 48.6 145.8#
89 0.0 21.3 64.0#

