

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056242.D
 Acq On : 12 Jun 2019 12:02
 Operator : JC/SP
 Sample : K3297-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OF-3

Quant Time: Jun 13 05:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50095	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	248686	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	204665	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	94001	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%
60) 4-Bromofluorobenzene	12.40	95	69614	22.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.50%
63) Toluene-d8	10.09	98	293702	31.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.43%

Target Compounds

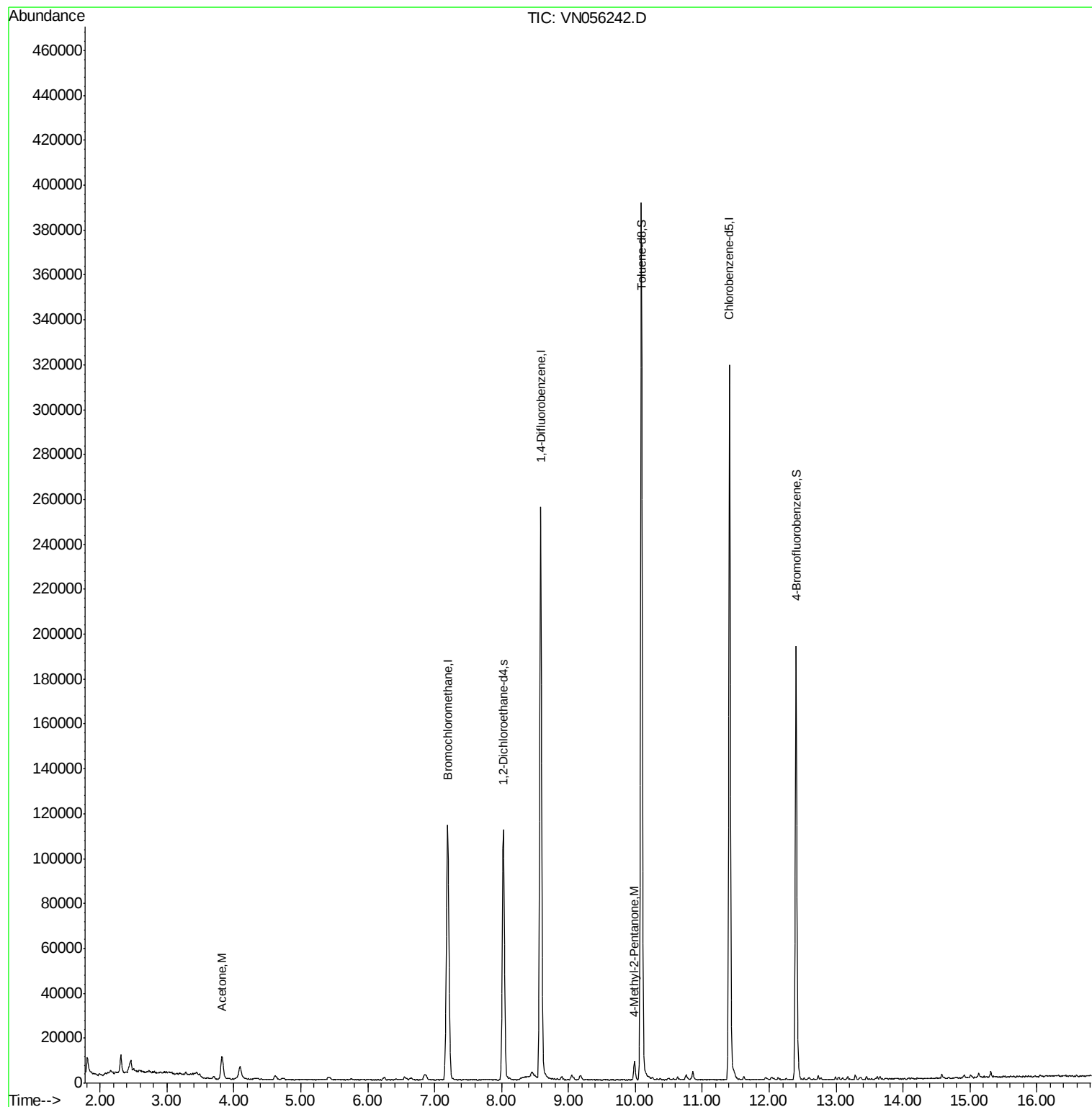
					Ovalue
15) Acetone	3.82	58	5875	12.804	ug/l 91
58) 4-Methyl-2-Pentanone	9.99	43	6620	2.136	ug/l 92

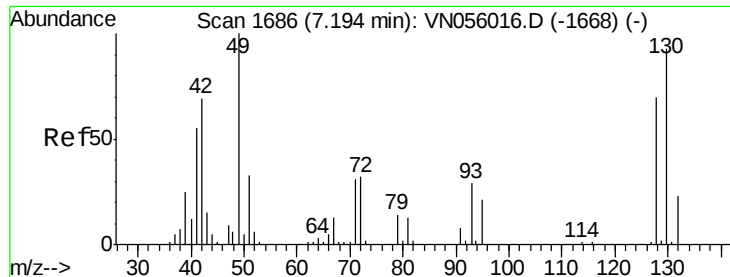
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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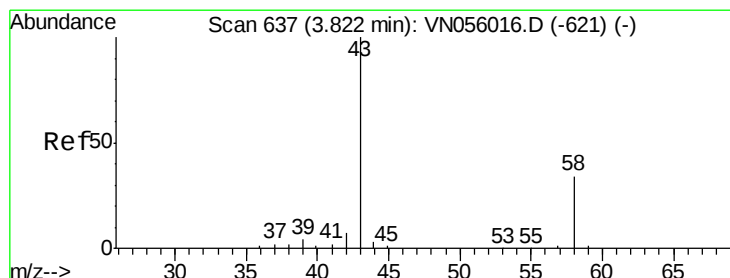
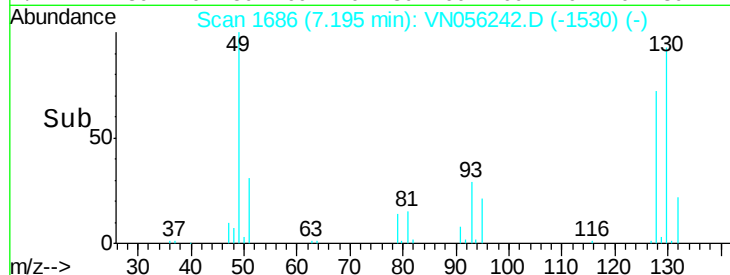
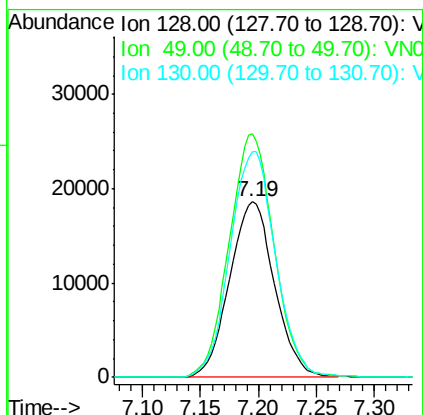
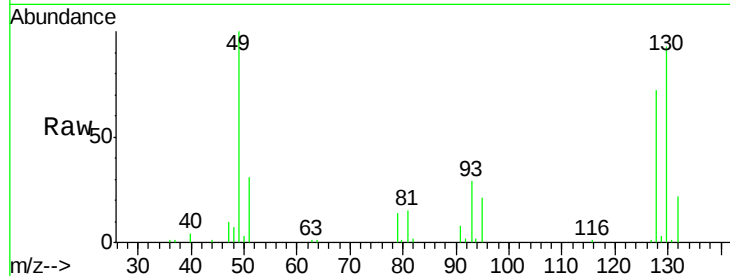




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056242.D
 Acq: 12 Jun 2019 12:02

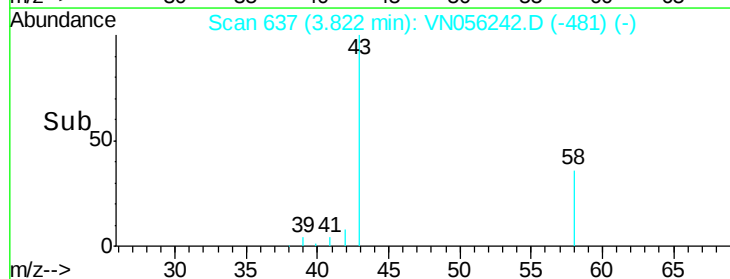
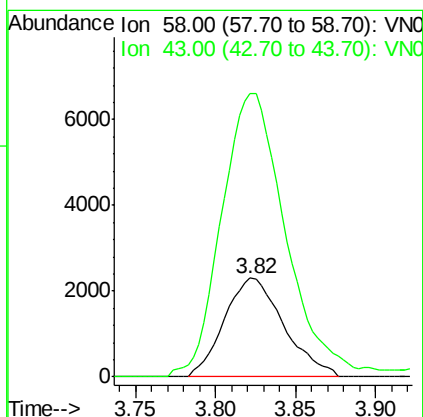
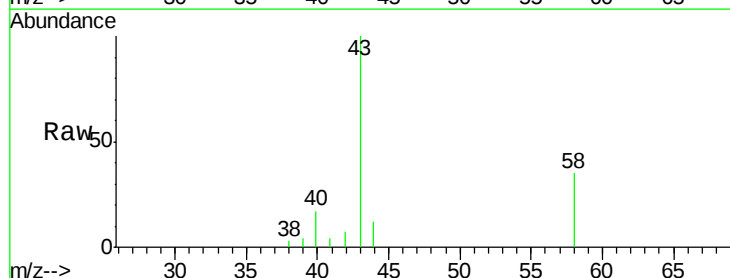
Instrument :
 MSVOA_N
 ClientSampled :
 OF-3

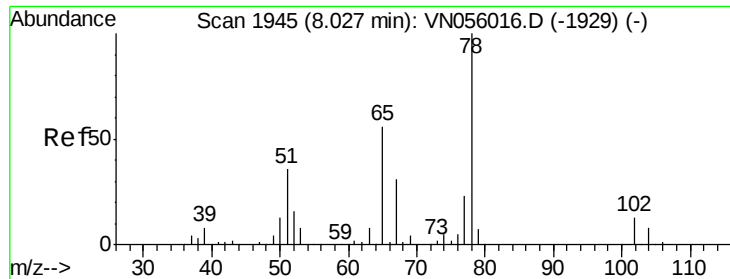
Tot Ion:128 Resp: 50095
 Ion Ratio Lower Upper
 128 100
 49 138.6 0.0 355.8
 130 129.9 0.0 326.3



#15
 Acetone
 Concen: 12.804 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056242.D
 Acq: 12 Jun 2019 12:02

Tgt Ion: 58 Resp: 5875
 Ion Ratio Lower Upper
 58 100
 43 273.3 232.5 348.7

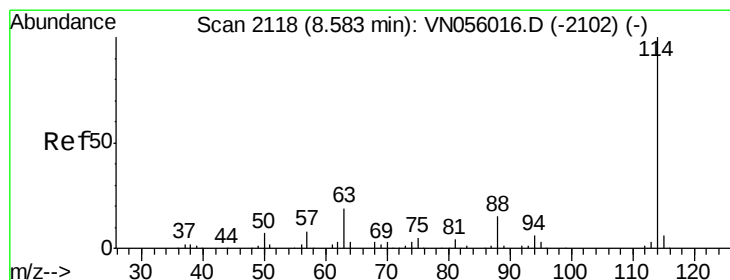
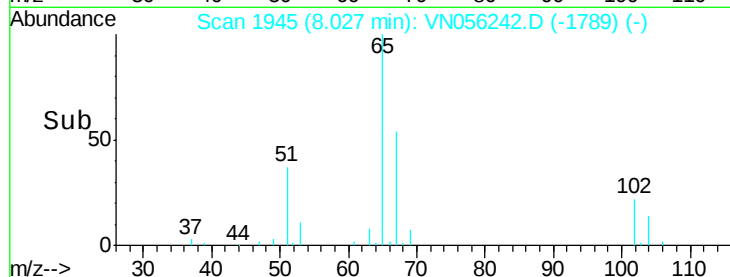
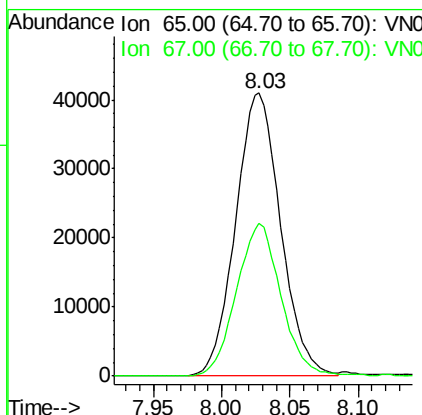
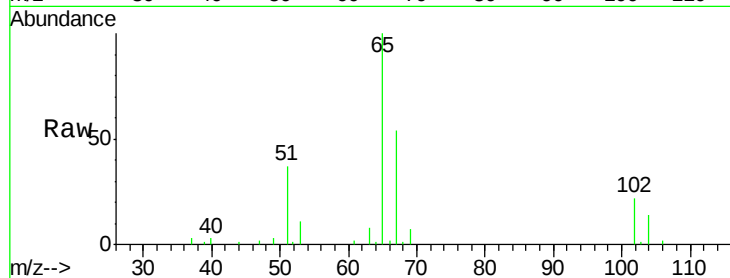




#27
 1,2-Dichloroethane-d4
 Concen: 30.217 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056242.D
 Acq: 12 Jun 2019 12:02

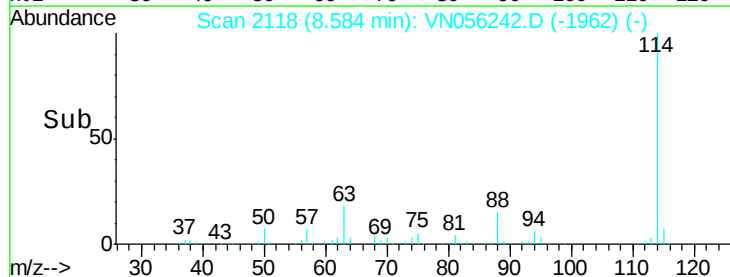
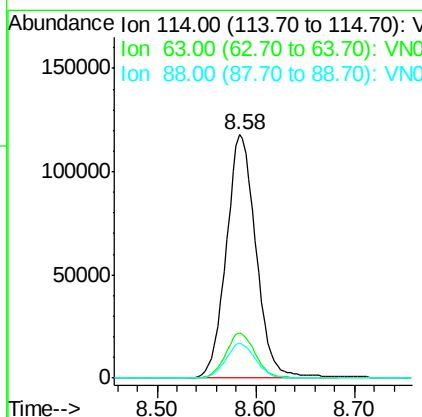
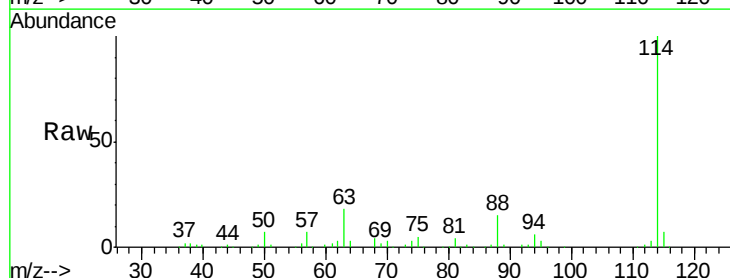
Instrument :
 MSVOA_N
 ClientSampled :
 OF-3

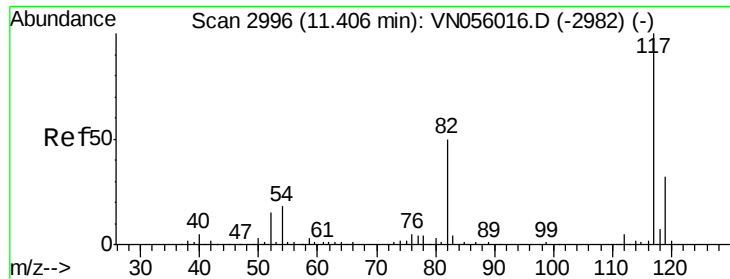
Tot Ion: 65 Resp: 94001
 Ion Ratio Lower Upper
 65 100
 67 53.2 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056242.D
 Acq: 12 Jun 2019 12:02

Tgt Ion: 114 Resp: 248686
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 14.4 11.9 17.9

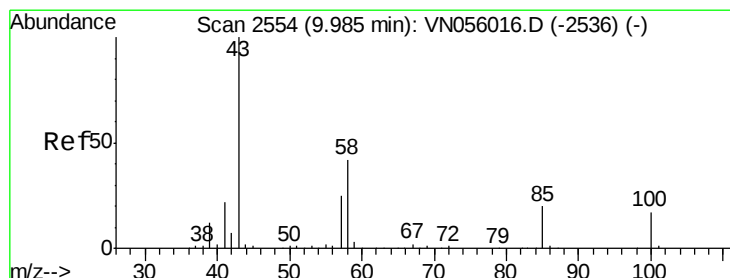
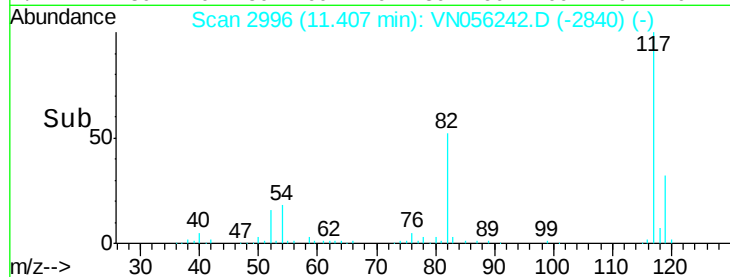
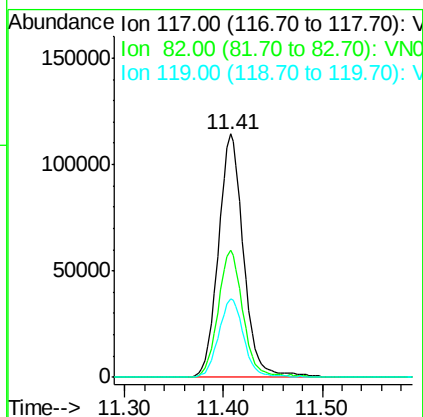
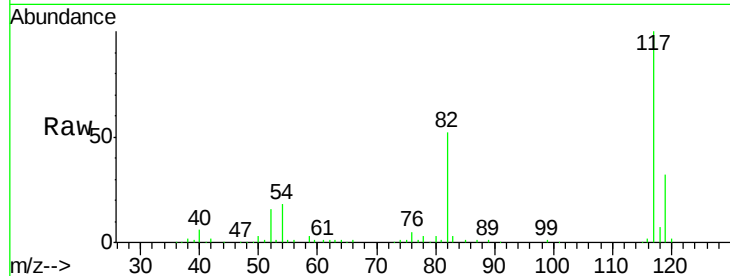




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056242.D
Acq: 12 Jun 2019 12:02

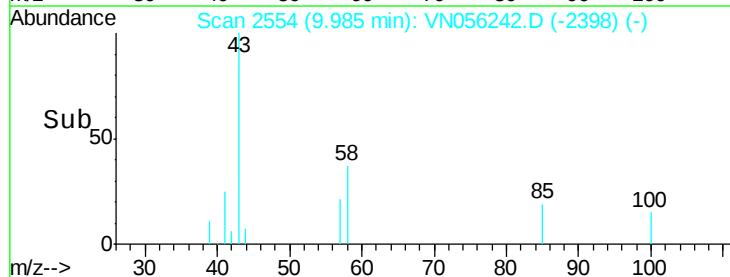
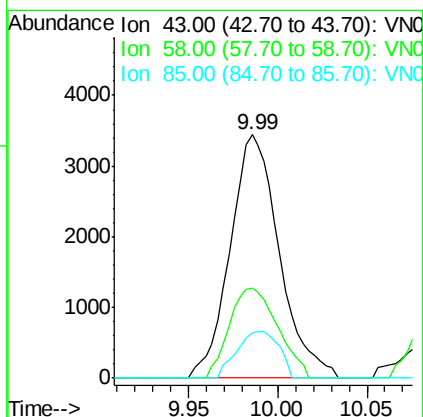
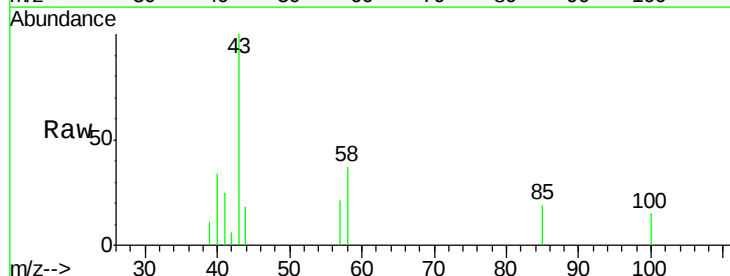
Instrument :
MSVOA_N
ClientSampled :
OF-3

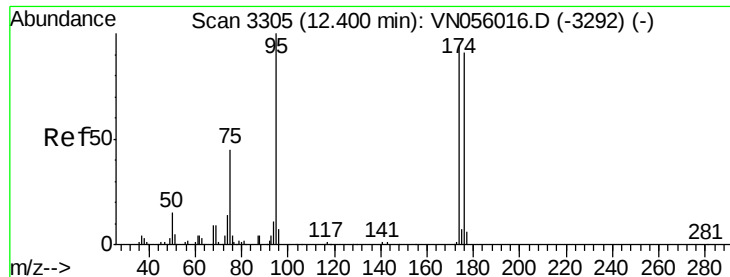
Tot Ion:117 Resp: 204665
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 32.2 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 2.136 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056242.D
Acq: 12 Jun 2019 12:02

Tgt Ion: 43 Resp: 6620
Ion Ratio Lower Upper
43 100
58 36.3 33.1 49.7
85 16.3 15.5 23.3





#60

4-Bromofluorobenzene

Concen: 22.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056242.D

Acq: 12 Jun 2019 12:02

Instrument :

MSVOA_N

ClientSampled :

OF-3

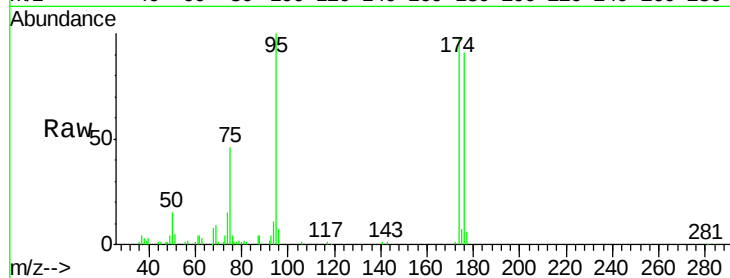
Tot Ion: 95 Resp: 69614

Ion Ratio Lower Upper

95 100

174 101.3 75.4 113.0

176 93.8 73.9 110.9

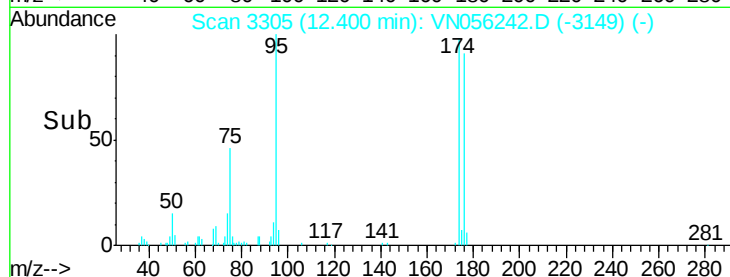


Abundance Ion 95.00 (94.70 to 95.70): VN056016.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN056016.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN056016.D (-3292) (-)

Time-->

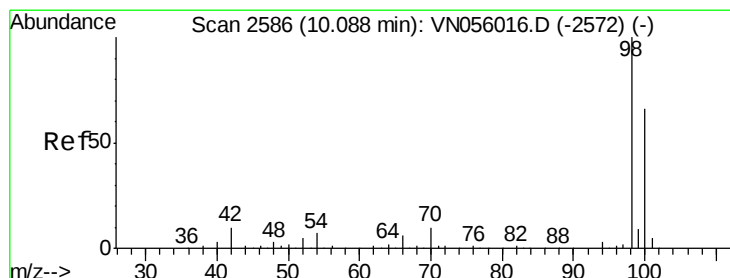


Abundance Ion 95.00 (94.70 to 95.70): VN056242.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN056242.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN056242.D (-3149) (-)

Time-->



#63

Toluene-d8

Concen: 31.634 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056242.D

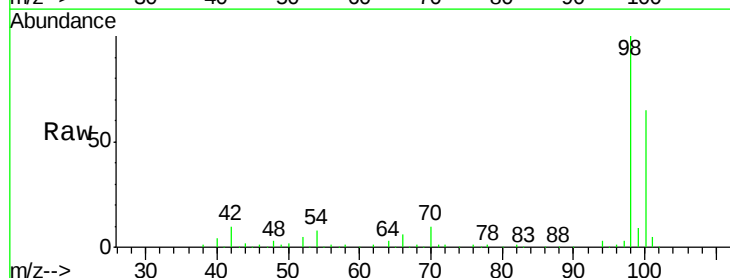
Acq: 12 Jun 2019 12:02

Tgt Ion: 98 Resp: 293702

Ion Ratio Lower Upper

98 100

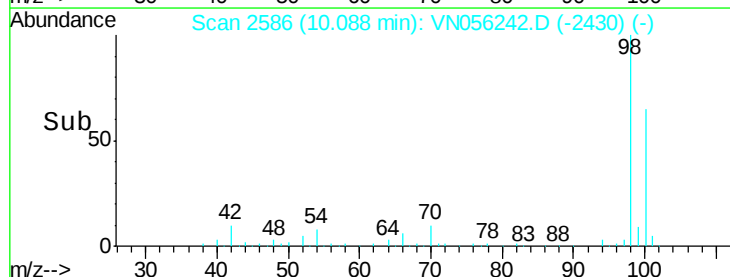
100 63.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN056242.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN056242.D (-2430) (-)

Time-->