

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056238.D
 Acq On : 12 Jun 2019 10:22
 Operator : JC/SP
 Sample : K3297-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OF-1

Quant Time: Jun 13 04:26:50 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	50705	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	247000	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	203572	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	93068	29.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.53%
60) 4-Bromofluorobenzene	12.40	95	67247	22.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.30%
63) Toluene-d8	10.09	98	286849	31.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.53%

Target Compounds

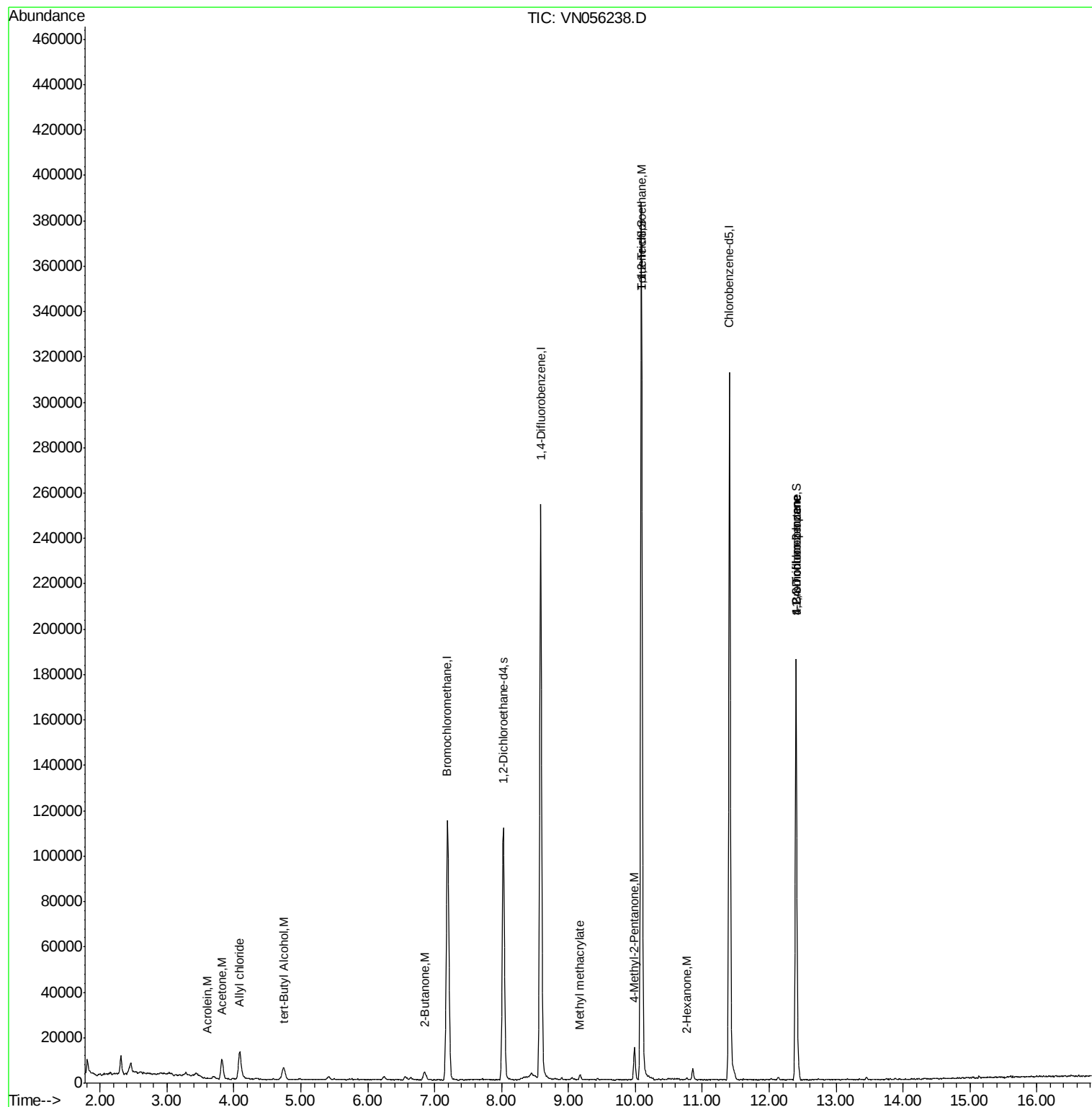
					Ovalue	
13) Acrolein	3.60	56	168	1.084	ug/l #	13
15) Acetone	3.82	58	4872	10.491	ug/l	94
17) Allyl chloride	4.09	41	2254	0.550	ug/l #	77
23) tert-Butyl Alcohol	4.74	59	3362	6.090	ug/l #	100
30) 2-Butanone	6.86	43	3521	2.002	ug/l #	67
46) Methyl methacrylate	9.17	41	669	0.258	ug/l #	12
50) 1,1,2-Trichloroethane	10.09	97	9053	3.372	ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	10814	3.508	ug/l	96
59) 2-Hexanone	10.76	43	750	0.340	ug/l #	32
72) 1,2,3-Trichloropropane	12.40	75	30445	10.179	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	30445	35.673	ug/l #	11

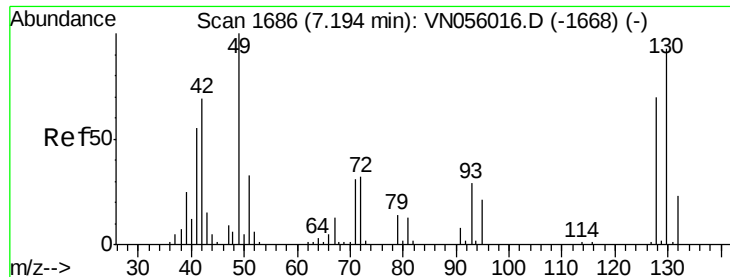
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
Data File : VN056238.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
OF-1

Quant Time: Jun 13 04:26:50 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

OF-1

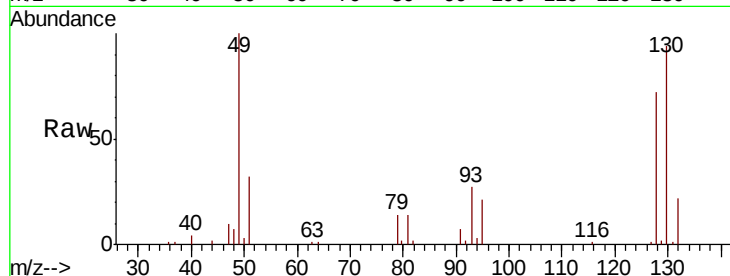
Tot Ion:128 Resp: 50705

Ion Ratio Lower Upper

128 100

49 137.5 0.0 355.8

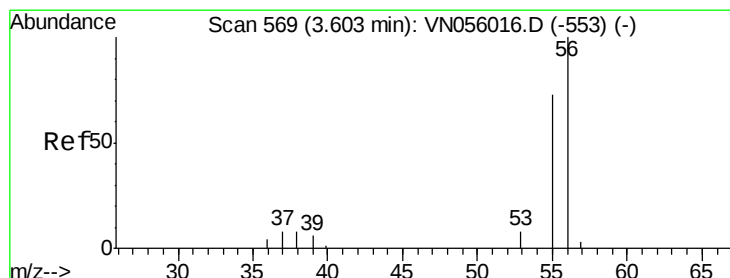
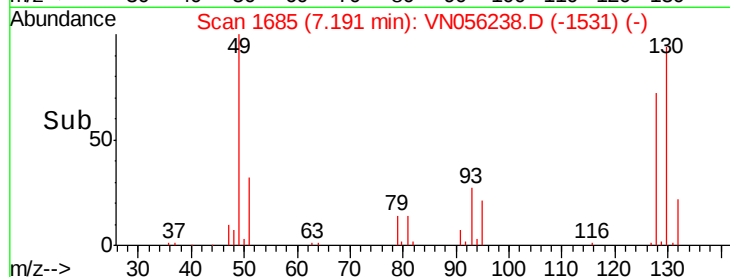
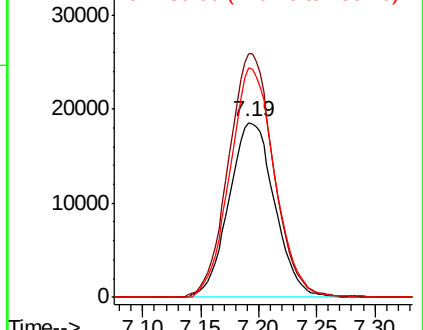
130 128.4 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 1.084 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056238.D

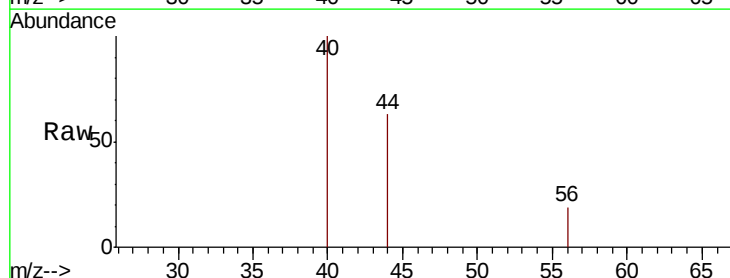
Acq: 12 Jun 2019 10:22

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

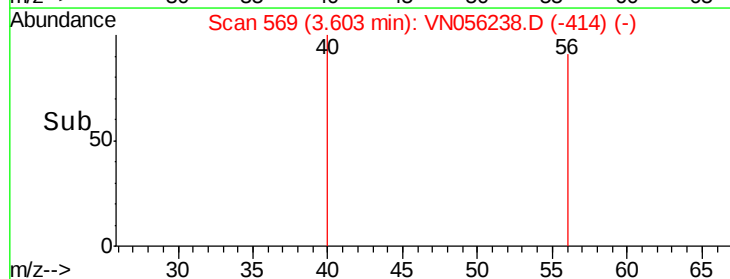
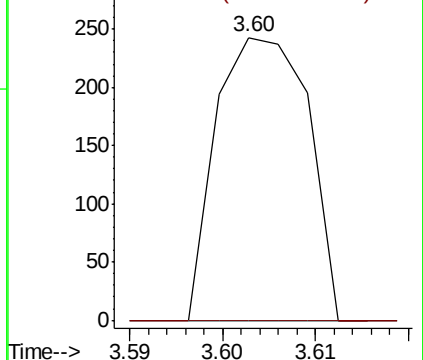
56 100

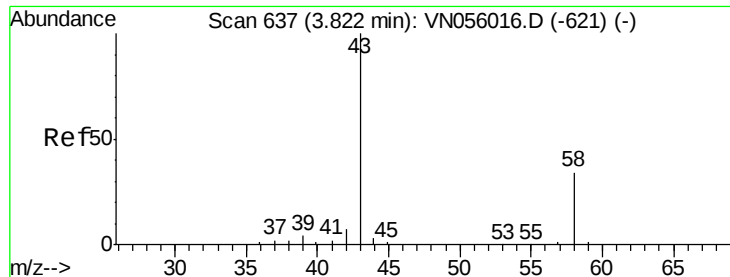
55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 10.491 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

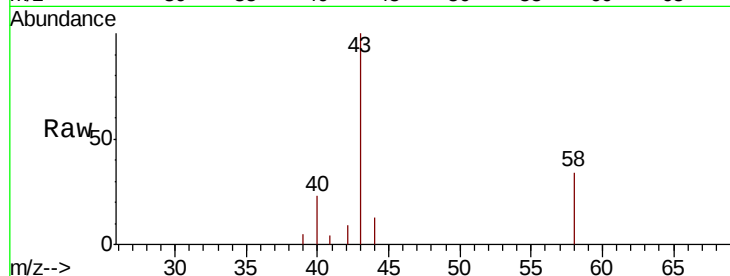
OF-1

Tot Ion: 58 Resp: 4872

Ion Ratio Lower Upper

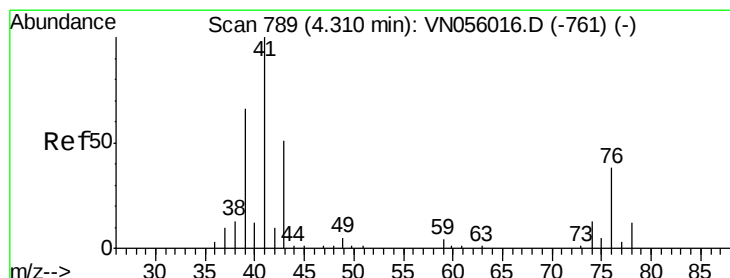
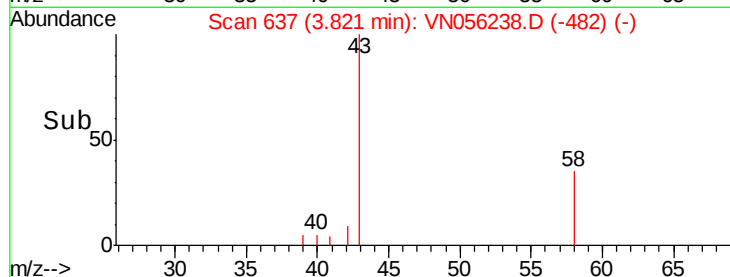
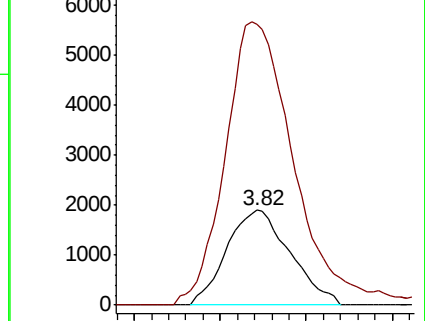
58 100

43 279.5 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#17

Allyl chloride

Concen: 0.550 ug/l

RT: 4.09 min Scan# 719

Delta R.T. -0.23 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

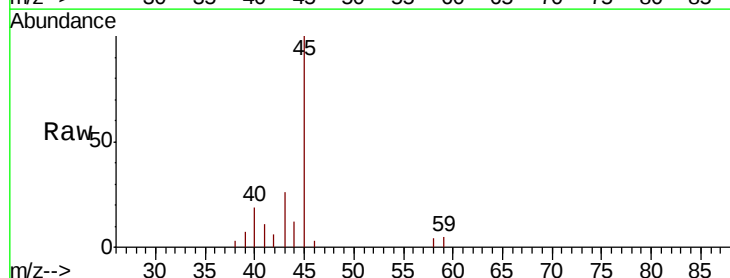
Tgt Ion: 41 Resp: 2254

Ion Ratio Lower Upper

41 100

39 66.4 33.0 99.0

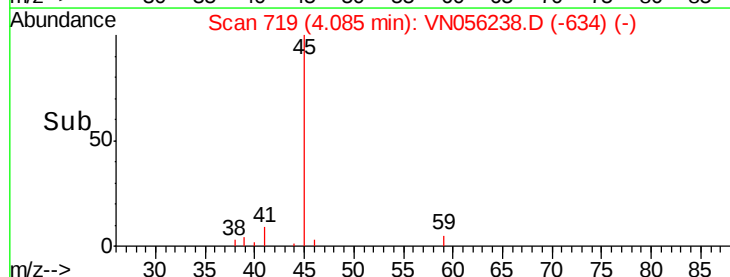
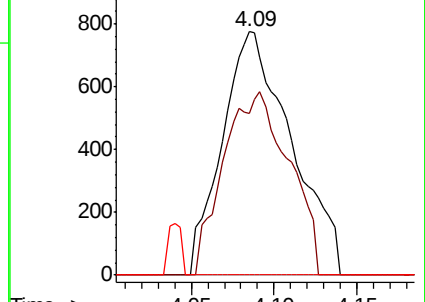
76 0.0 18.9 56.9#

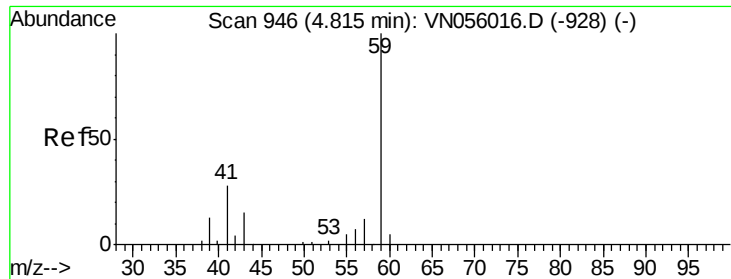


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



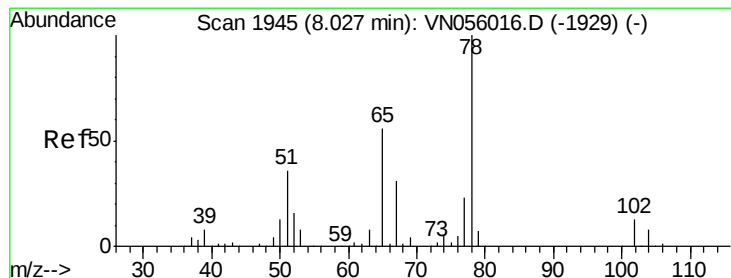
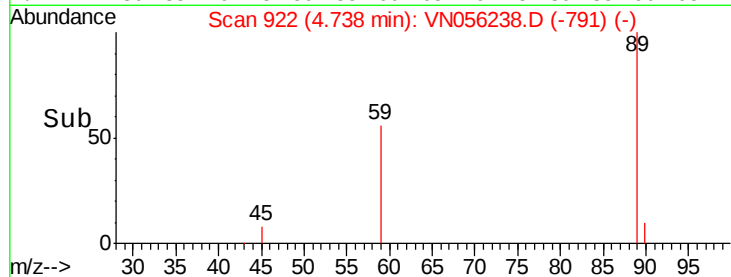
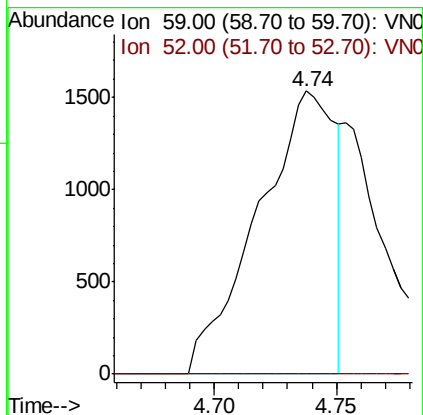
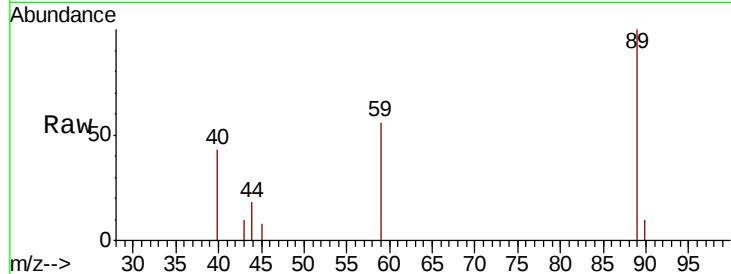


#23

tert-Butyl Alcohol
 Concen: 6.090 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.08 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 OF-1

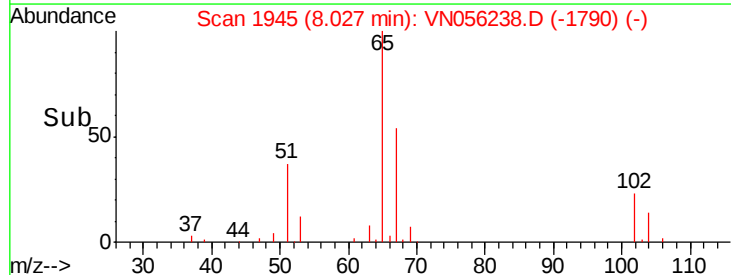
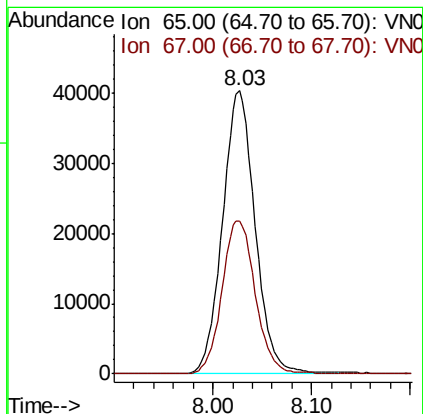
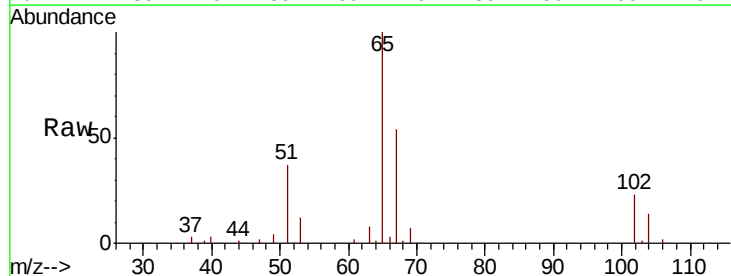
Tot Ion: 59 Resp: 3362
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

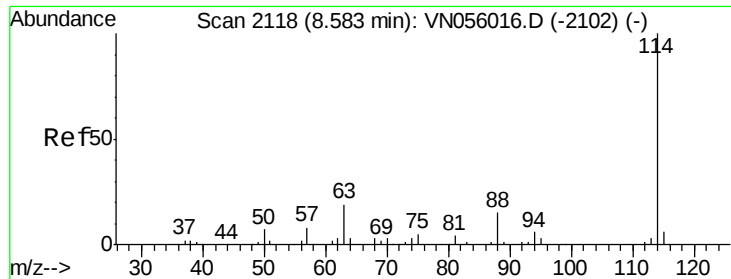


#27

1,2-Dichloroethane-d4
 Concen: 29.557 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

Tgt Ion: 65 Resp: 93068
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.4 65.2

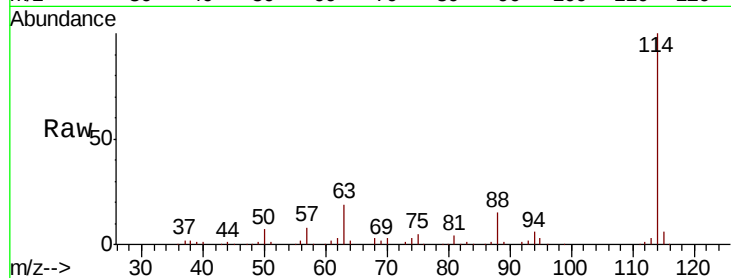




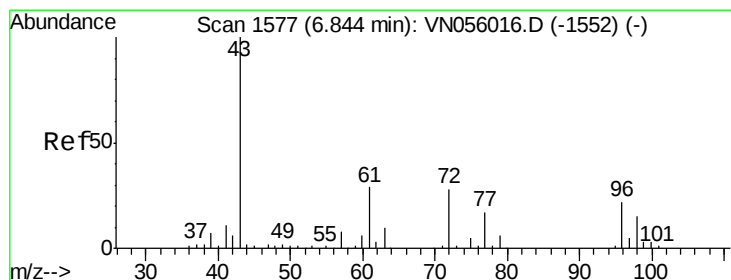
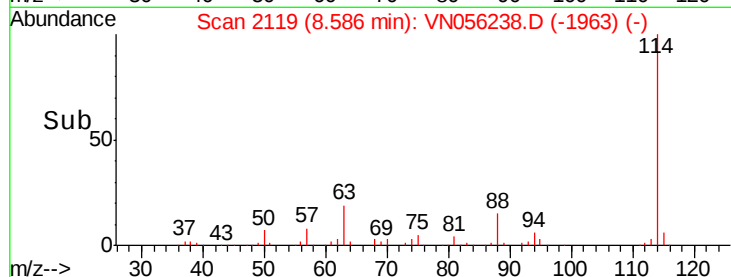
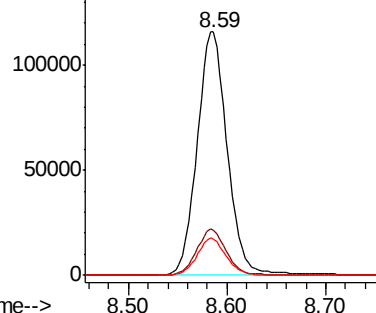
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 OF-1

Tot Ion:114 Resp: 247000
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 14.7 11.9 17.9

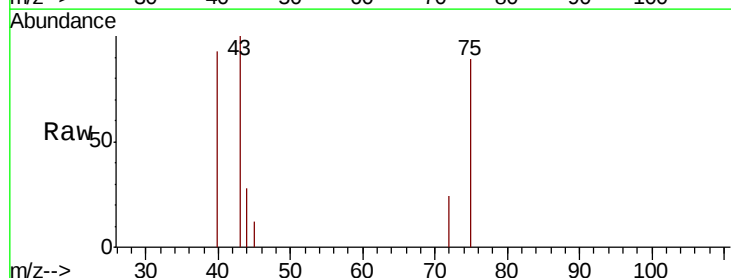


Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

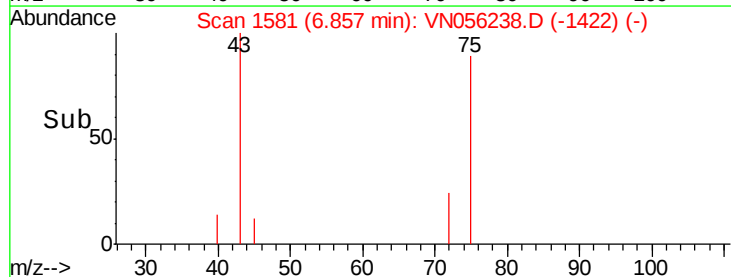
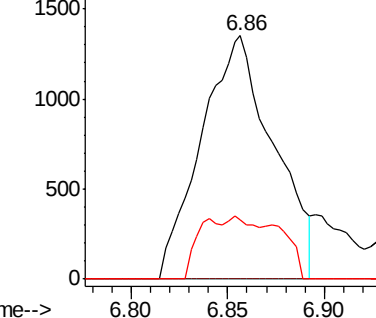


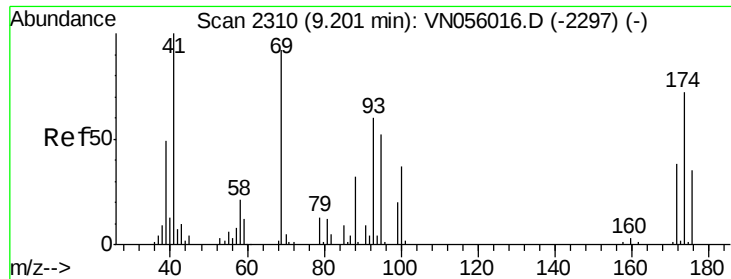
#30
 2-Butanone
 Concen: 2.002 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN056238.D
 Acq: 12 Jun 2019 10:22

Tgt Ion: 43 Resp: 3521
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.7 10.1#
 72 9.1 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN056016.D (-1552) (-)
 Ion 57.00 (56.70 to 57.70): VN056016.D (-1552) (-)
 Ion 72.00 (71.70 to 72.70): VN056016.D (-1552) (-)

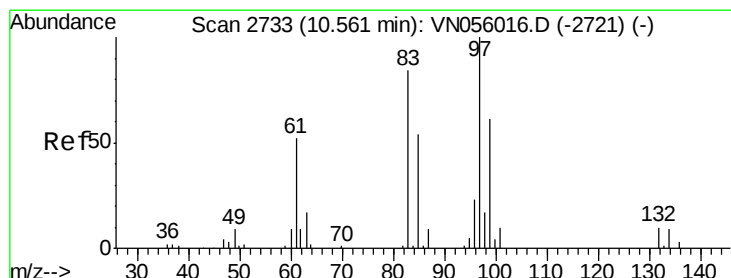
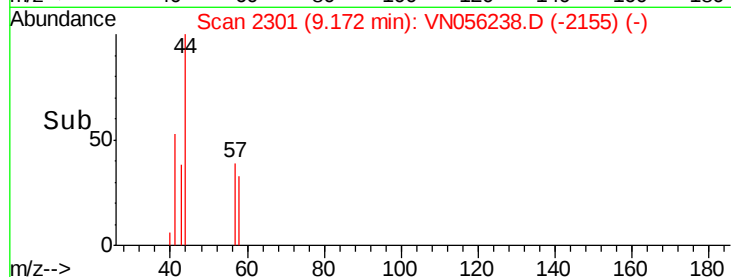
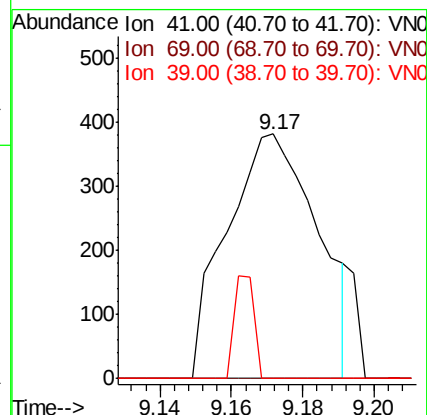
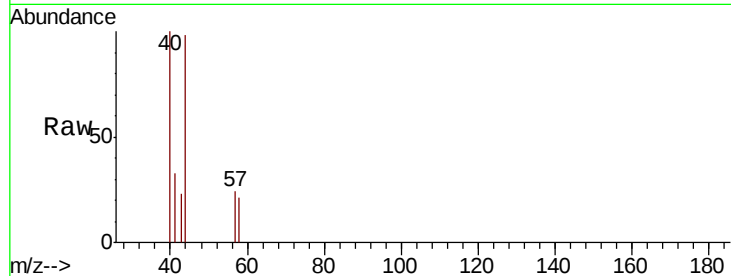




#46
Methyl methacrylate
Concen: 0.258 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.03 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

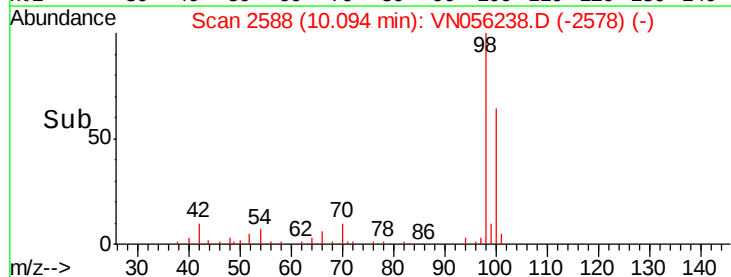
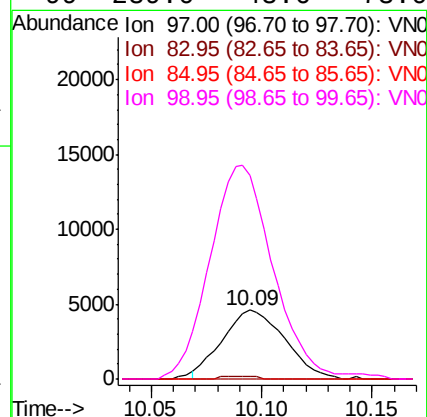
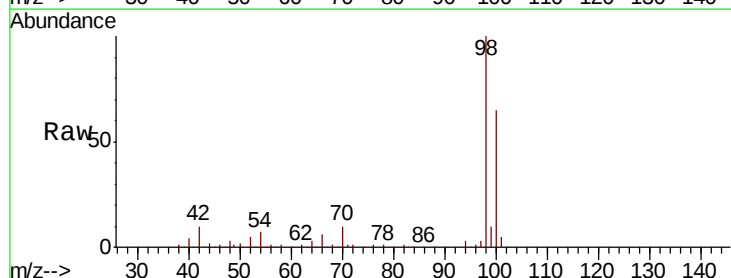
Instrument :
MSVOA_N
ClientSampled :
OF-1

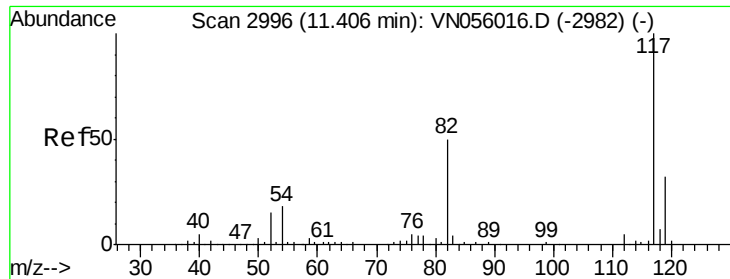
Tot Ion: 41 Resp: 669
Ion Ratio Lower Upper
41 100
69 0.0 46.0 137.8#
39 0.0 24.6 73.8#



#50
1,1,2-Trichloroethane
Concen: 3.372 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.47 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Tgt Ion: 97 Resp: 9053
Ion Ratio Lower Upper
97 100
83 3.8 66.9 100.3#
85 0.0 43.3 64.9#
99 289.0 48.6 73.0#

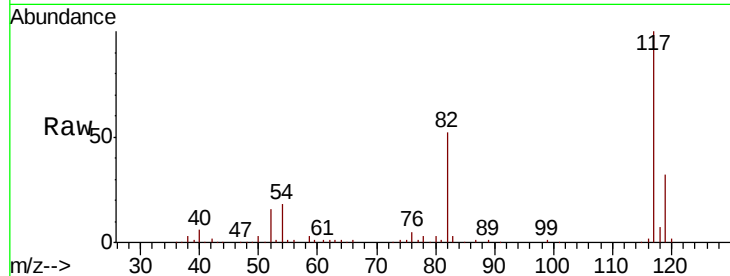




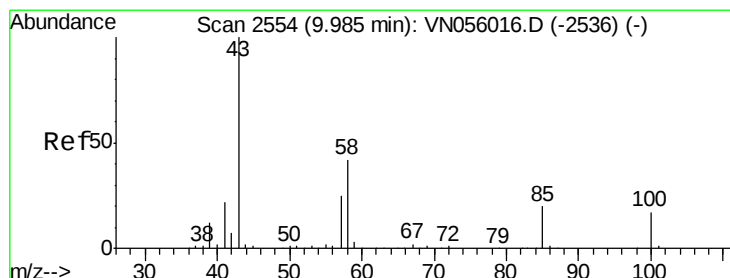
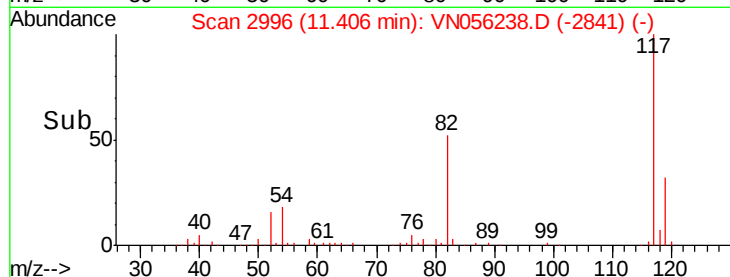
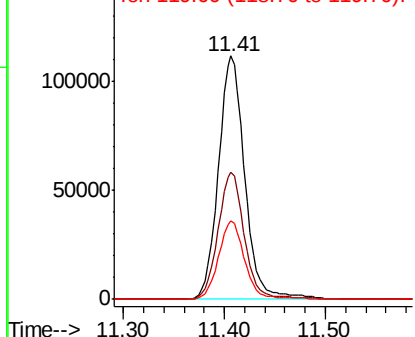
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
OF-1

Tot Ion:117 Resp: 203572
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 31.7 26.2 39.2

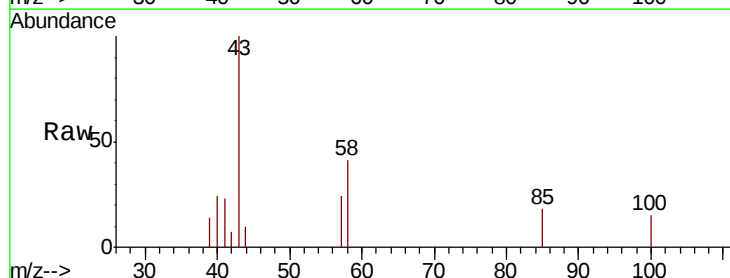


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

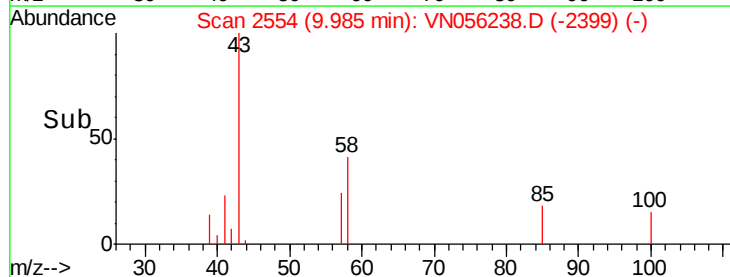
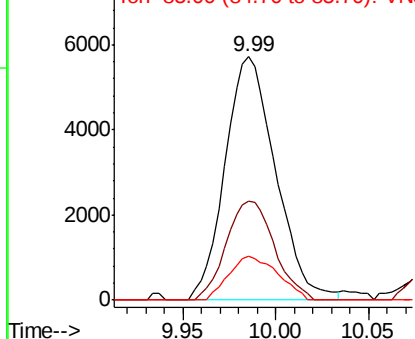


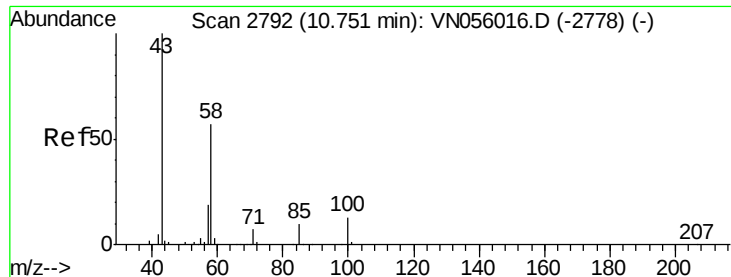
#58
4-Methyl-2-Pentanone
Concen: 3.508 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Tgt Ion: 43 Resp: 10814
Ion Ratio Lower Upper
43 100
58 38.7 33.1 49.7
85 17.4 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

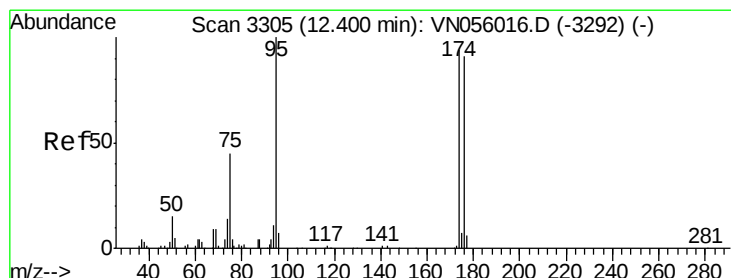
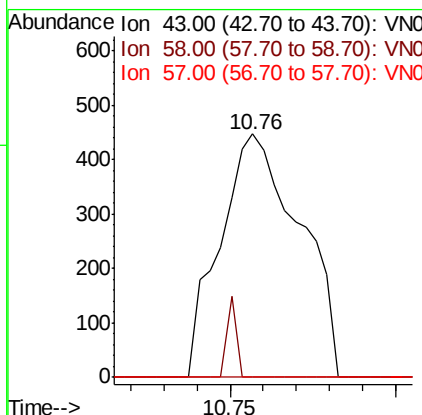
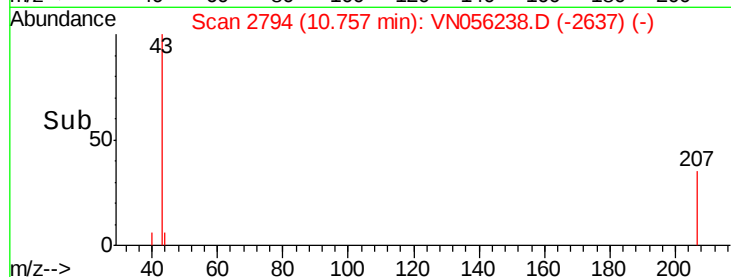
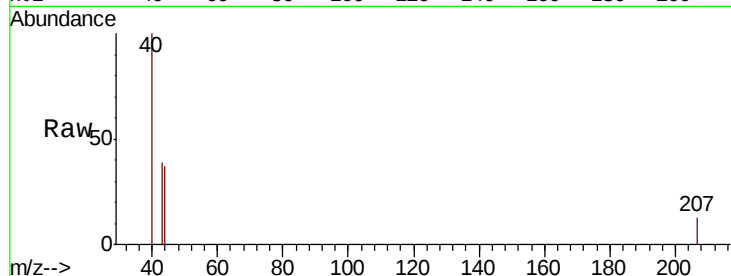




#59
2-Hexanone
Concen: 0.340 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

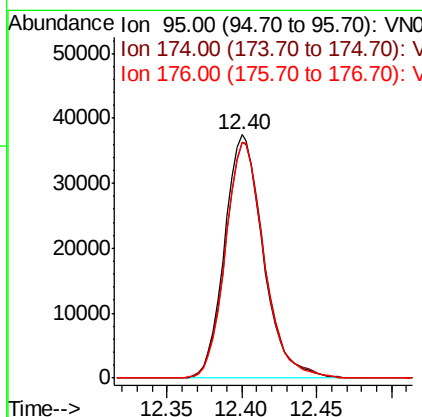
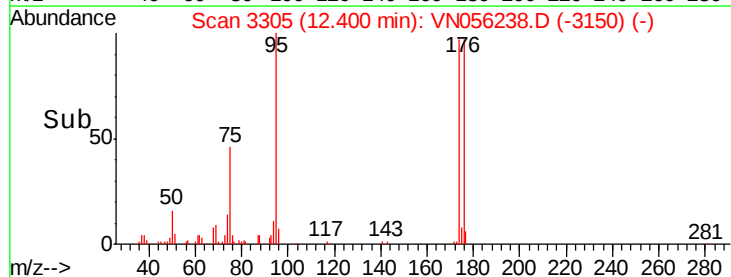
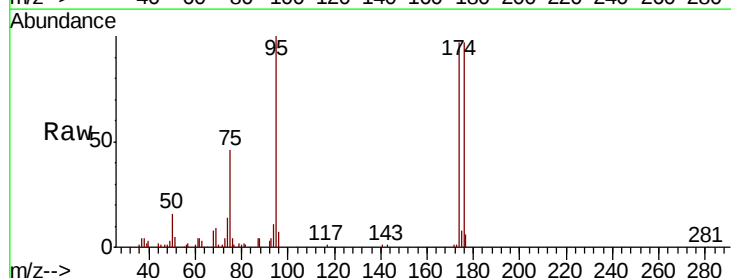
Instrument :
MSVOA_N
ClientSampled :
OF-1

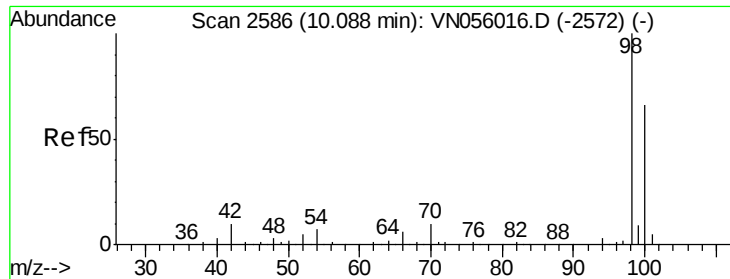
Tot Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 0.0 45.3 67.9#
57 0.0 15.6 23.4#



#60
4-Bromofluorobenzene
Concen: 22.287 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Tgt Ion: 95 Resp: 67247
Ion Ratio Lower Upper
95 100
174 98.0 75.4 113.0
176 96.4 73.9 110.9





#63

Toluene-d8

Concen: 31.062 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056238.D

Acq: 12 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

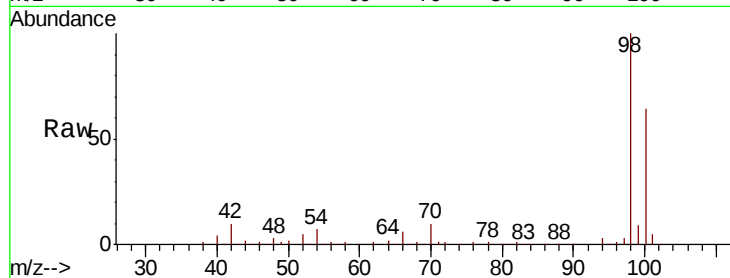
OF-1

Tot Ion: 98 Resp: 286849

Ion Ratio Lower Upper

98 100

100 65.0 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) (-)

10.09

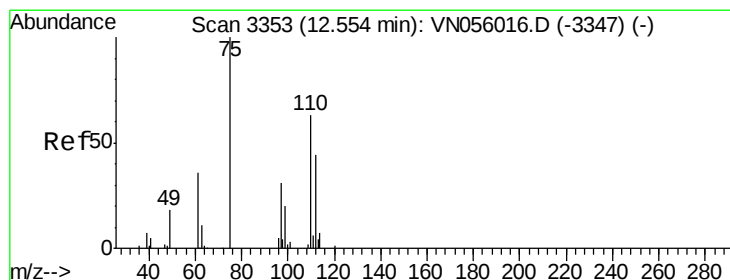
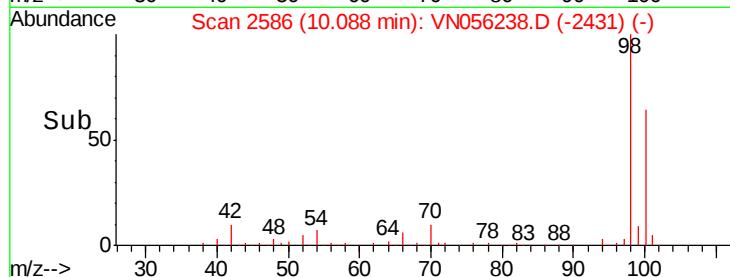
150000

100000

50000

0

Time--> 10.00 10.05 10.10 10.15



#72

1,2,3-Trichloropropane

Concen: 10.179 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056238.D

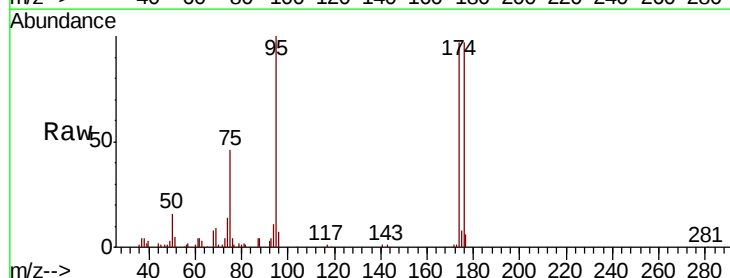
Acq: 12 Jun 2019 10:22

Tgt Ion: 75 Resp: 30445

Ion Ratio Lower Upper

75 100

77 0.8 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056016.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN056016.D (-3347) (-)

20000

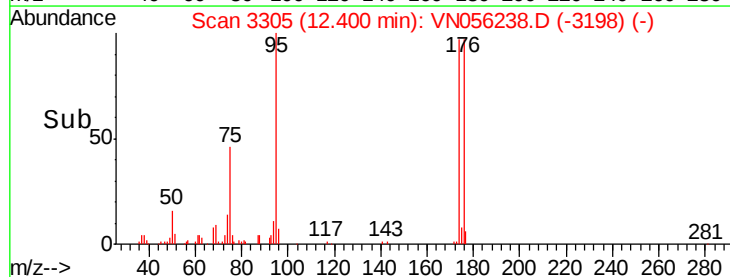
15000

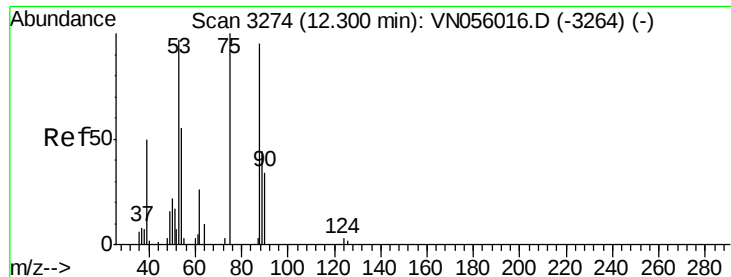
10000

5000

0

Time--> 12.35 12.40 12.45





#77
t-1,4-Dichloro-2-butene
Concen: 35.673 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056238.D
Acq: 12 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
OF-1

Tot Ion: 75 Resp: 30445
Ion Ratio Lower Upper
75 100
53 0.0 48.0 144.0#
89 0.0 22.5 67.5#

