

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056415.D
 Acq On : 21 Jun 2019 10:58
 Operator : JC/SP
 Sample : VN0621WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBL02

Quant Time: Jun 22 01:37:14 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	7.20	128	61562	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	334324	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	259746	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	127643	33.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.30%
60) 4-Bromofluorobenzene	12.40	95	85204	22.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.77%
63) Toluene-d8	10.09	98	385928	32.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.17%

Target Compounds

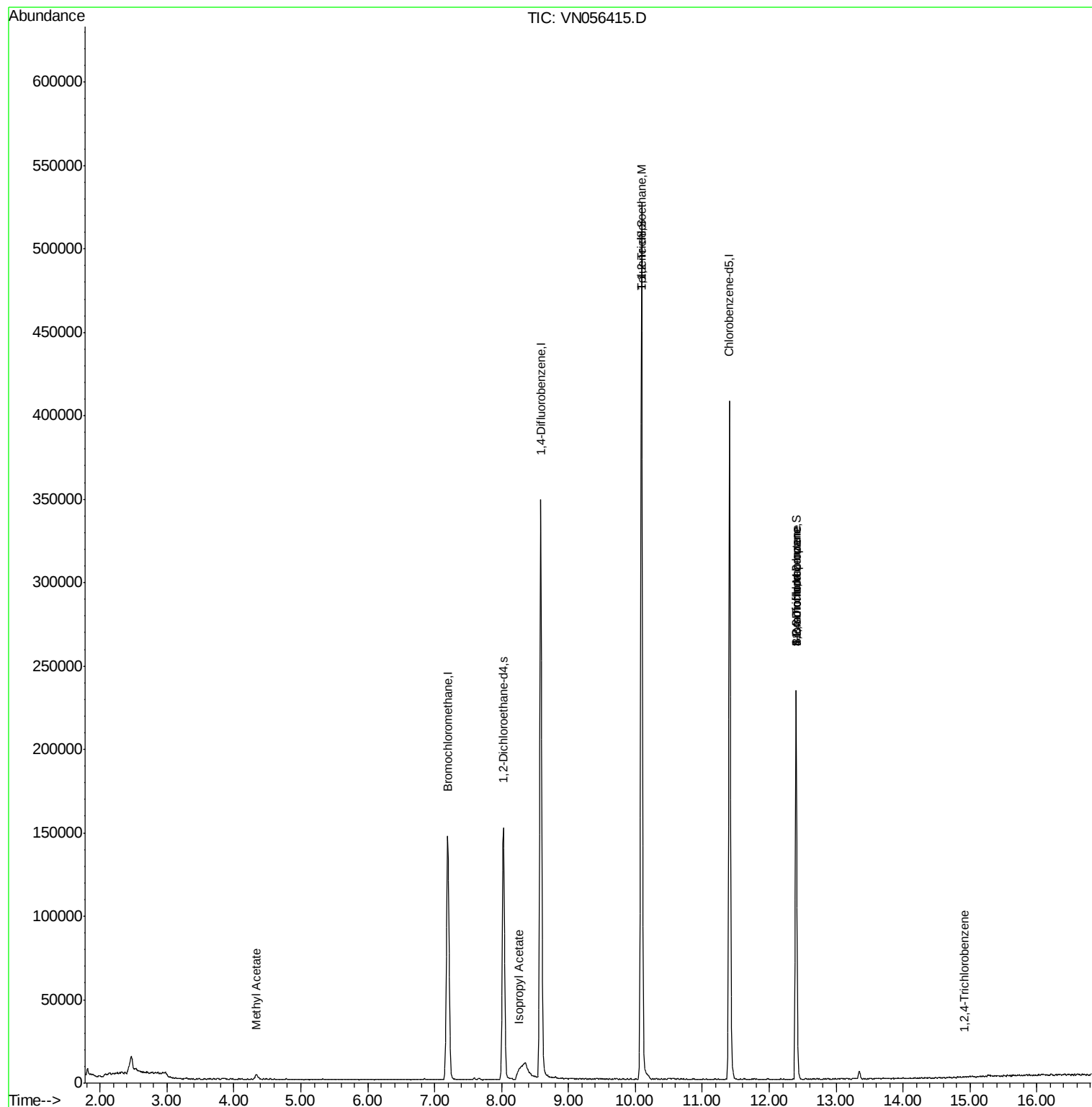
					Ovalue	
12) Methyl Acetate	4.33	43	5878	1.522	ug/l	93
44) Isopropyl Acetate	8.26	43	3869	0.547	ug/l #	55
50) 1,1,2-Trichloroethane	10.10	97	10868	2.990	ug/l #	1
56) Bromoform	12.40	173	556	0.216	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	40170	10.526	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	40170	36.889	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	101	8.573	ug/l #	85

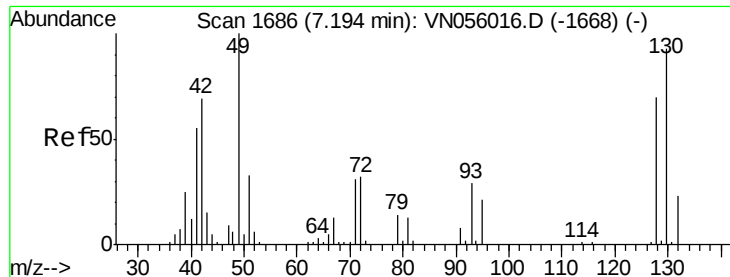
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
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VN0621WBL02

Quant Time: Jun 22 01:37:14 2019
Quant Method : Z:\V0ASRV\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

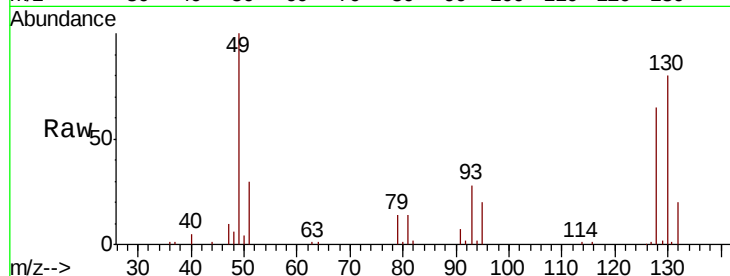




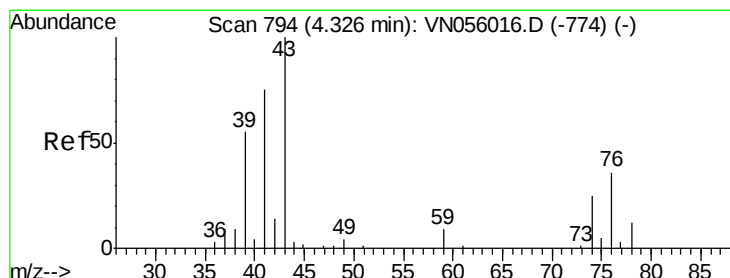
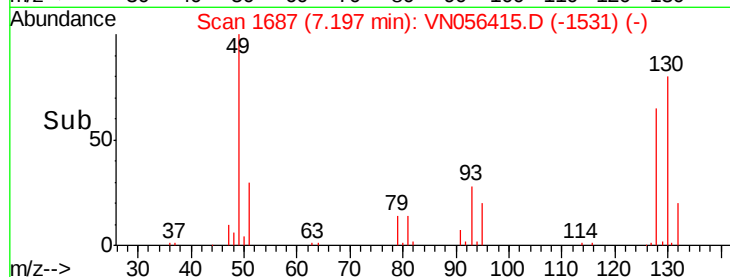
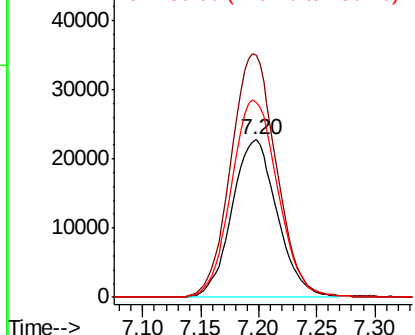
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056415.D
Acq: 21 Jun 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL02

Tot Ion:128 Resp: 61562
Ion Ratio Lower Upper
128 100
49 155.9 0.0 355.8
130 129.2 0.0 326.3

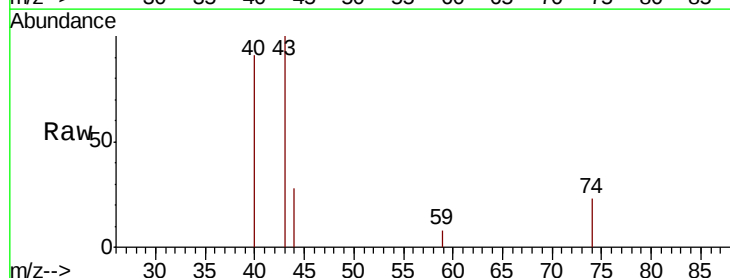


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

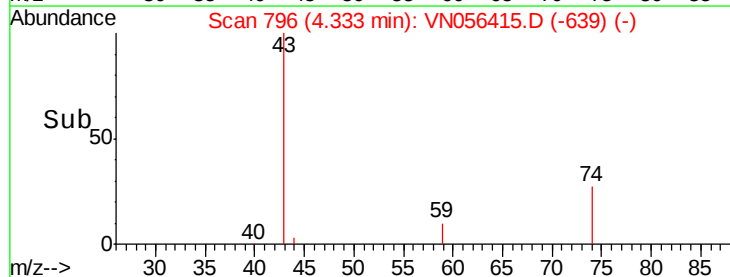
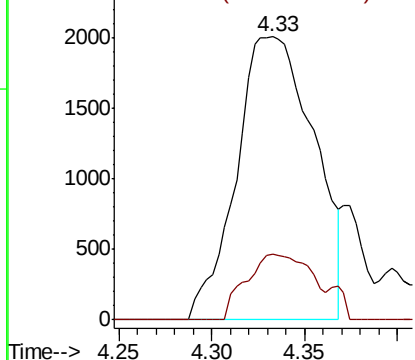


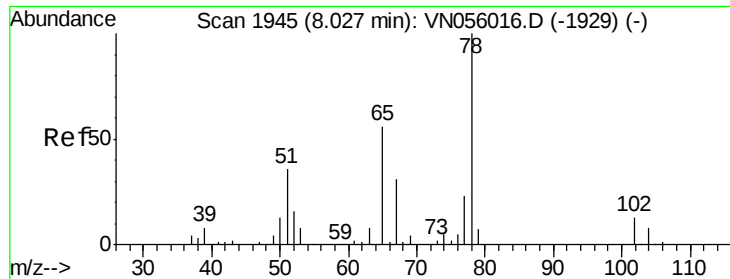
#12
Methyl Acetate
Concen: 1.522 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056415.D
Acq: 21 Jun 2019 10:58

Tgt Ion: 43 Resp: 5878
Ion Ratio Lower Upper
43 100
74 21.5 19.9 29.9



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





#27

1,2-Dichloroethane-d4

Concen: 33.389 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

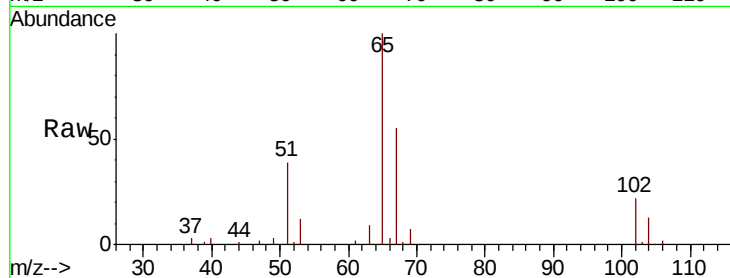
VN0621WBL02

Tot Ion: 65 Resp: 127643

Ion Ratio Lower Upper

65 100

67 55.1 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

60000

50000

40000

30000

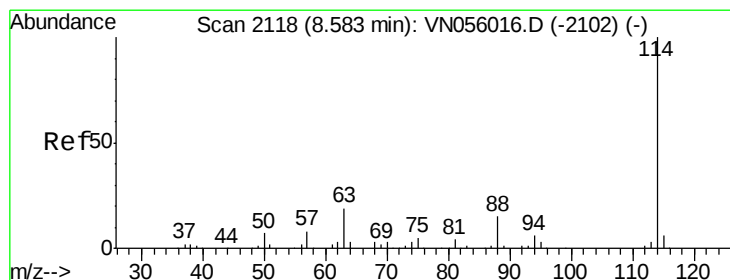
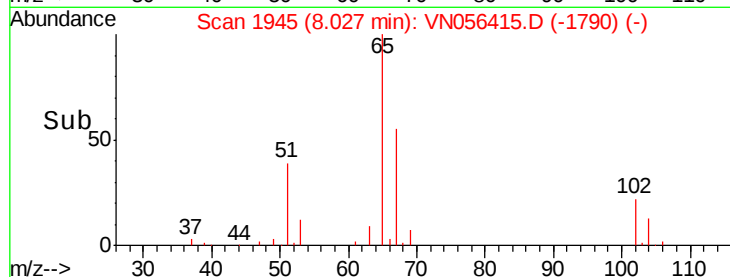
20000

10000

0

8.00 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

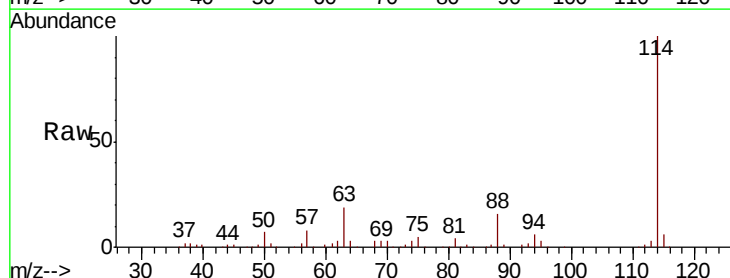
Tgt Ion: 114 Resp: 334324

Ion Ratio Lower Upper

114 100

63 19.3 14.7 22.1

88 15.2 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

200000

150000

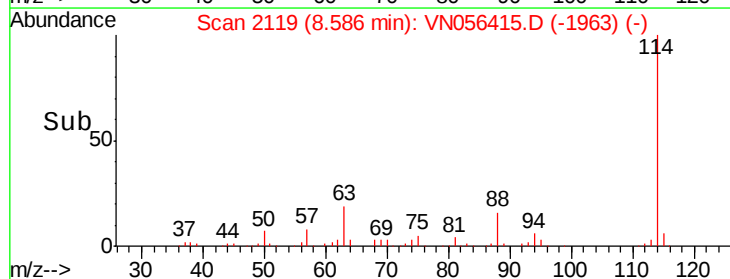
100000

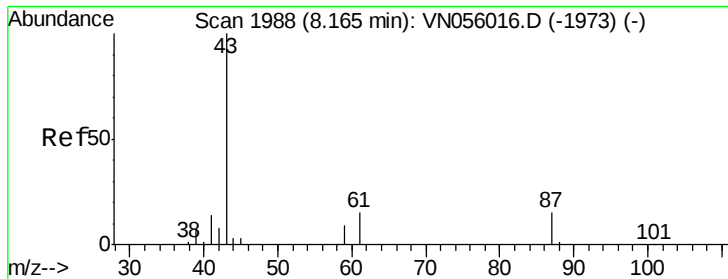
50000

0

8.50 8.60 8.70

Time-->





#44

Isopropyl Acetate

Concen: 0.547 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

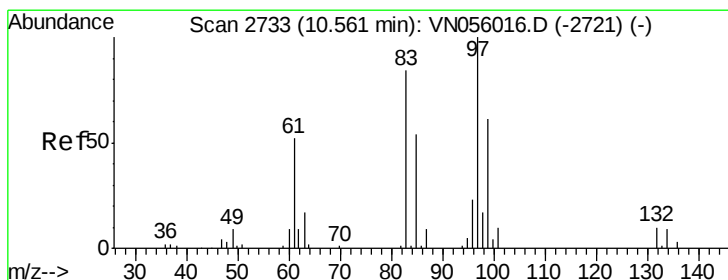
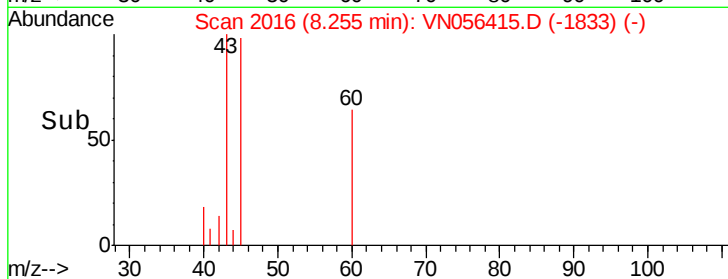
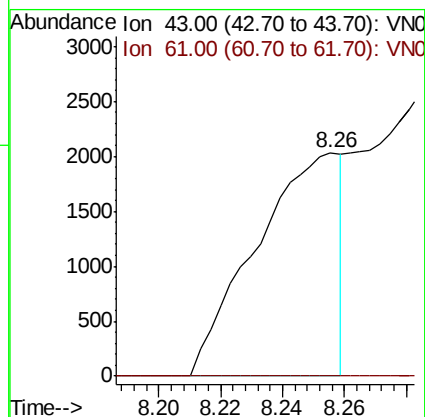
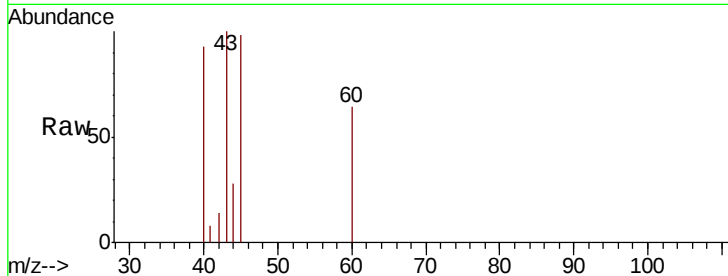
VN0621WBL02

Tot Ion: 43 Resp: 3869

Ion Ratio Lower Upper

43 100

61 0.0 16.9 25.3#



#50

1,1,2-Trichloroethane

Concen: 2.990 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.46 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

Tgt Ion: 97 Resp: 10868

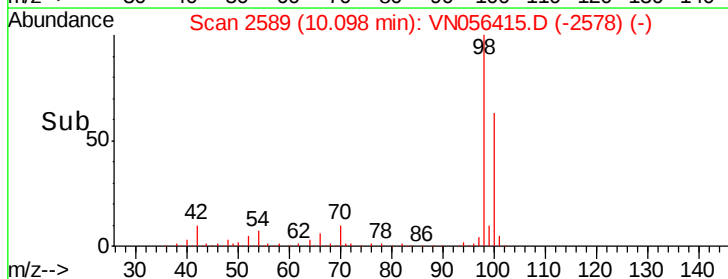
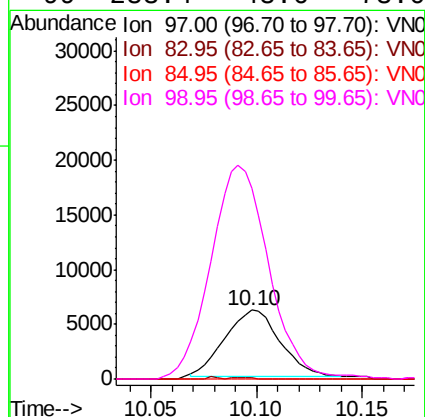
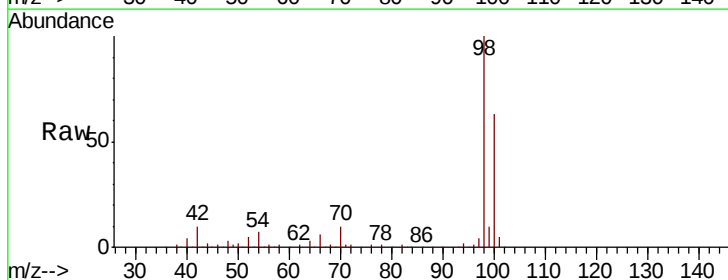
Ion Ratio Lower Upper

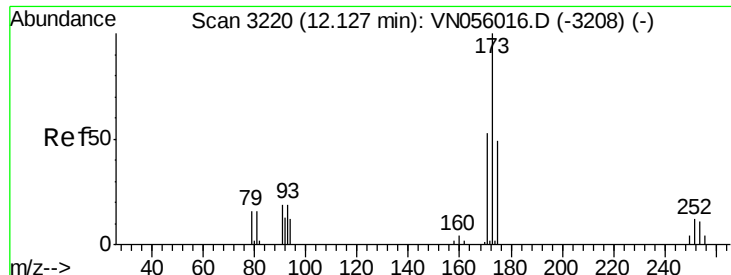
97 100

83 2.7 66.9 100.3#

85 0.0 43.3 64.9#

99 283.4 48.6 73.0#

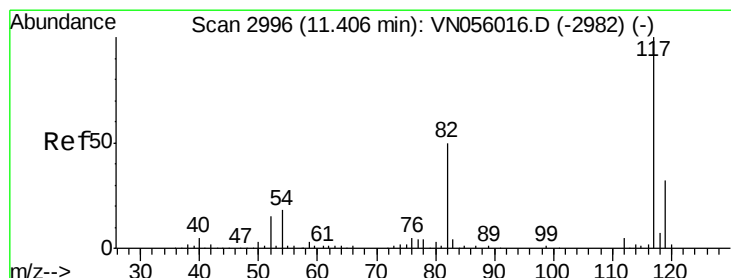
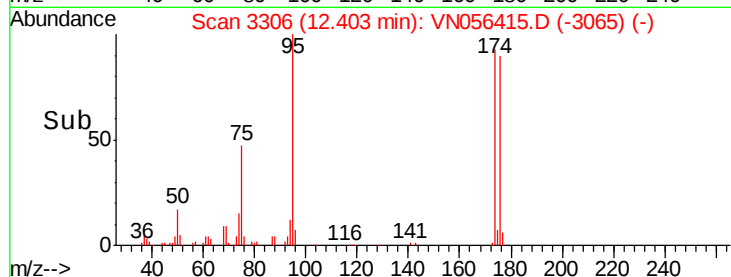
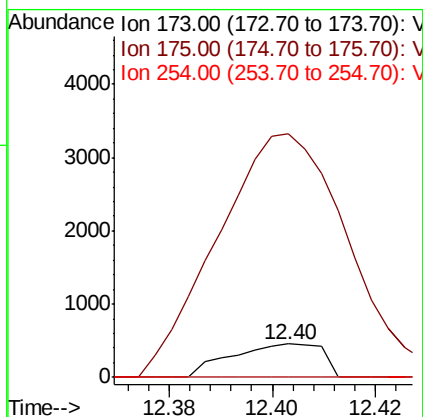
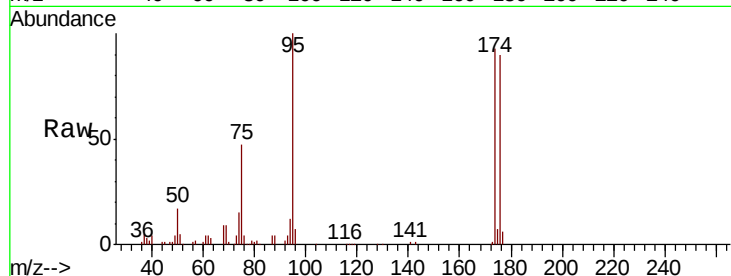




#56
Bromoform
Concen: 0.216 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056415.D
Acq: 21 Jun 2019 10:58

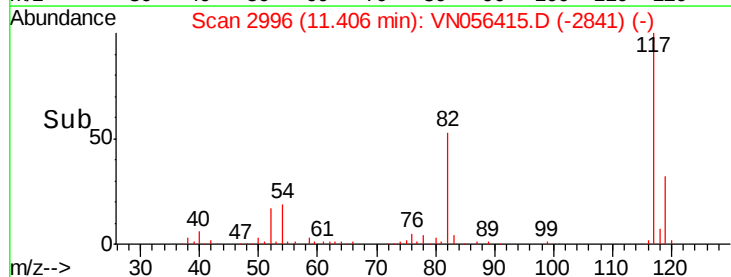
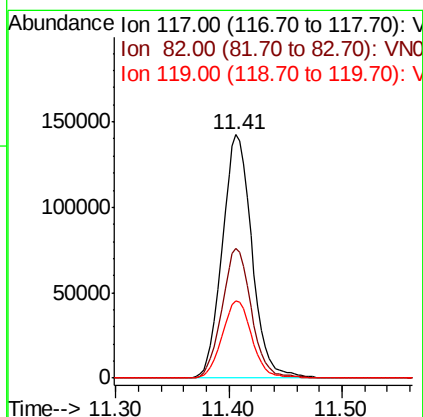
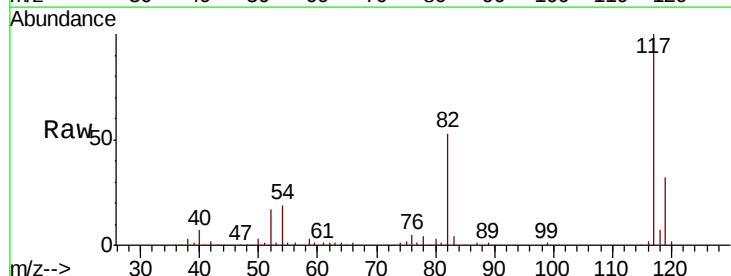
Instrument :
MSVOA_N
ClientSampleId :
VN0621WBL02

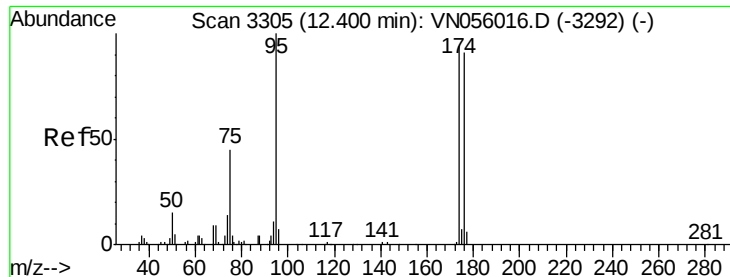
Tot Ion:173 Resp: 556
Ion Ratio Lower Upper
173 100
175 1045.9 38.7 58.1#
254 0.0 6.6 9.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056415.D
Acq: 21 Jun 2019 10:58

Tgt Ion:117 Resp: 259746
Ion Ratio Lower Upper
117 100
82 52.9 41.2 61.8
119 31.9 26.2 39.2





#60

4-Bromofluorobenzene

Concen: 22.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBL02

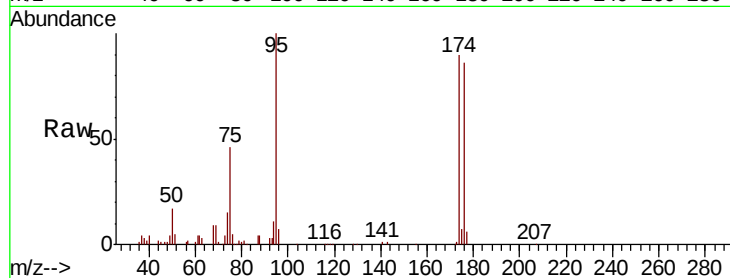
Tot Ion: 95 Resp: 85204

Ion Ratio Lower Upper

95 100

174 91.3 75.4 113.0

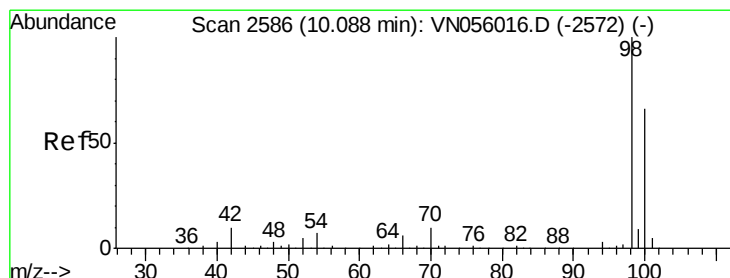
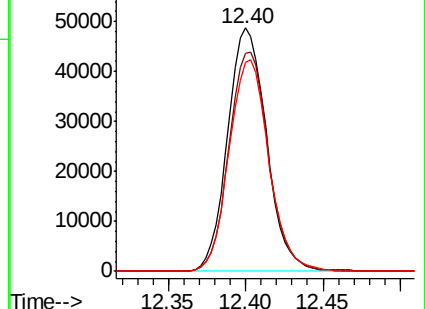
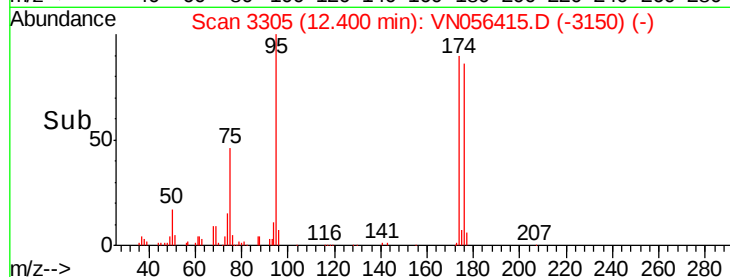
176 88.7 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN056415.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056415.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056415.D (-3150) (-)



#63

Toluene-d8

Concen: 32.753 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056415.D

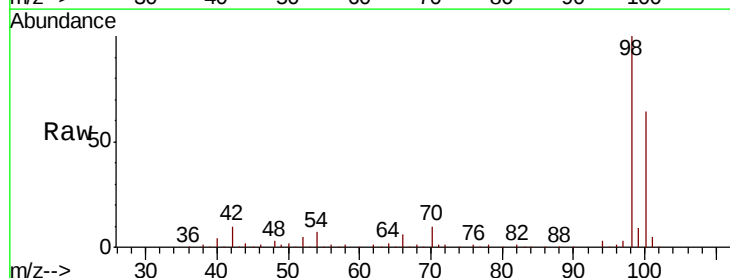
Acq: 21 Jun 2019 10:58

Tgt Ion: 98 Resp: 385928

Ion Ratio Lower Upper

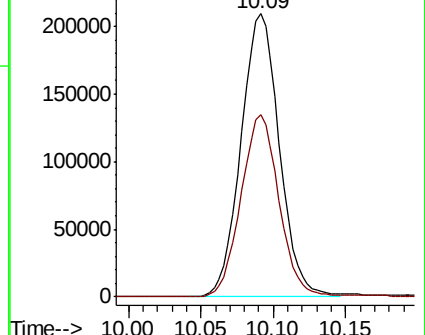
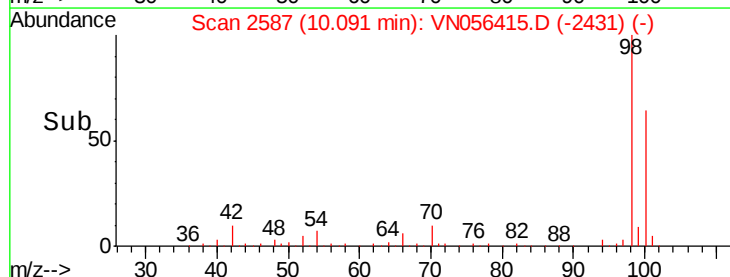
98 100

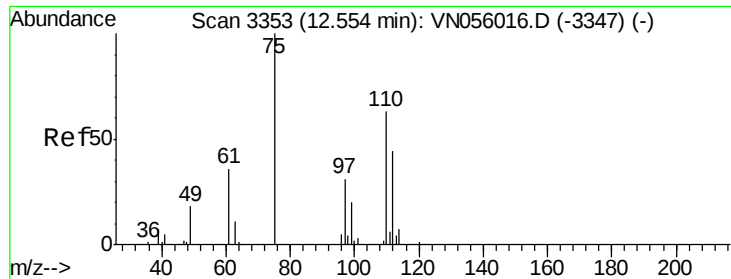
100 63.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056415.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN056415.D (-2431) (-)





#72

1,2,3-Trichloropropane

Concen: 10.526 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

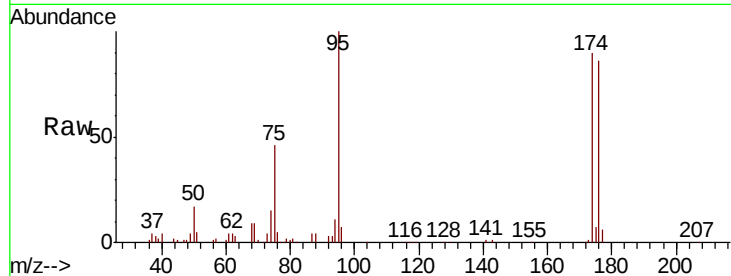
VN0621WBL02

Tot Ion: 75 Resp: 40170

Ion Ratio Lower Upper

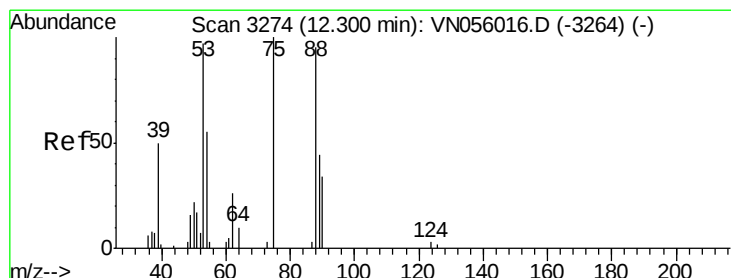
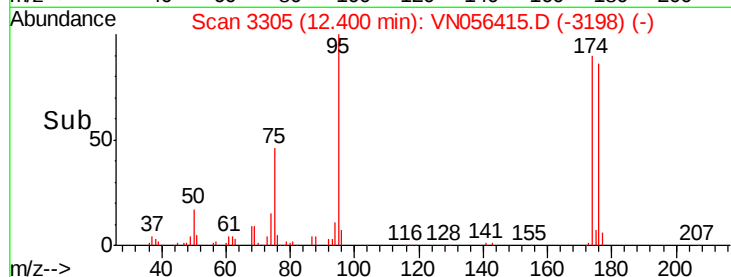
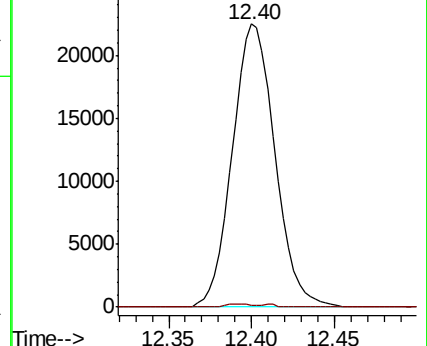
75 100

77 0.3 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 36.889 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056415.D

Acq: 21 Jun 2019 10:58

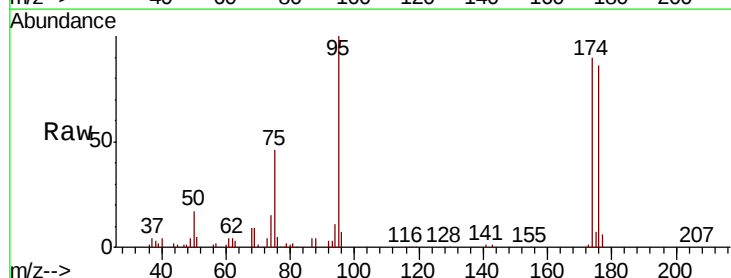
Tgt Ion: 75 Resp: 40170

Ion Ratio Lower Upper

75 100

53 0.0 48.0 144.0#

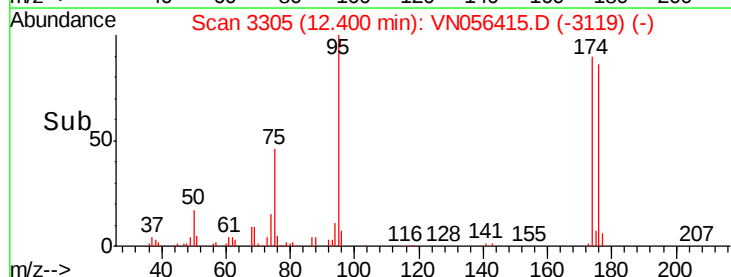
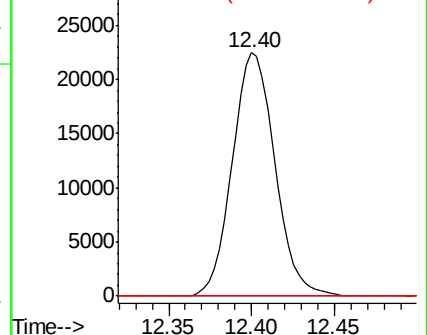
89 0.0 22.5 67.5#

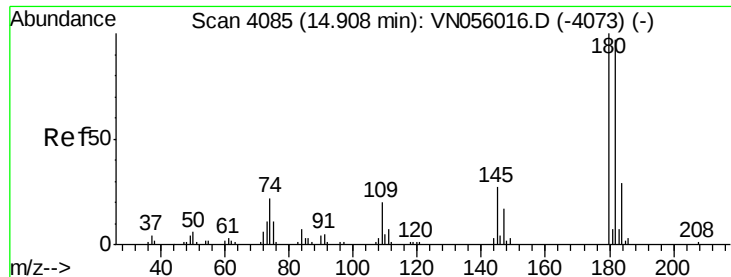


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#89
 1,2,4-Trichlorobenzene
 Concen: 8.573 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056415.D
 Acq: 21 Jun 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.0	112.6
145	0.0	22.1	33.1

