

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057204.D
 Acq On : 12 Aug 2019 9:59
 Operator : JC/SP
 Sample : VN0812WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

Quant Time: Aug 13 01:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.58	128	181351	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	938379	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	719435	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	343546	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	11.92	95	198528	18.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	61.77%
63) Toluene-d8	9.56	98	1091905	32.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.60%

Target Compounds

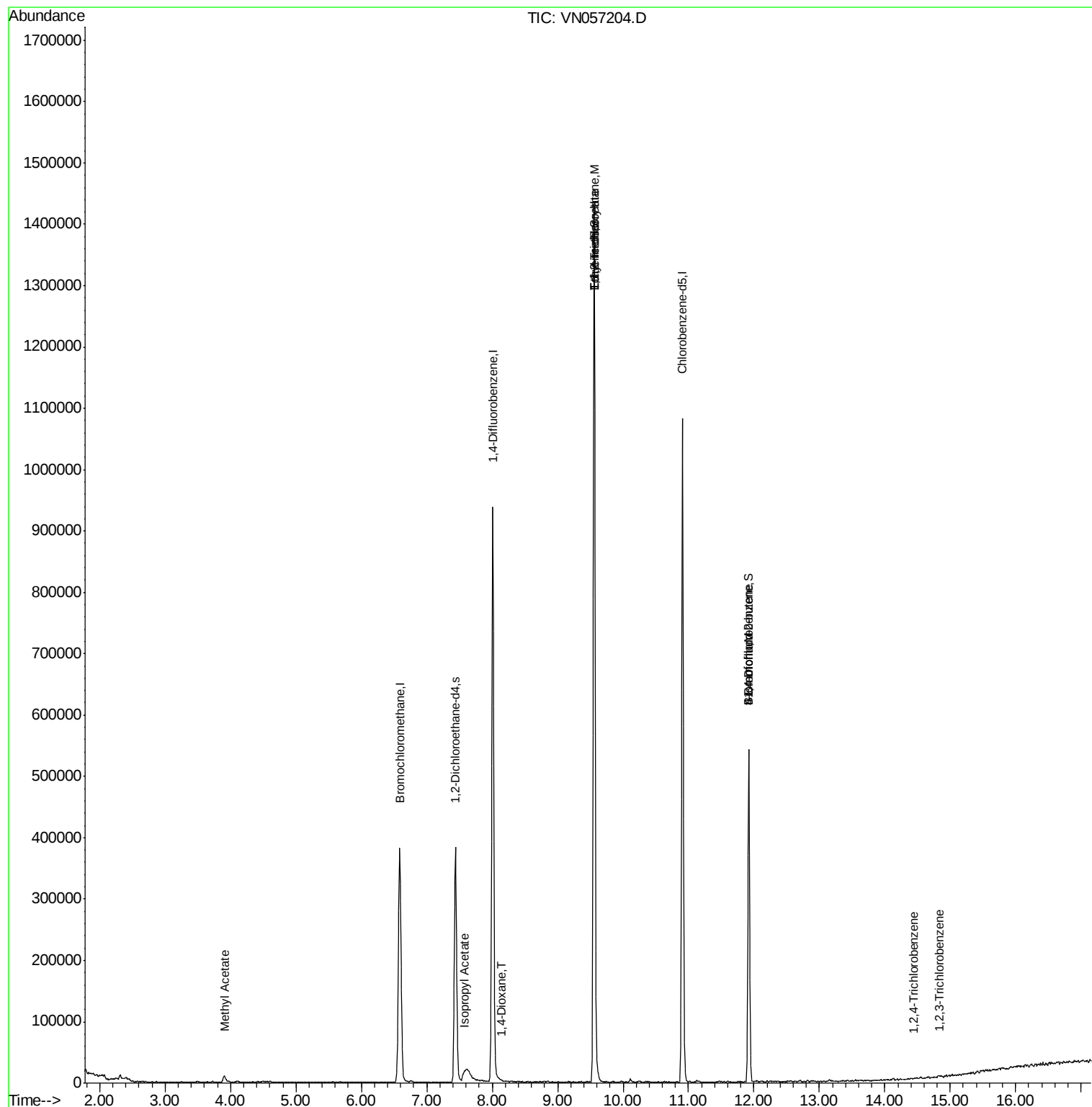
					Qvalue	
12) Methyl Acetate	3.91	43	17689	1.634	ug/l #	88
44) Isopropyl Acetate	7.56	43	5764	0.310	ug/l #	49
45) 1,4-Dioxane	8.15	88	230	1.325	ug/l #	37
50) 1,1,2-Trichloroethane	9.57	97	30283	2.964	ug/l #	1
51) Ethyl methacrylate	9.56	69	3314	0.230	ug/l	94
56) Bromoform	11.92	173	2248	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.92	75	91164	26.117	ug/l #	13
89) 1,2,4-Trichlorobenzene	14.44	180	146	9.070	ug/l #	1
92) 1,2,3-Trichlorobenzene	14.83	180	1157	8.491	ug/l	41

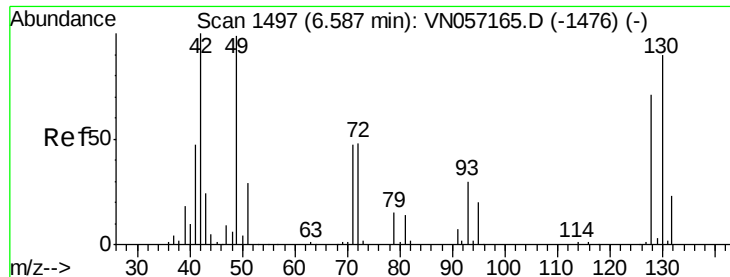
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
Data File : VN057204.D
Acq On : 12 Aug 2019 9:59
Operator : JC/SP
Sample : VN0812WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBL01

Quant Time: Aug 13 01:39:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sun Aug 11 03:53:25 2019
Response via : Initial Calibration

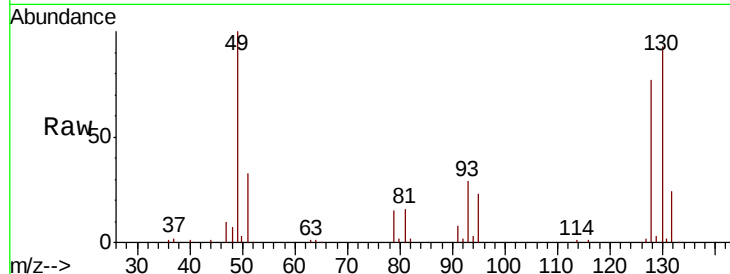




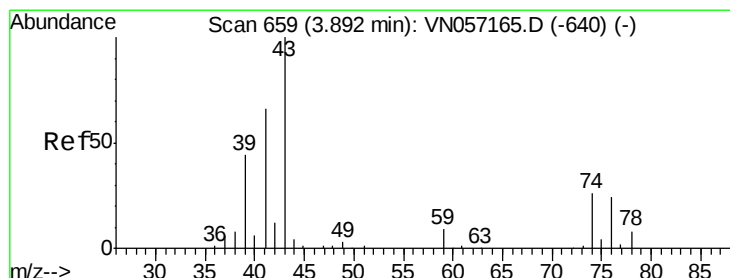
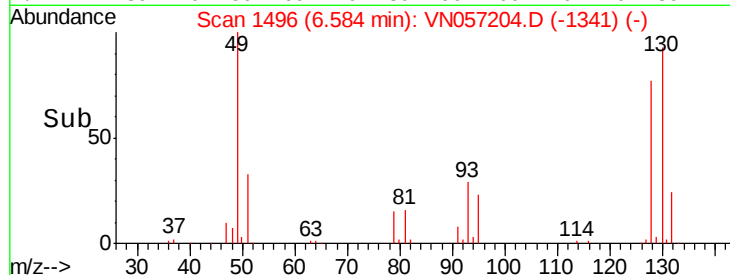
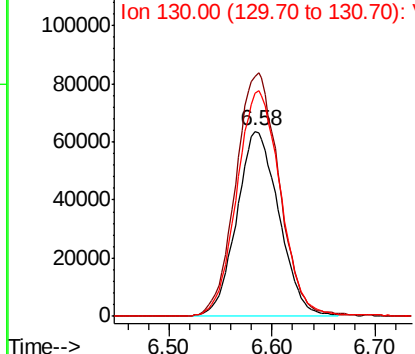
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0812WBL01

Tgt Ion: 128 Resp: 181351
 Ion Ratio Lower Upper
 128 100
 49 135.6 0.0 361.0
 130 125.8 0.0 329.5

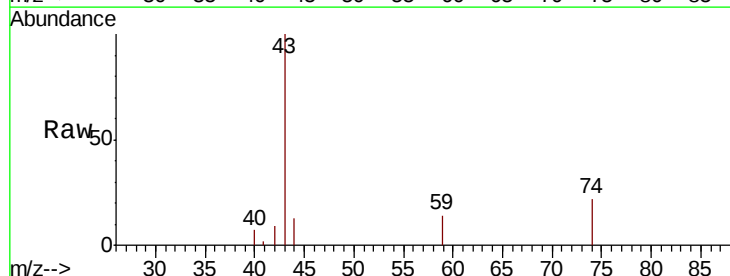


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

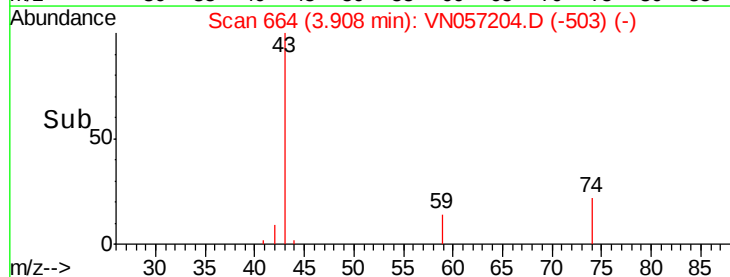
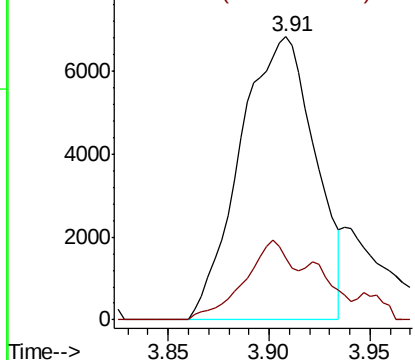


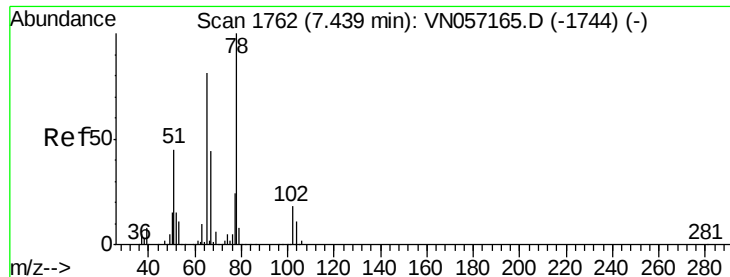
#12
 Methyl Acetate
 Concen: 1.634 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. 0.02 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

Tgt Ion: 43 Resp: 17689
 Ion Ratio Lower Upper
 43 100
 74 19.4 20.5 30.7#



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: 29.061 ug/l

RT: 7.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

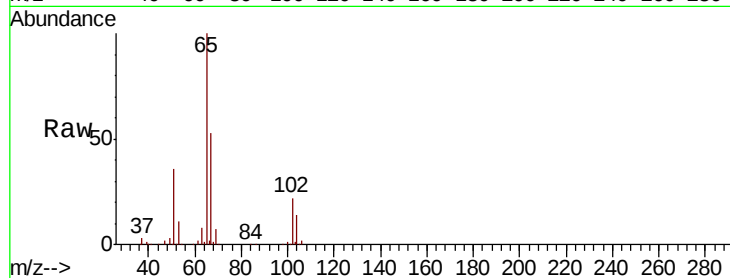
VN0812WBL01

Tgt Ion: 65 Resp: 343546

Ion Ratio Lower Upper

65 100

67 54.8 42.4 63.6



Abundance Ion 65.00 (64.70 to 65.70): VN057204.D (-1744) (-)

Ion 67.00 (66.70 to 67.70): VN057204.D (-1744) (-)

7.44

150000

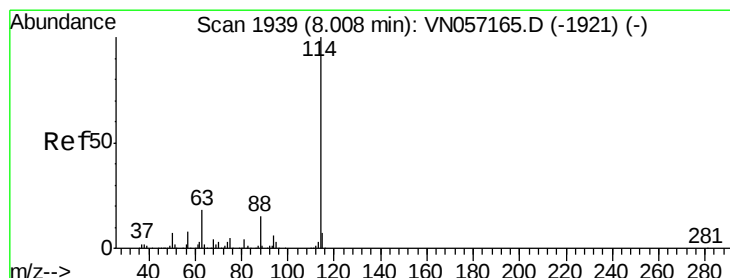
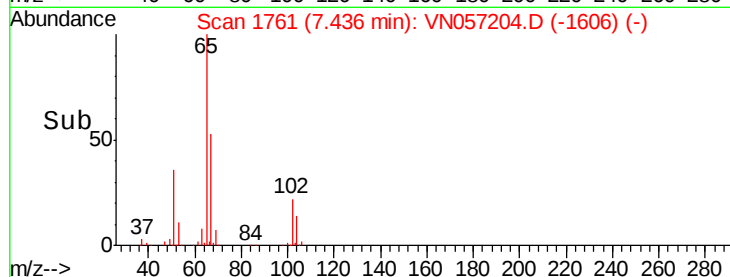
100000

50000

0

7.40 7.50

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

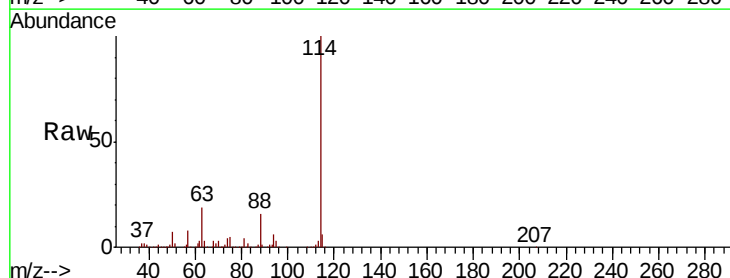
Tgt Ion: 114 Resp: 938379

Ion Ratio Lower Upper

114 100

63 18.8 14.6 21.8

88 15.2 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): VN057204.D (-1783) (-)

Ion 63.00 (62.70 to 63.70): VN057204.D (-1783) (-)

Ion 88.00 (87.70 to 88.70): VN057204.D (-1783) (-)

8.01

600000

500000

400000

300000

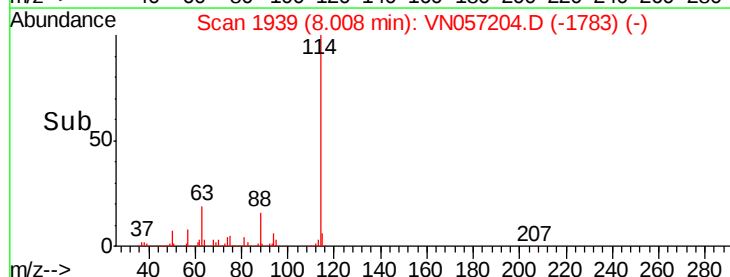
200000

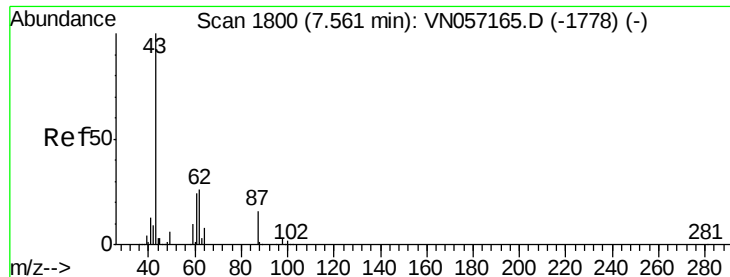
100000

0

7.90 8.00 8.10

Time-->





#44

Isopropyl Acetate

Concen: 0.310 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

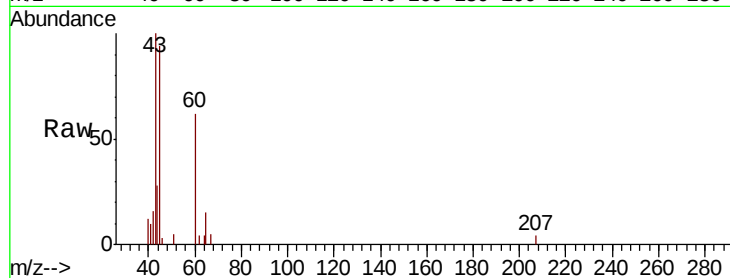
VN0812WBL01

Tgt Ion: 43 Resp: 5764

Ion Ratio Lower Upper

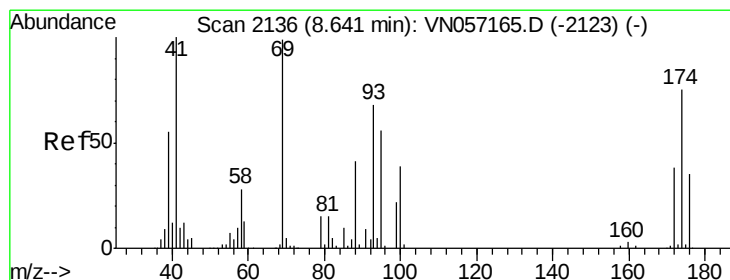
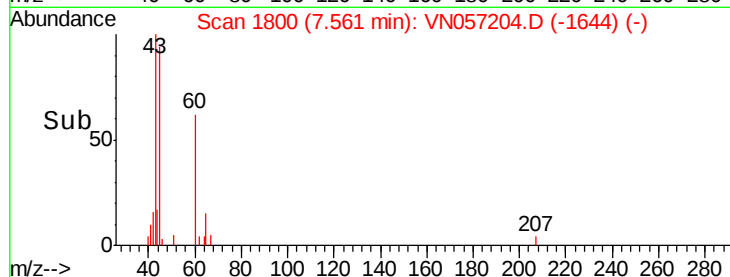
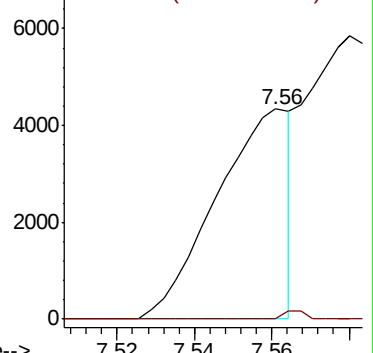
43 100

61 1.1 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#45

1,4-Dioxane

Concen: 1.325 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.49 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

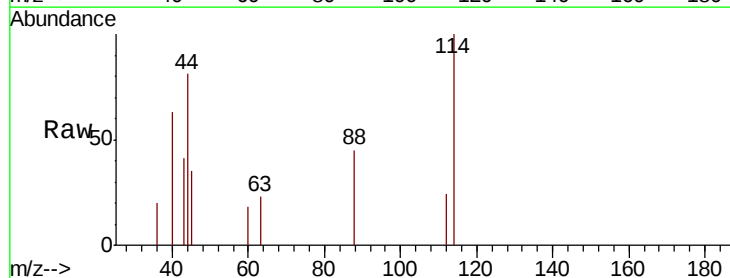
Tgt Ion: 88 Resp: 230

Ion Ratio Lower Upper

88 100

43 20.4 20.5 30.7#

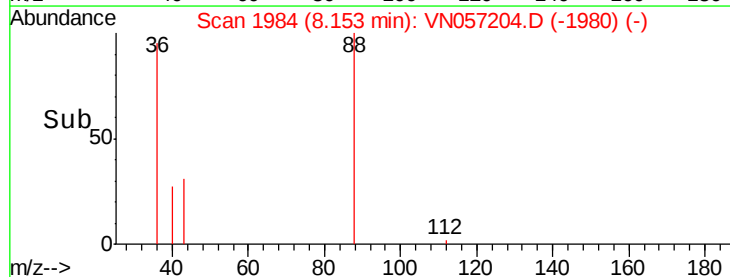
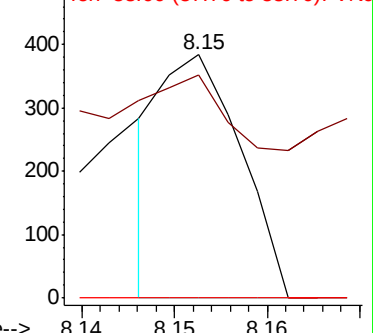
58 0.0 53.8 80.8#

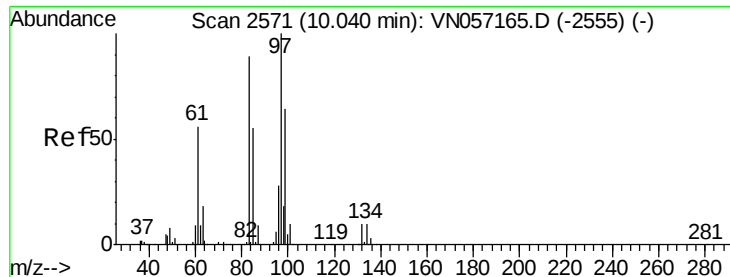


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

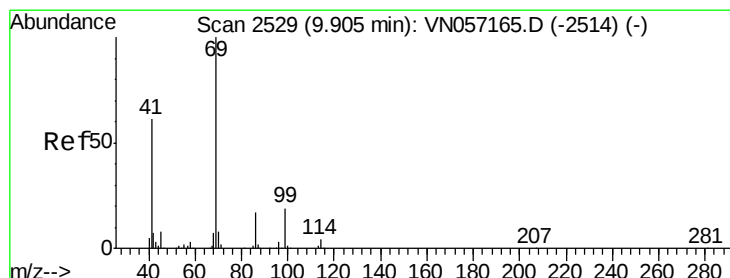
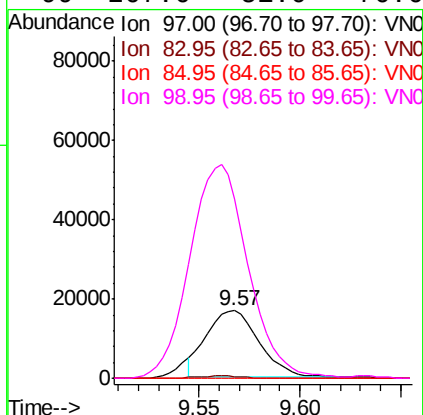
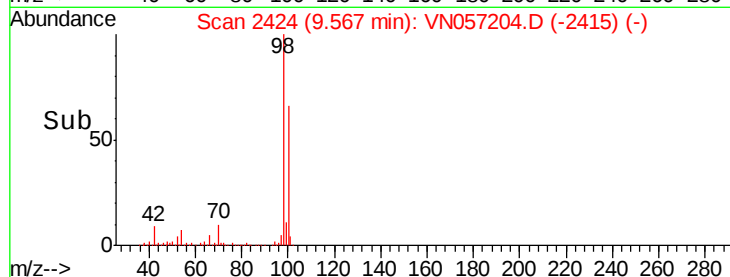
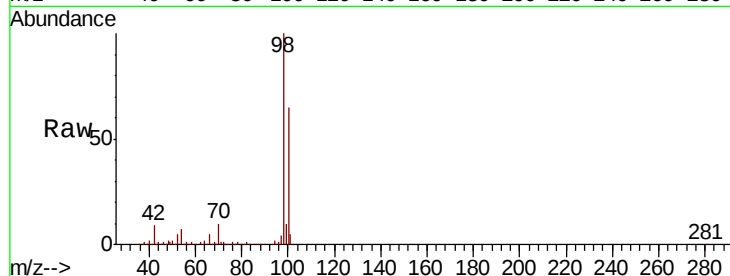




#50
 1,1,2-Trichloroethane
 Concen: 2.964 ug/l
 RT: 9.57 min Scan# 2424
 Delta R.T. -0.47 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

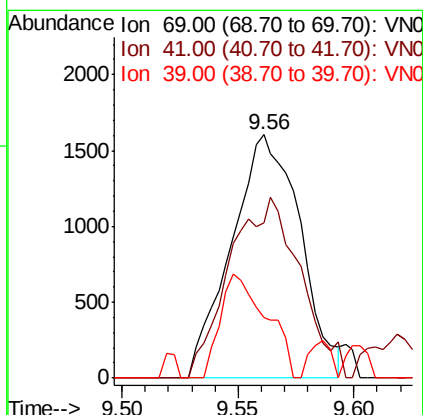
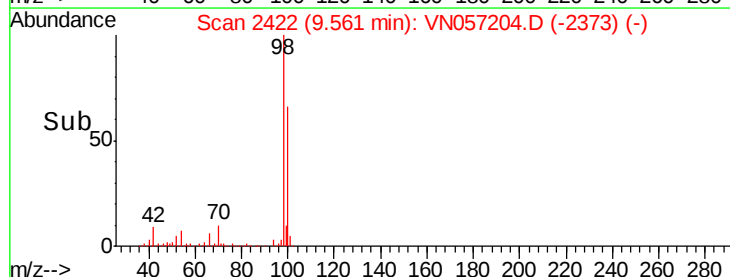
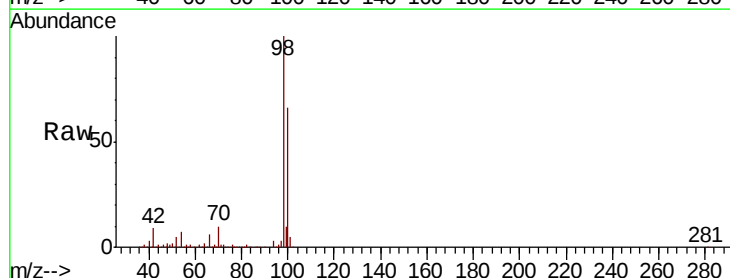
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

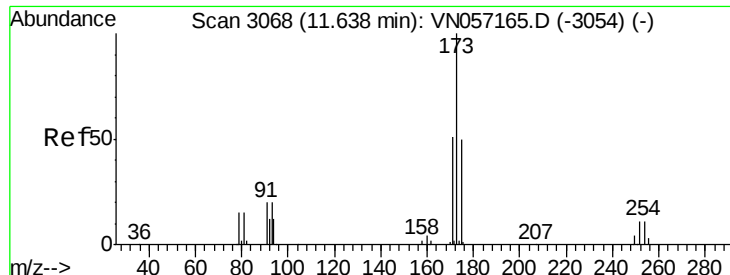
Tgt Ion: 97 Resp: 30283
 Ion Ratio Lower Upper
 97 100
 83 2.4 71.4 107.0#
 85 0.0 43.8 65.8#
 99 267.6 51.0 76.6#



#51
 Ethyl methacrylate
 Concen: 0.230 ug/l
 RT: 9.56 min Scan# 2422
 Delta R.T. -0.34 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

Tgt Ion: 69 Resp: 3314
 Ion Ratio Lower Upper
 69 100
 41 64.0 30.4 91.2
 39 24.8 14.8 44.4





#56

Bromoform

Concen: 0.264 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.28 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBL01

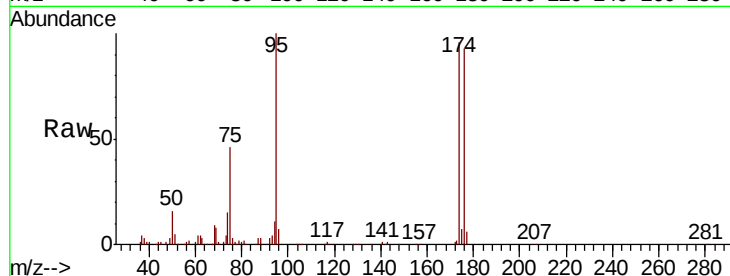
Tgt Ion:173 Resp: 2248

Ion Ratio Lower Upper

173 100

175 636.8 39.0 58.4#

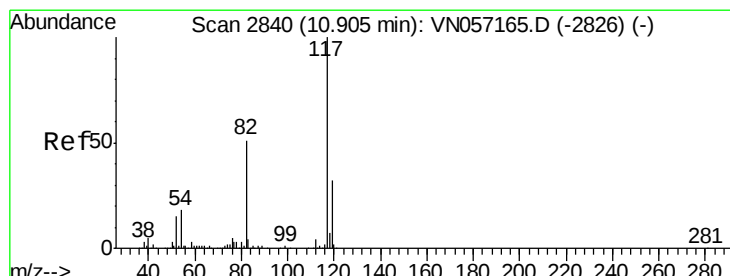
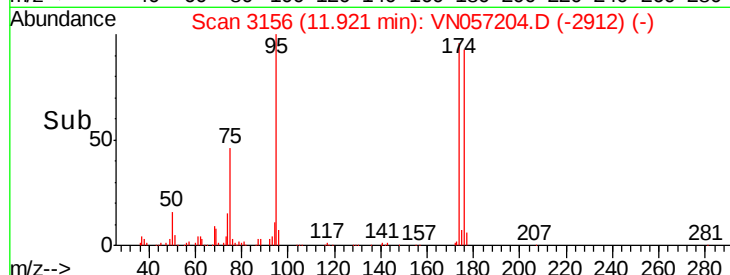
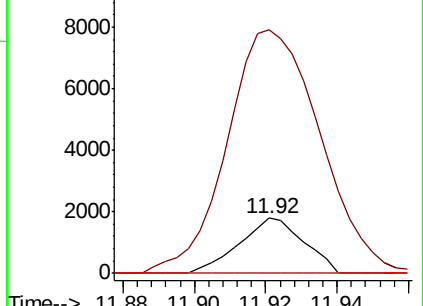
254 0.0 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057204.D

Acq: 12 Aug 2019 9:59

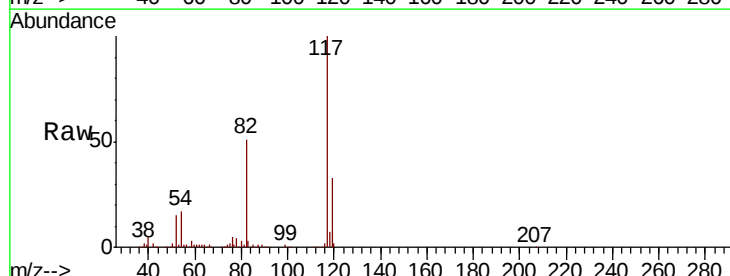
Tgt Ion:117 Resp: 719435

Ion Ratio Lower Upper

117 100

82 51.1 41.5 62.3

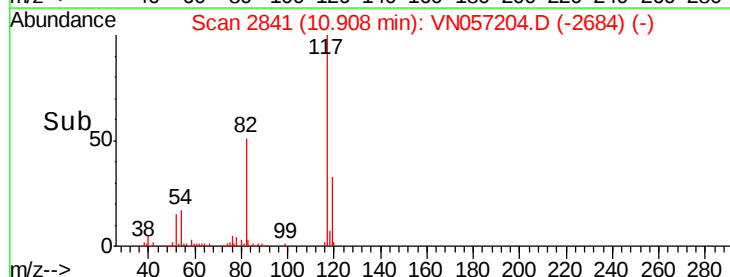
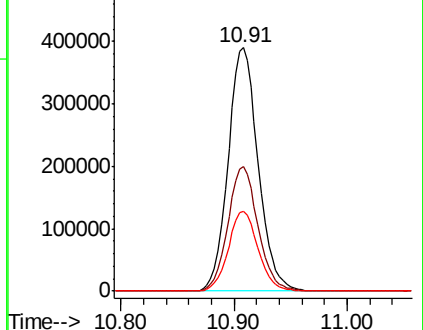
119 32.6 26.1 39.1

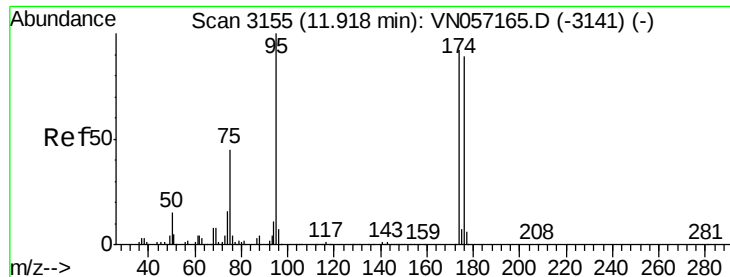


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

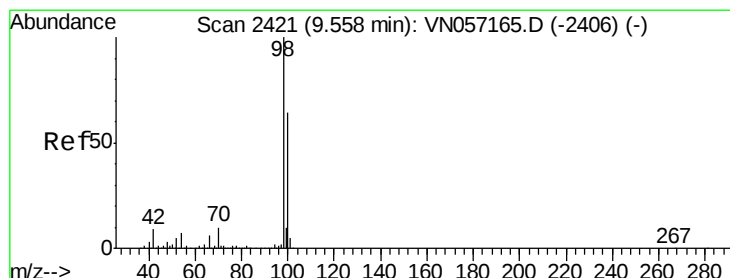
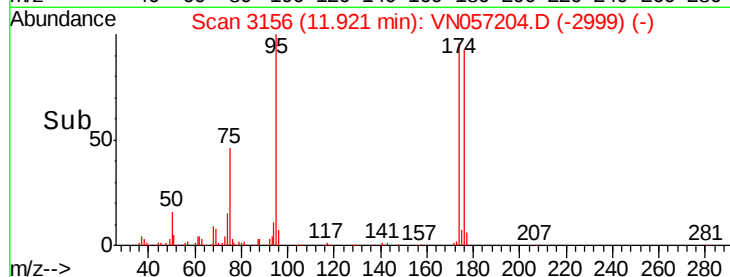
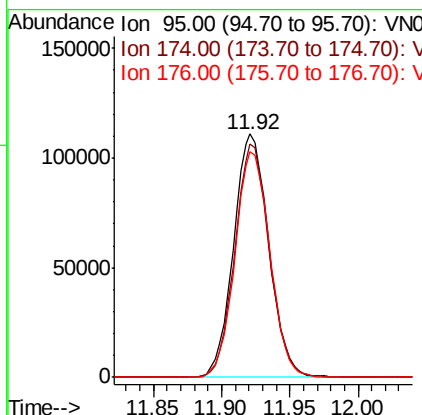
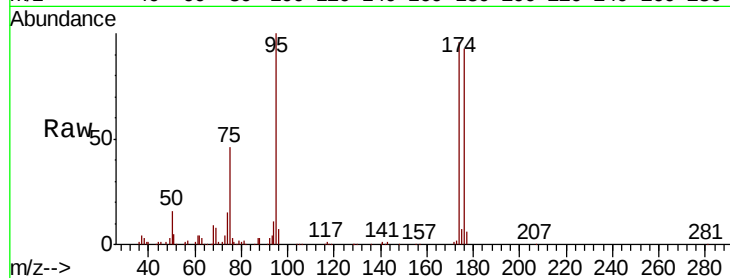




#60
 4-Bromofluorobenzene
 Concen: 18.532 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

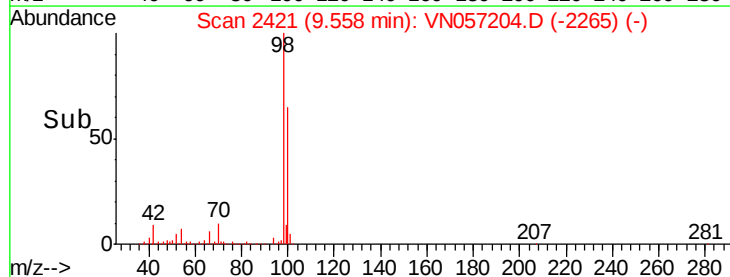
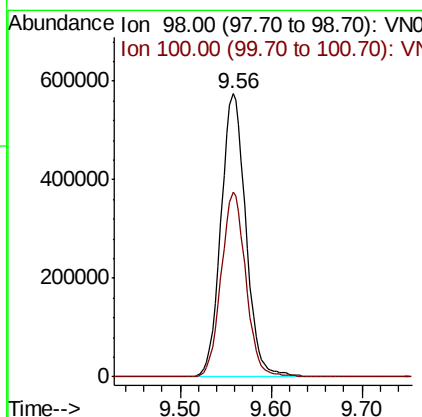
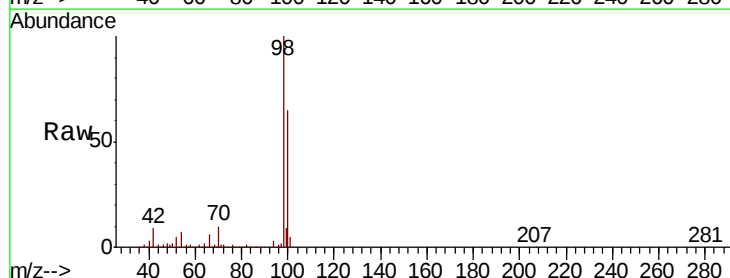
Instrument :
 MSVOA_N
 ClientSampled :
 VN0812WBL01

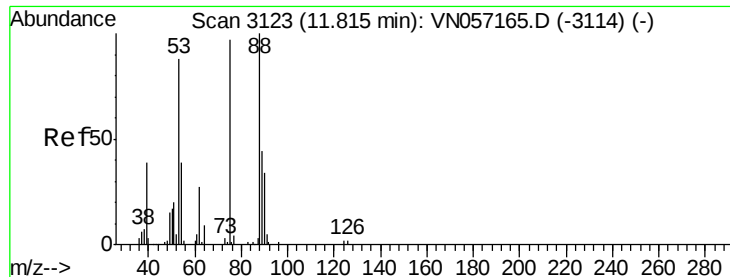
Tgt Ion	Resp	Lower	Upper
95	198528		
174	93.8	74.9	112.3
176	92.0	72.1	108.1



#63
 Toluene-d8
 Concen: 32.878 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

Tgt Ion	Resp	Lower	Upper
98	1091905		
100	64.8	52.4	78.6

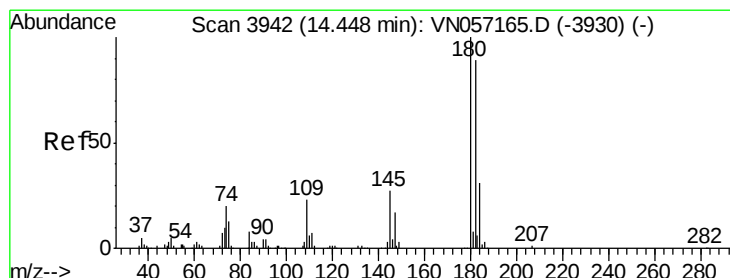
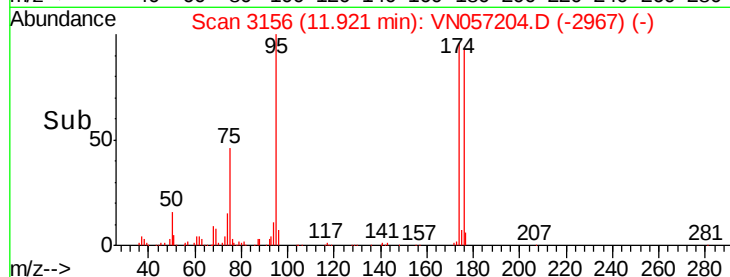
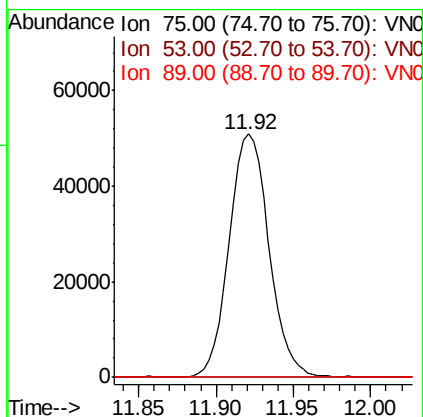
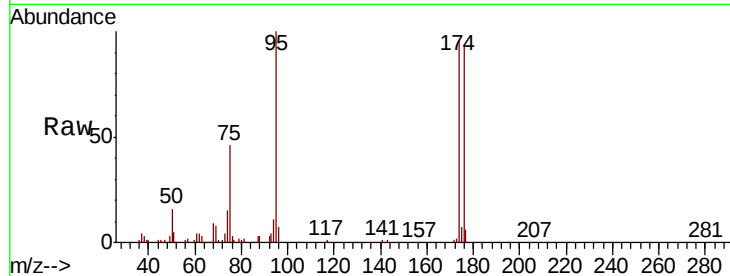




#77
t-1,4-Dichloro-2-butene
Concen: 26.117 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.11 min
Lab File: VN057204.D
Acq: 12 Aug 2019 9:59

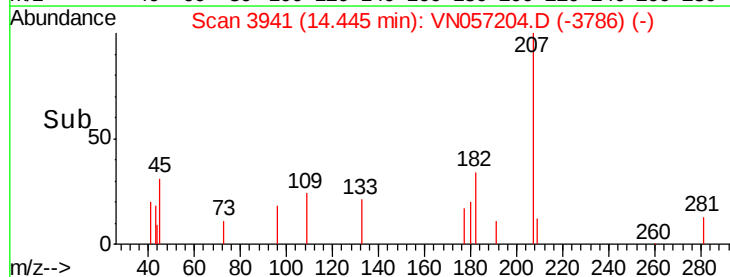
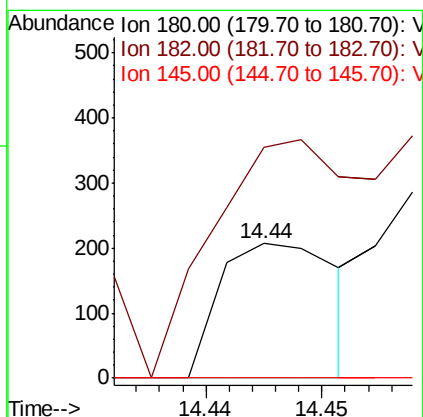
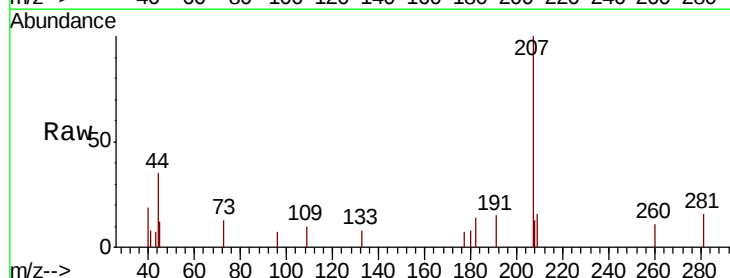
Instrument :
MSVOA_N
ClientSampled :
VN0812WBL01

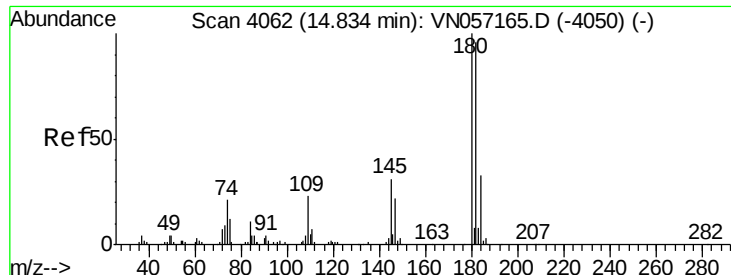
Tgt Ion: 75 Resp: 91164
Ion Ratio Lower Upper
75 100
53 0.0 45.4 136.2#
89 0.0 23.5 70.6#



#89
1,2,4-Trichlorobenzene
Concen: 9.070 ug/l
RT: 14.44 min Scan# 3941
Delta R.T. -0.00 min
Lab File: VN057204.D
Acq: 12 Aug 2019 9:59

Tgt Ion: 180 Resp: 146
Ion Ratio Lower Upper
180 100
182 233.6 75.0 112.6#
145 0.0 21.7 32.5#





#92
 1,2,3-Trichlorobenzene
 Concen: 8.491 ug/l
 RT: 14.83 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VN057204.D
 Acq: 12 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	31.8	0.0	195.8
145	12.9	0.0	61.2

