

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057468.D
 Acq On : 23 Aug 2019 12:33
 Operator : JC/SP
 Sample : VN0823WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

Quant Time: Aug 23 23:19:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67348	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	374760	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	282743	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197677	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	12.40	95	96539	20.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	69.03%
63) Toluene-d8	10.09	98	468480	32.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.37%

Target Compounds

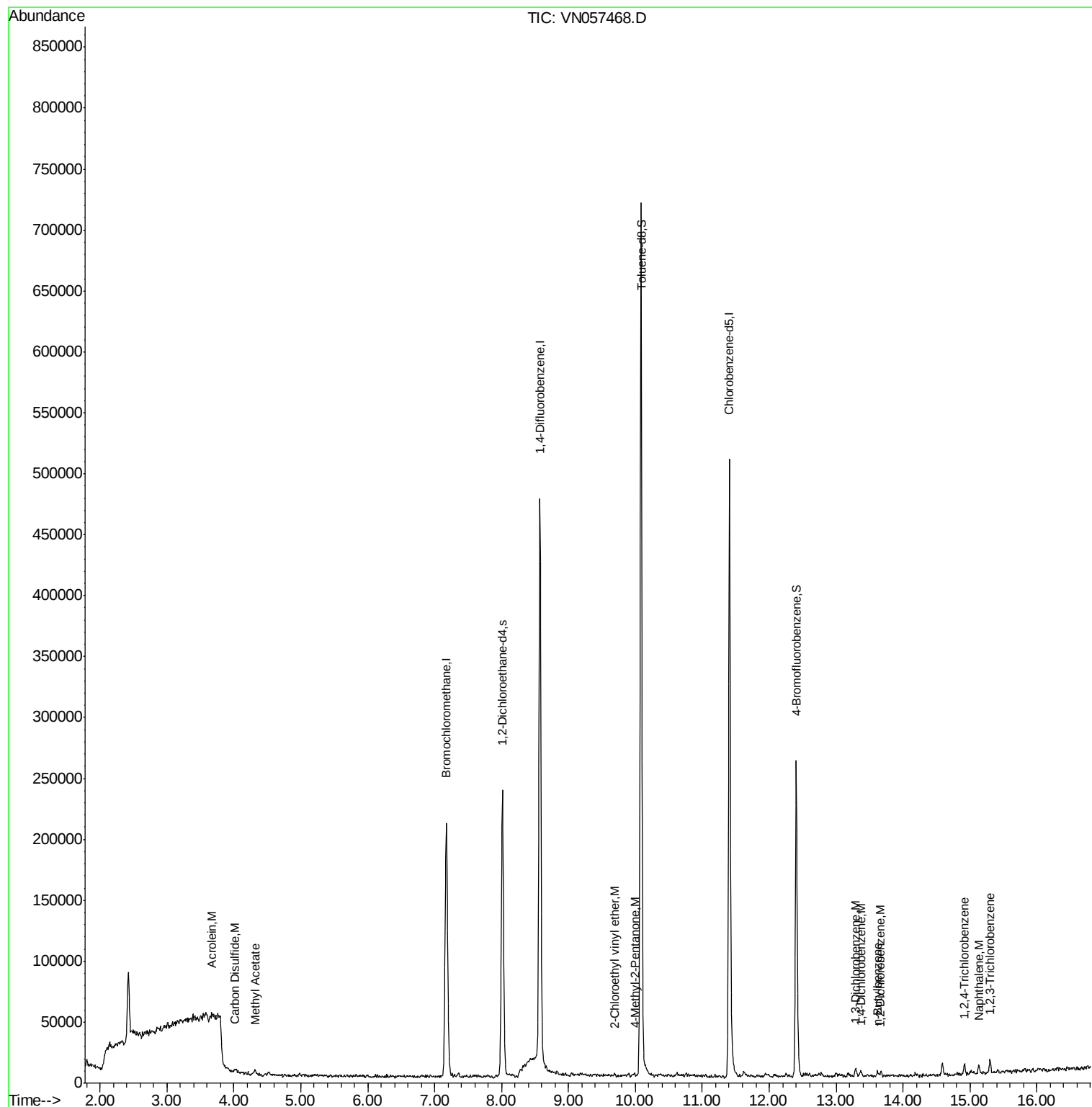
					Qvalue	
12) Methyl Acetate	4.31	43	4019	0.686	ug/l #	56
13) Acrolein	3.67	56	198	0.266	ug/l	97
16) Carbon Disulfide	4.01	76	3230	0.312	ug/l #	89
55) 2-Chloroethyl vinyl ether	9.68	63	725	0.415	ug/l #	67
58) 4-Methyl-2-Pentanone	9.99	43	1165	0.210	ug/l #	64
83) 1,3-Dichlorobenzene	13.29	146	1337	0.250	ug/l	80
84) 1,4-Dichlorobenzene	13.36	146	1712	0.329	ug/l	79
85) n-Butylbenzene	13.62	91	2430	0.212	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	1314	0.250	ug/l	94
89) 1,2,4-Trichlorobenzene	14.92	180	2553	1.298	ug/l	89
91) Naphthalene	15.13	128	5132	10.269	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.30	180	2319	1.179	ug/l	98

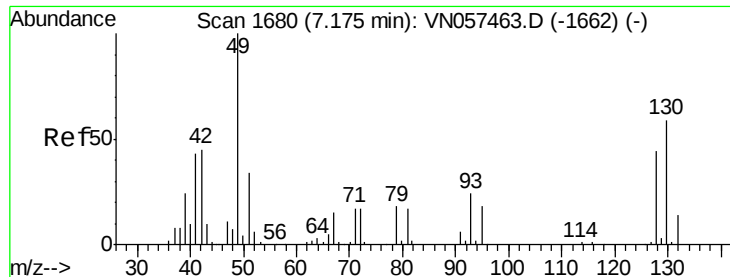
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
Data File : VN057468.D
Acq On : 23 Aug 2019 12:33
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Sample : VN0823WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBL01

Quant Time: Aug 23 23:19:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration

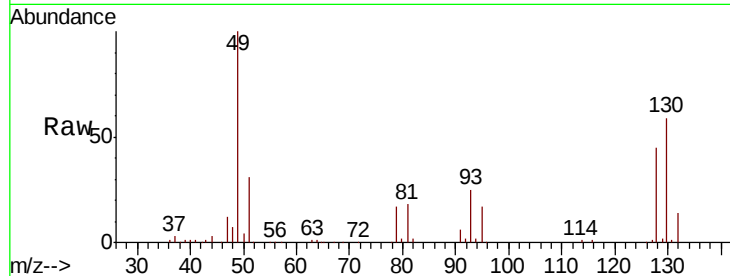




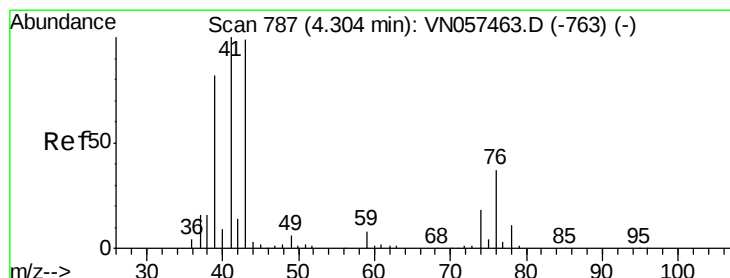
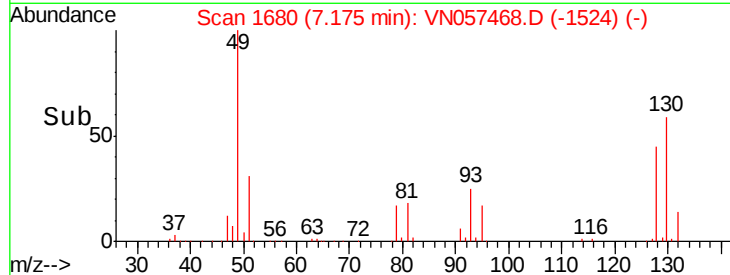
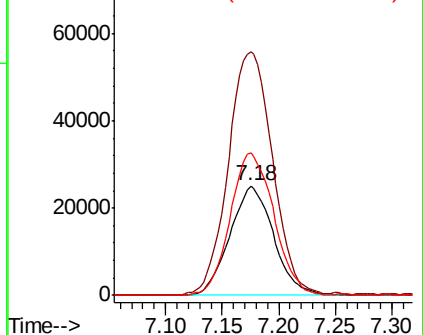
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

Tgt Ion:128 Resp: 67348
 Ion Ratio Lower Upper
 128 100
 49 225.8 0.0 560.5
 130 130.1 0.0 317.3

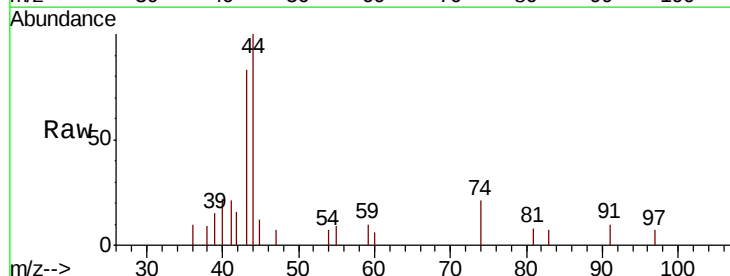


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

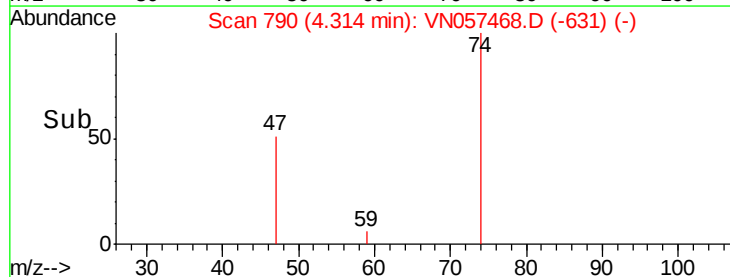
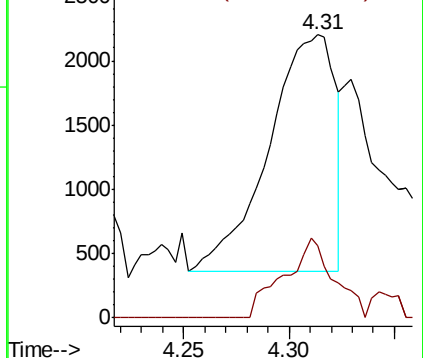


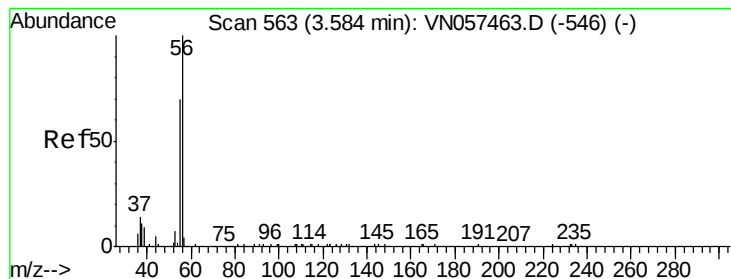
#12
 Methyl Acetate
 Concen: 0.686 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Tgt Ion: 43 Resp: 4019
 Ion Ratio Lower Upper
 43 100
 74 37.8 14.6 22.0#



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





#13

Acrolein

Concen: 0.266 ug/l

RT: 3.67 min Scan# 590

Delta R.T. 0.09 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

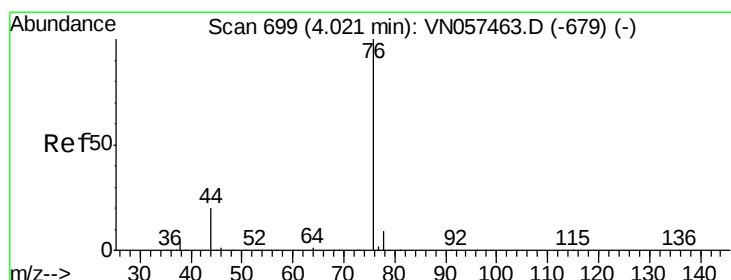
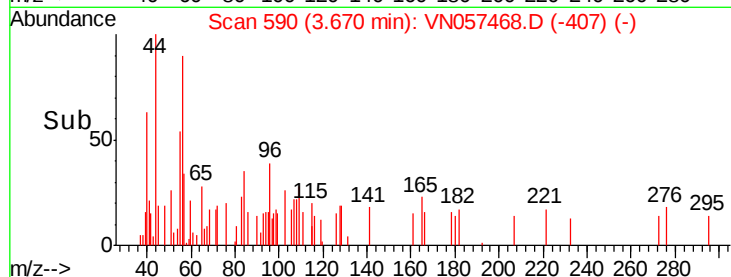
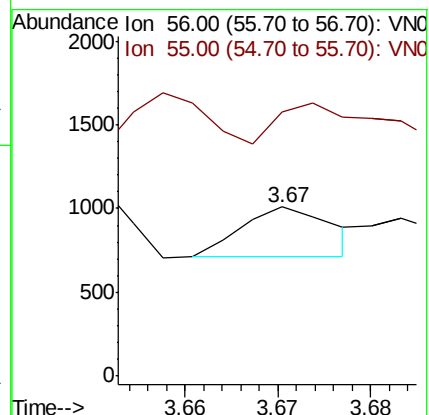
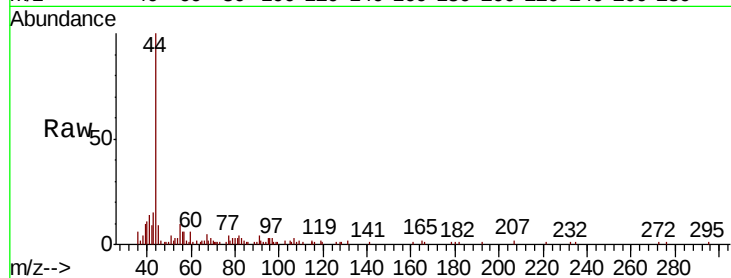
VN0823WBL01

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 73.7 56.7 85.1



#16

Carbon Disulfide

Concen: 0.312 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.01 min

Lab File: VN057468.D

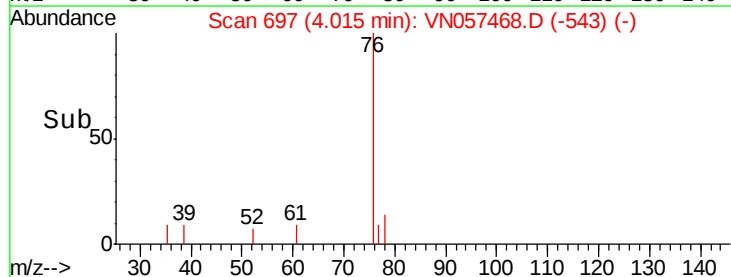
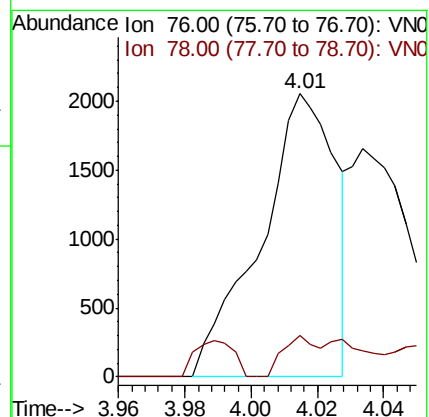
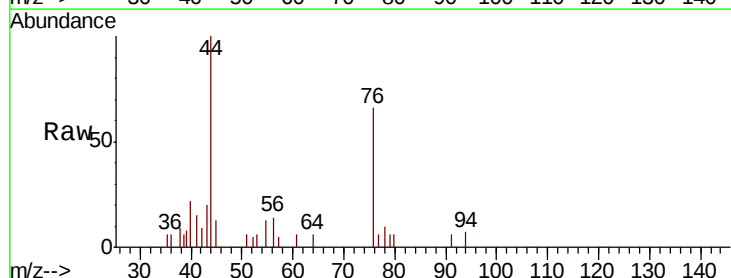
Acq: 23 Aug 2019 12:33

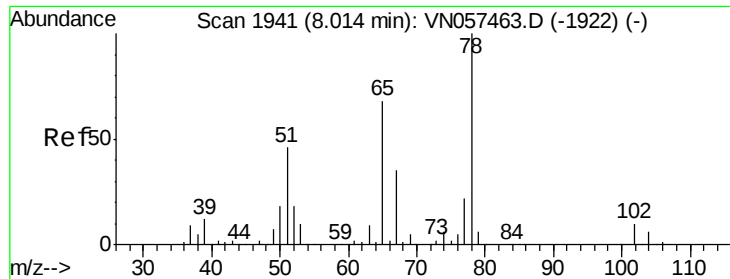
Tgt Ion: 76 Resp: 3230

Ion Ratio Lower Upper

76 100

78 5.3 7.4 11.2#

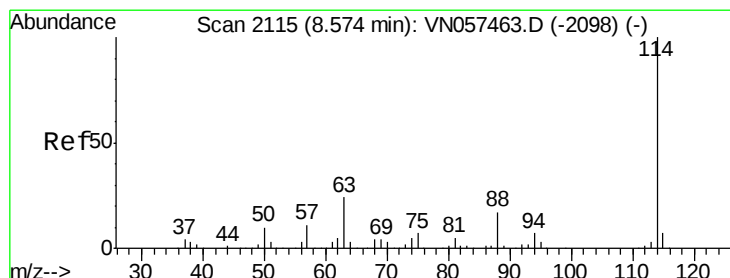
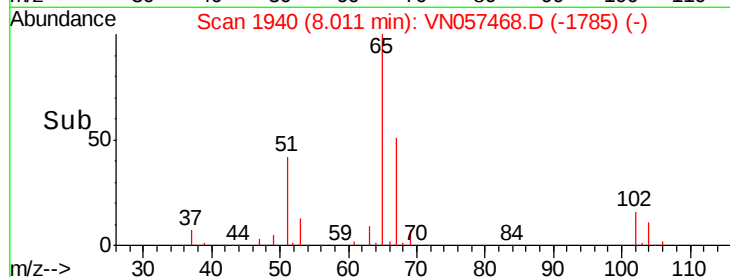
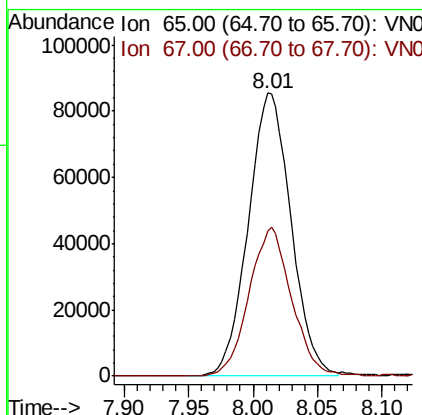
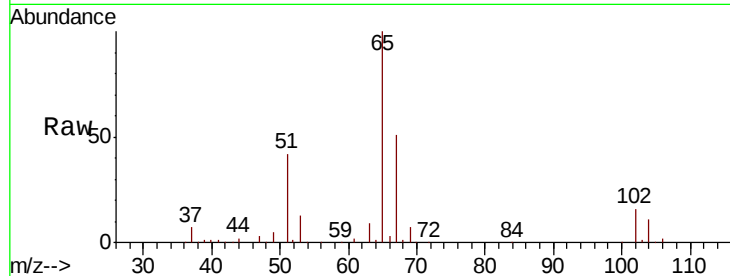




#27
 1,2-Dichloroethane-d4
 Concen: 30.446 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

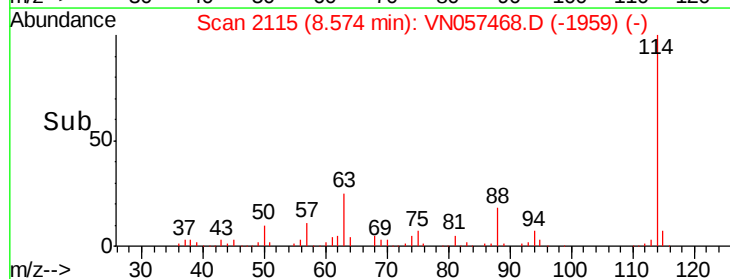
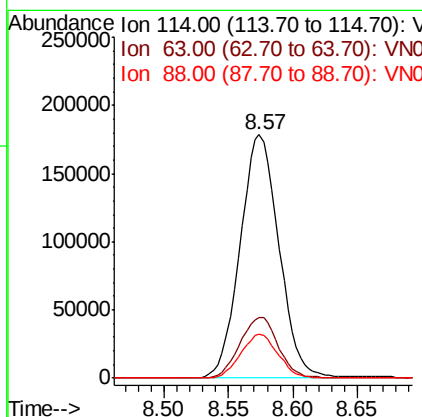
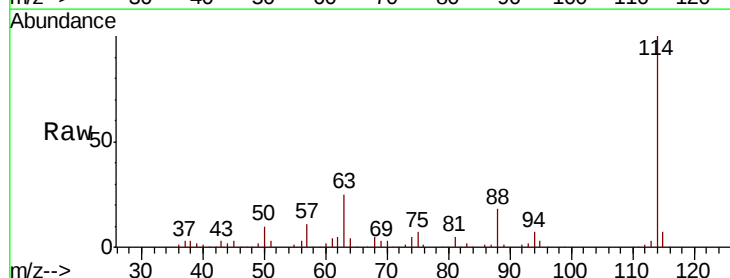
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

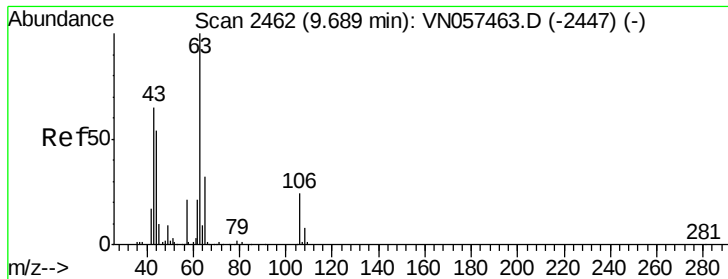
Tgt Ion: 65 Resp: 197677
 Ion Ratio Lower Upper
 65 100
 67 52.1 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Tgt Ion: 114 Resp: 374760
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.4 13.1 19.7

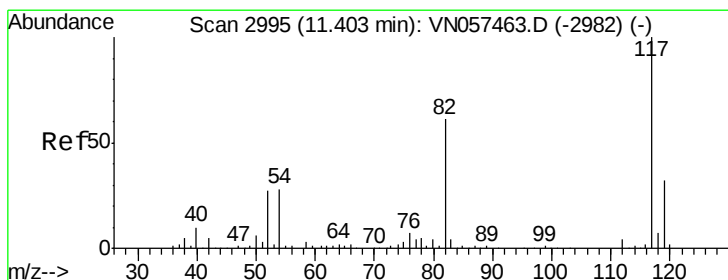
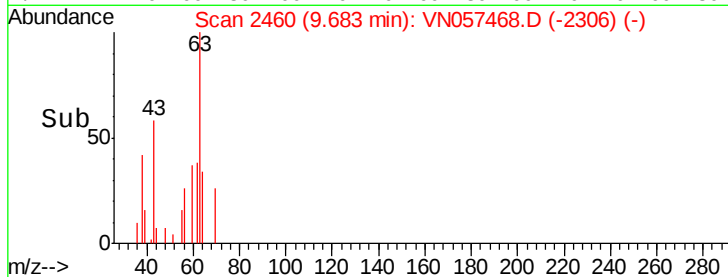
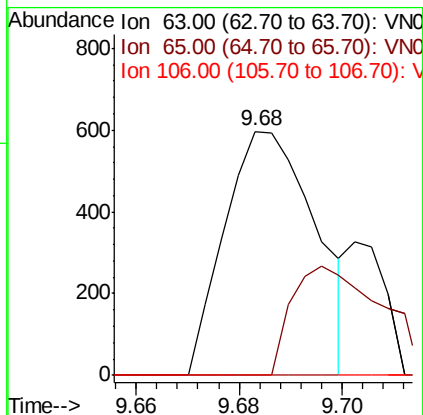
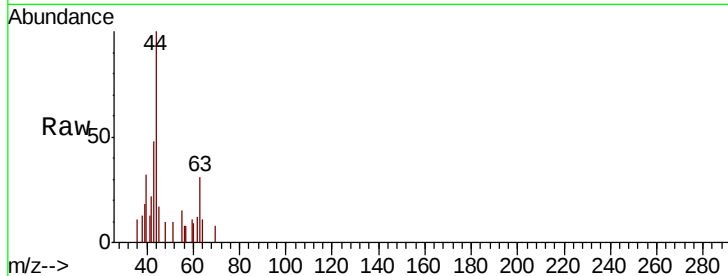




#55
 2-Chloroethyl vinyl ether
 Concen: 0.415 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

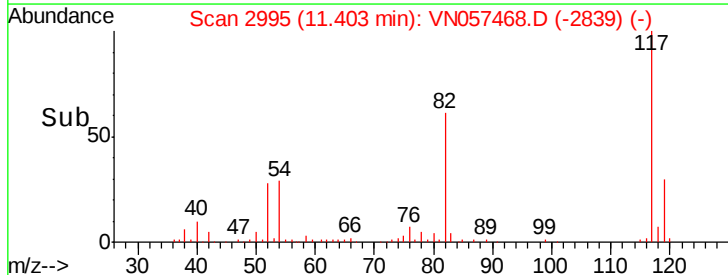
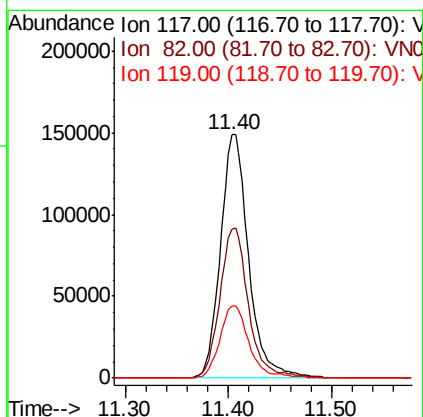
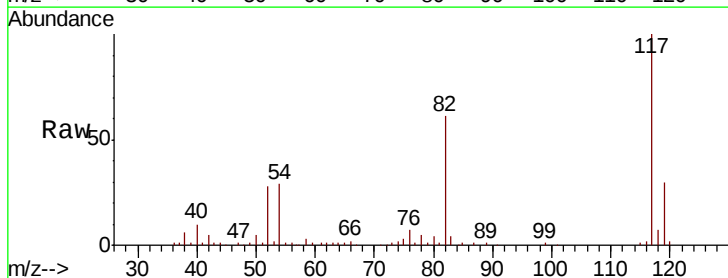
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

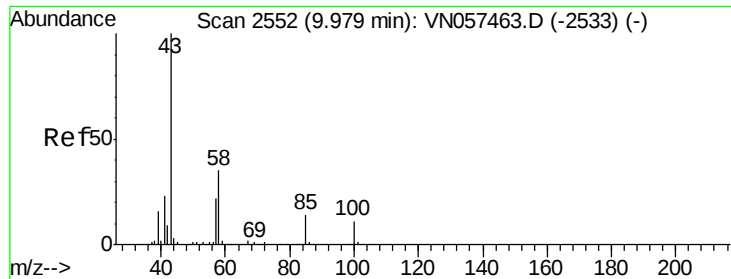
Tgt Ion: 63 Resp: 725
 Ion Ratio Lower Upper
 63 100
 65 43.6 25.1 37.7#
 106 0.0 18.7 28.1#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Tgt Ion: 117 Resp: 282743
 Ion Ratio Lower Upper
 117 100
 82 62.2 50.4 75.6
 119 30.9 25.4 38.2

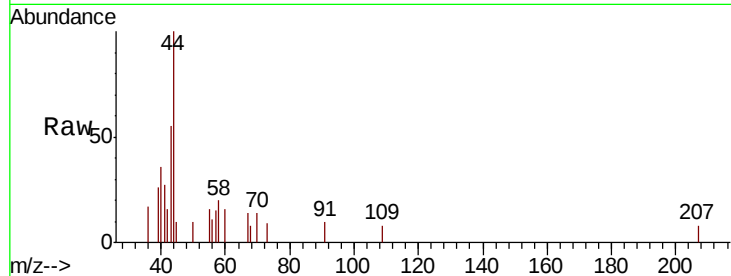




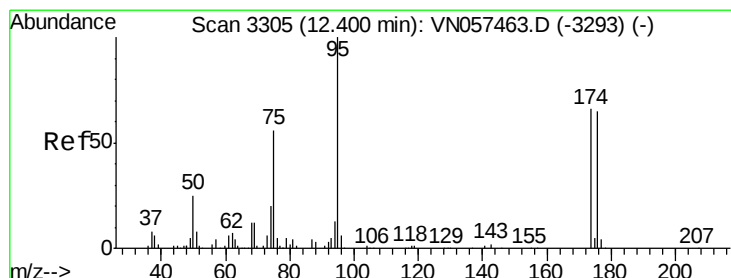
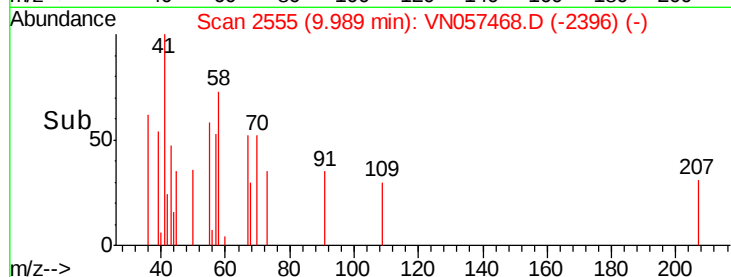
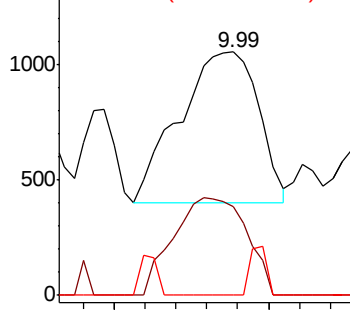
#58
 4-Methyl-2-Pentanone
 Concen: 0.210 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBL01

Tgt Ion: 43 Resp: 1165
 Ion Ratio Lower Upper
 43 100
 58 60.1 28.0 42.0#
 85 6.9 11.3 16.9#

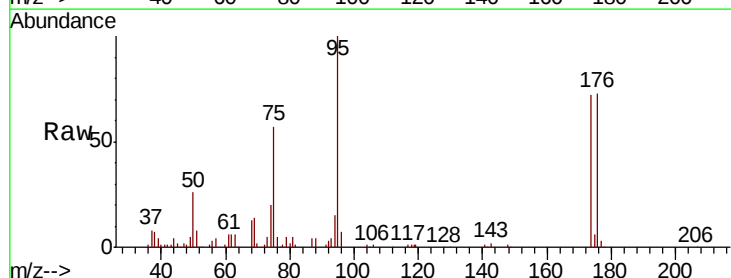


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

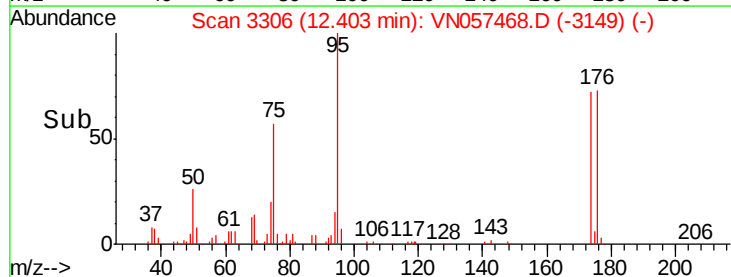
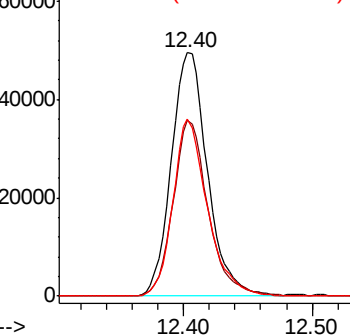


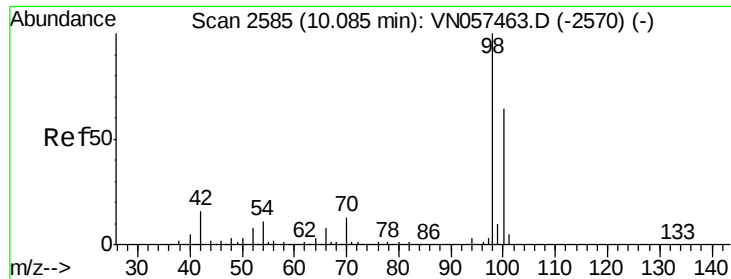
#60
 4-Bromofluorobenzene
 Concen: 20.705 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Tgt Ion: 95 Resp: 96539
 Ion Ratio Lower Upper
 95 100
 174 69.7 54.9 82.3
 176 69.1 54.2 81.4



Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 32.810 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

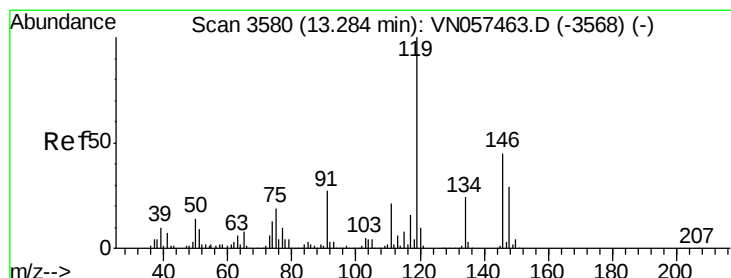
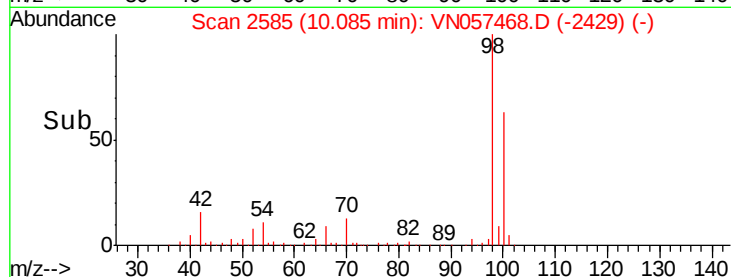
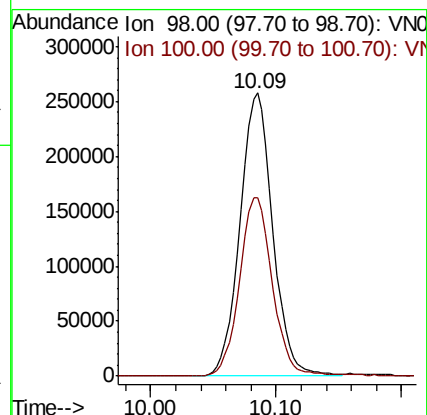
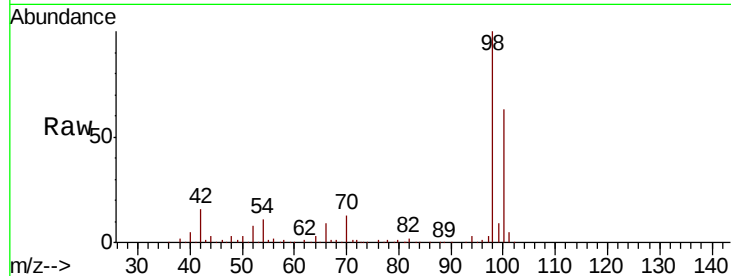
VN0823WBL01

Tgt Ion: 98 Resp: 468480

Ion Ratio Lower Upper

98 100

100 63.2 51.0 76.6



#83

1,3-Dichlorobenzene

Concen: 0.250 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.01 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

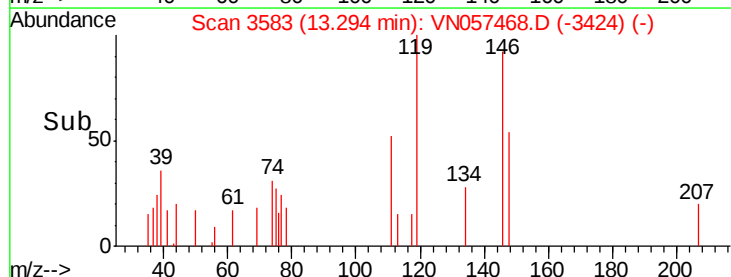
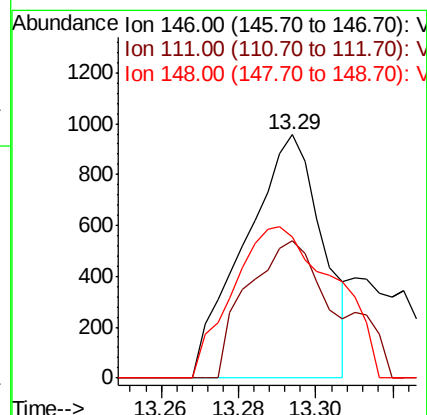
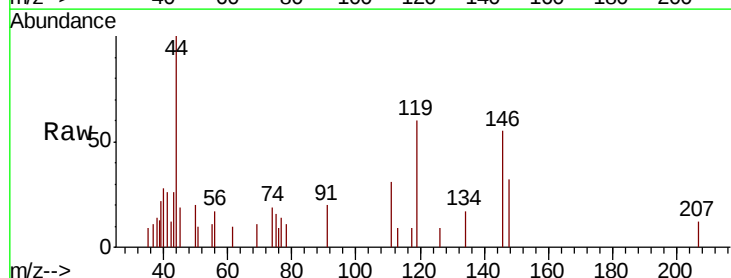
Tgt Ion: 146 Resp: 1337

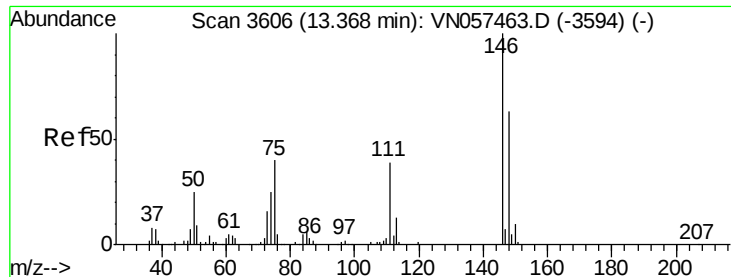
Ion Ratio Lower Upper

146 100

111 55.5 22.4 67.0

148 80.9 31.8 95.4





#84

1,4-Dichlorobenzene

Concen: 0.329 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

VN0823WBL01

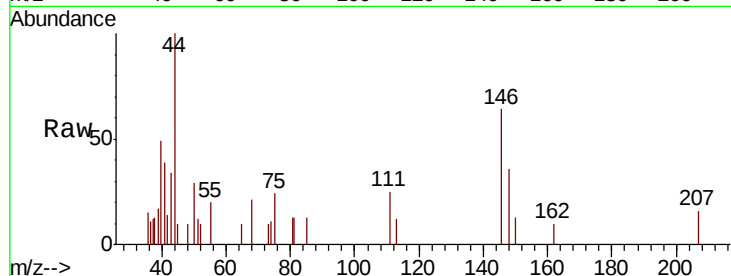
Tgt Ion:146 Resp: 1712

Ion Ratio Lower Upper

146 100

111 30.7 20.5 61.5

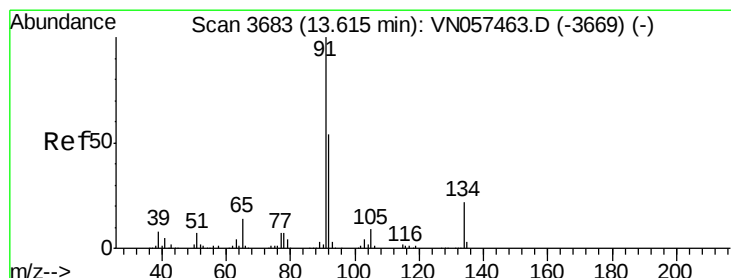
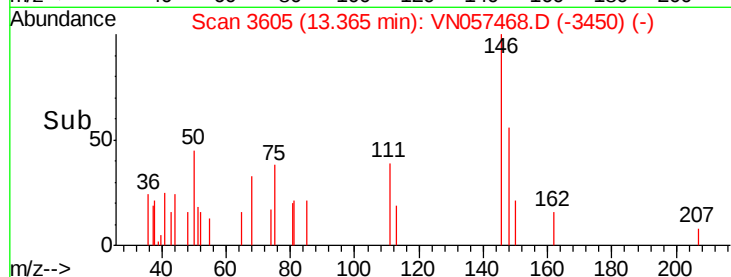
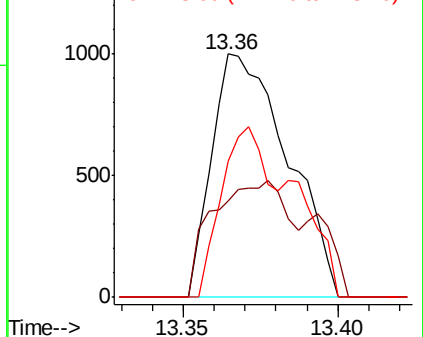
148 45.2 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 0.212 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

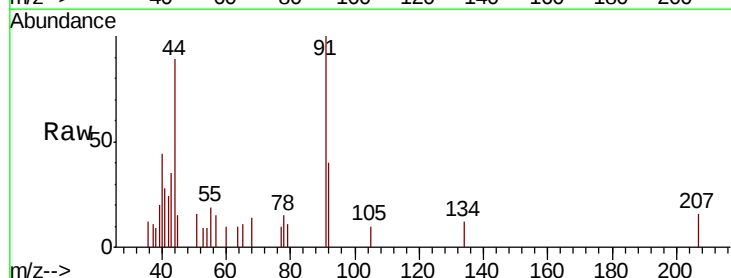
Tgt Ion: 91 Resp: 2430

Ion Ratio Lower Upper

91 100

92 49.8 0.0 105.6

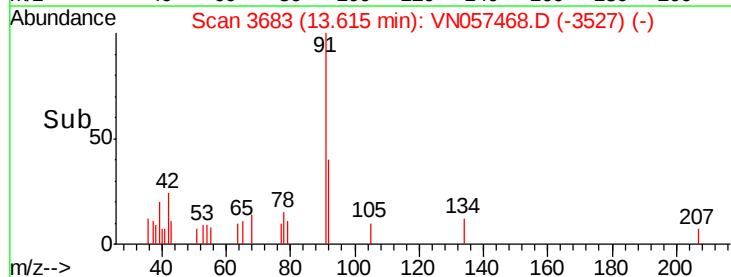
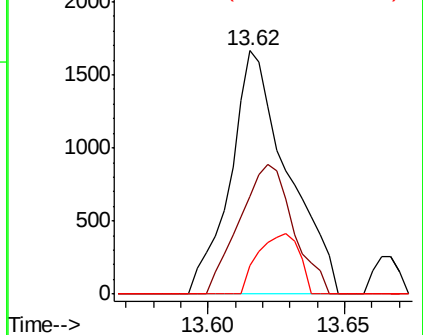
134 17.7 0.0 46.0

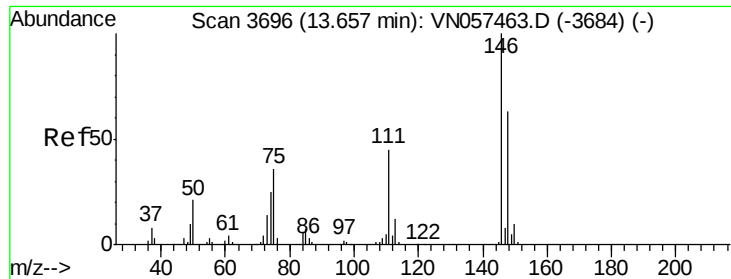


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

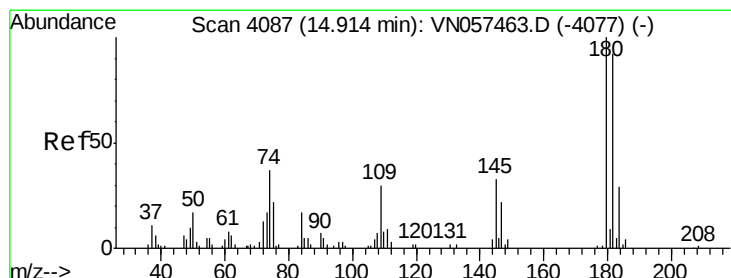
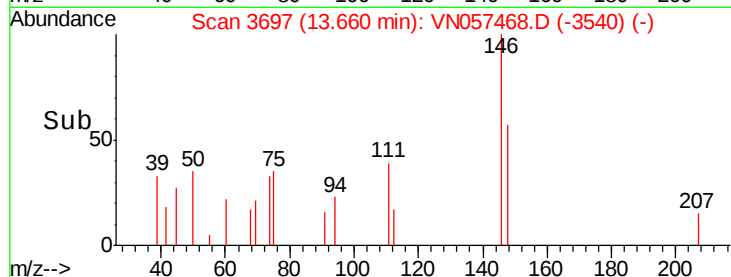
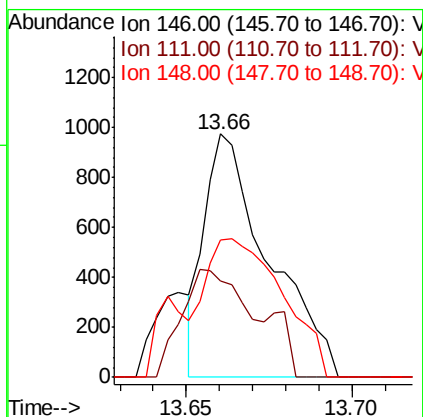
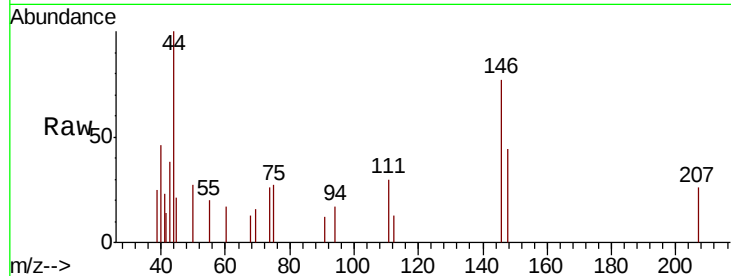




#87
 1,2-Dichlorobenzene
 Concen: 0.250 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

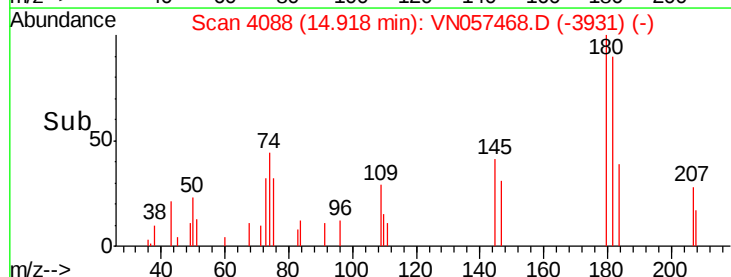
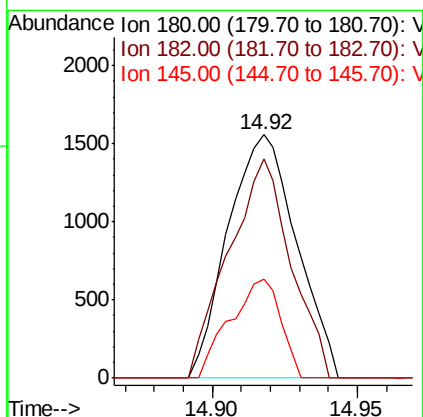
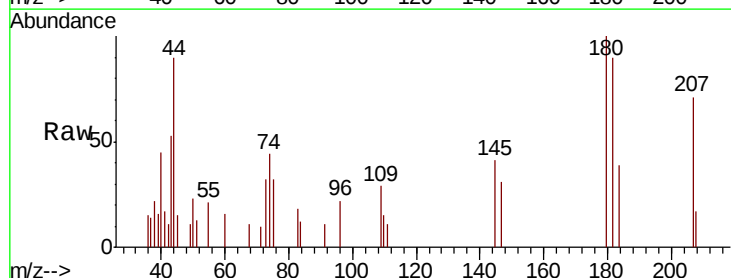
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBL01

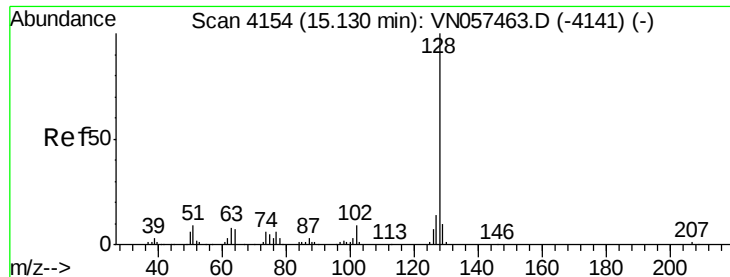
Tgt Ion:146 Resp: 1314
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.5 67.5
 148 68.9 30.9 92.7



#89
 1,2,4-Trichlorobenzene
 Concen: 1.298 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057468.D
 Acq: 23 Aug 2019 12:33

Tgt Ion:180 Resp: 2553
 Ion Ratio Lower Upper
 180 100
 182 81.8 75.4 113.2
 145 30.0 26.9 40.3





#91

Naphthalene

Concen: 10.269 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBL01

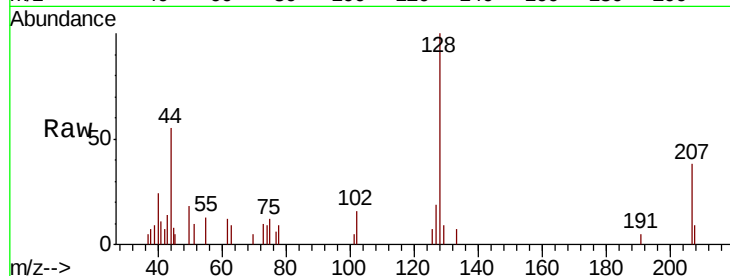
Tgt Ion:128 Resp: 5132

Ion Ratio Lower Upper

128 100

127 15.0 10.1 15.1

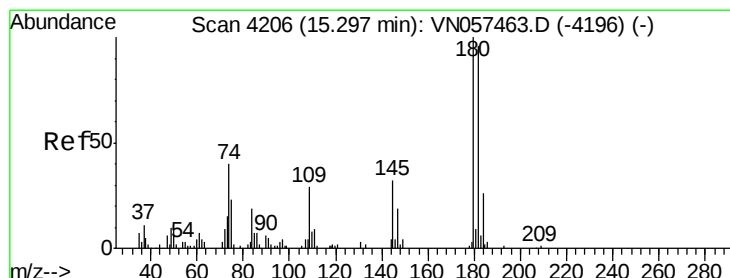
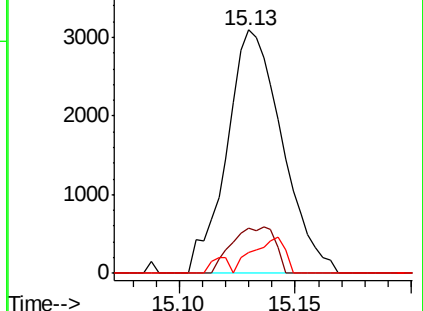
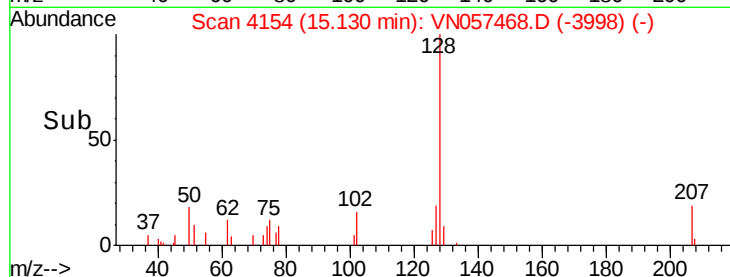
129 8.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 1.179 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057468.D

Acq: 23 Aug 2019 12:33

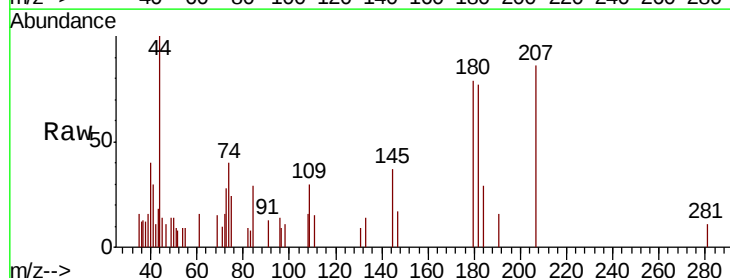
Tgt Ion:180 Resp: 2319

Ion Ratio Lower Upper

180 100

182 93.5 0.0 187.0

145 37.0 0.0 64.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

