

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058005.D
 Acq On : 13 Sep 2019 10:12
 Operator : JC/SP
 Sample : VN0914WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

Quant Time: Sep 14 01:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	73736	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	431220	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	361912	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	205096	31.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.83%
60) 4-Bromofluorobenzene	12.40	95	165651	26.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.17%
63) Toluene-d8	10.09	98	531128	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

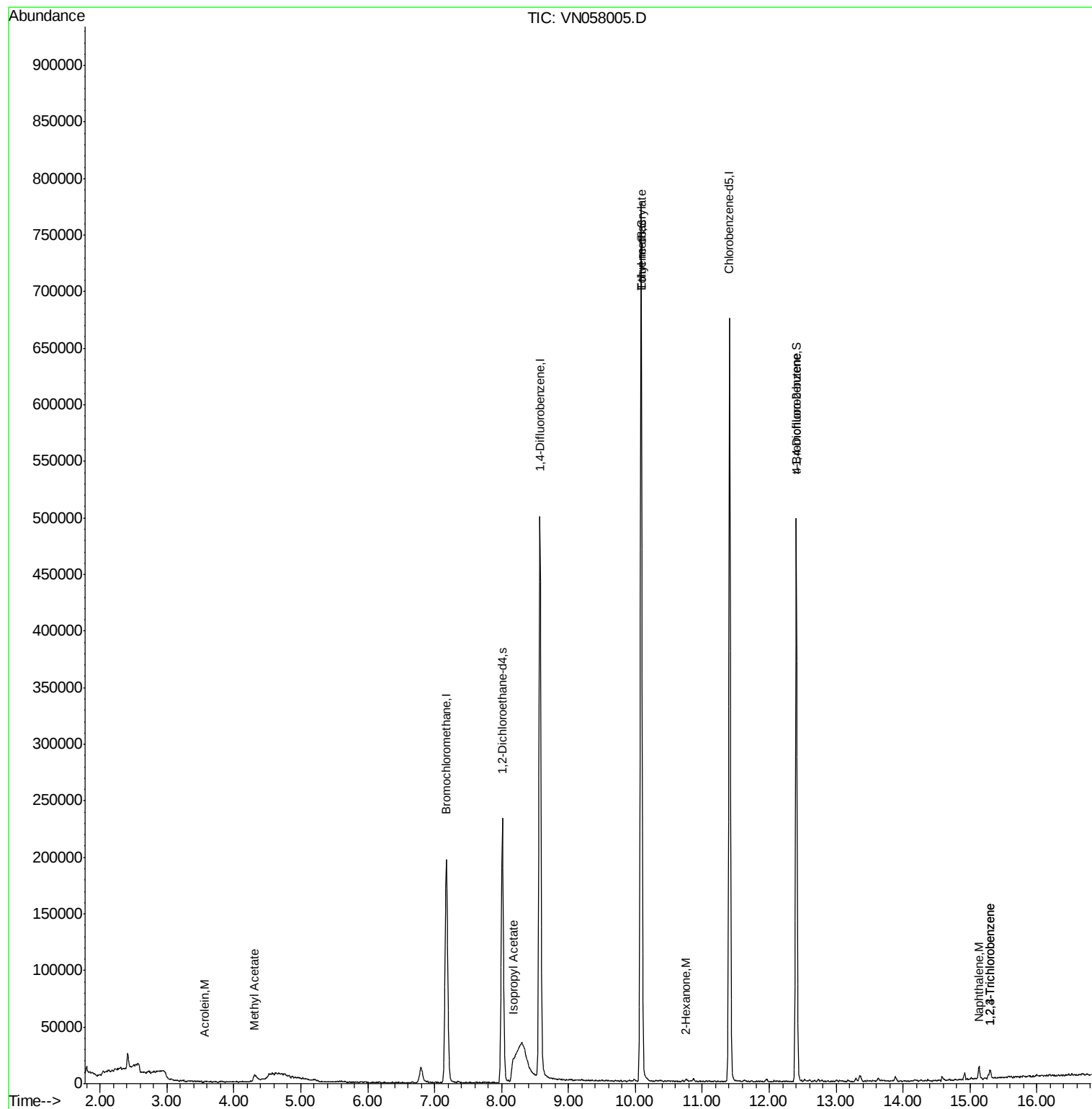
					Qvalue	
12) Methyl Acetate	4.31	43	6700	1.252	ug/l	96
13) Acrolein	3.56	56	98	0.338	ug/l #	13
44) Isopropyl Acetate	8.17	43	12980	1.193	ug/l #	100
51) Ethyl methacrylate	10.09	69	1870	0.242	ug/l	81
59) 2-Hexanone	10.75	43	1442	0.342	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.40	75	90236	50.717	ug/l #	1
89) 1,2,4-Trichlorobenzene	15.30	180	2900	0.508	ug/l #	83
91) Naphthalene	15.13	128	9391	0.598	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.30	180	2900	0.533	ug/l	84

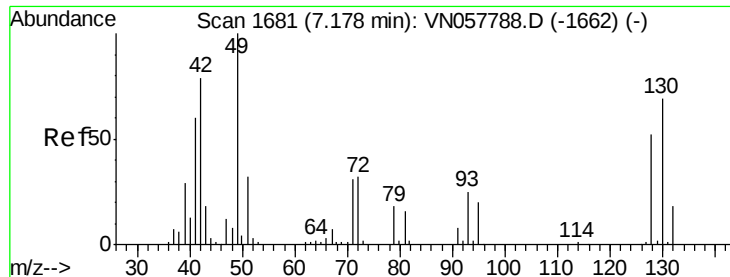
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
Data File : VN058005.D
Acq On : 13 Sep 2019 10:12
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Sample : VN0914WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

Quant Time: Sep 14 01:14:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 12:14:07 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: VN058005.D

Acq: 13 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL01

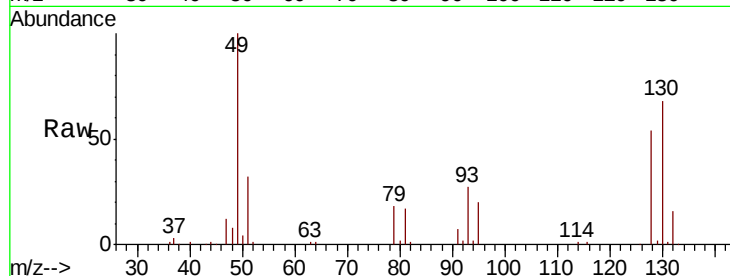
Tgt Ion:128 Resp: 73736

Ion Ratio Lower Upper

128 100

49 185.1 0.0 486.5

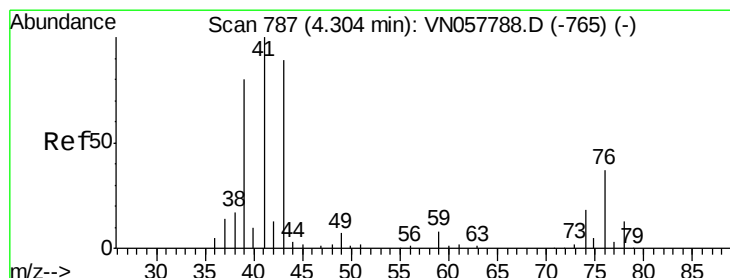
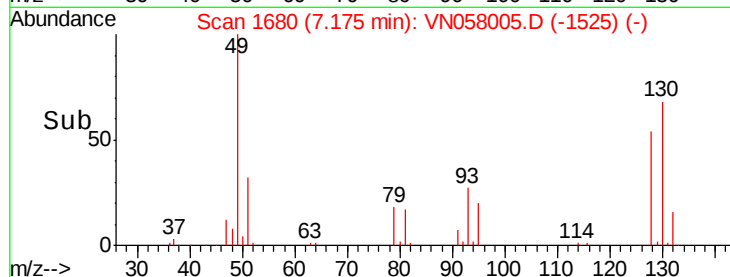
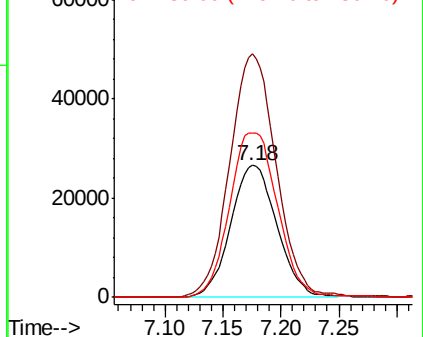
130 128.7 0.0 324.5



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



#12

Methyl Acetate

Concen: 1.252 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN058005.D

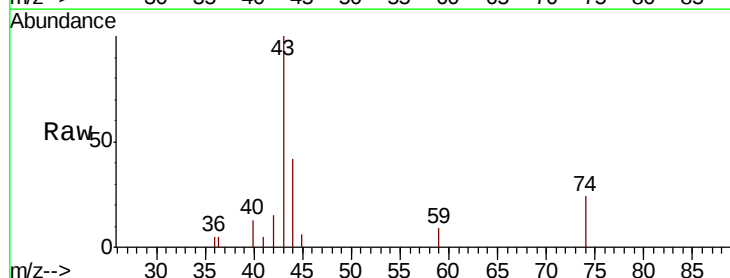
Acq: 13 Sep 2019 10:12

Tgt Ion: 43 Resp: 6700

Ion Ratio Lower Upper

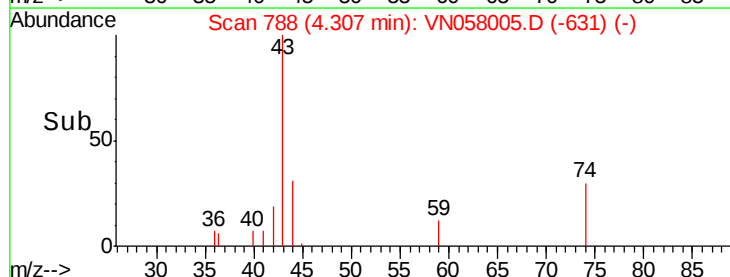
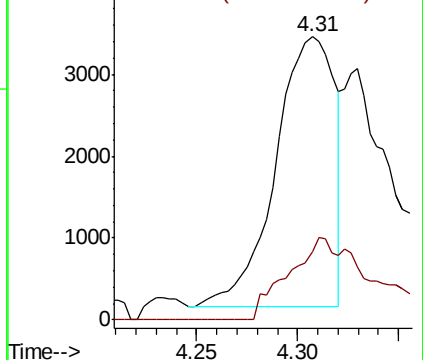
43 100

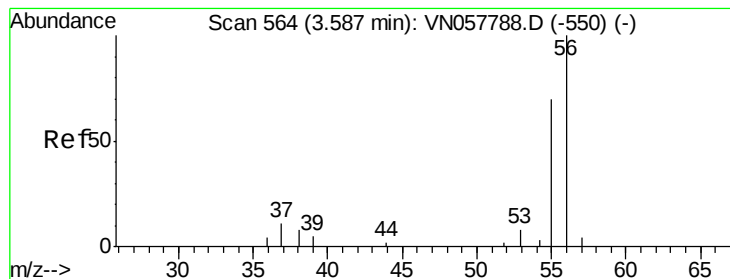
74 22.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#13

Acrolein

Concen: 0.338 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.02 min

Lab File: VN058005.D

Acq: 13 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

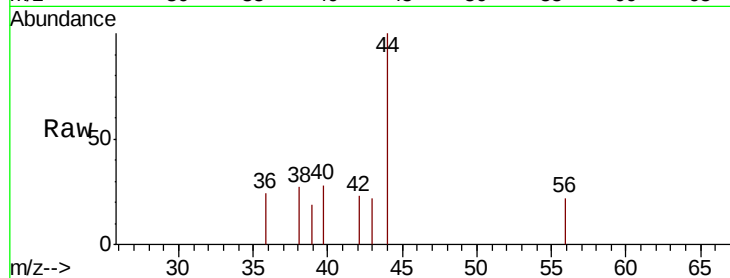
VN0914WBL01

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

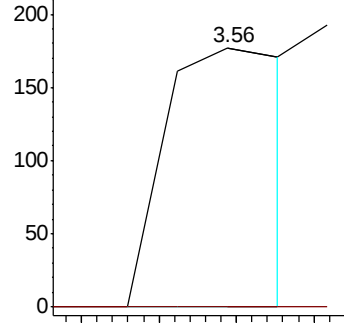
56 100

55 0.0 59.0 88.4#

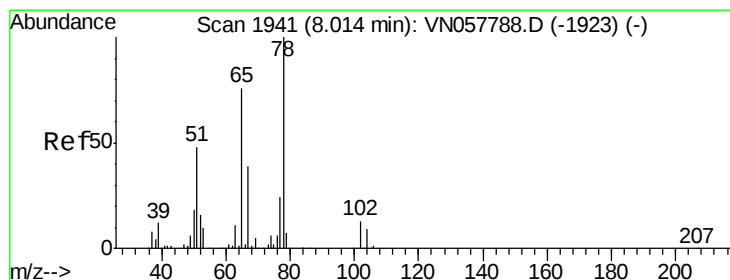
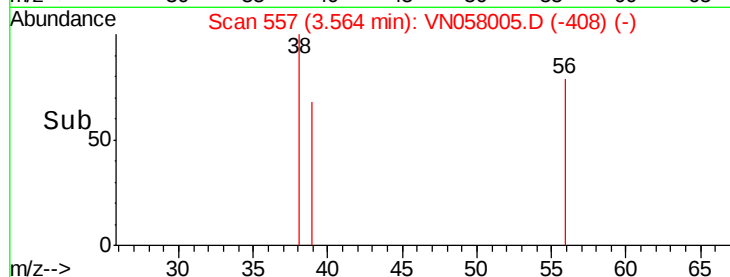


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#27

1,2-Dichloroethane-d4

Concen: 31.445 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058005.D

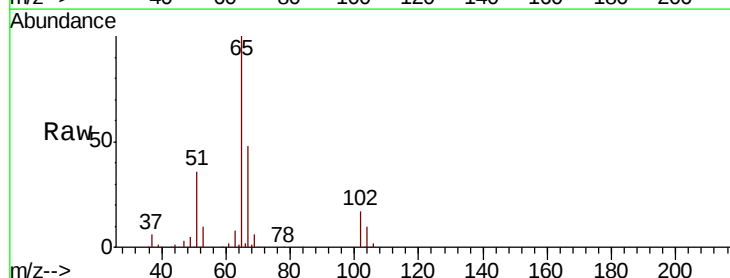
Acq: 13 Sep 2019 10:12

Tgt Ion: 65 Resp: 205096

Ion Ratio Lower Upper

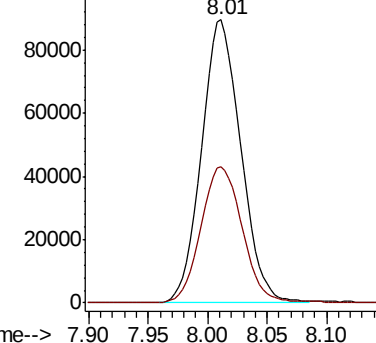
65 100

67 50.5 40.9 61.3

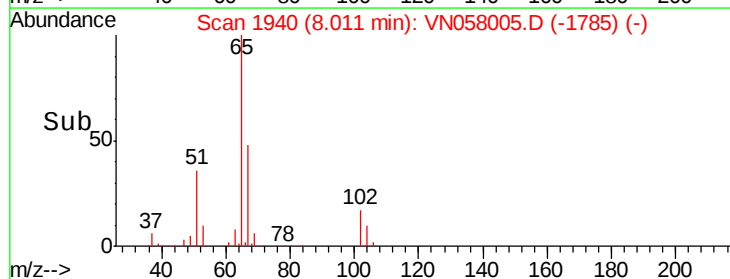


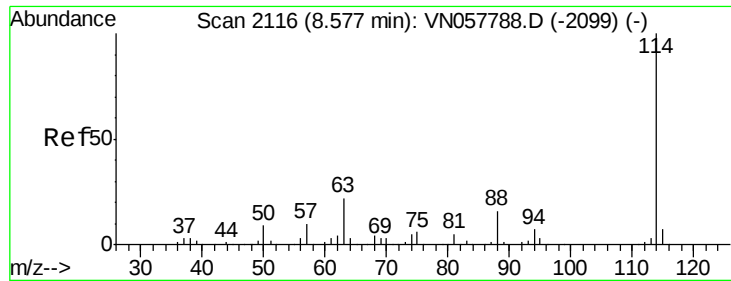
Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



Time-->

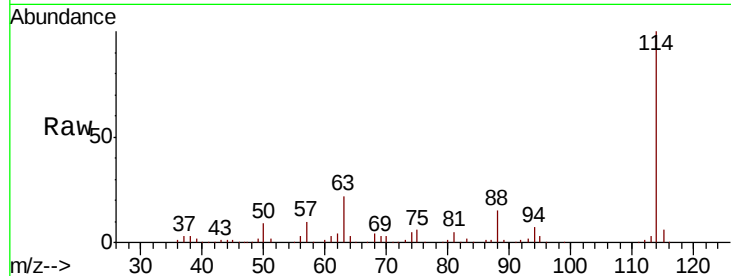




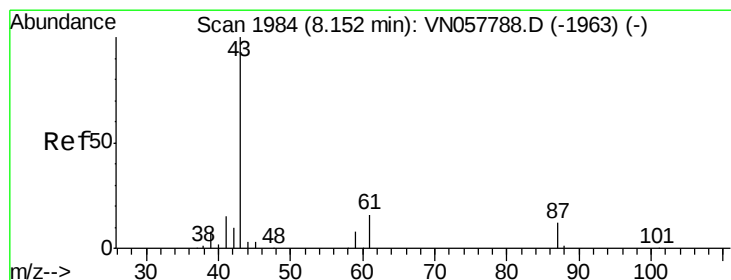
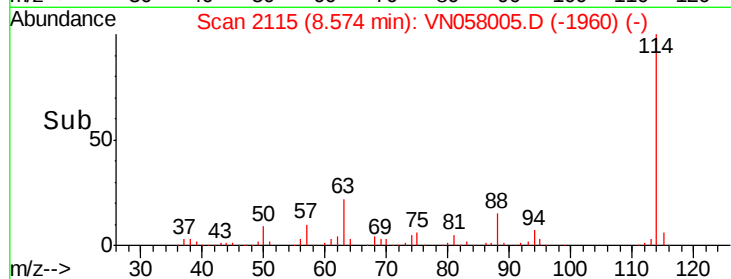
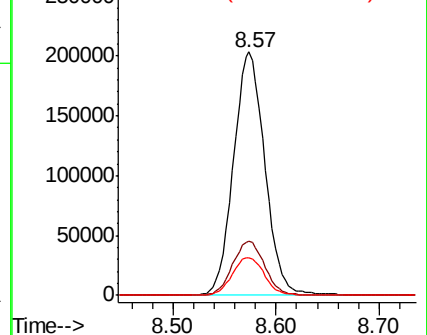
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058005.D
 Acq: 13 Sep 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBL01

Tgt Ion: 114 Resp: 431220
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.0 27.0
 88 15.9 12.6 19.0

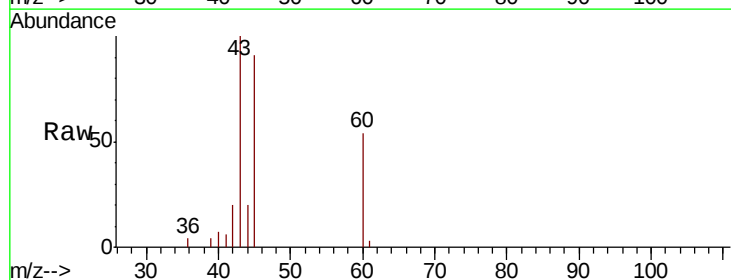


Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)
 Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)
 Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

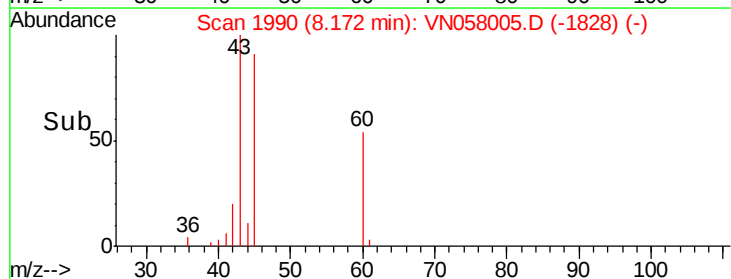
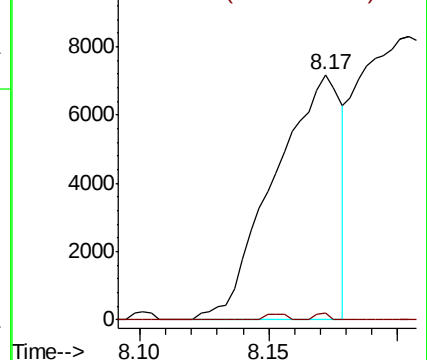


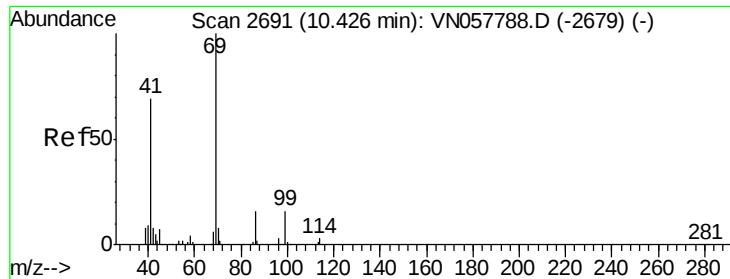
#44
 Isopropyl Acetate
 Concen: 1.193 ug/l
 RT: 8.17 min Scan# 1990
 Delta R.T. 0.02 min
 Lab File: VN058005.D
 Acq: 13 Sep 2019 10:12

Tgt Ion: 43 Resp: 12980
 Ion Ratio Lower Upper
 43 100
 61 0.5 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057788.D (-1963) (-)
 Ion 61.00 (60.70 to 61.70): VN057788.D (-1963) (-)





#51

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.34 min

Lab File: VN058005.D

Acq: 13 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBL01

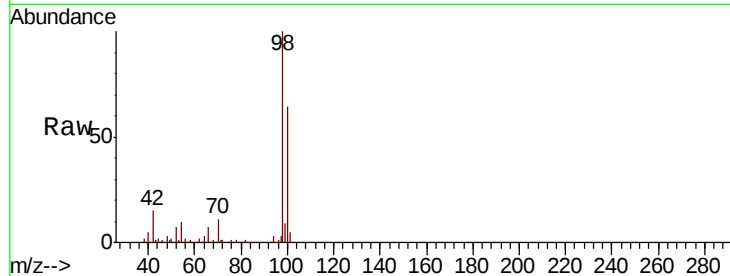
Tgt Ion: 69 Resp: 1870

Ion Ratio Lower Upper

69 100

41 93.5 34.5 103.5

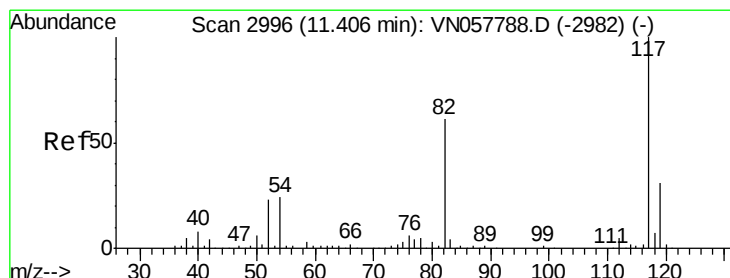
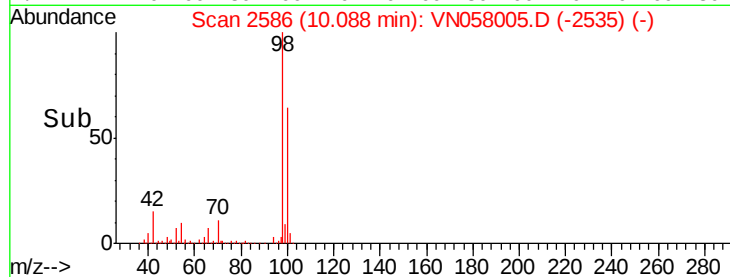
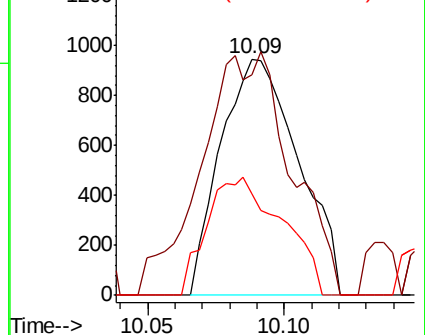
39 43.2 22.4 67.3



Abundance Ion 69.00 (68.70 to 69.70): VN057788.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057788.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057788.D (-2679) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058005.D

Acq: 13 Sep 2019 10:12

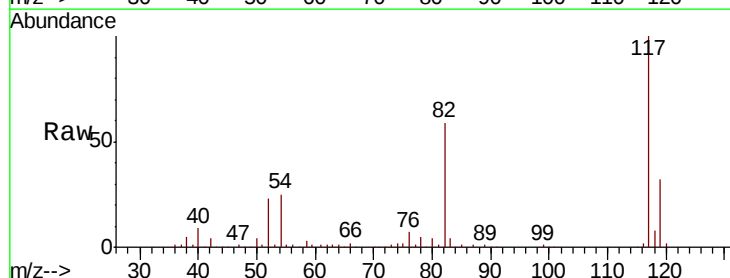
Tgt Ion: 117 Resp: 361912

Ion Ratio Lower Upper

117 100

82 59.3 47.6 71.4

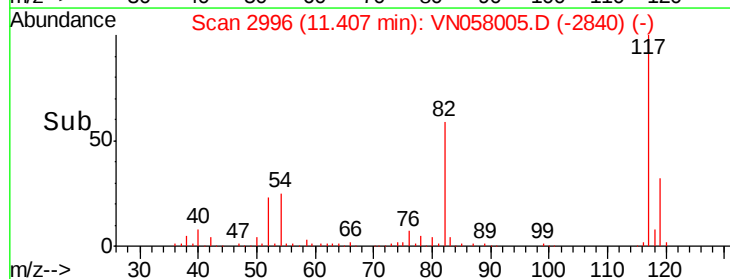
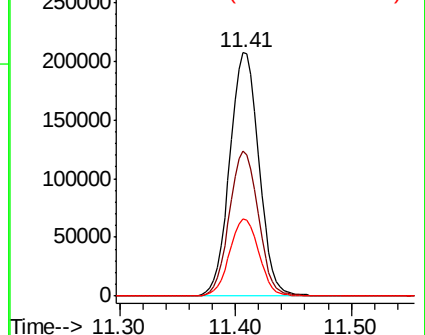
119 31.9 25.4 38.2

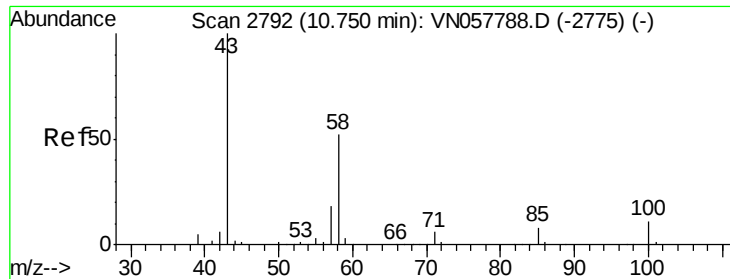


Abundance Ion 117.00 (116.70 to 117.70): VN057788.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN057788.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN057788.D (-2982) (-)

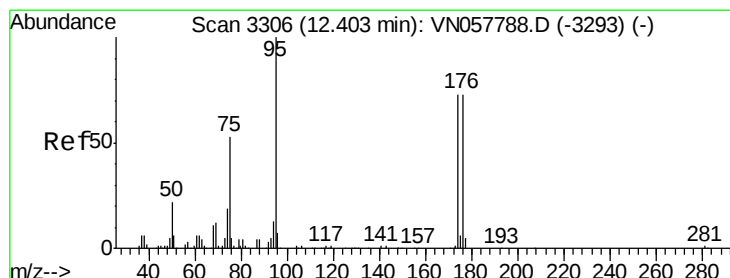
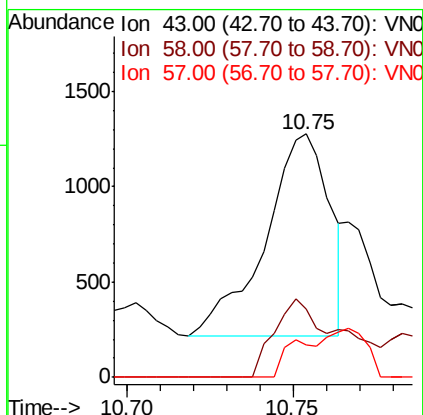
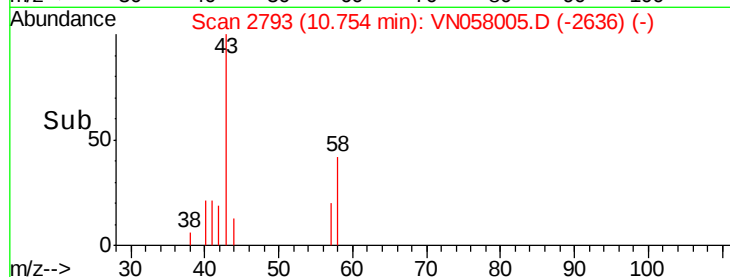
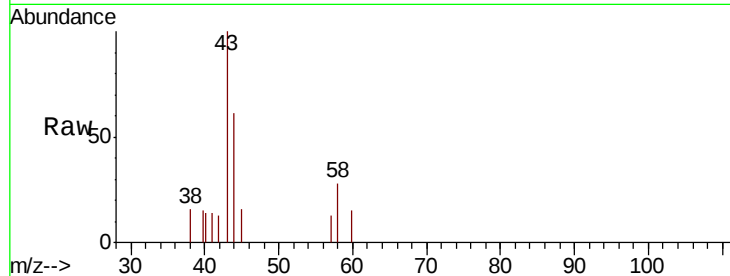




#59
2-Hexanone
Concen: 0.342 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058005.D
Acq: 13 Sep 2019 10:12

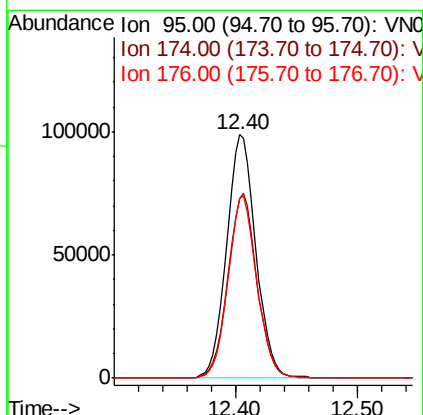
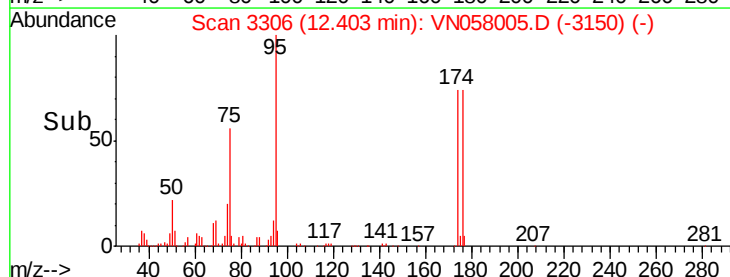
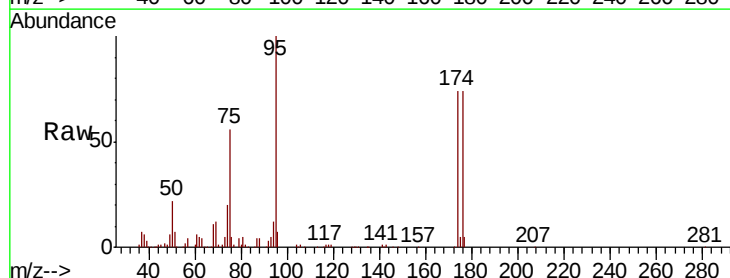
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBL01

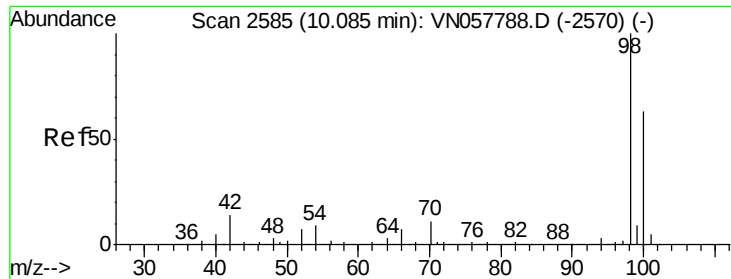
Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 26.8 40.6 61.0#
57 9.3 14.5 21.7#



#60
4-Bromofluorobenzene
Concen: 26.748 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058005.D
Acq: 13 Sep 2019 10:12

Tgt Ion: 95 Resp: 165651
Ion Ratio Lower Upper
95 100
174 75.1 59.4 89.0
176 73.3 57.4 86.0





#63

Toluene-d8

Concen: 30.575 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058005.D

Acq: 13 Sep 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

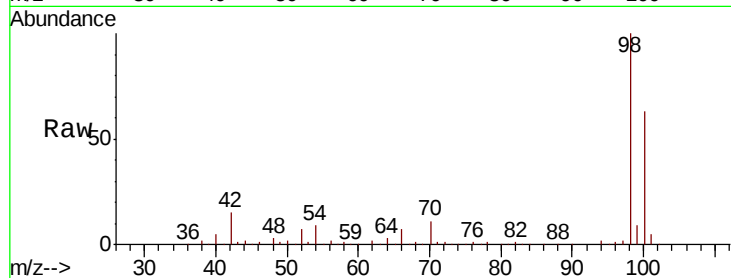
VN0914WBL01

Tgt Ion: 98 Resp: 531128

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

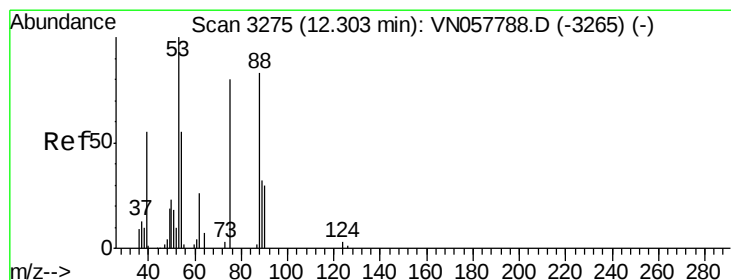
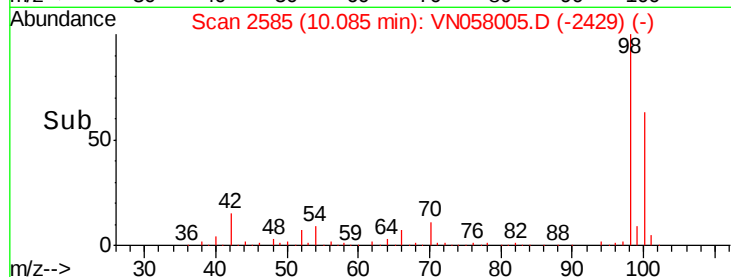
300000

200000

100000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 50.717 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058005.D

Acq: 13 Sep 2019 10:12

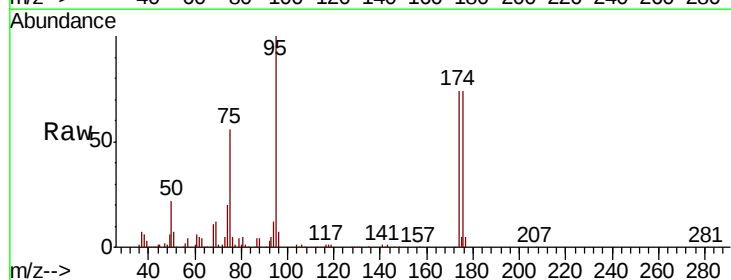
Tgt Ion: 75 Resp: 90236

Ion Ratio Lower Upper

75 100

53 0.0 62.7 188.2#

89 0.0 22.8 68.3#



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

12.40

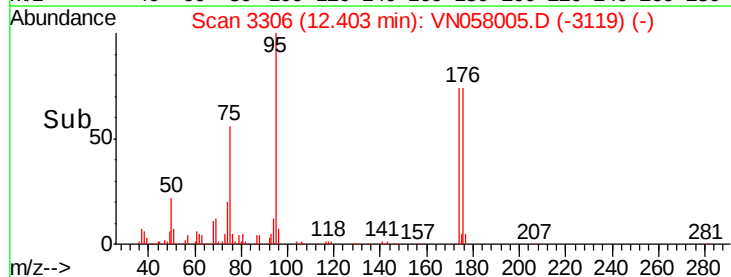
60000

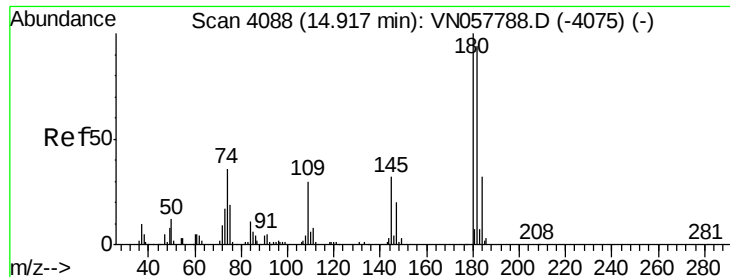
40000

20000

0

Time-->

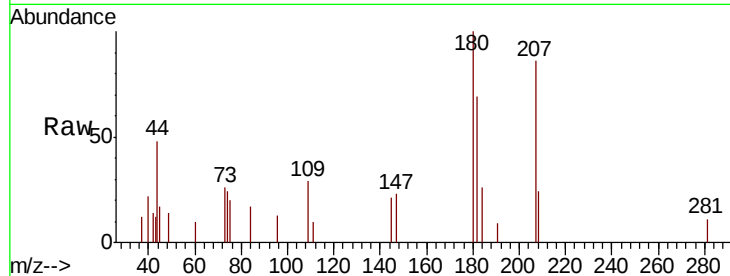




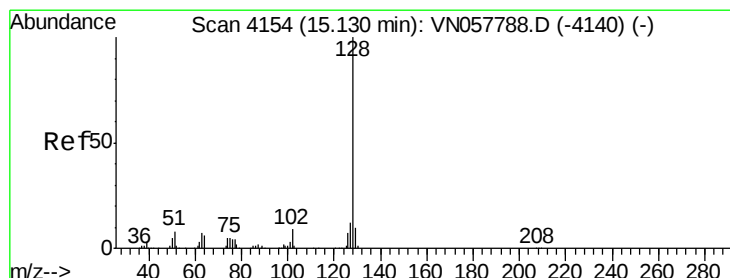
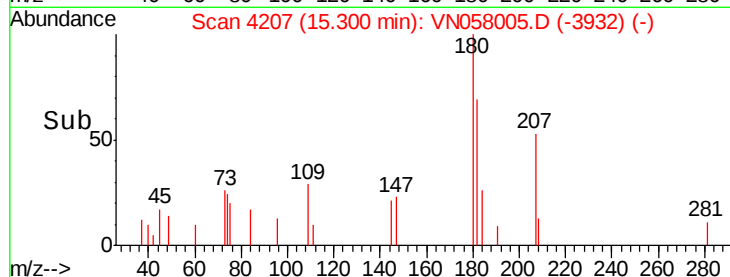
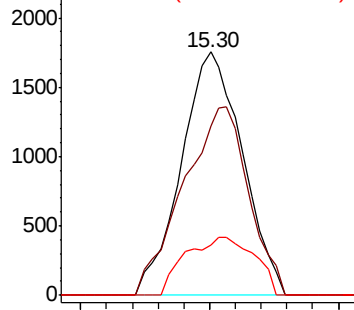
#89
 1,2,4-Trichlorobenzene
 Concen: 0.508 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.38 min
 Lab File: VN058005.D
 Acq: 13 Sep 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

Tgt Ion:180 Resp: 2900
 Ion Ratio Lower Upper
 180 100
 182 82.8 77.0 115.4
 145 17.7 26.1 39.1#

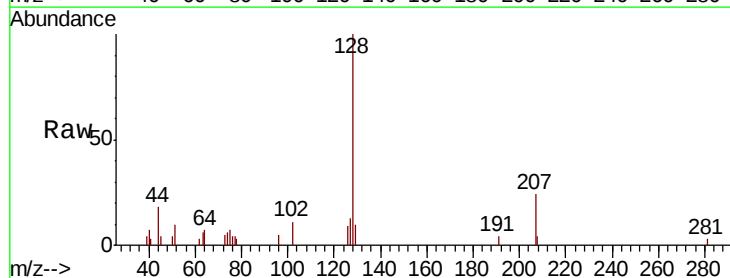


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

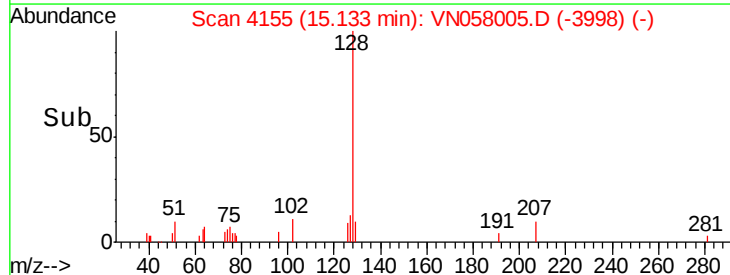
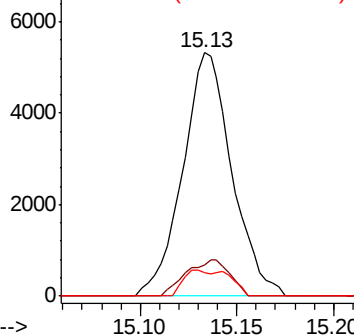


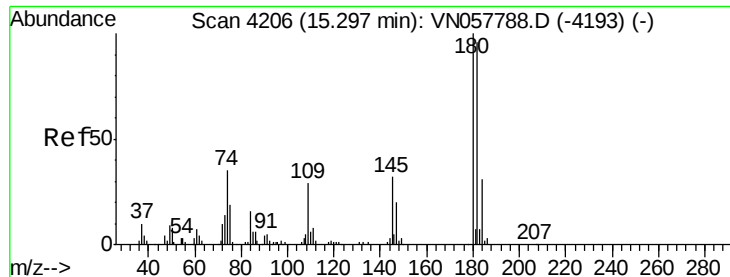
#91
 Naphthalene
 Concen: 0.598 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058005.D
 Acq: 13 Sep 2019 10:12

Tgt Ion:128 Resp: 9391
 Ion Ratio Lower Upper
 128 100
 127 13.2 9.9 14.9
 129 5.8 8.1 12.1#



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

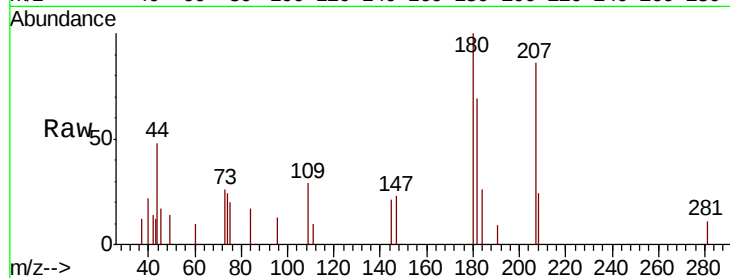




#92
 1,2,3-Trichlorobenzene
 Concen: 0.533 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058005.D
 Acq: 13 Sep 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.8	0.0	189.8
145	17.7	0.0	65.0



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

