

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058643.D
 Acq On : 9 Oct 2019 16:36
 Operator : JC/SP
 Sample : VN1010WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

Quant Time: Oct 10 04:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	241388	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	307778	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	220401	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.09	98	863203	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	281582	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

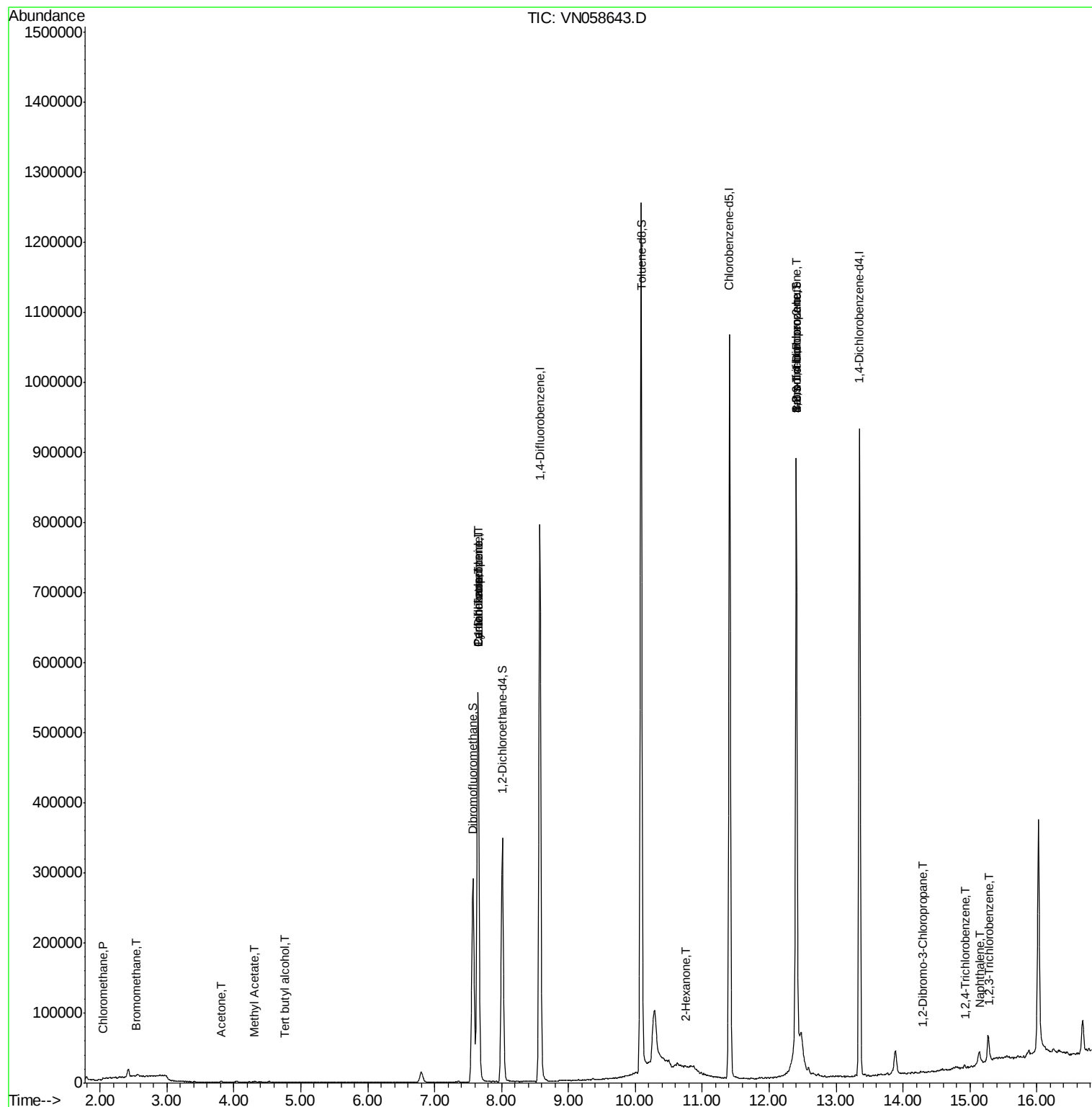
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1526	0.289	ug/l #	84
5) Bromomethane	2.56	94	1102	0.401	ug/l	86
11) Tert butyl alcohol	4.76	59	157	0.221	ug/l #	71
16) Acetone	3.79	43	698	0.320	ug/l #	88
18) Methyl Acetate	4.31	43	1139	0.207	ug/l #	53
31) Cyclohexane	7.65	56	10177	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35960	5.418	ug/l #	51
38) Carbon Tetrachloride	7.65	117	44521	7.431	ug/l #	17
59) 2-Hexanone	10.75	43	1415	0.357	ug/l #	43
60) Dibromochloromethane	10.63	129	289	Below Cal	#	11
71) Bromoform	12.41	173	1025	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	151303	34.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151303	104.225	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.28	75	344	0.370	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	1257	0.312	ug/l	97
95) Naphthalene	15.13	128	5393	0.428	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	1447	0.333	ug/l	93

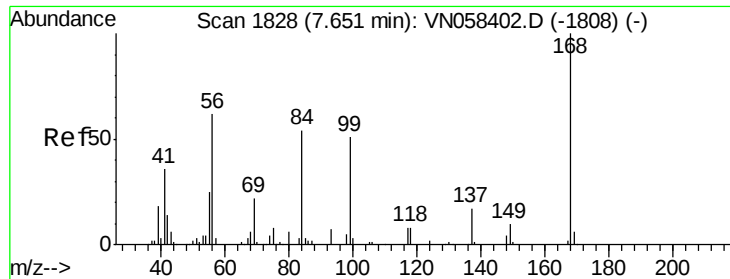
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

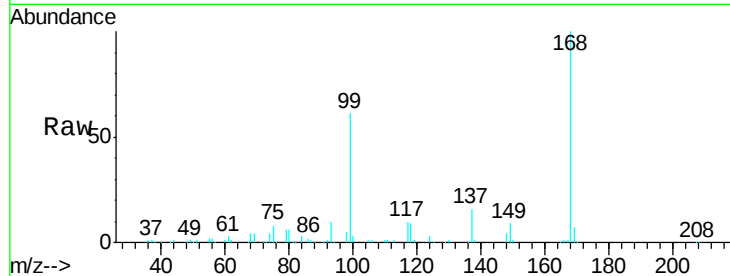
VN1010WBL01

Tgt Ion:168 Resp: 438267

Ion Ratio Lower Upper

168 100

99 60.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

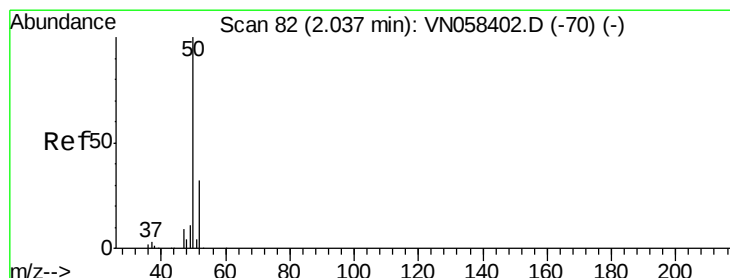
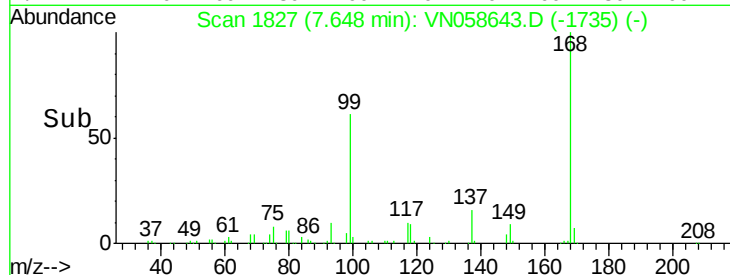
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.289 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058643.D

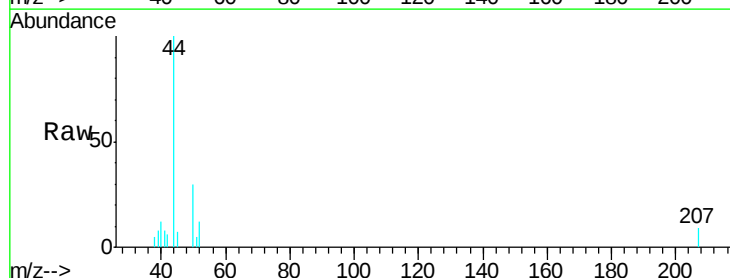
Acq: 9 Oct 2019 16:36

Tgt Ion: 50 Resp: 1526

Ion Ratio Lower Upper

50 100

52 41.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1000

800

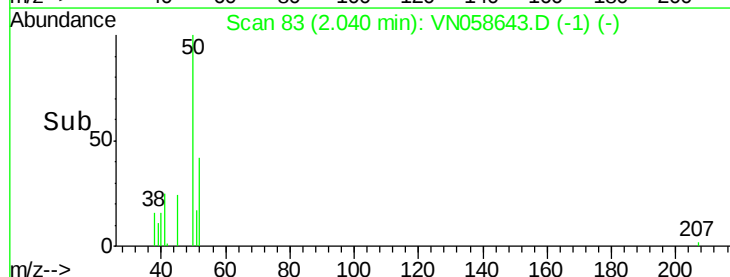
600

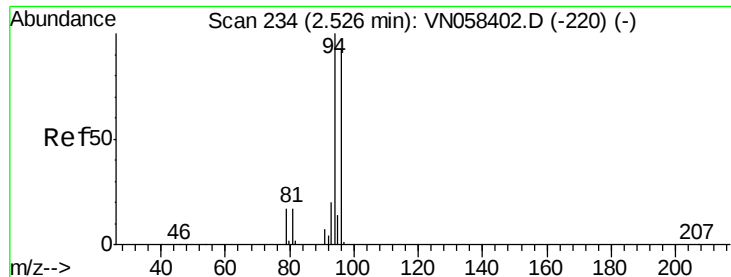
400

200

0

Time-->





#5

Bromomethane

Concen: 0.401 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

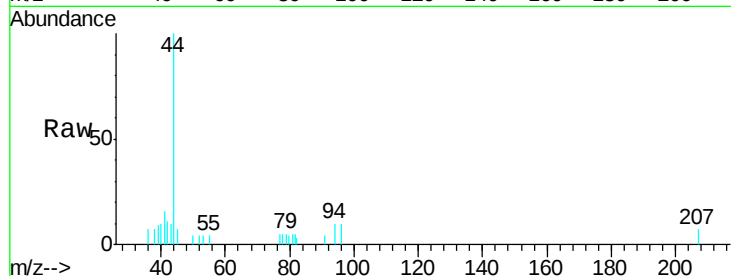
VN1010WBL01

Tgt Ion: 94 Resp: 1102

Ion Ratio Lower Upper

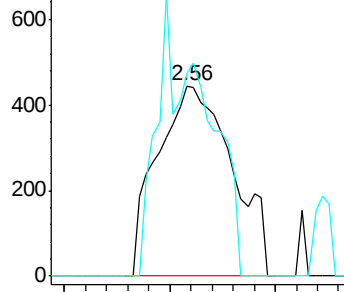
94 100

96 106.8 74.8 112.2

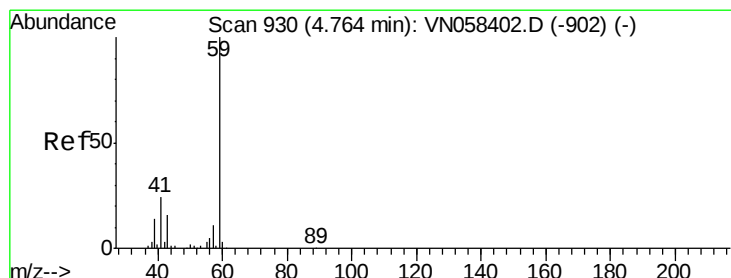
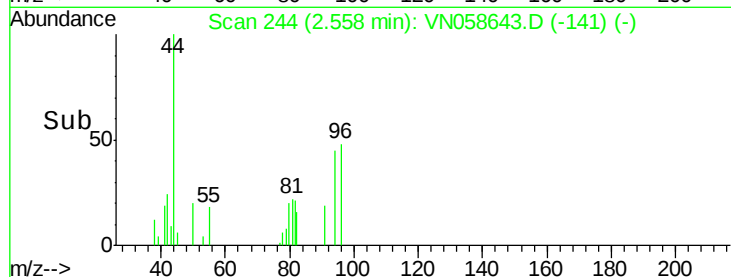


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time--> 2.50 2.55 2.60



#11

Tert butyl alcohol

Concen: 0.221 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058643.D

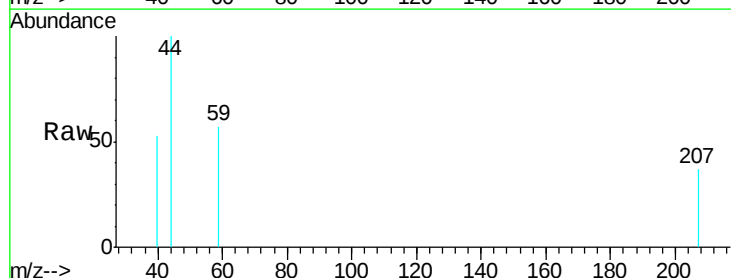
Acq: 9 Oct 2019 16:36

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

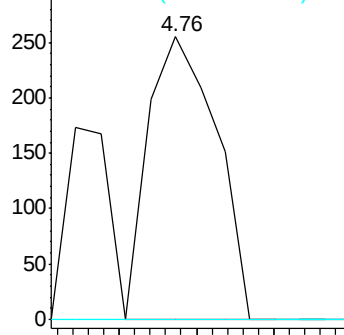
59 100

57 0.0 9.0 13.4#

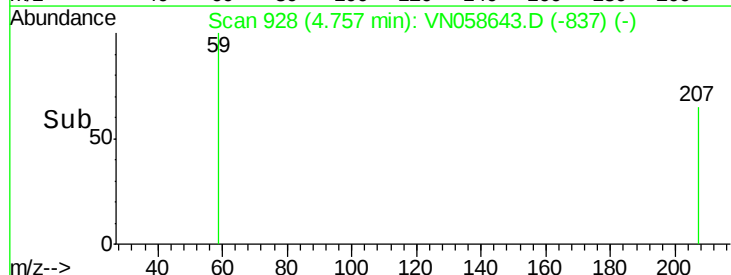


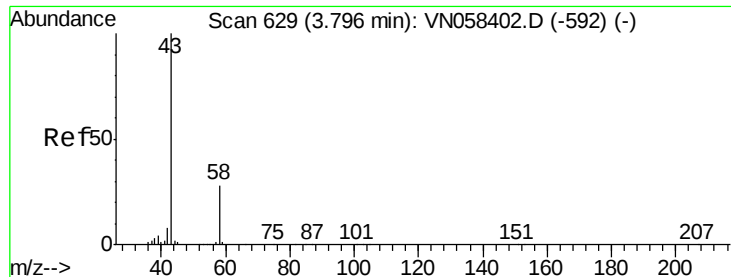
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time--> 4.75 4.76 4.77





#16

Acetone

Concen: 0.320 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

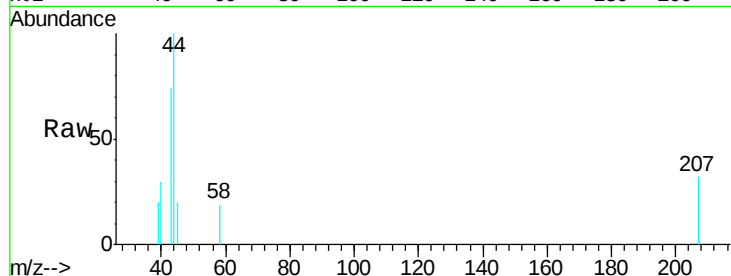
VN1010WBL01

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

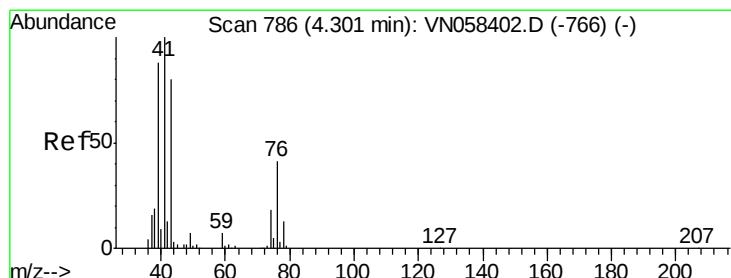
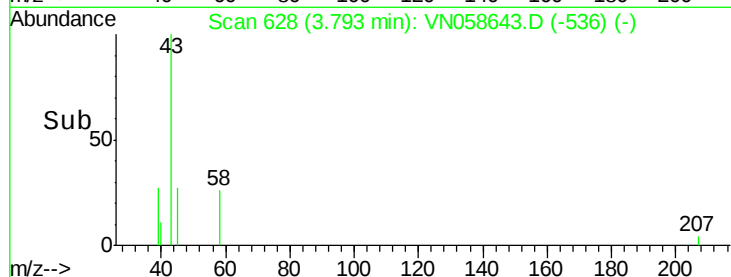
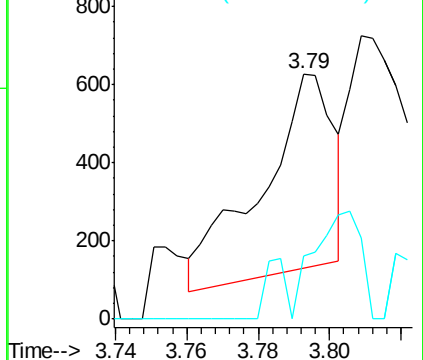
43 100

58 34.2 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058643.D

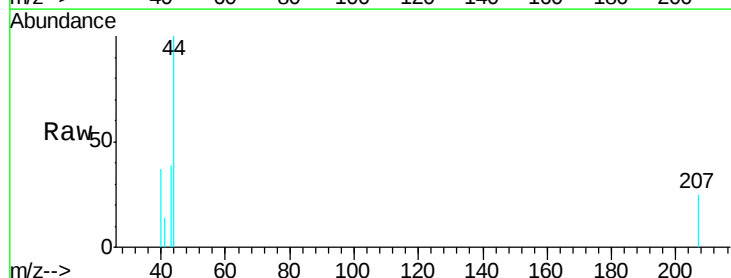
Acq: 9 Oct 2019 16:36

Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

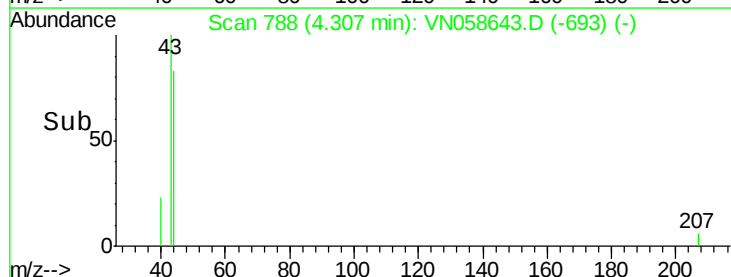
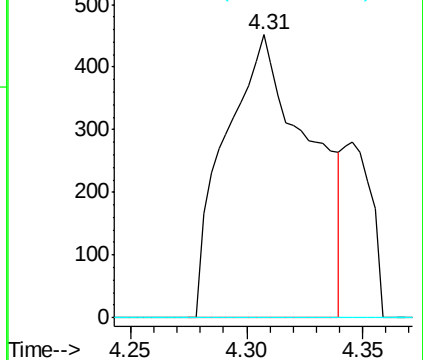
43 100

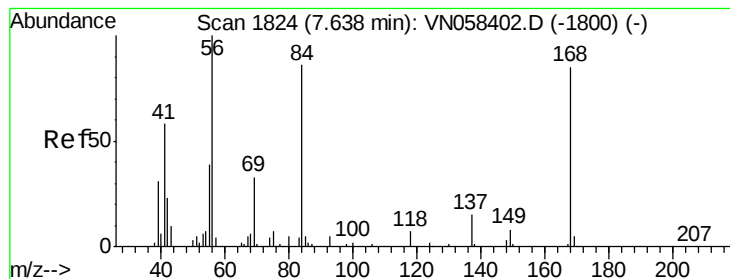
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

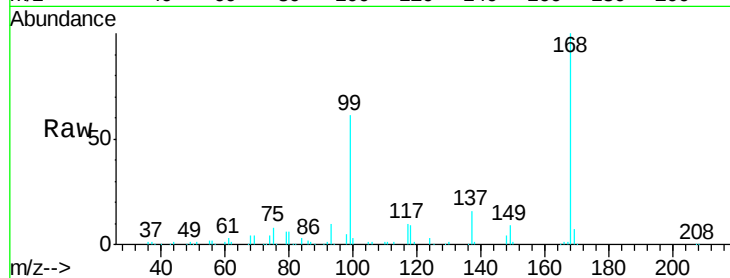
Tgt Ion: 56 Resp: 10177

Ion Ratio Lower Upper

56 100

69 166.2 26.2 39.4#

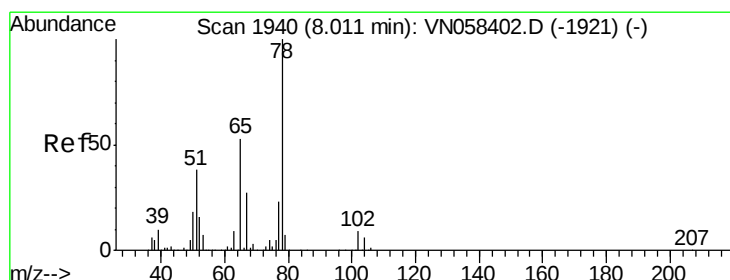
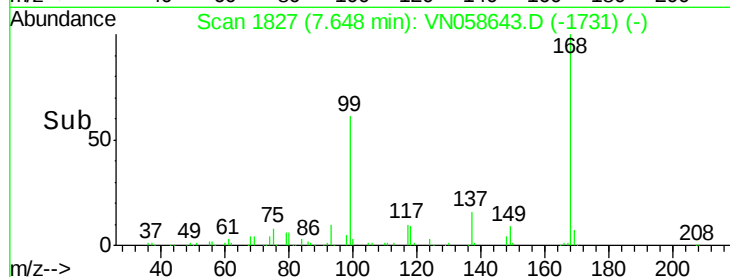
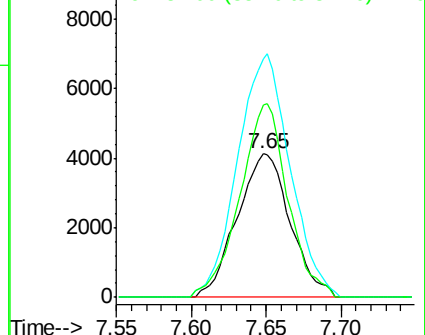
84 133.6 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.056 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058643.D

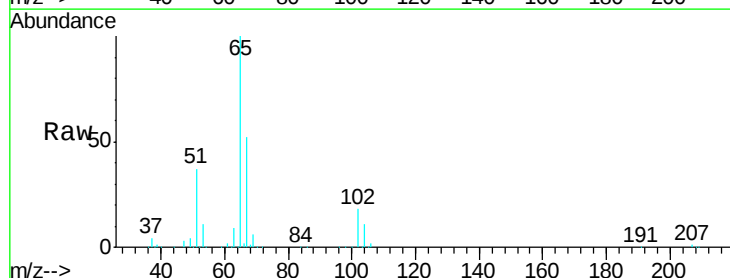
Acq: 9 Oct 2019 16:36

Tgt Ion: 65 Resp: 307778

Ion Ratio Lower Upper

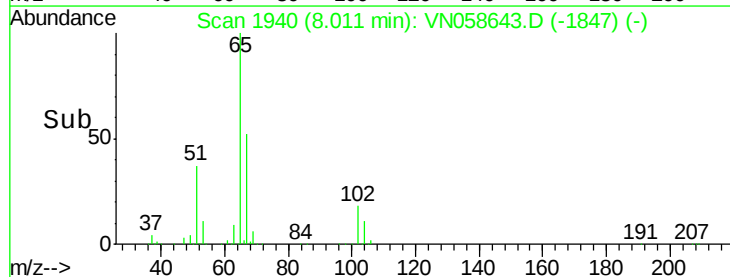
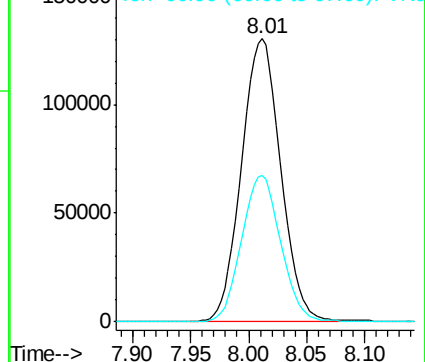
65 100

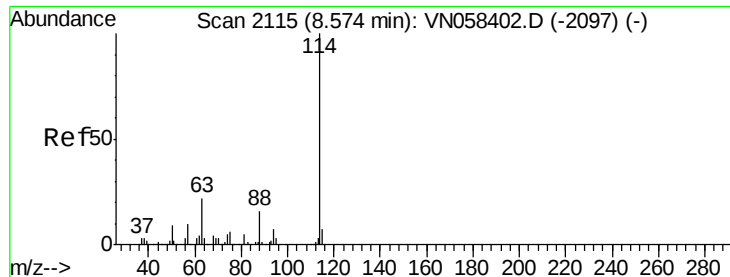
67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

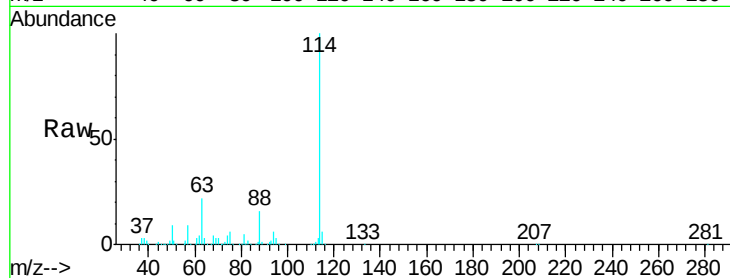




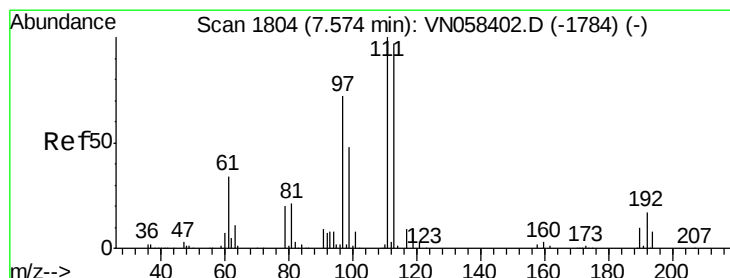
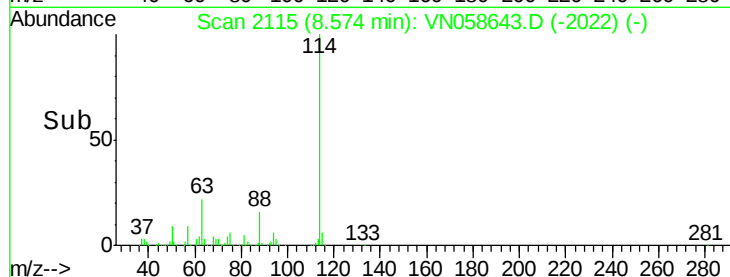
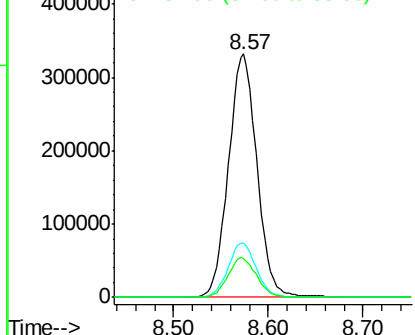
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

Tgt Ion:114 Resp: 694167
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.2 0.0 32.2

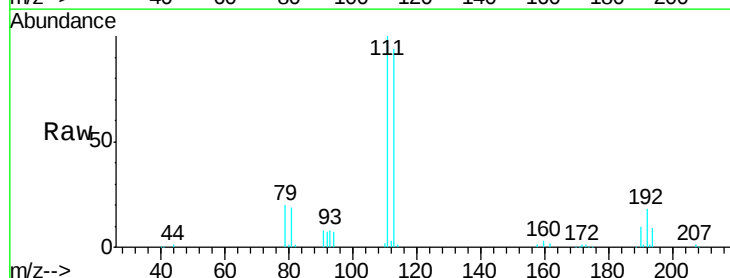


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

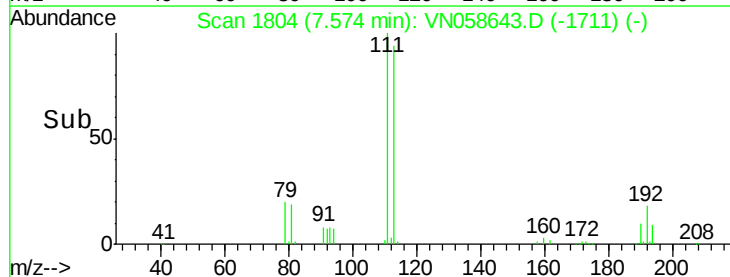
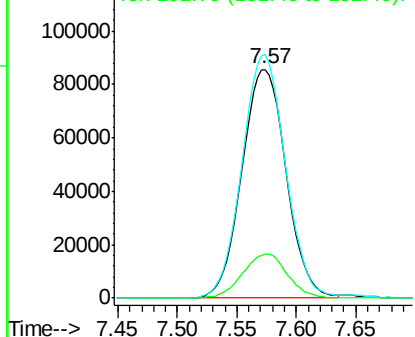


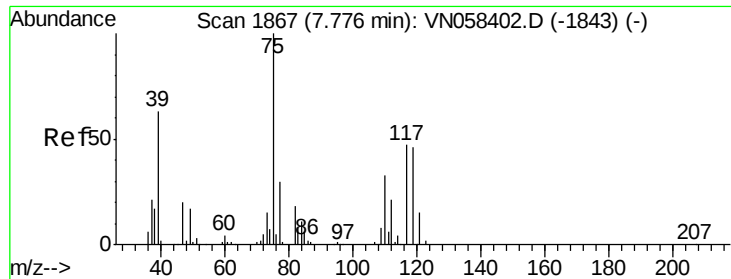
#35
 Dibromofluoromethane
 Concen: 51.804 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

Tgt Ion:113 Resp: 220401
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.4 125.2
 192 19.5 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

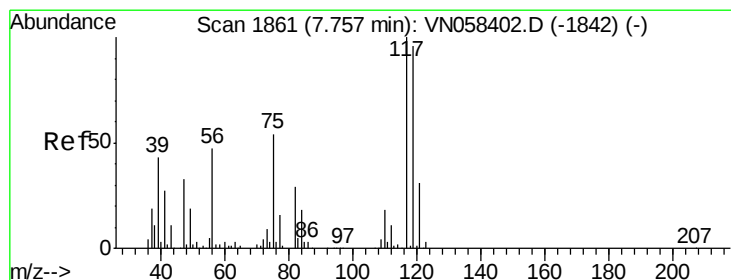
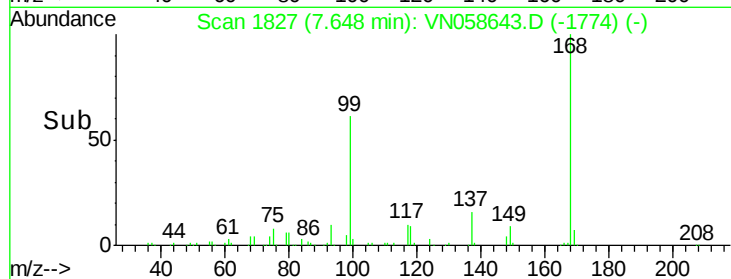
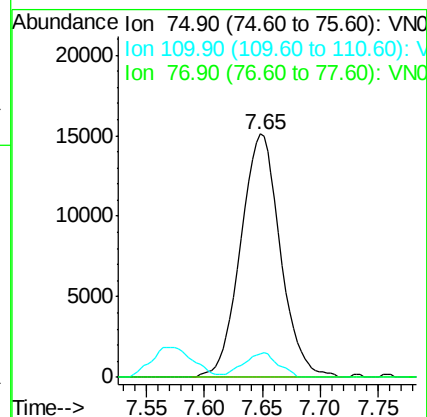
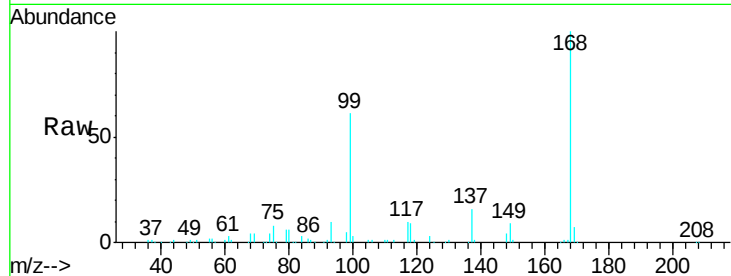




#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

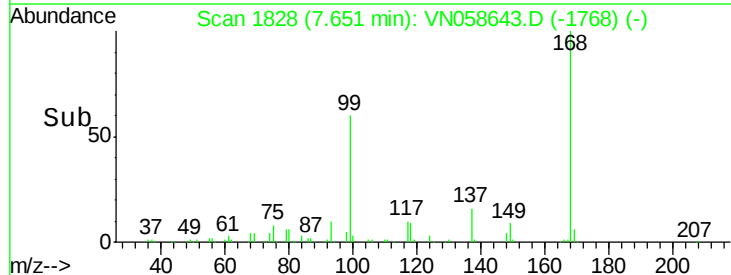
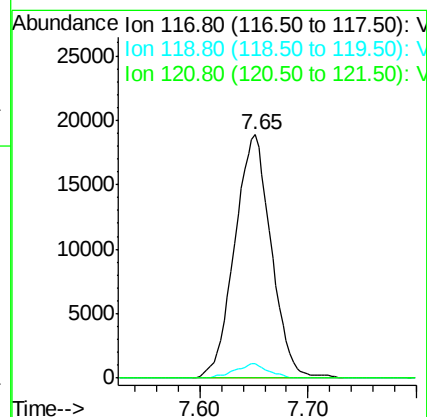
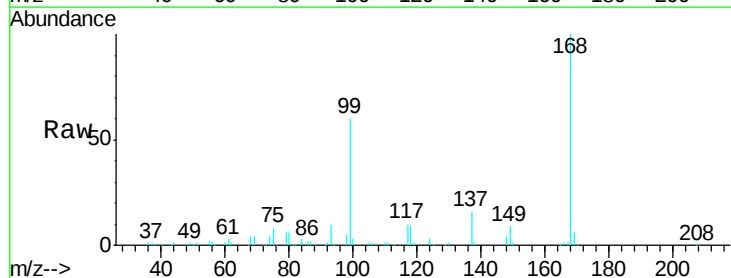
Instrument :
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 VN1010WBL01

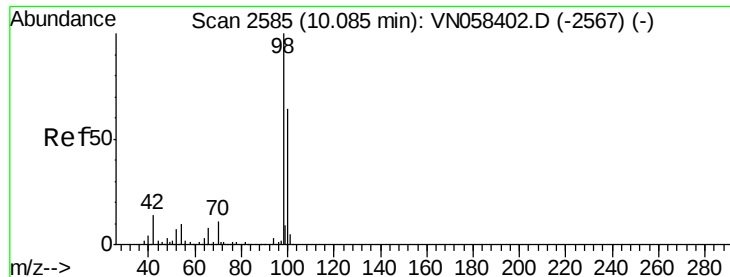
Tgt Ion: 75 Resp: 35960
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.431 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

Tgt Ion: 117 Resp: 44521
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.6 115.0#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.792 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampled :

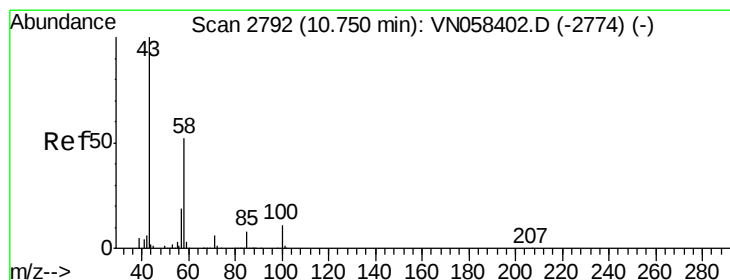
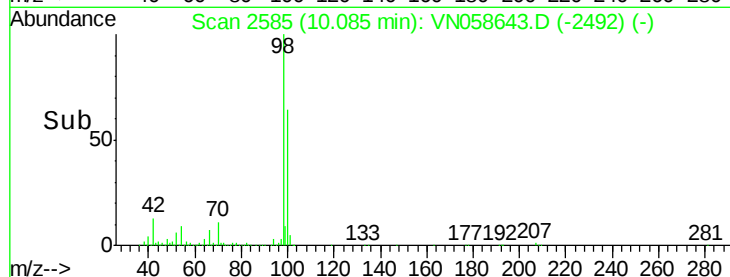
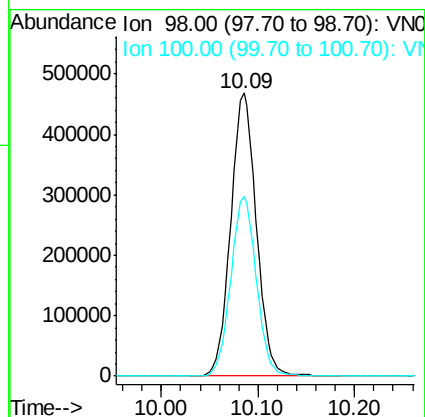
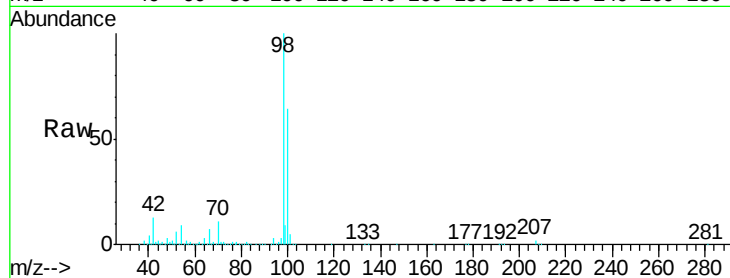
VN1010WBL01

Tgt Ion: 98 Resp: 863203

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



#59

2-Hexanone

Concen: 0.357 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058643.D

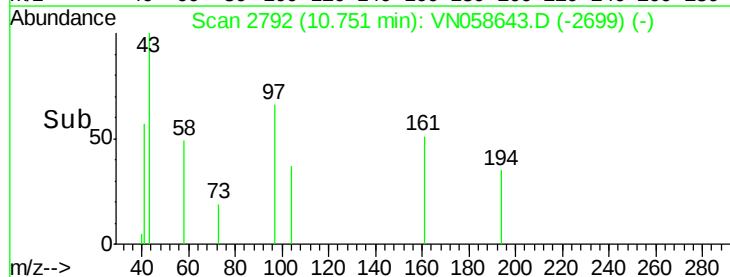
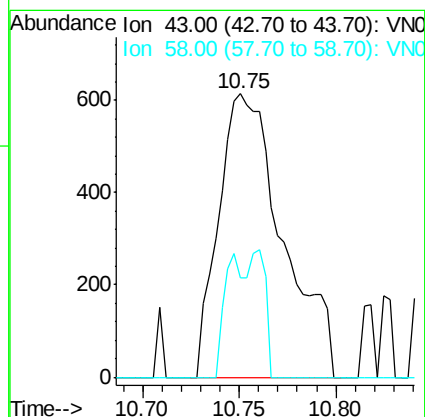
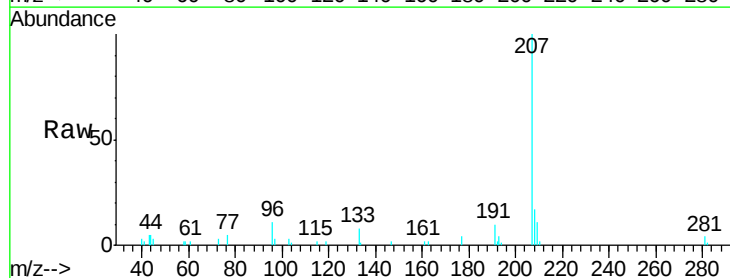
Acq: 9 Oct 2019 16:36

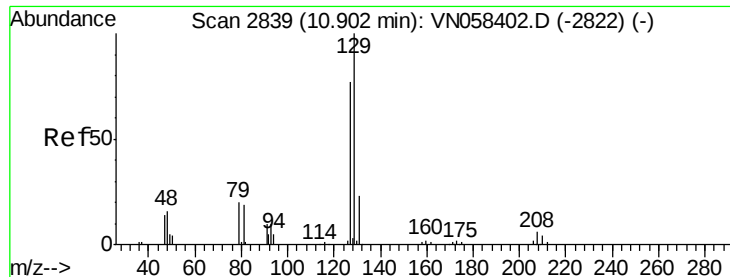
Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 11.9 25.8 77.3#





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

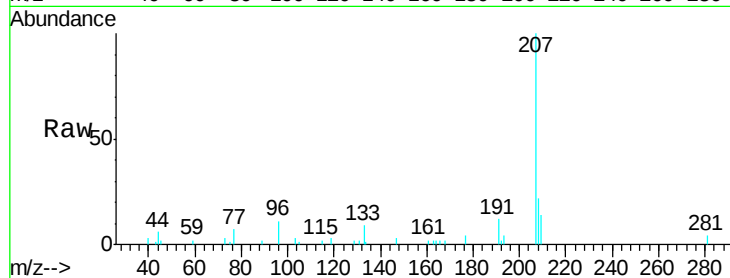
VN1010WBL01

Tgt Ion:129 Resp: 289

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

250

200

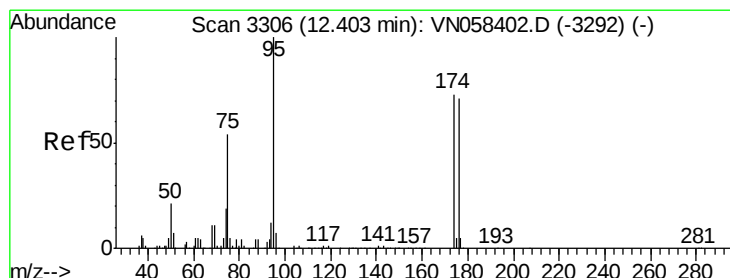
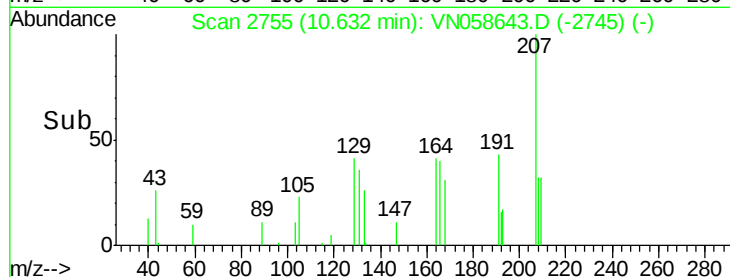
150

100

50

0

Time--> 10.60 10.62 10.64



#62

4-Bromofluorobenzene

Concen: 46.725 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

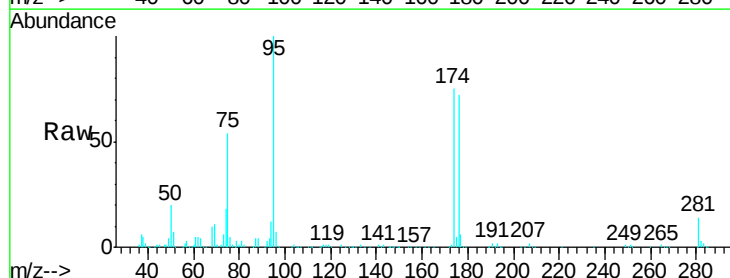
Tgt Ion: 95 Resp: 281582

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.6

176 74.1 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

200000

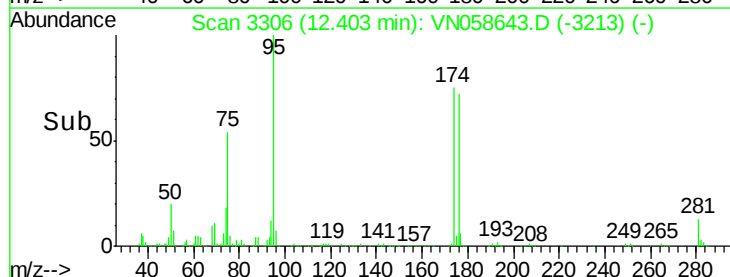
150000

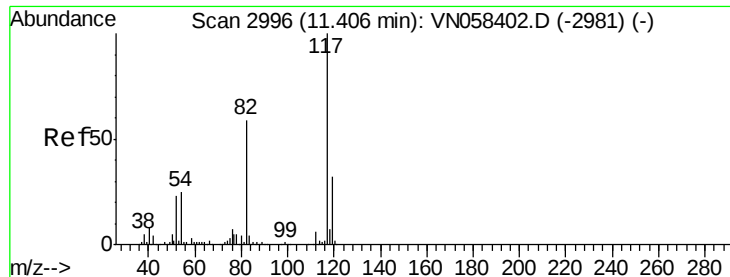
100000

50000

0

Time--> 12.30 12.40 12.50

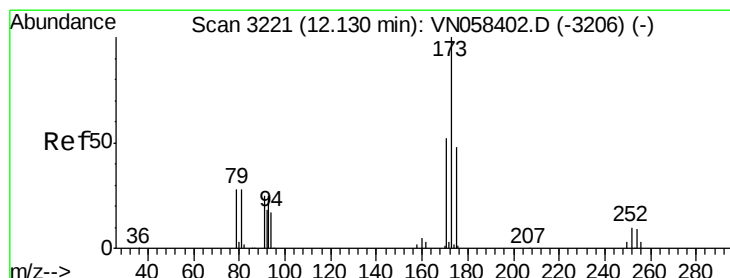
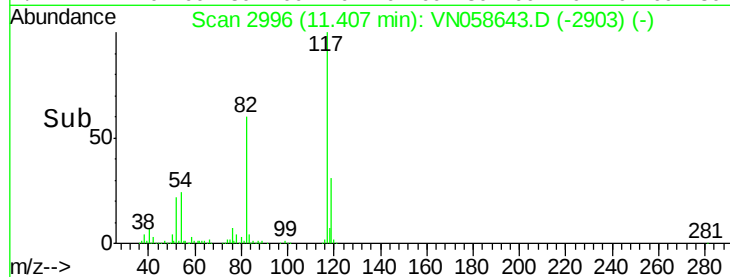
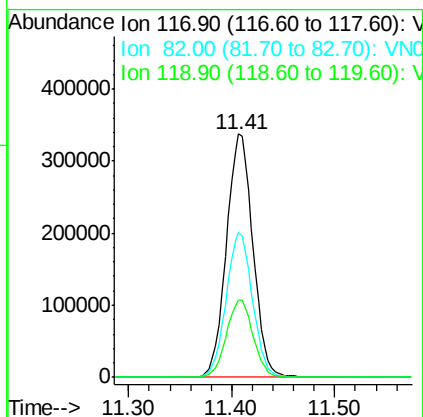
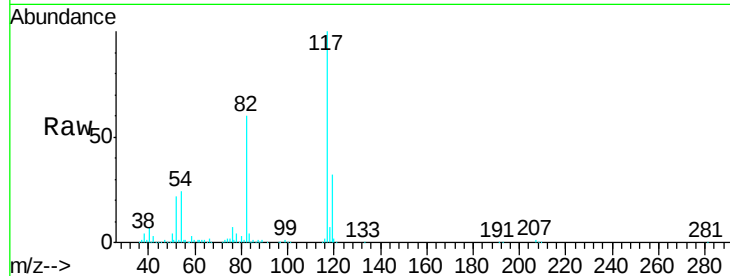




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058643.D
Acq: 9 Oct 2019 16:36

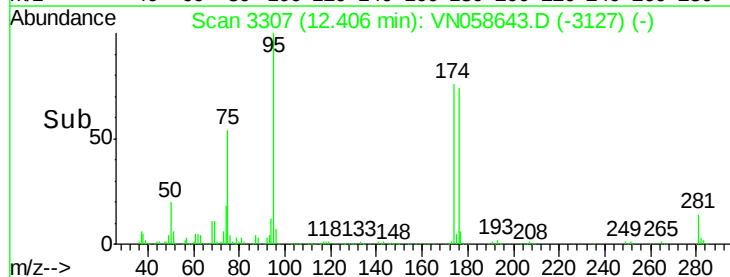
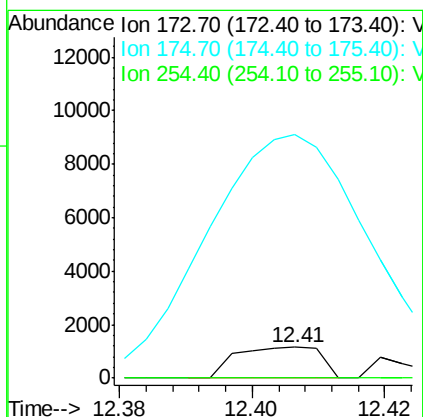
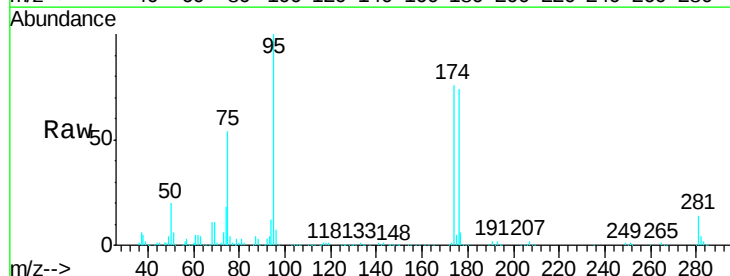
Instrument :
MSVOA_N
ClientSampleId :
VN1010WBL01

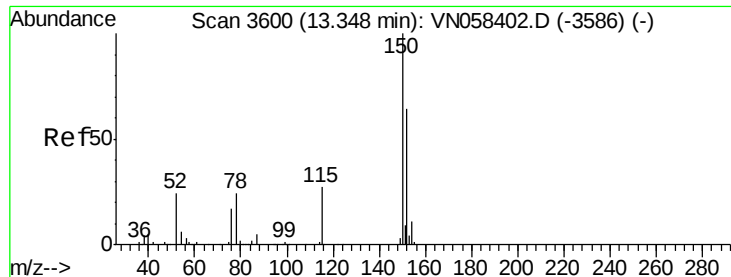
Tgt Ion:117 Resp: 603565
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 31.5 25.5 38.3



#71
Bromoform
Concen: 1.057 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058643.D
Acq: 9 Oct 2019 16:36

Tgt Ion:173 Resp: 1025
Ion Ratio Lower Upper
173 100
175 1322.2 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

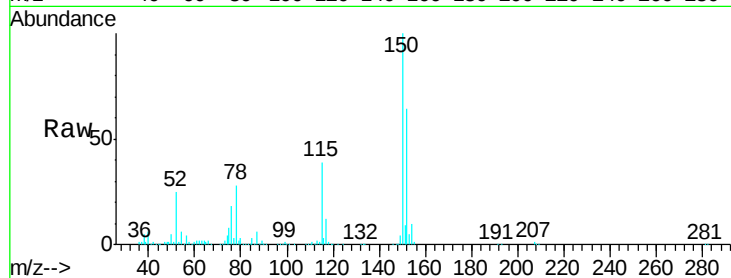
Tgt Ion:152 Resp: 241388

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

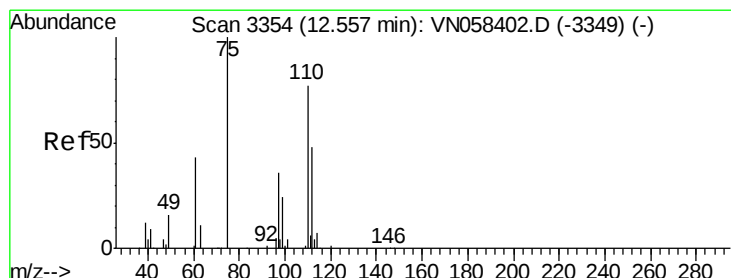
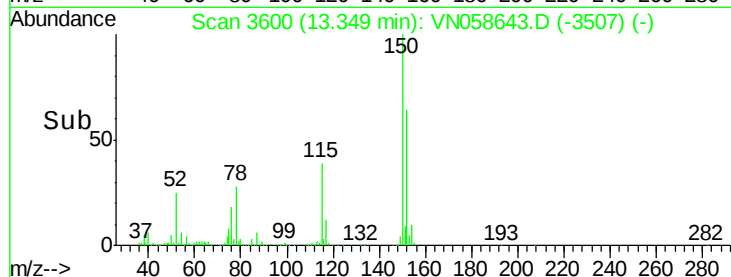
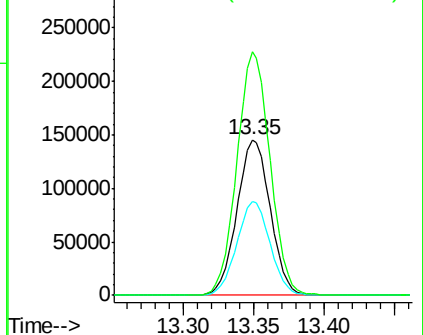
150 155.4 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 34.317 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058643.D

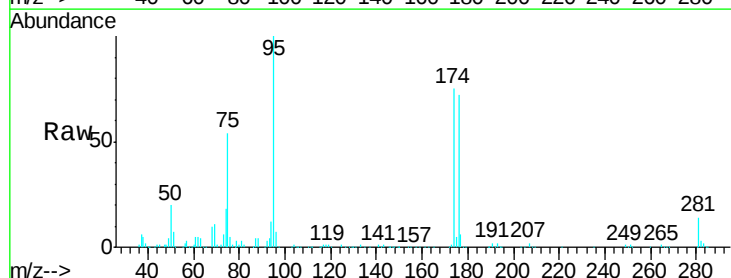
Acq: 9 Oct 2019 16:36

Tgt Ion: 75 Resp: 151303

Ion Ratio Lower Upper

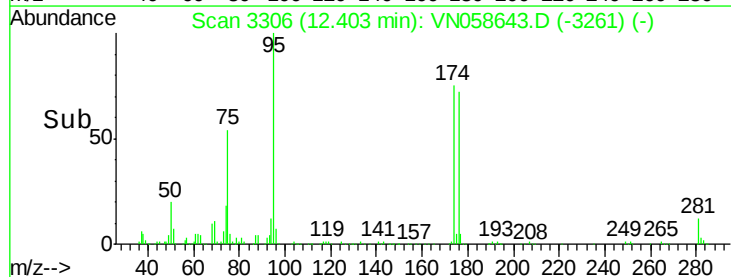
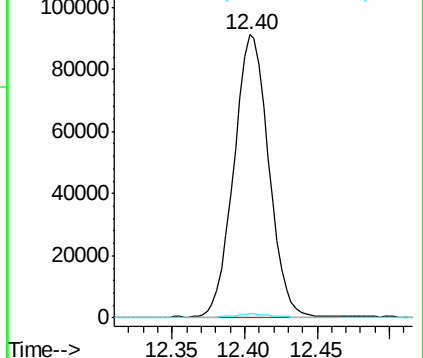
75 100

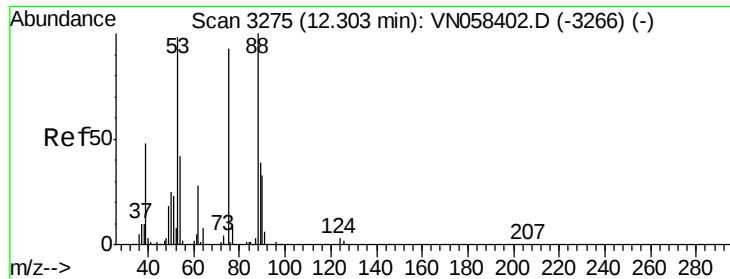
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

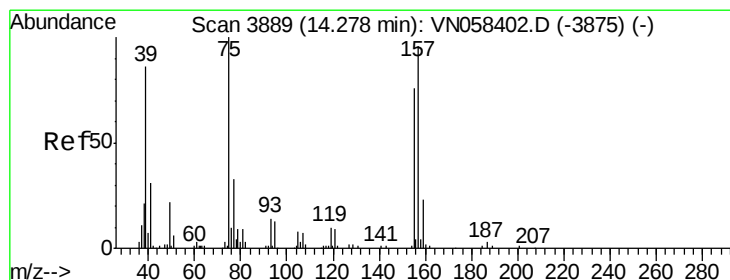
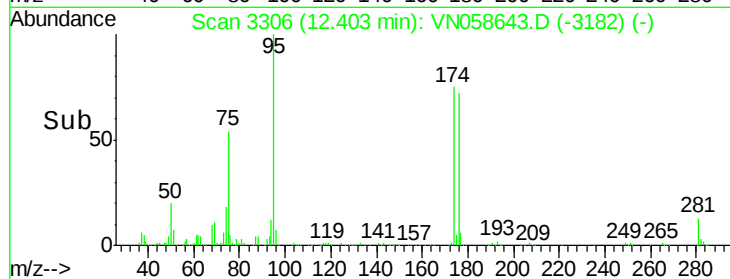
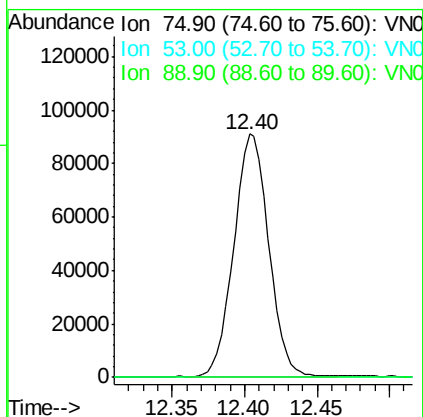
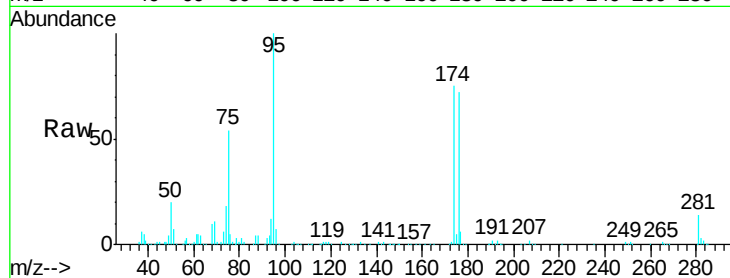




#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.225 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

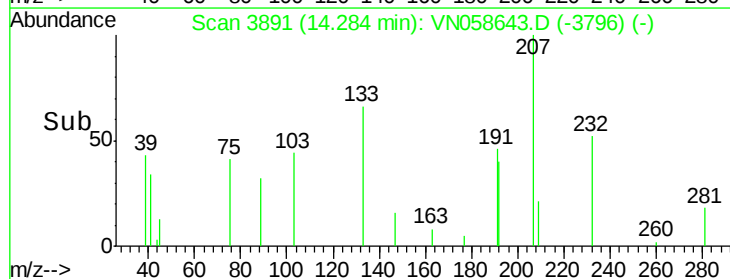
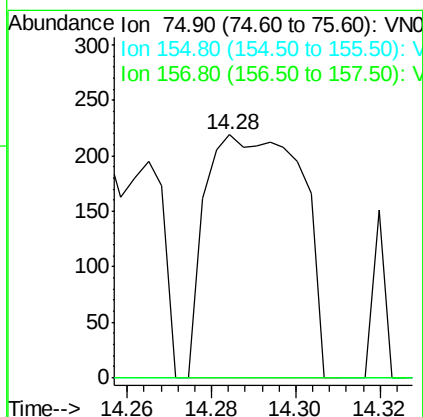
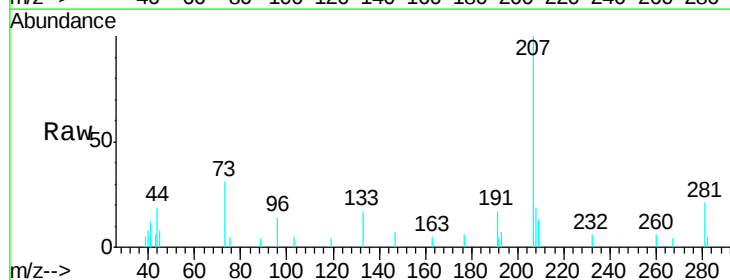
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

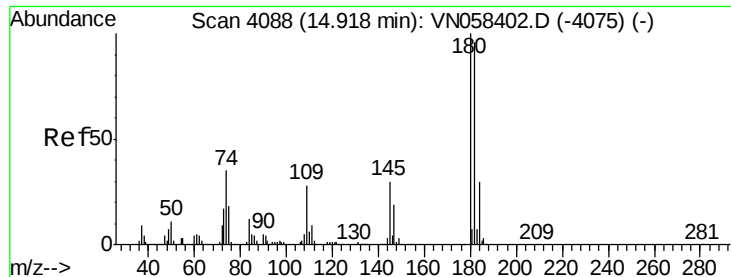
Tgt Ion: 75 Resp: 151303
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.0 35.0 52.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.370 ug/l
 RT: 14.28 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

Tgt Ion: 75 Resp: 344
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 48.7 146.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.312 ug/l

RT: 14.92 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampled :

VN1010WBL01

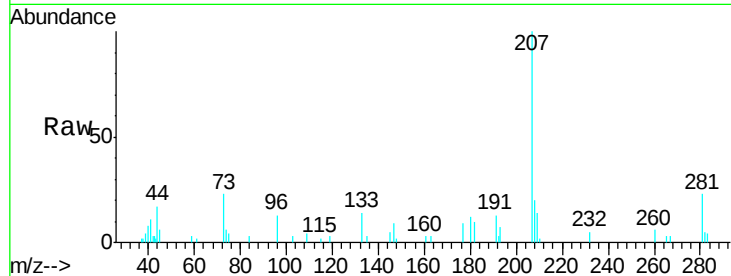
Tgt Ion:180 Resp: 1257

Ion Ratio Lower Upper

180 100

182 91.2 47.4 142.3

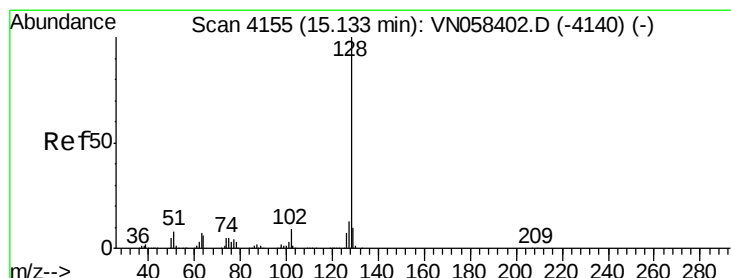
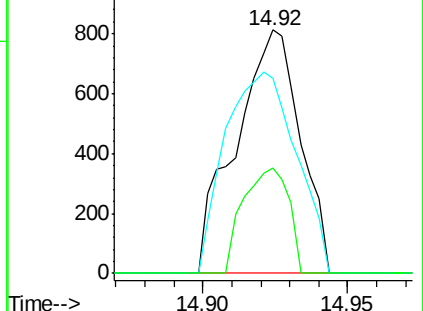
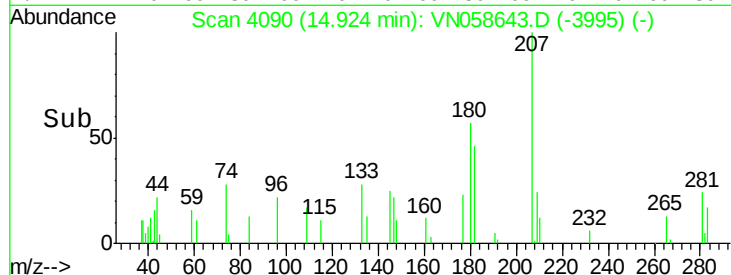
145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.428 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058643.D

Acq: 9 Oct 2019 16:36

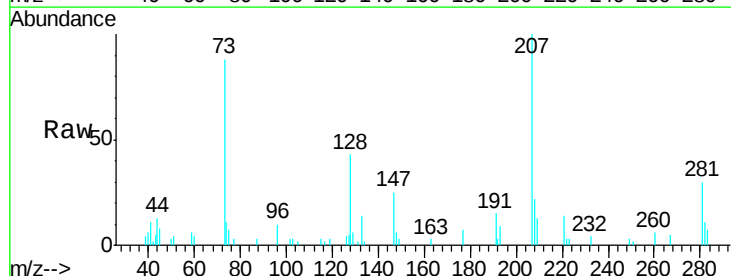
Tgt Ion:128 Resp: 5393

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

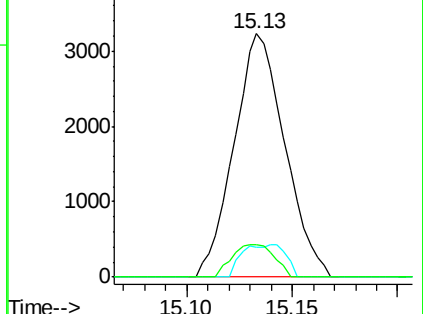
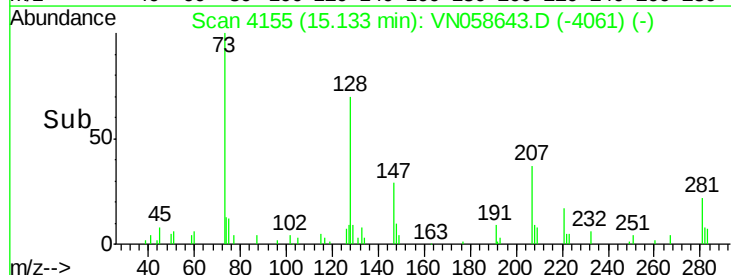
129 11.0 8.3 12.5

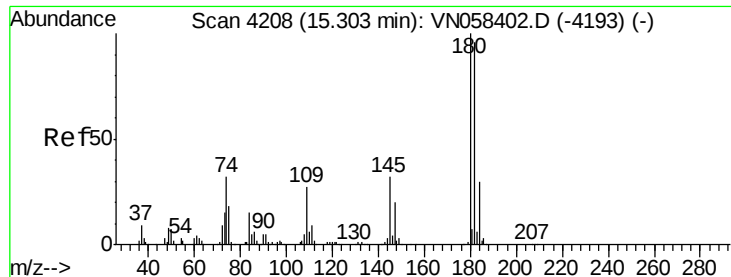


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.333 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058643.D
 Acq: 9 Oct 2019 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.3	144.9
145	18.9	16.1	48.3

