

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058908.D
 Acq On : 22 Oct 2019 15:02
 Operator : JC/SP
 Sample : VN1023WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 01:21:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	54978	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	284158	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	254470	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.01	65	149303	32.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.67%
60) 4-Bromofluorobenzene	12.40	95	105911	23.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.30%
63) Toluene-d8	10.08	98	359920	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

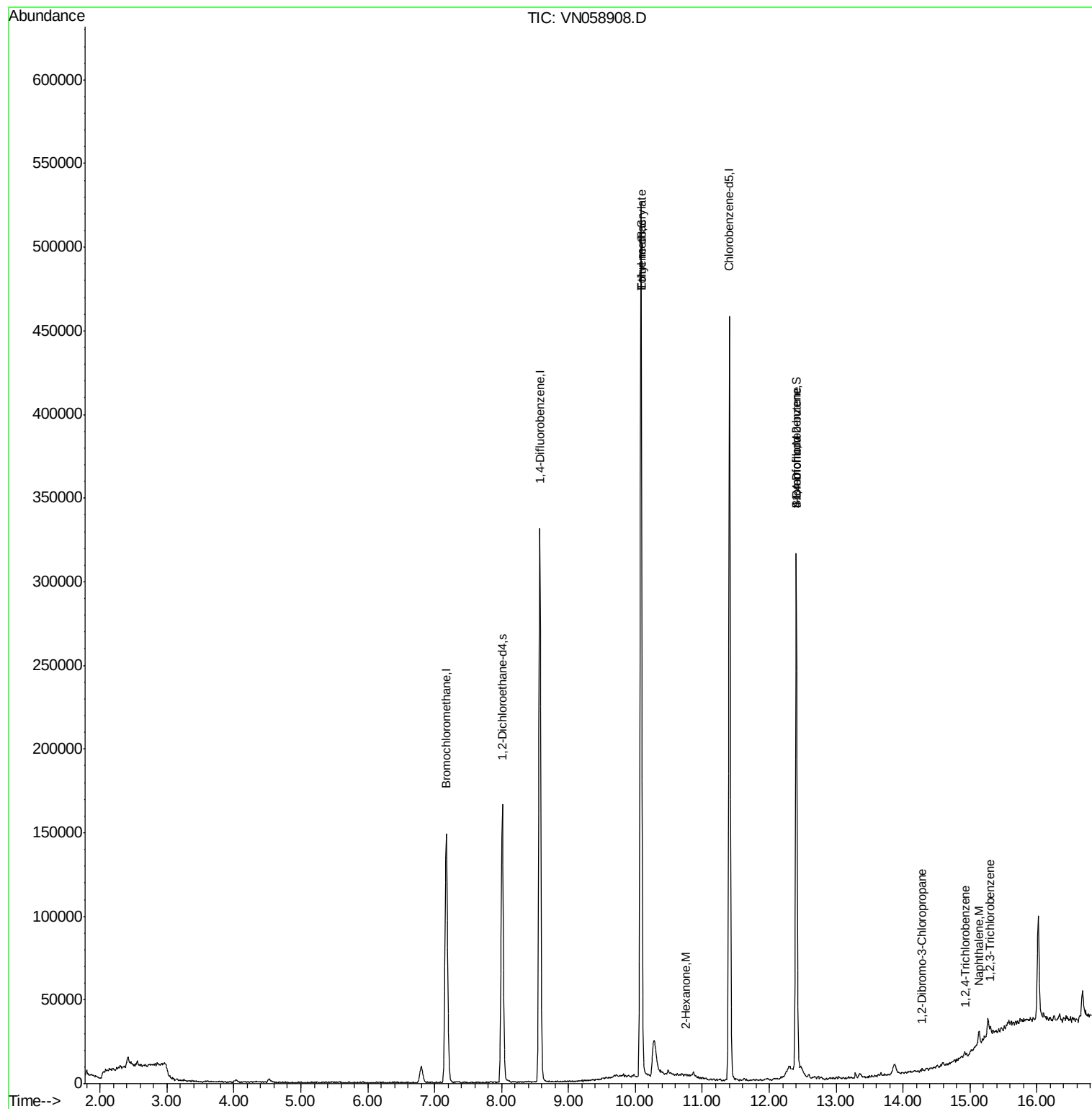
Target Compounds					Ovalue
51) Ethyl methacrylate	10.08	69	1281	0.247 ug/l #	56
56) Bromoform	12.41	173	850	0.351 ug/l #	1
59) 2-Hexanone	10.75	43	911	0.250 ug/l #	60
77) t-1,4-Dichloro-2-butene	12.40	75	57208	33.215 ug/l #	10
88) 1,2-Dibromo-3-Chloropropan	14.28	75	244	0.220 ug/l #	7
89) 1,2,4-Trichlorobenzene	14.92	180	845	0.208 ug/l #	86
91) Naphthalene	15.14	128	3831	0.320 ug/l #	92
92) 1,2,3-Trichlorobenzene	15.30	180	1635	0.414 ug/l	78

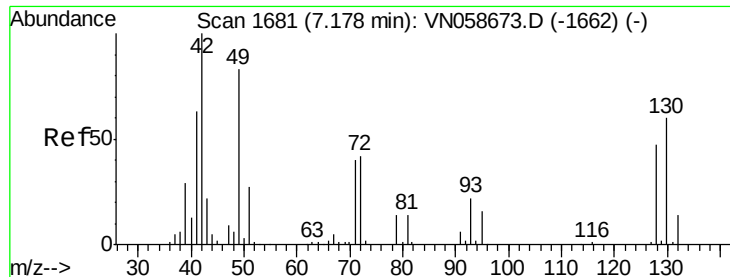
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102319\
Data File : VN058908.D
Acq On : 22 Oct 2019 15:02
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 23 01:21:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 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: VN058908.D

Acq: 22 Oct 2019 15:02

Instrument :
MSVOA_N
ClientSampled :

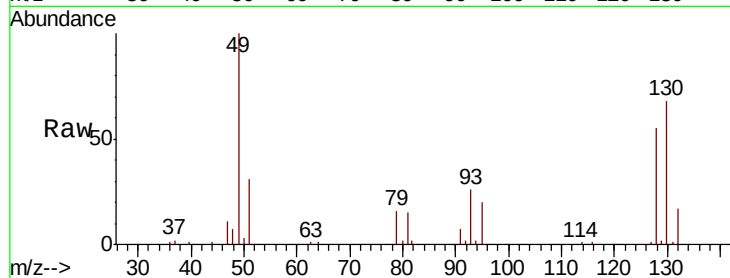
Tot Ion:128 Resp: 54978

Ion Ratio Lower Upper

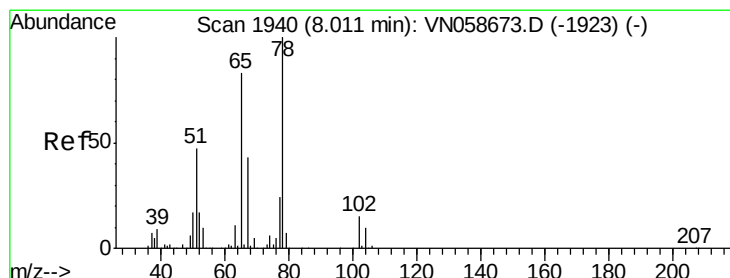
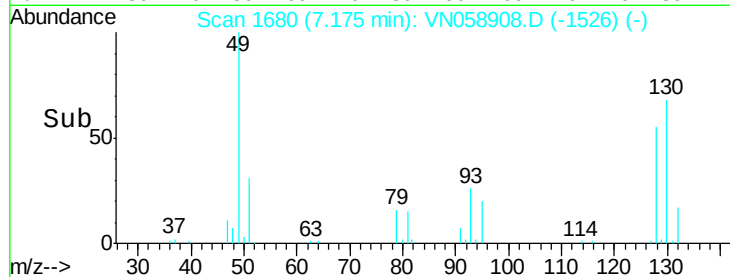
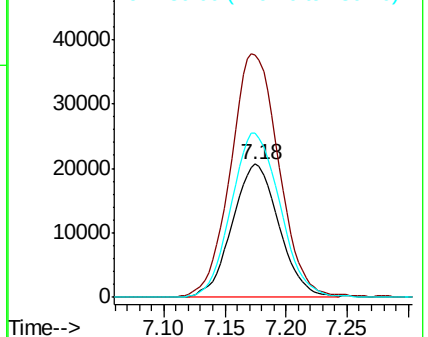
128 100

49 188.8 0.0 453.5

130 128.7 0.0 314.2



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



#27

1,2-Dichloroethane-d4

Concen: 31.997 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058908.D

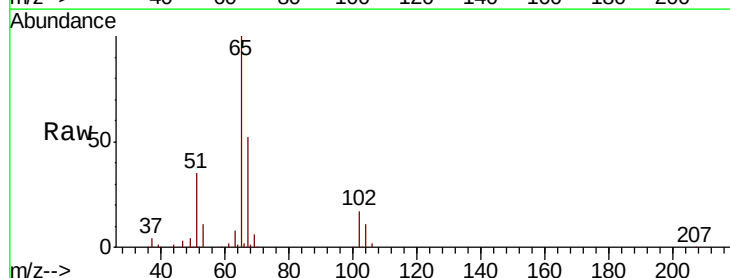
Acq: 22 Oct 2019 15:02

Tgt Ion: 65 Resp: 149303

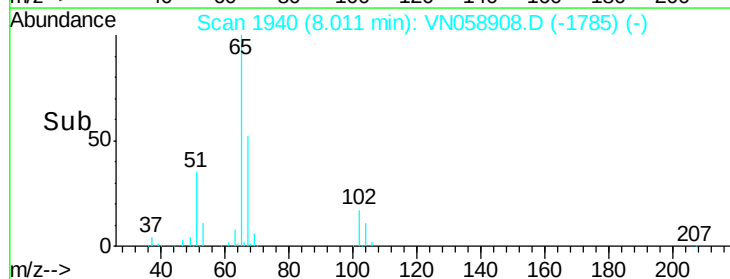
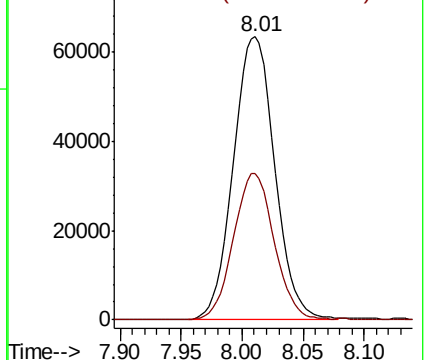
Ion Ratio Lower Upper

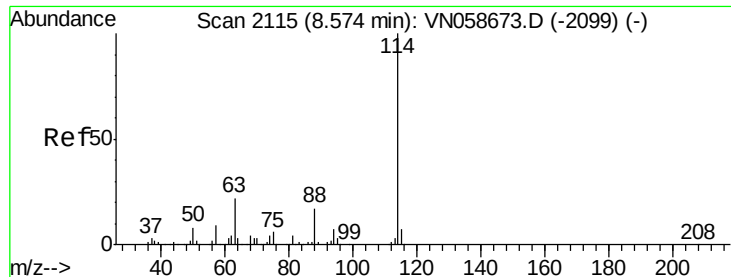
65 100

67 50.8 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN0
Ion 67.00 (66.70 to 67.70): VN0

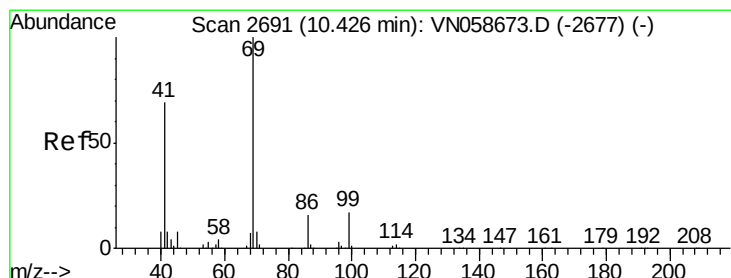
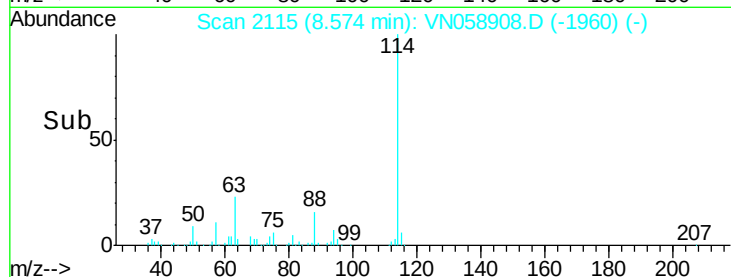
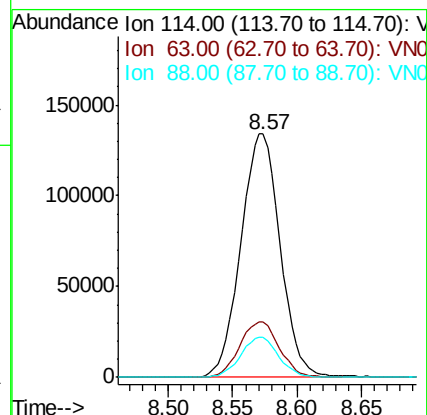
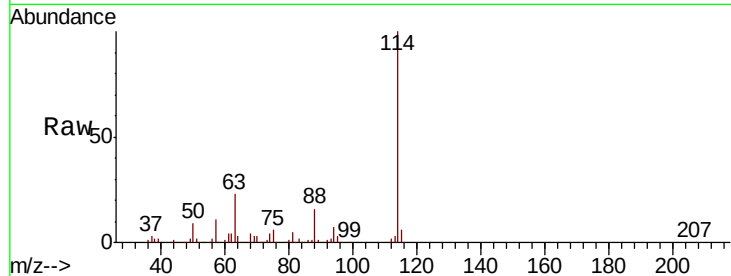




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058908.D
 Acq: 22 Oct 2019 15:02

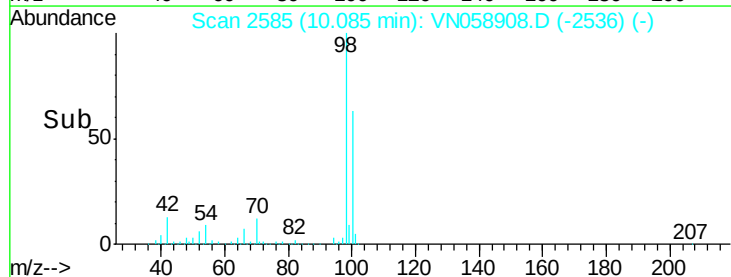
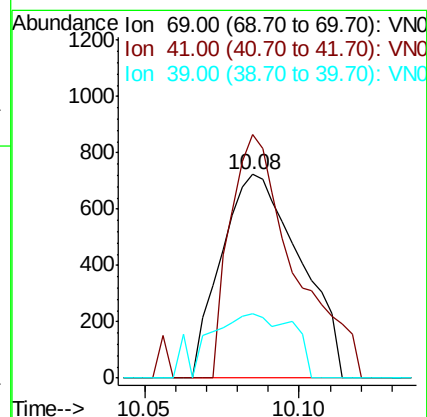
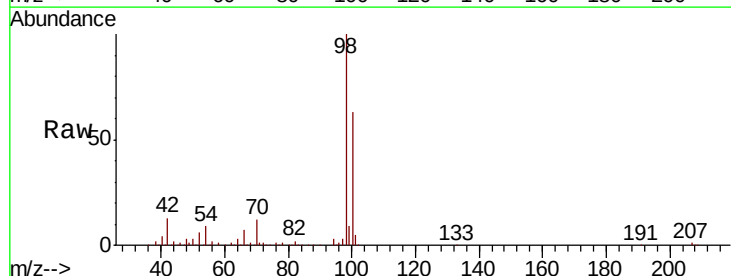
Instrument :
 MSVOA_N
 ClientSampleId :

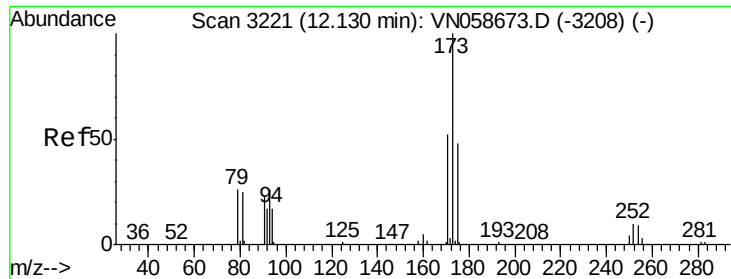
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.1	27.1
88	15.9	13.0	19.4



#51
 Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.34 min
 Lab File: VN058908.D
 Acq: 22 Oct 2019 15:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	119.6	34.7	104.1#
39	32.0	20.3	60.8





#56

Bromoform

Concen: 0.351 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

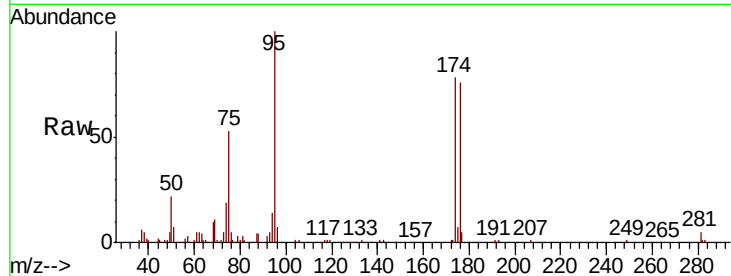
Tot Ion:173 Resp: 850

Ion Ratio Lower Upper

173 100

175 713.9 38.7 58.1#

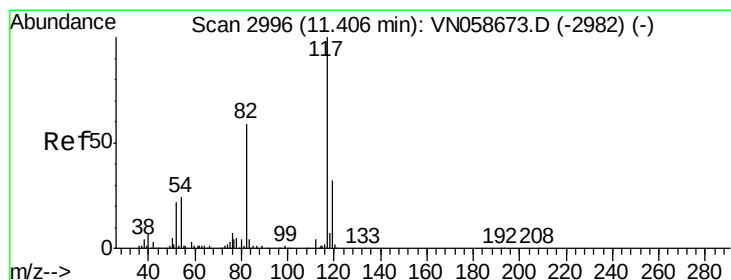
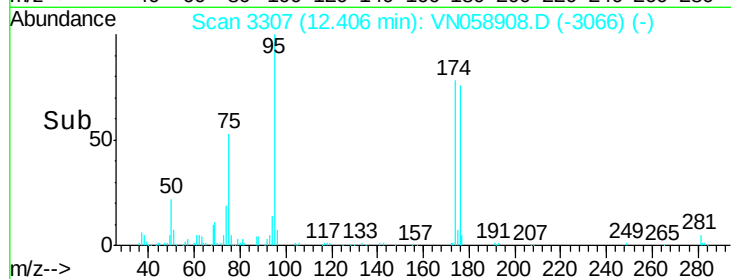
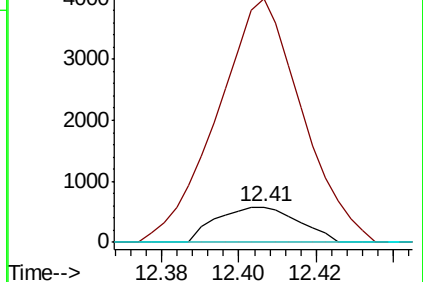
254 0.0 7.4 11.2#



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: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

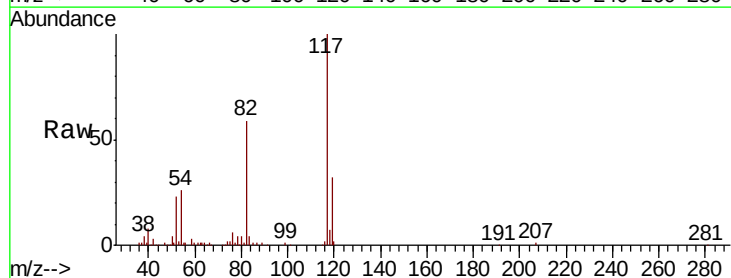
Tgt Ion:117 Resp: 254470

Ion Ratio Lower Upper

117 100

82 58.6 46.9 70.3

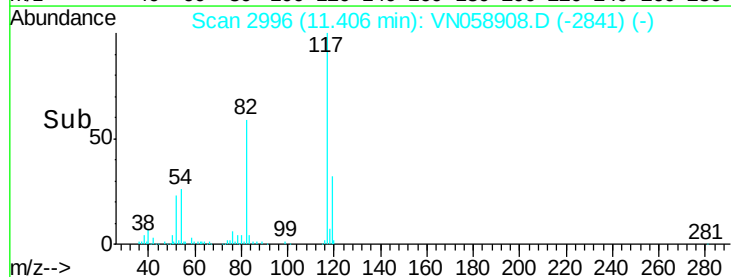
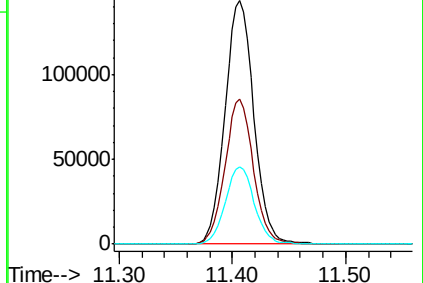
119 32.0 25.8 38.6

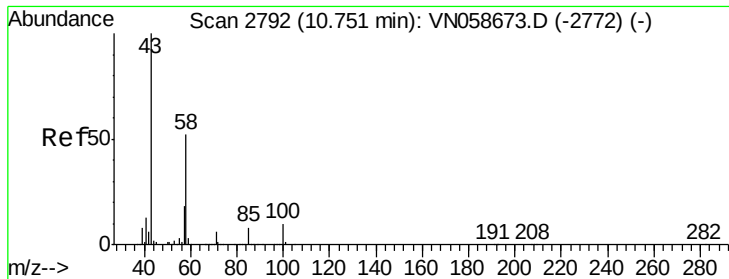


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

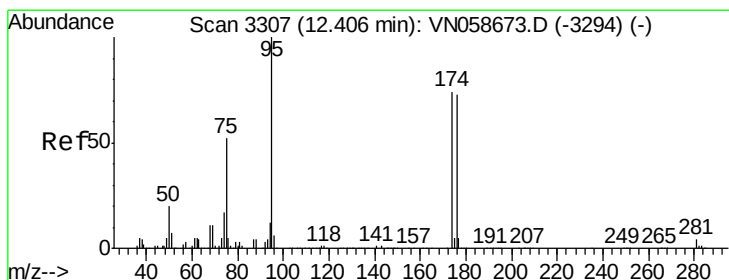
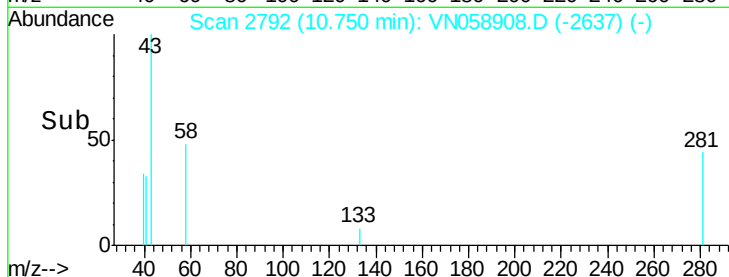
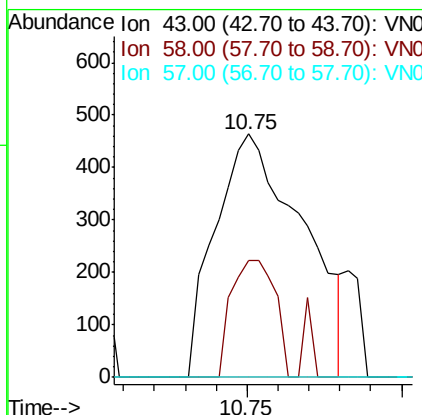
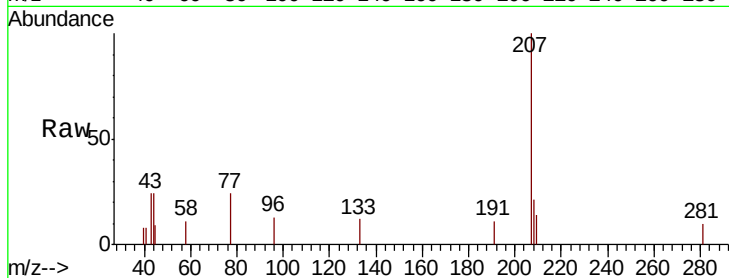




#59
2-Hexanone
Concen: 0.250 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058908.D
Acq: 22 Oct 2019 15:02

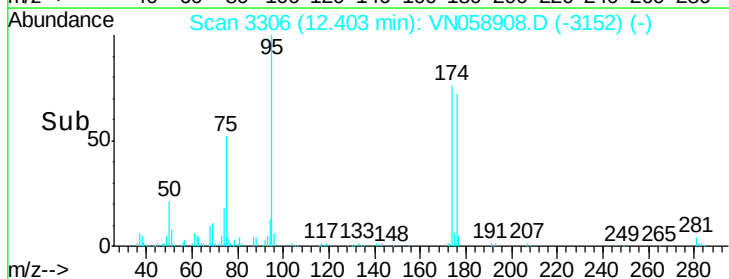
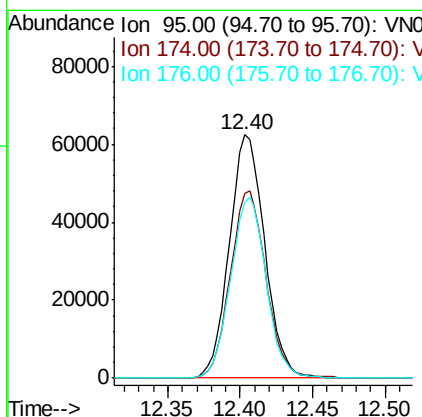
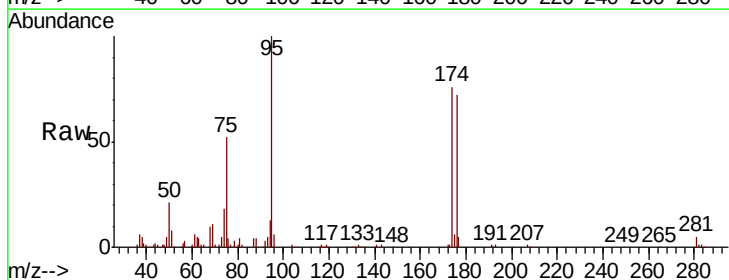
Instrument :
MSVOA_N
ClientSampled :

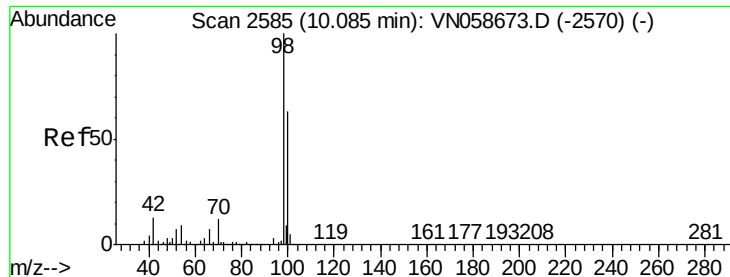
Tot Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 24.0 41.4 62.0#
57 0.0 14.7 22.1#



#60
4-Bromofluorobenzene
Concen: 23.793 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058908.D
Acq: 22 Oct 2019 15:02

Tgt Ion: 95 Resp: 105911
Ion Ratio Lower Upper
95 100
174 77.4 59.9 89.9
176 74.4 58.3 87.5





#63

Toluene-d8

Concen: 29.956 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

Instrument :

MSVOA_N

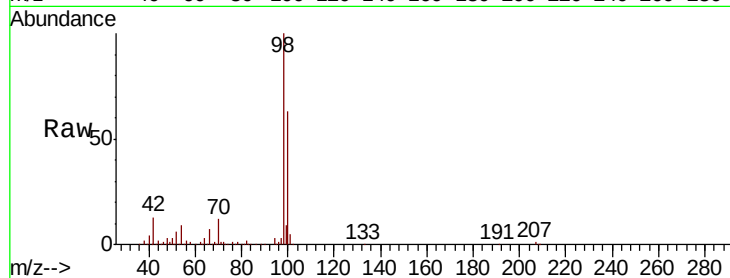
ClientSampleId :

Tot Ion: 98 Resp: 359920

Ion Ratio Lower Upper

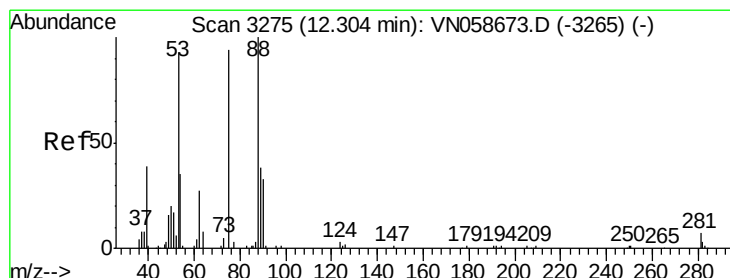
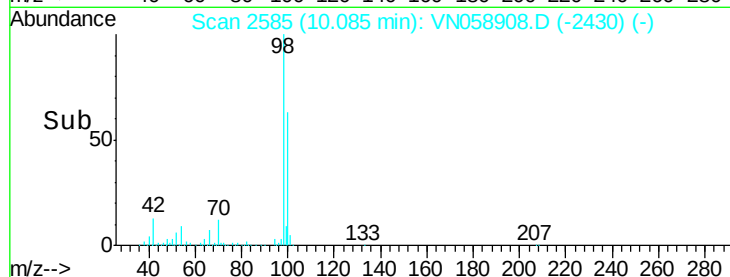
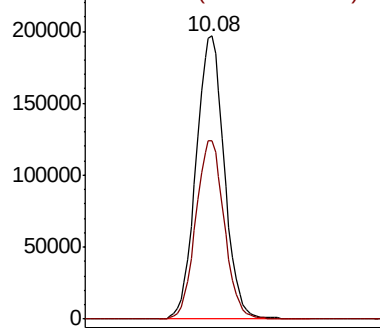
98 100

100 63.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#77

t-1,4-Dichloro-2-butene

Concen: 33.215 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

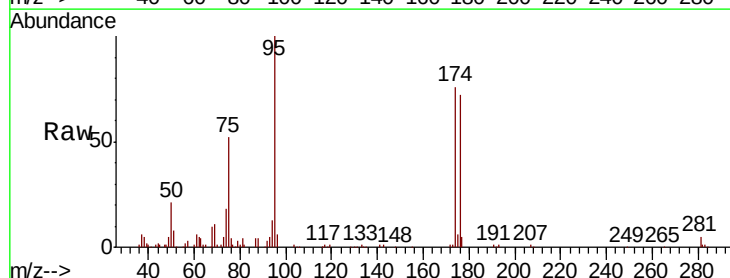
Tgt Ion: 75 Resp: 57208

Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

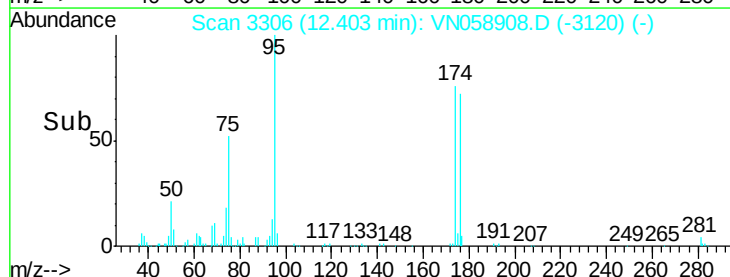
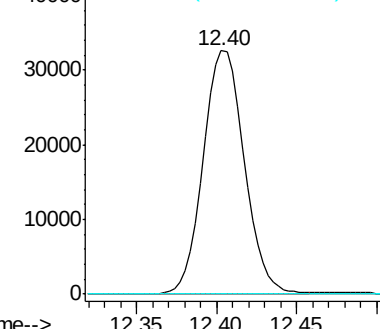
89 0.0 20.7 62.1#

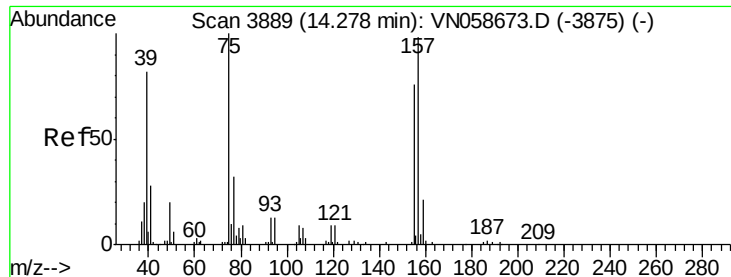


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.220 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

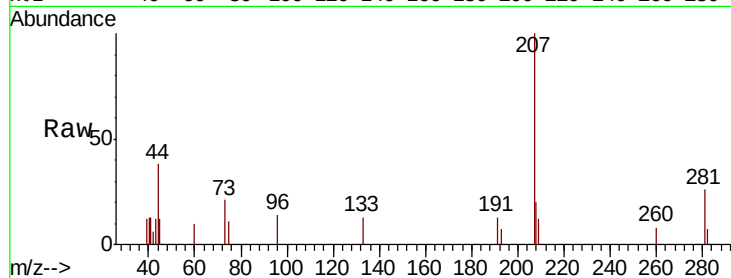
Tot Ion: 75 Resp: 244

Ion Ratio Lower Upper

75 100

155 0.0 58.3 87.5#

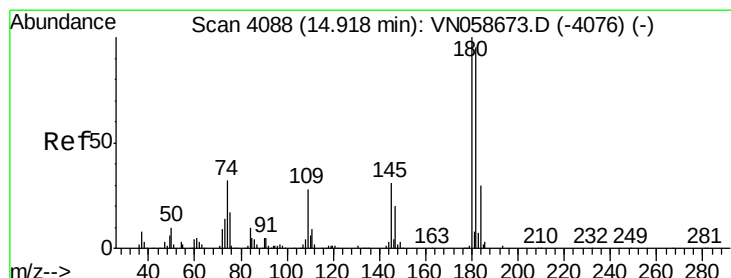
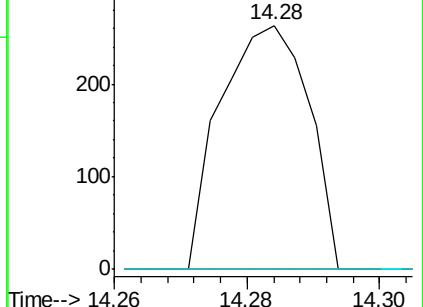
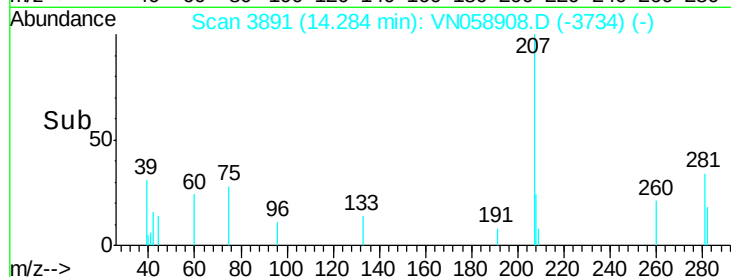
157 0.0 75.0 112.6#



Abundance Ion 75.00 (74.70 to 75.70): VN058908.D (-3734) (-)

Ion 155.00 (154.70 to 155.70): VN058908.D (-3734) (-)

Ion 157.00 (156.70 to 157.70): VN058908.D (-3734) (-)



#89

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

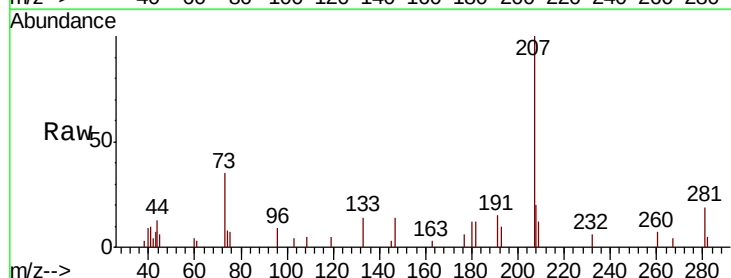
Tgt Ion: 180 Resp: 845

Ion Ratio Lower Upper

180 100

182 100.7 75.3 112.9

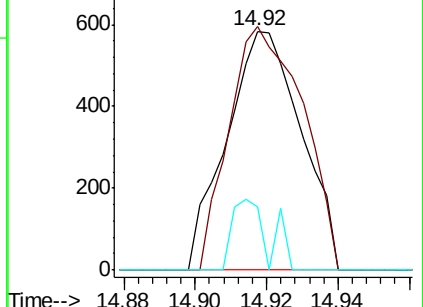
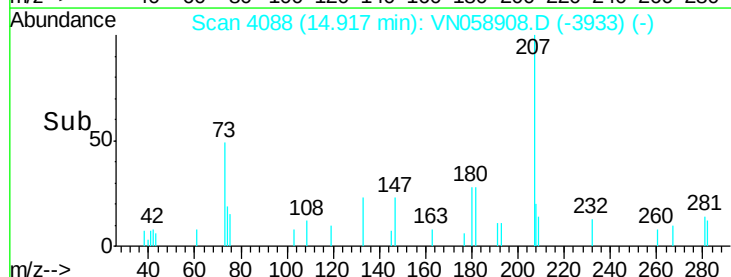
145 11.0 24.8 37.2#

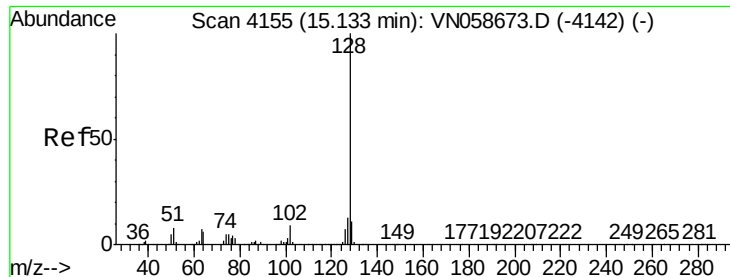


Abundance Ion 180.00 (179.70 to 180.70): VN058908.D (-3933) (-)

Ion 182.00 (181.70 to 182.70): VN058908.D (-3933) (-)

Ion 145.00 (144.70 to 145.70): VN058908.D (-3933) (-)





#91

Naphthalene

Concen: 0.320 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

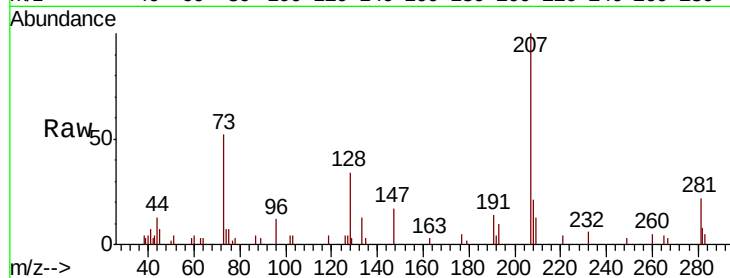
Tot Ion:128 Resp: 3831

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

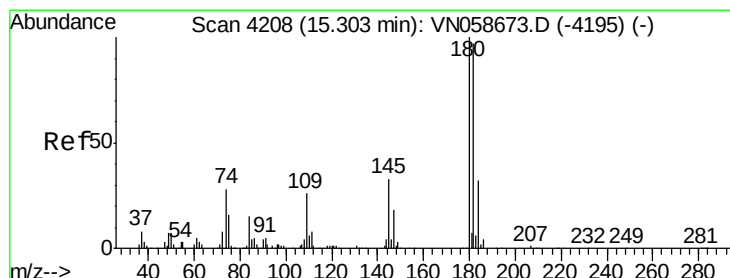
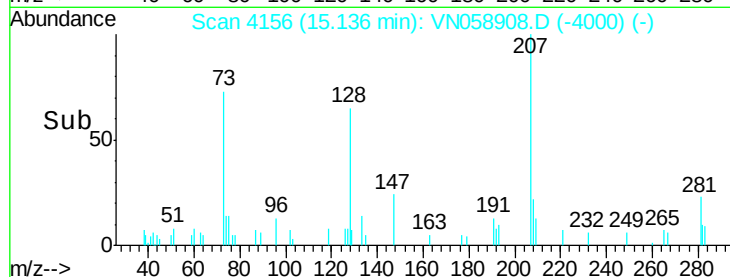
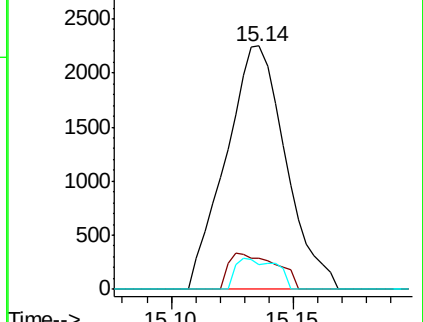
129 5.1 8.6 13.0#



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: 0.414 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058908.D

Acq: 22 Oct 2019 15:02

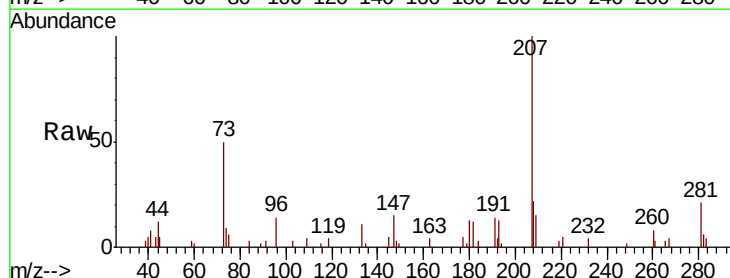
Tgt Ion:180 Resp: 1635

Ion Ratio Lower Upper

180 100

182 81.2 0.0 193.4

145 10.6 0.0 65.8



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

