

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059117.D
 Acq On : 7 Nov 2019 13:20
 Operator : JC/SP
 Sample : K5704-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-19-WW-TSF-039

Quant Time: Nov 08 01:10:14 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	7.17	128	72457	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	387620	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	334297	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	175377	28.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.07%
60) 4-Bromofluorobenzene	12.40	95	141729	24.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.80%
63) Toluene-d8	10.08	98	472197	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

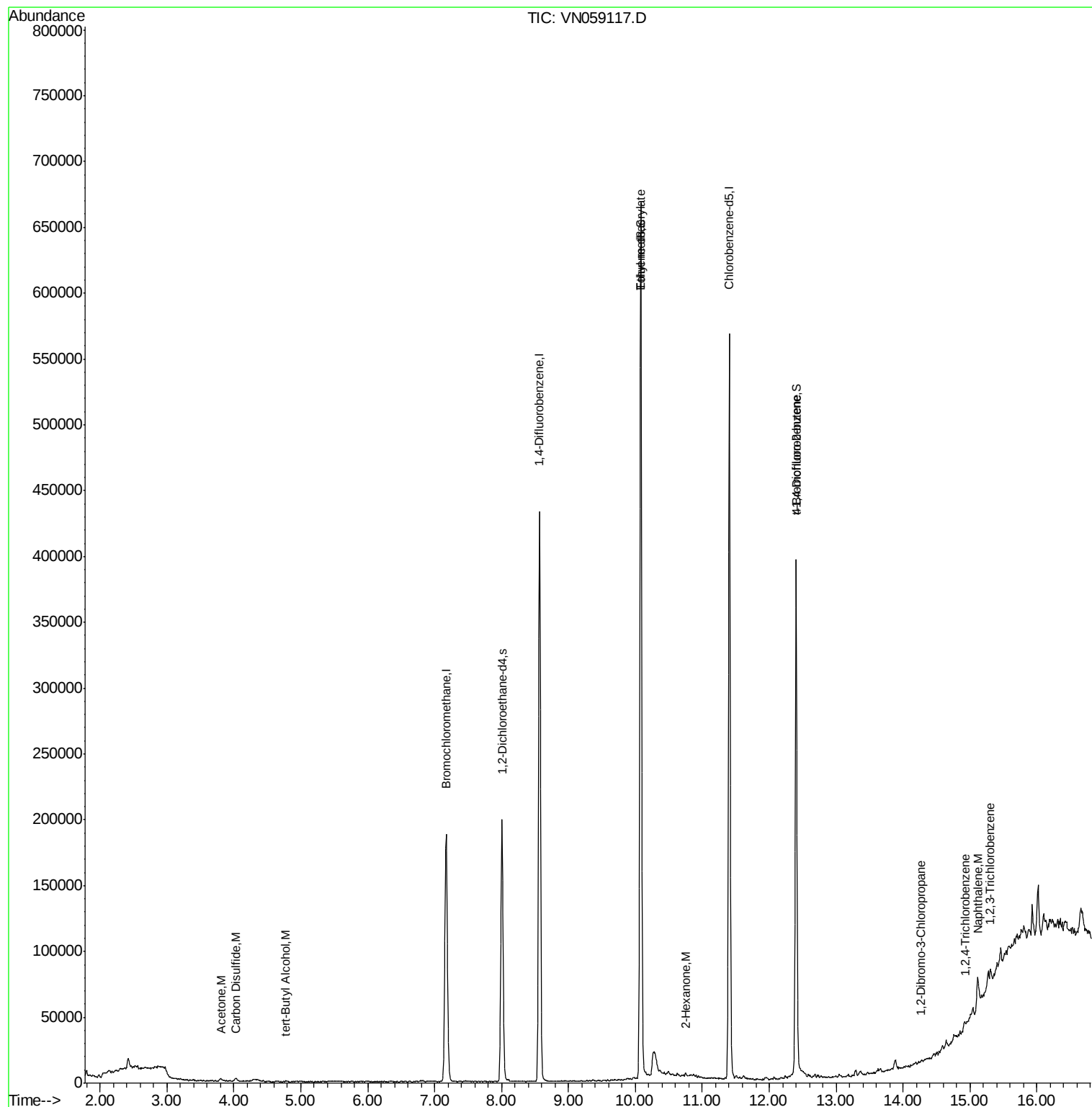
					Ovalue	
15) Acetone	3.82	58	710	1.001	ug/l #	1
16) Carbon Disulfide	4.03	76	3975	0.359	ug/l #	86
23) tert-Butyl Alcohol	4.77	59	289	0.296	ug/l #	100
51) Ethyl methacrylate	10.08	69	1540	0.218	ug/l	95
59) 2-Hexanone	10.75	43	1971	0.412	ug/l #	79
77) t-1,4-Dichloro-2-butene	12.40	75	71059	31.405	ug/l #	10
88) 1,2-Dibromo-3-Chloropropan	14.27	75	350	0.240	ug/l #	45
89) 1,2,4-Trichlorobenzene	14.92	180	2364	0.443	ug/l #	21
91) Naphthalene	15.13	128	9541	0.606	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	3693	0.711	ug/l	82

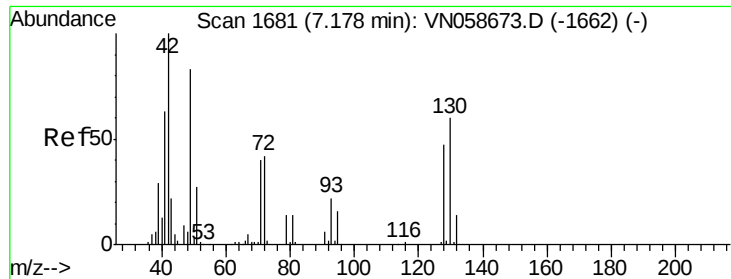
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WGGM-19-WW-TSF-039

Quant Time: Nov 08 01:10:14 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-039

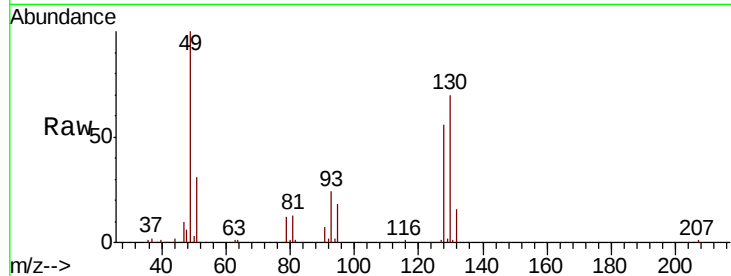
Tot Ion:128 Resp: 72457

Ion Ratio Lower Upper

128 100

49 181.2 0.0 453.5

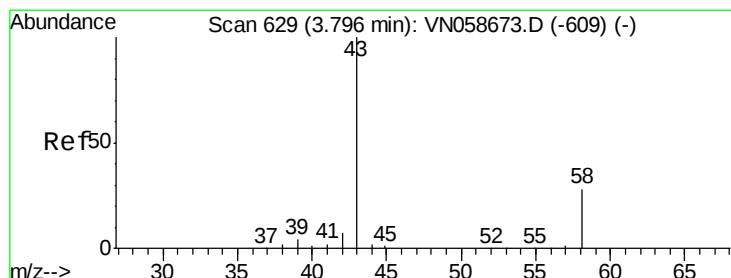
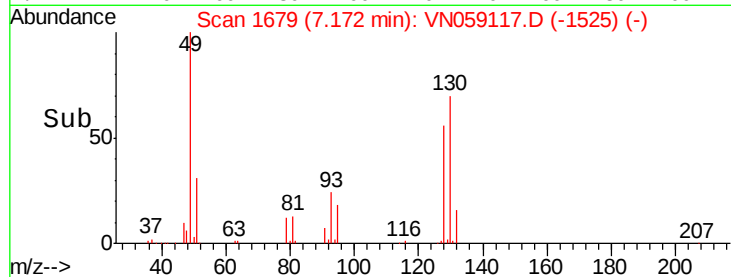
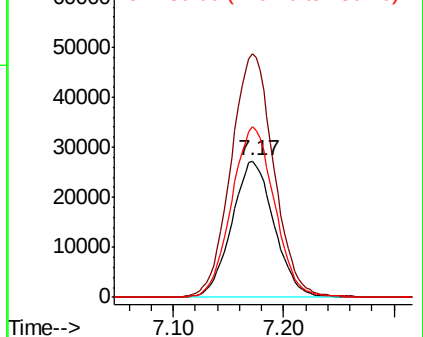
130 127.3 0.0 314.2



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



#15

Acetone

Concen: 1.001 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN059117.D

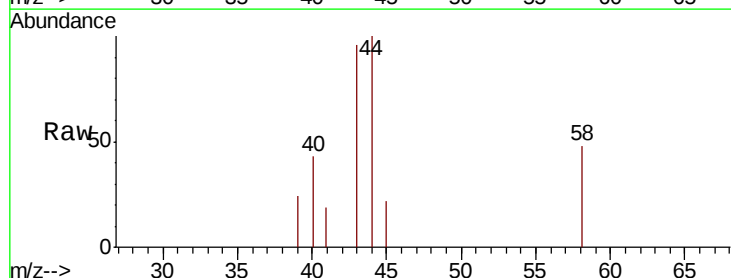
Acq: 7 Nov 2019 13:20

Tgt Ion: 58 Resp: 710

Ion Ratio Lower Upper

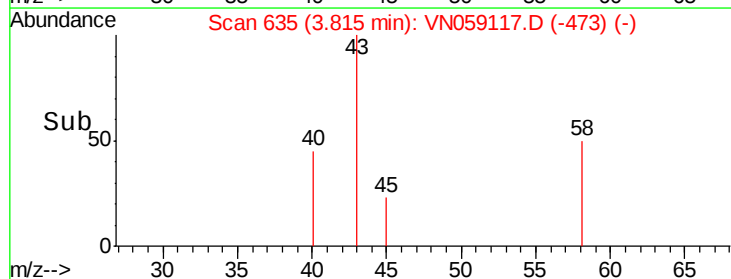
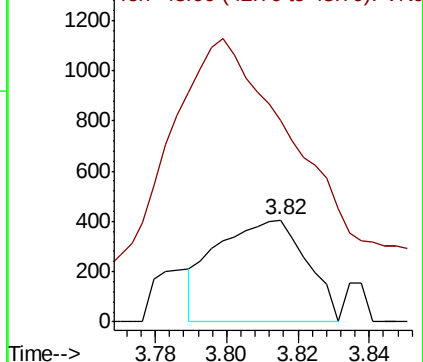
58 100

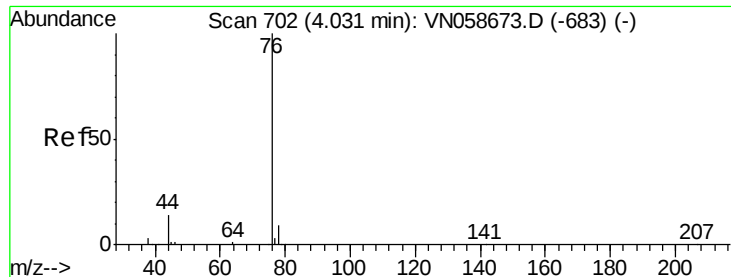
43 87.2 281.7 422.5#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

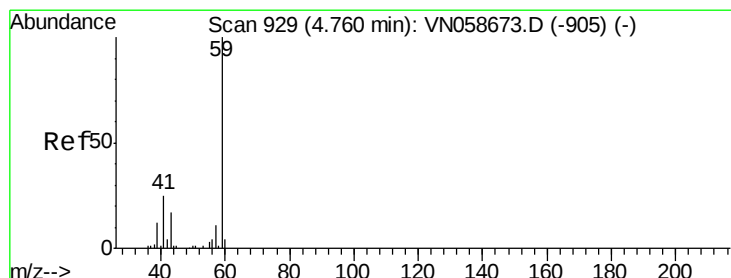
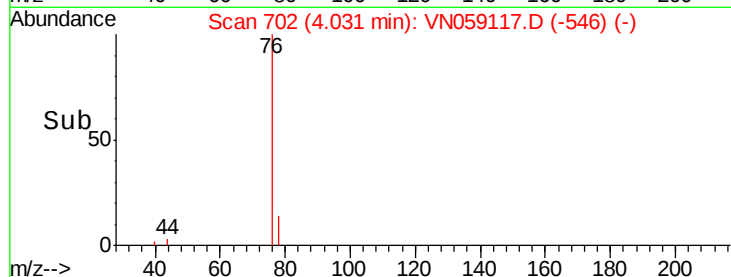
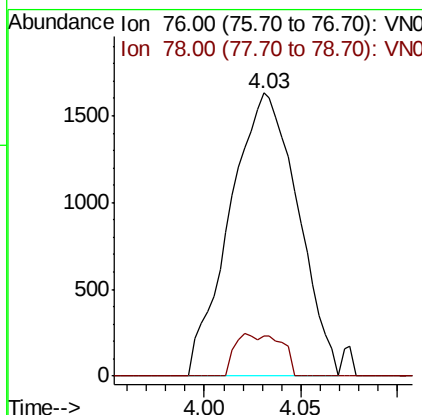
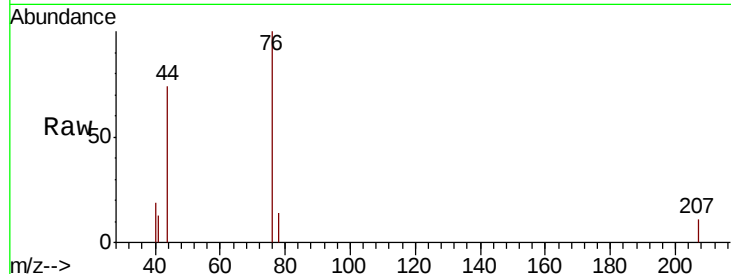




#16
Carbon Disulfide
Concen: 0.359 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059117.D
Acq: 7 Nov 2019 13:20

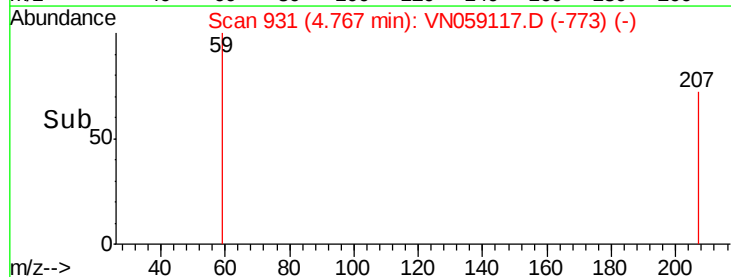
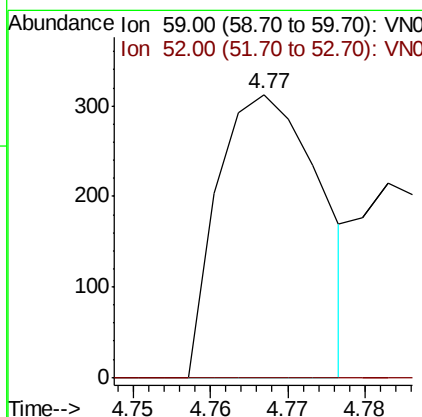
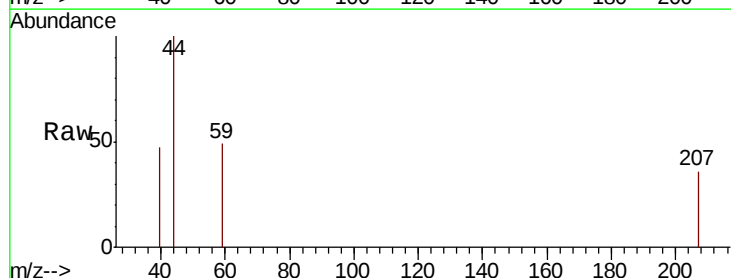
Instrument :
MSVOA_N
ClientSampleId :
WGGM-19-WW-TSF-039

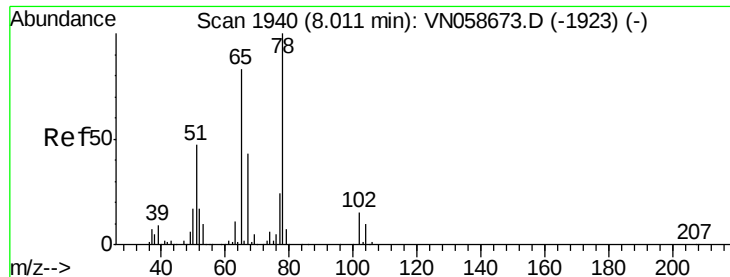
Tot Ion: 76 Resp: 3975
Ion Ratio Lower Upper
76 100
78 14.2 7.4 11.0#



#23
tert-Butyl Alcohol
Concen: 0.296 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN059117.D
Acq: 7 Nov 2019 13:20

Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

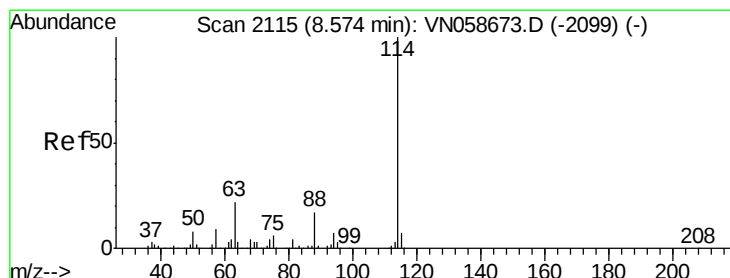
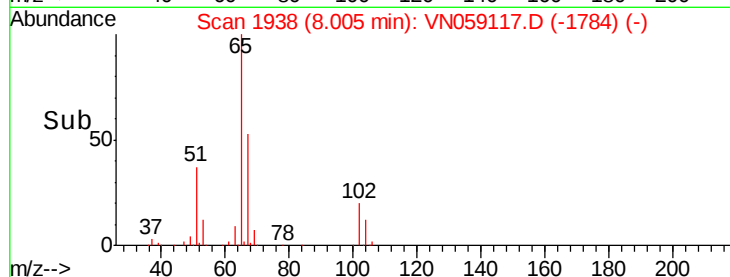
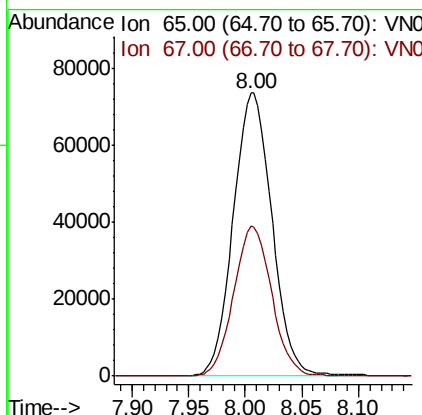
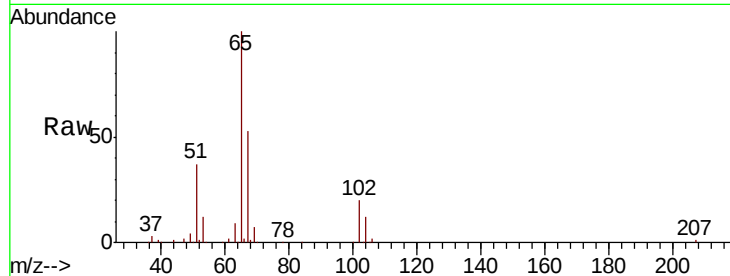




#27
 1,2-Dichloroethane-d4
 Concen: 28.518 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: VN059117.D
 Acq: 7 Nov 2019 13:20

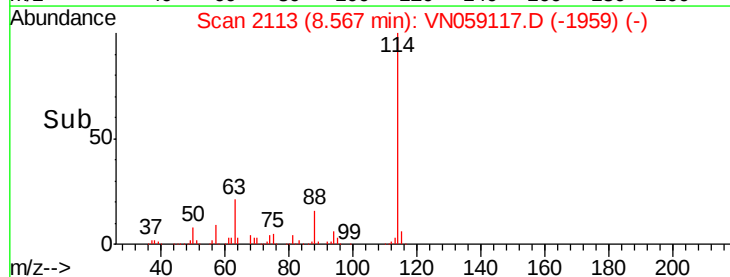
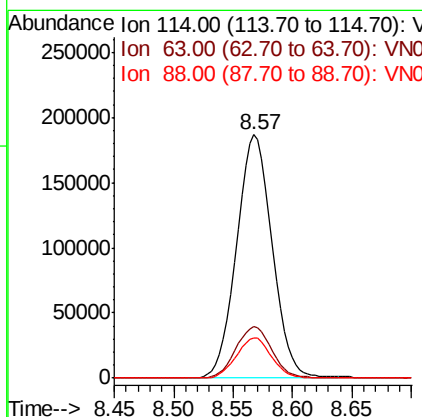
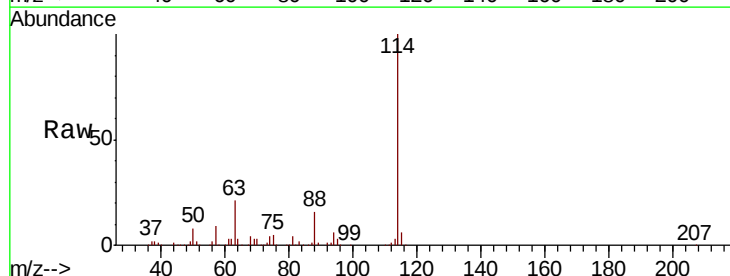
Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-19-WW-TSF-039

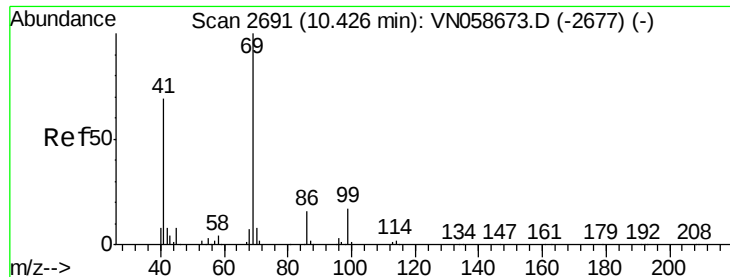
Tot Ion: 65 Resp: 175377
 Ion Ratio Lower Upper
 65 100
 67 52.2 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.01 min
 Lab File: VN059117.D
 Acq: 7 Nov 2019 13:20

Tgt Ion: 114 Resp: 387620
 Ion Ratio Lower Upper
 114 100
 63 21.4 18.1 27.1
 88 16.3 13.0 19.4





#51

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.35 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-039

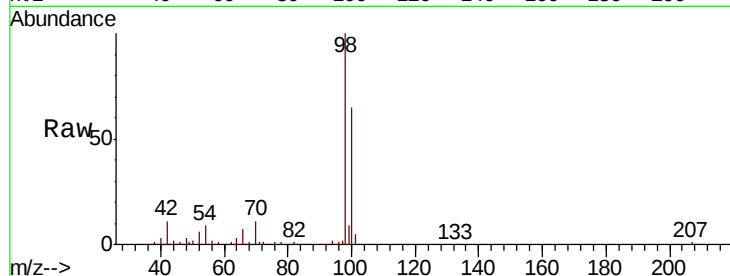
Tot Ion: 69 Resp: 1540

Ion Ratio Lower Upper

69 100

41 74.5 34.7 104.1

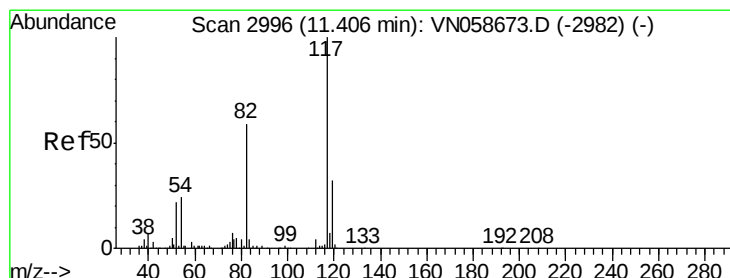
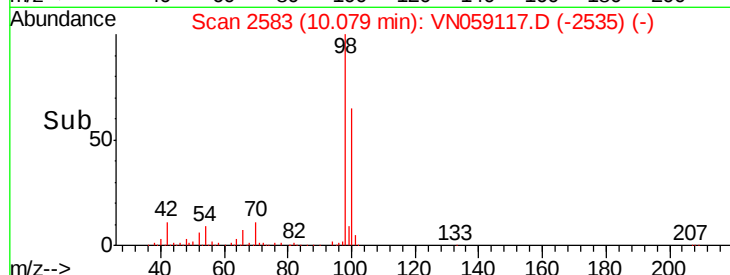
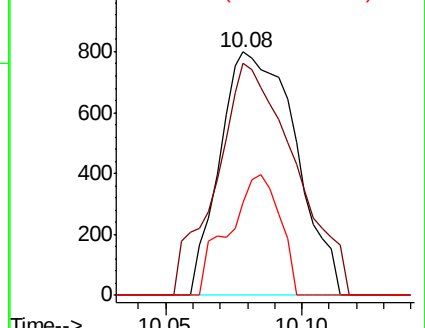
39 38.0 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN058673.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN058673.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN058673.D (-2677) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

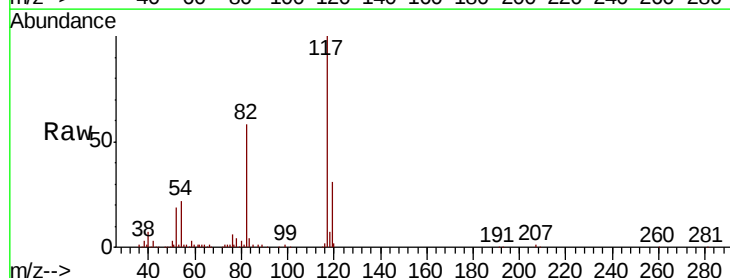
Tgt Ion: 117 Resp: 334297

Ion Ratio Lower Upper

117 100

82 58.0 46.9 70.3

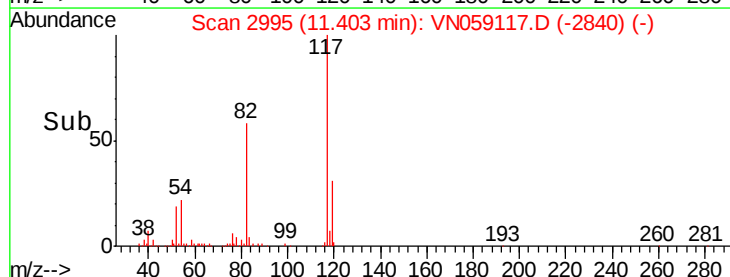
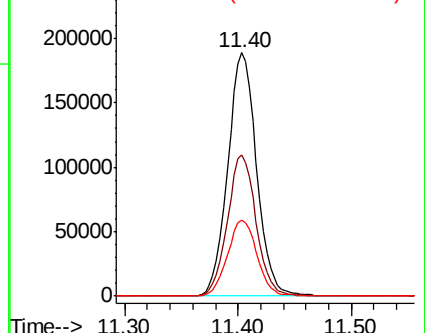
119 32.2 25.8 38.6

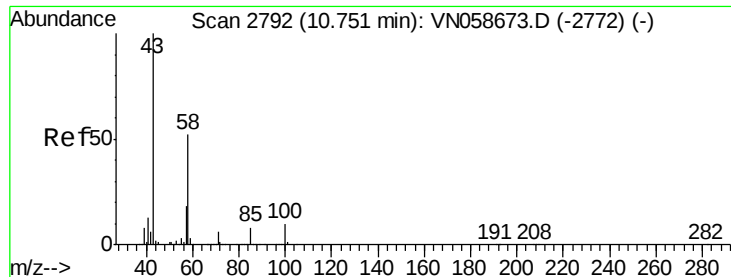


Abundance Ion 117.00 (116.70 to 117.70): VN058673.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN058673.D (-2982) (-)

Ion 119.00 (118.70 to 119.70): VN058673.D (-2982) (-)

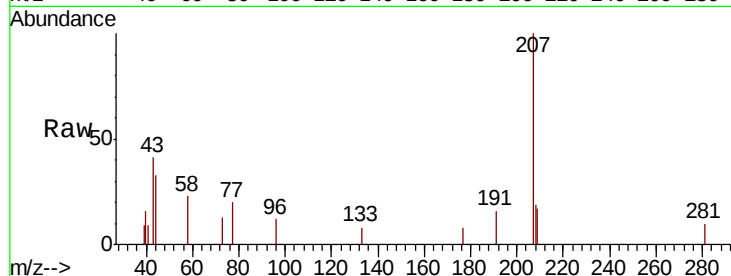




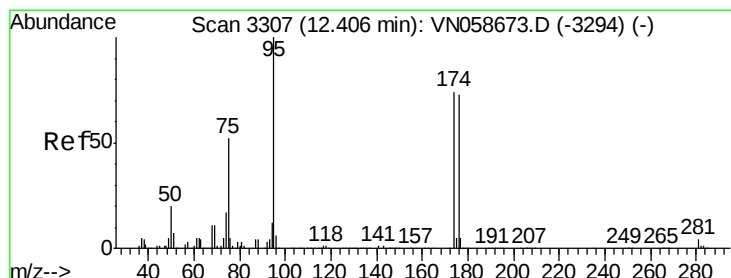
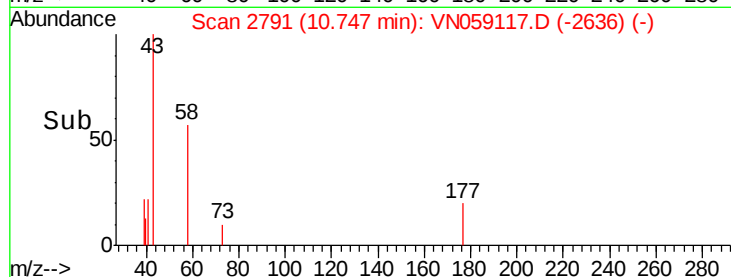
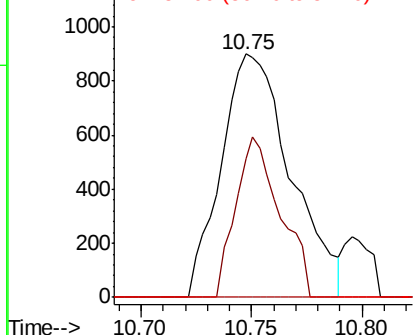
#59
2-Hexanone
Concen: 0.412 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059117.D
Acq: 7 Nov 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
WGGM-19-WW-TSF-039

Tot Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 41.9 41.4 62.0
57 0.0 14.7 22.1#

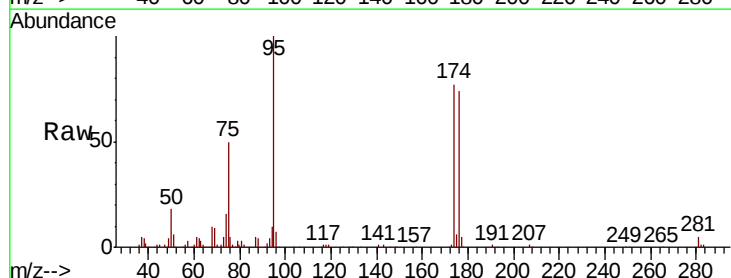


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

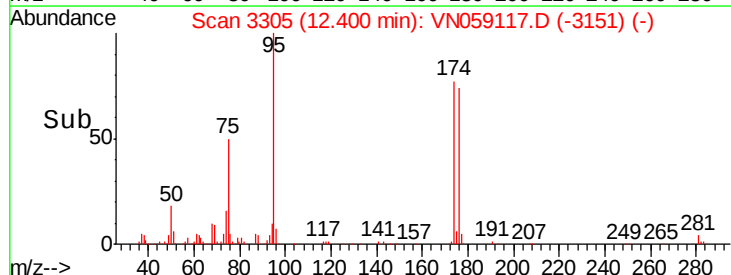
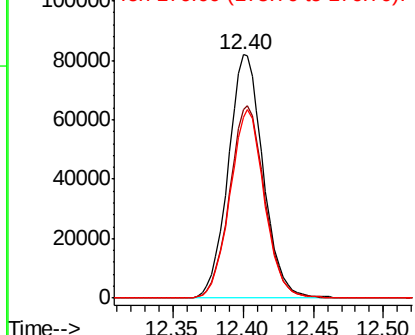


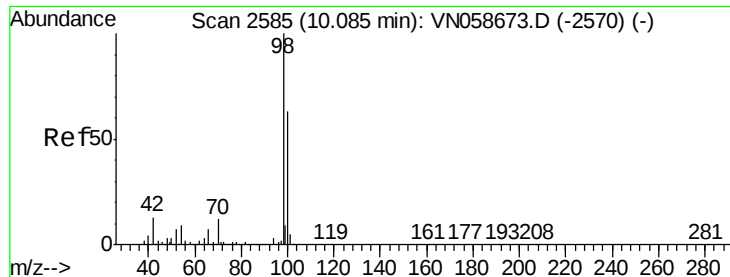
#60
4-Bromofluorobenzene
Concen: 24.237 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059117.D
Acq: 7 Nov 2019 13:20

Tgt Ion: 95 Resp: 141729
Ion Ratio Lower Upper
95 100
174 79.5 59.9 89.9
176 76.5 58.3 87.5



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: 29.916 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

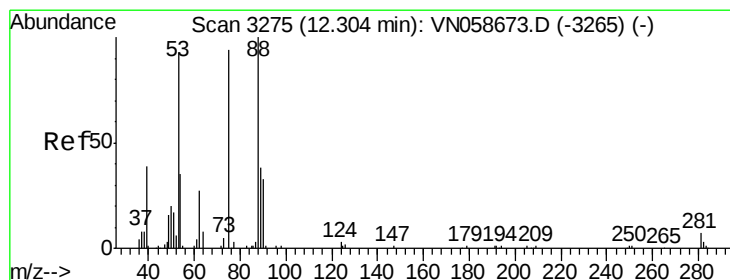
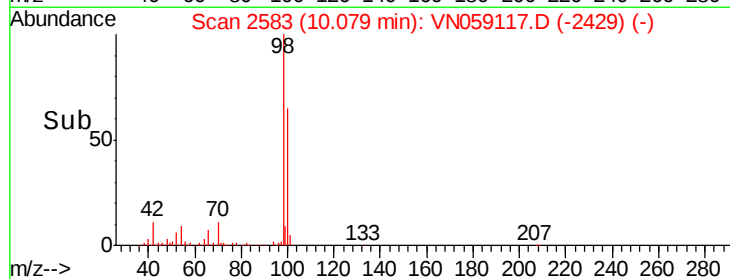
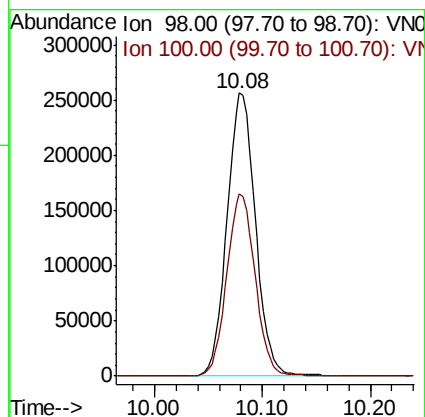
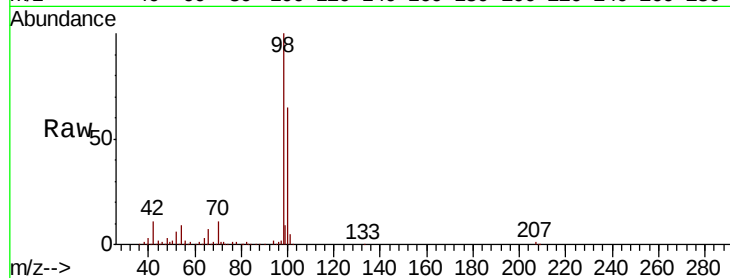
WGGM-19-WW-TSF-039

Tot Ion: 98 Resp: 472197

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8



#77

t-1,4-Dichloro-2-butene

Concen: 31.405 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

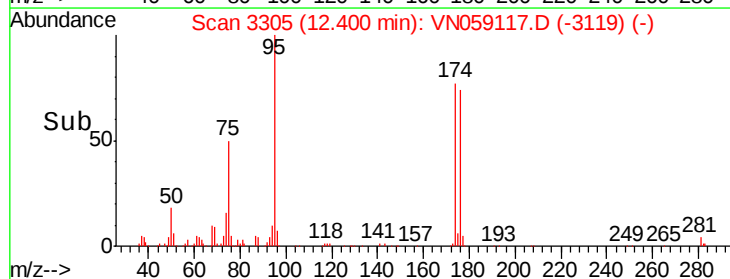
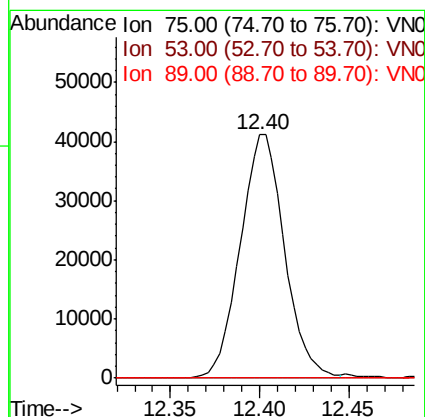
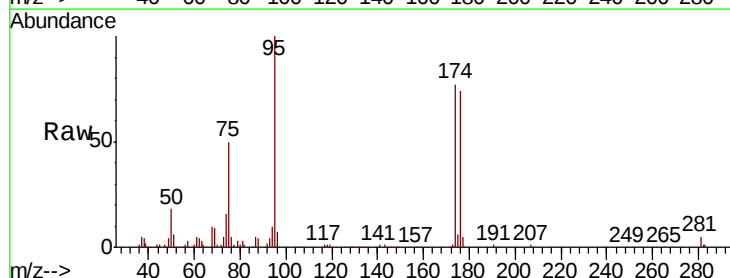
Tgt Ion: 75 Resp: 71059

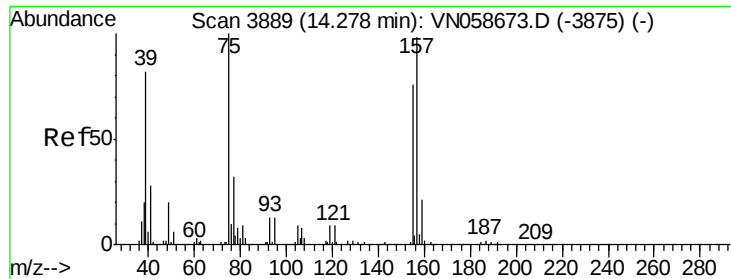
Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

89 0.0 20.7 62.1#





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.240 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

Instrument :

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ClientSampleId :

WGGM-19-WW-TSF-039

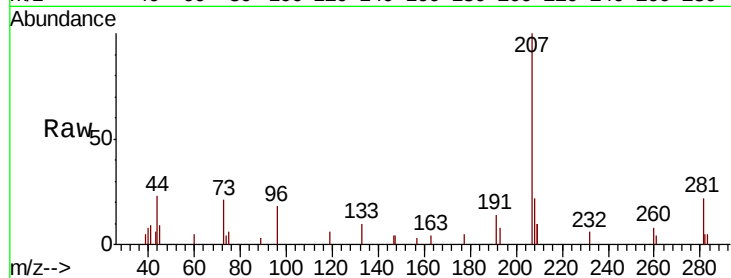
Tot Ion: 75 Resp: 350

Ion Ratio Lower Upper

75 100

155 18.0 58.3 87.5#

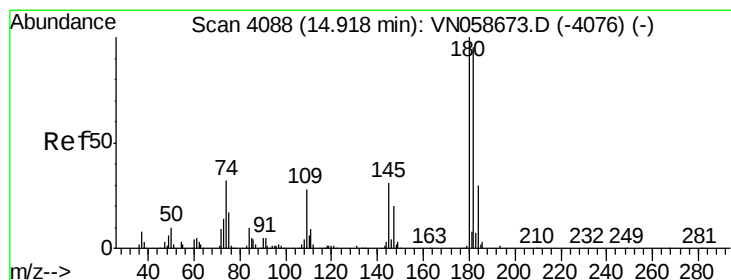
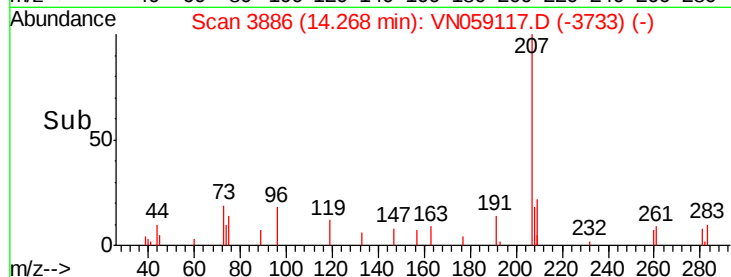
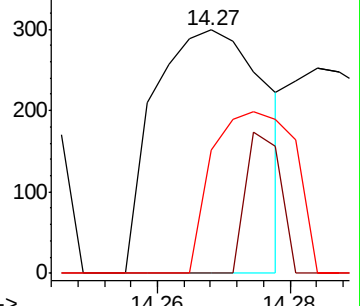
157 49.4 75.0 112.6#



Abundance Ion 75.00 (74.70 to 75.70): VN059117.D (-3733) (-)

Ion 155.00 (154.70 to 155.70): VN059117.D (-3733) (-)

Ion 157.00 (156.70 to 157.70): VN059117.D (-3733) (-)



#89

1,2,4-Trichlorobenzene

Concen: 0.443 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

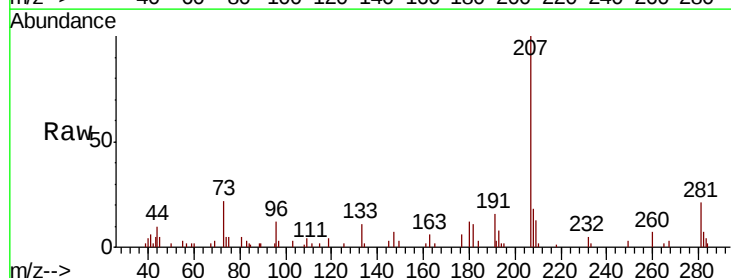
Tgt Ion: 180 Resp: 2364

Ion Ratio Lower Upper

180 100

182 0.0 75.3 112.9#

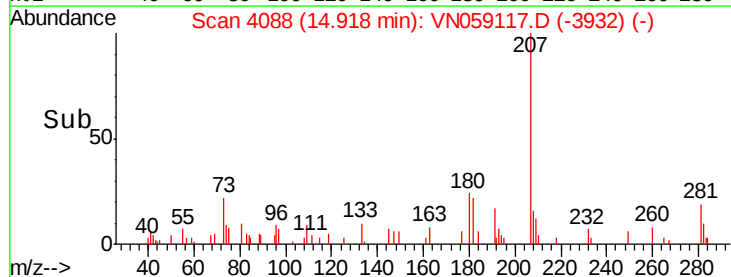
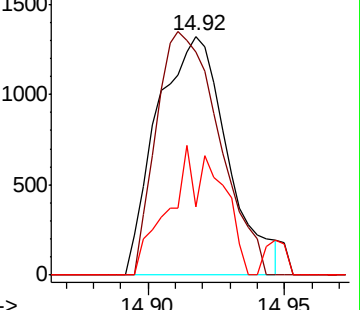
145 18.7 24.8 37.2#

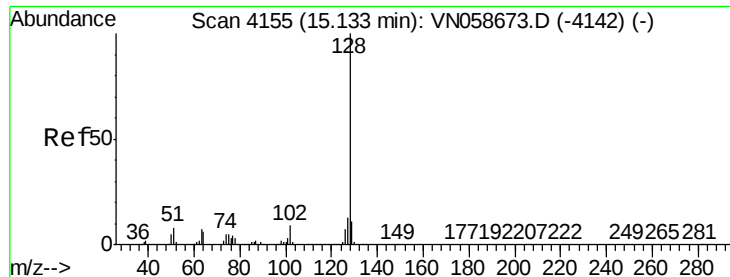


Abundance Ion 180.00 (179.70 to 180.70): VN059117.D (-3932) (-)

Ion 182.00 (181.70 to 182.70): VN059117.D (-3932) (-)

Ion 145.00 (144.70 to 145.70): VN059117.D (-3932) (-)





#91

Naphthalene

Concen: 0.606 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

WGGM-19-WW-TSF-039

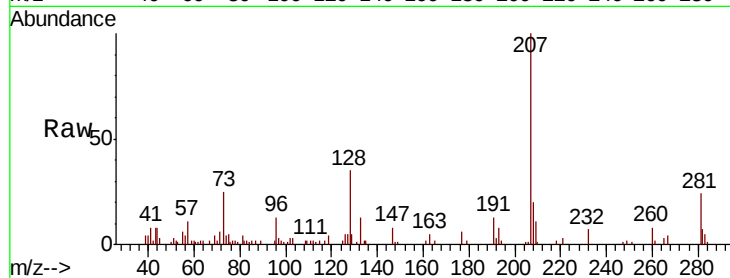
Tot Ion:128 Resp: 9541

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

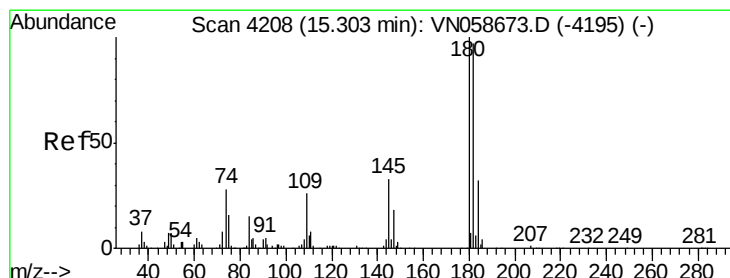
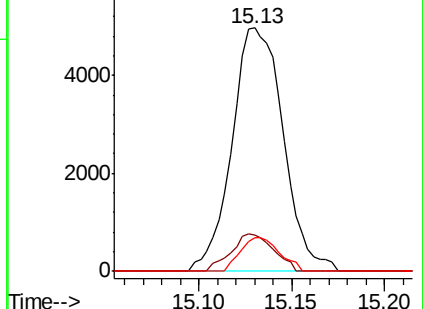
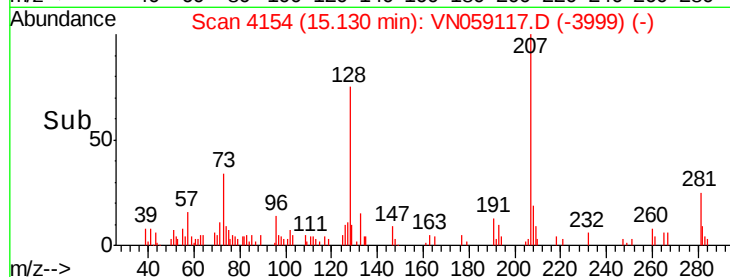
129 10.6 8.6 13.0



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: 0.711 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN059117.D

Acq: 7 Nov 2019 13:20

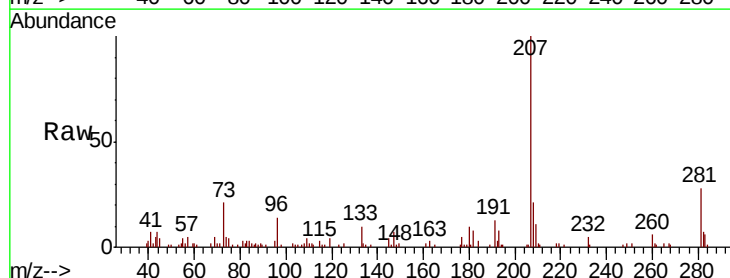
Tgt Ion:180 Resp: 3693

Ion Ratio Lower Upper

180 100

182 73.8 0.0 193.4

145 34.7 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

