

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059034.D
 Acq On : 31 Oct 2019 13:10
 Operator : JC/SP
 Sample : K5615-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RBR-29

Quant Time: Nov 01 02:13:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

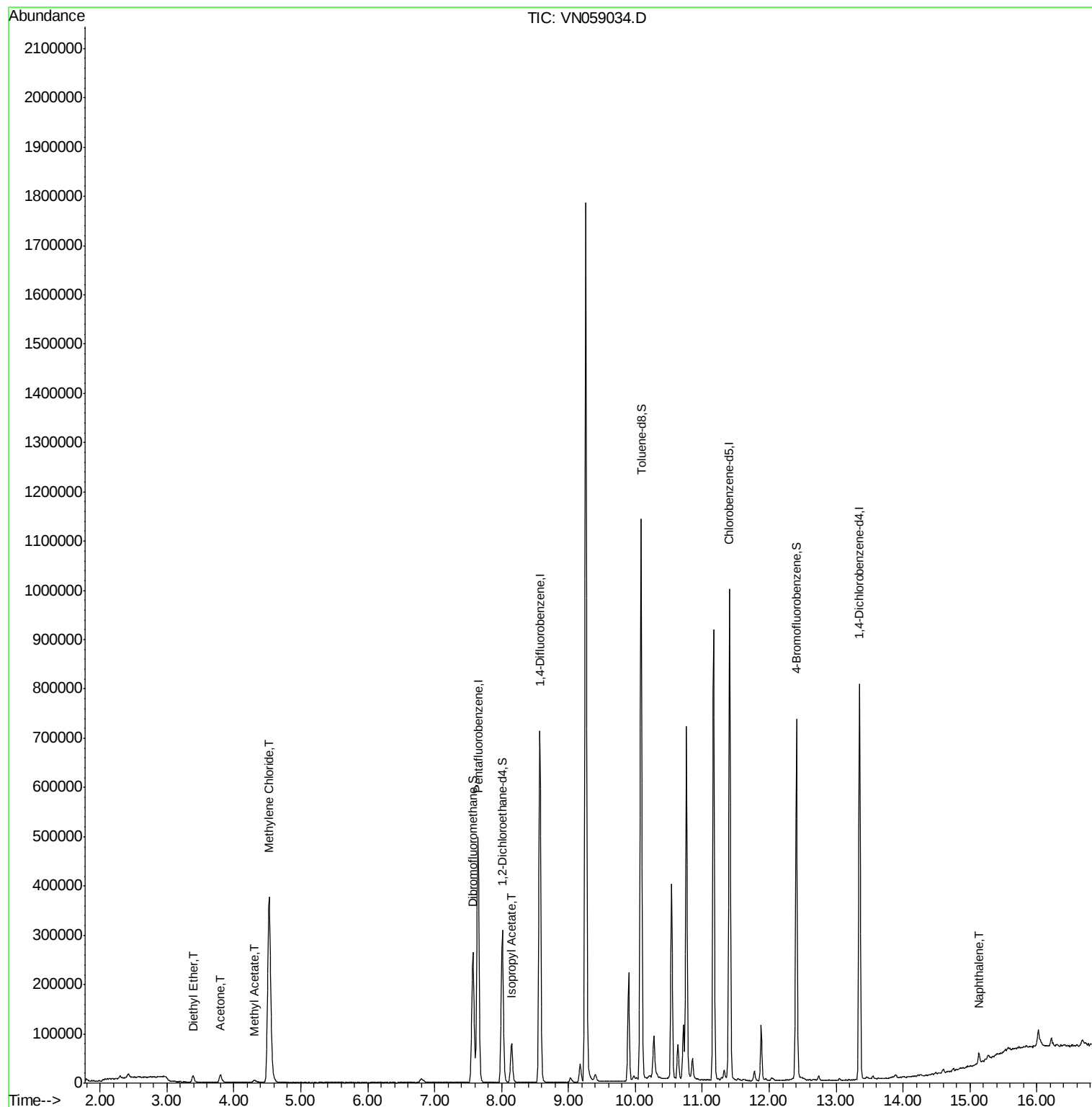
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	398579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	210373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	272636	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
35) Dibromofluoromethane	7.57	113	200930	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	10.08	98	787665	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.41	95	252664	43.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.52%	
Target Compounds						
8) Diethyl Ether	3.39	74	5615	2.149	ug/l	94
16) Acetone	3.80	43	27569	9.544	ug/l	99
18) Methyl Acetate	4.31	43	7972	1.214	ug/l #	76
20) Methylene Chloride	4.53	84	288451	58.481	ug/l	98
43) Isopropyl Acetate	8.15	43	95337	8.552	ug/l #	92
95) Naphthalene	15.14	128	15372	3.444	ug/l	100

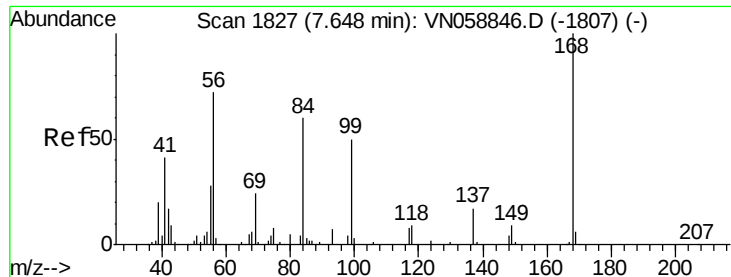
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RBR-29

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

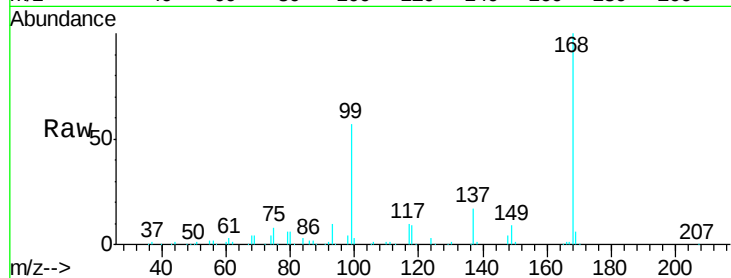
RBR-29

Tgt Ion:168 Resp: 398579

Ion Ratio Lower Upper

168 100

99 57.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

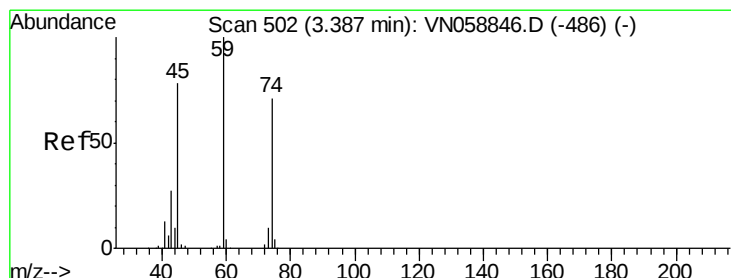
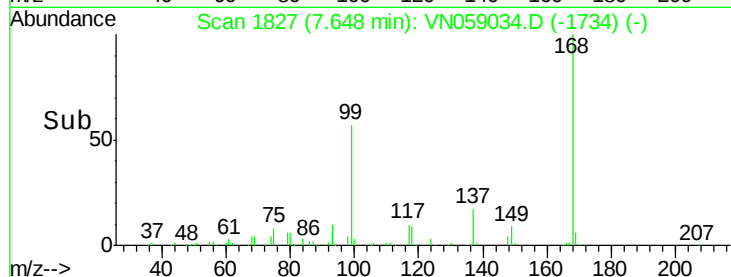
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 2.149 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN059034.D

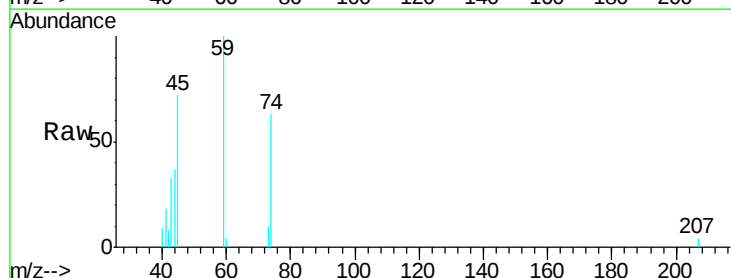
Acq: 31 Oct 2019 13:10

Tgt Ion: 74 Resp: 5615

Ion Ratio Lower Upper

74 100

45 116.0 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.39

3000

2500

2000

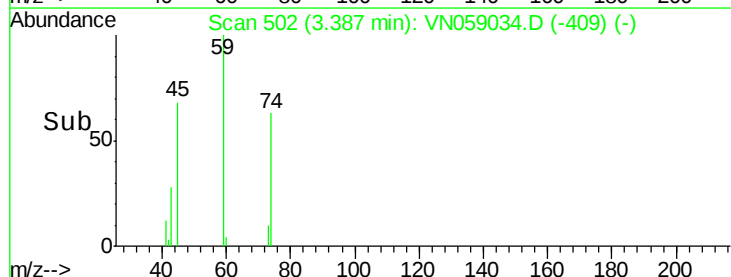
1500

1000

500

0

Time--> 3.35 3.40 3.45





#16

Acetone

Concen: 9.544 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

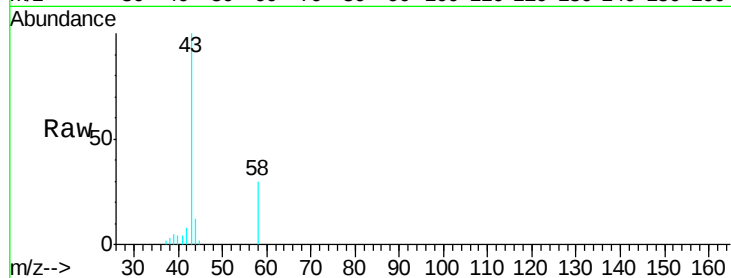
RBR-29

Tgt Ion: 43 Resp: 27569

Ion Ratio Lower Upper

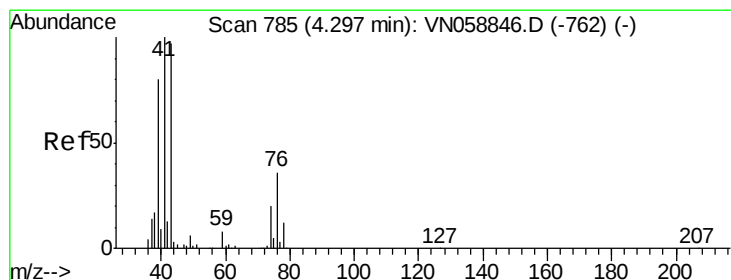
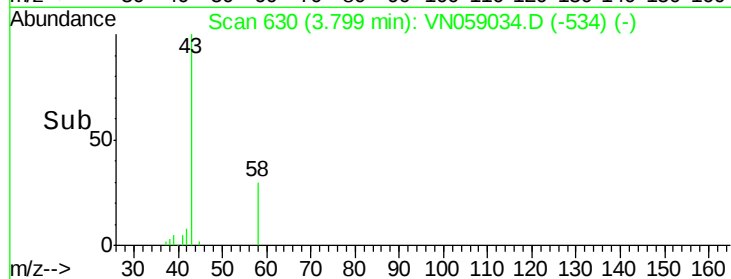
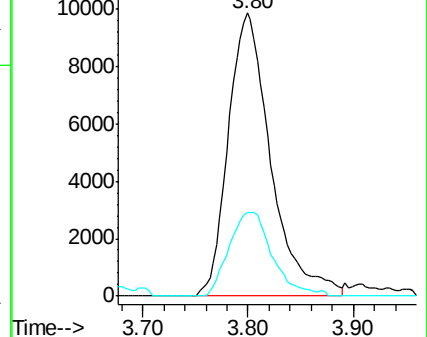
43 100

58 29.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)



#18

Methyl Acetate

Concen: 1.214 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059034.D

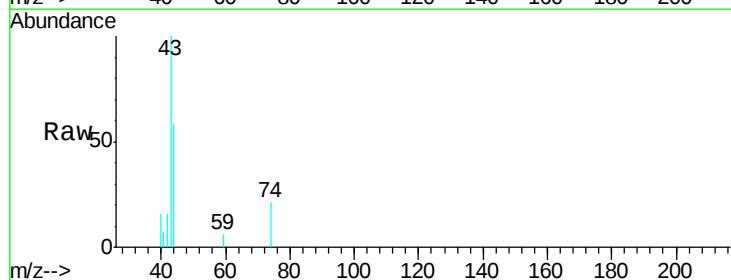
Acq: 31 Oct 2019 13:10

Tgt Ion: 43 Resp: 7972

Ion Ratio Lower Upper

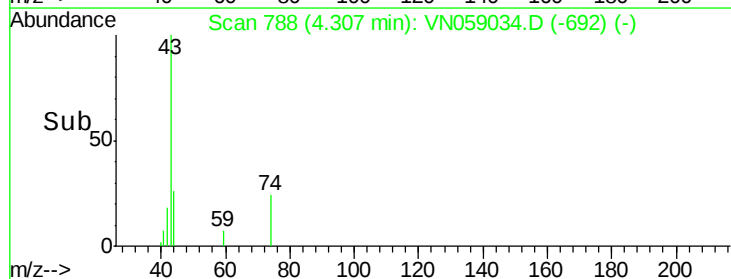
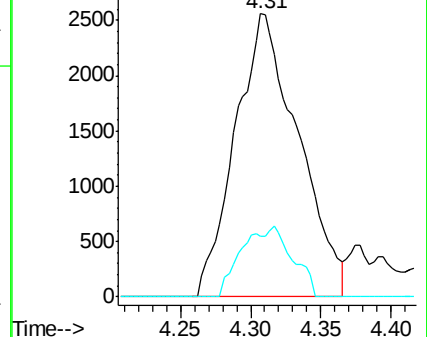
43 100

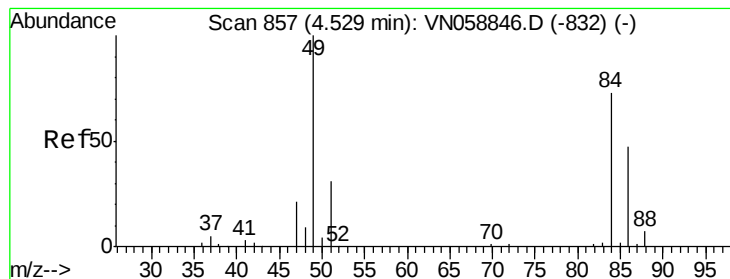
74 10.3 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)





#20

Methylene Chloride

Concen: 58.481 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

RBR-29

Tgt Ion: 84 Resp: 288451

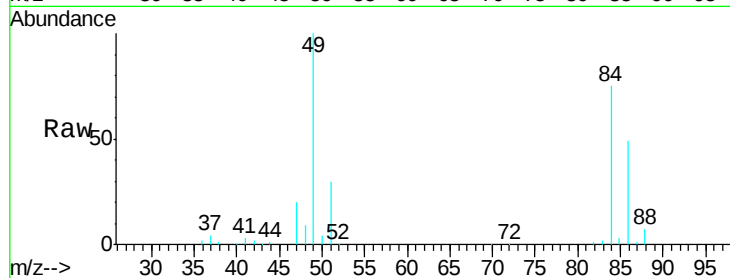
Ion Ratio Lower Upper

84 100

49 134.2 109.6 164.4

51 40.5 33.8 50.6

86 65.8 51.5 77.3

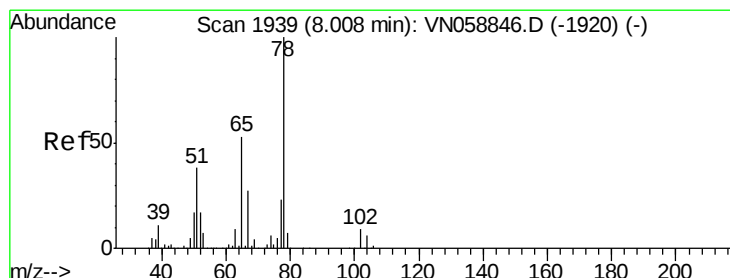
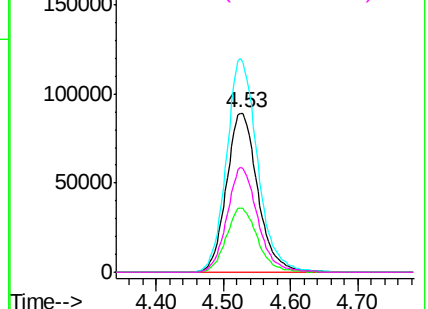
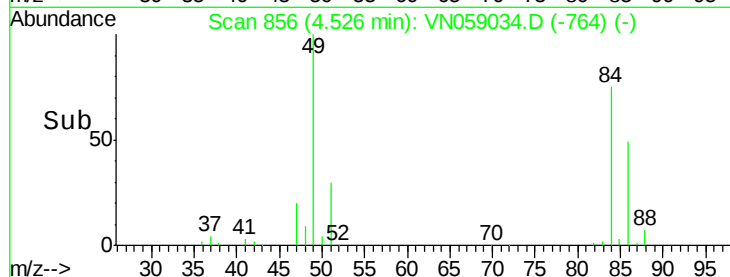


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.638 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN059034.D

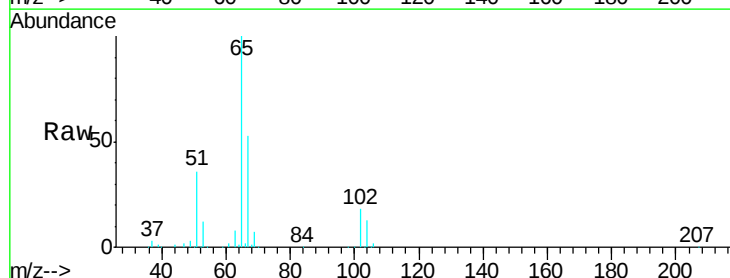
Acq: 31 Oct 2019 13:10

Tgt Ion: 65 Resp: 272636

Ion Ratio Lower Upper

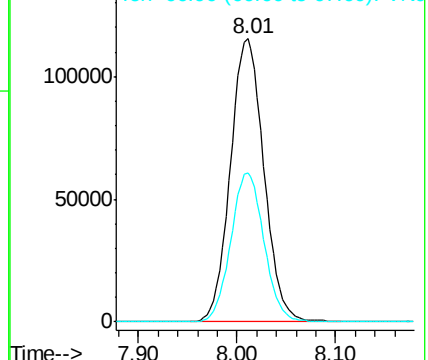
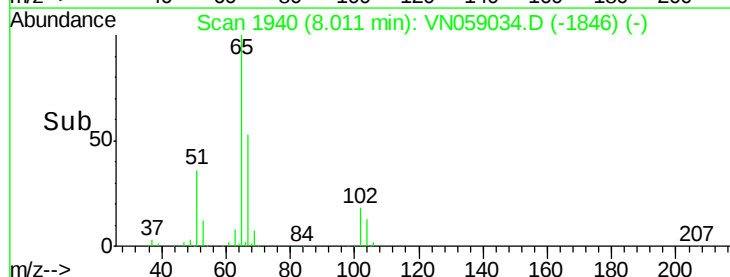
65 100

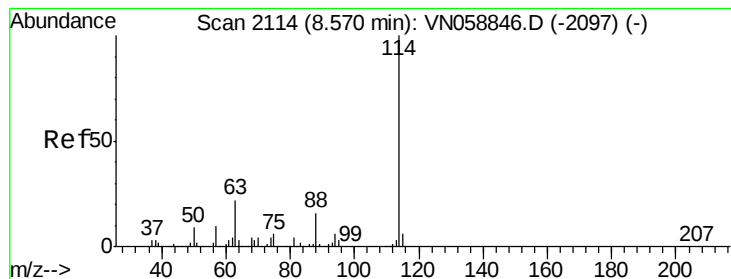
67 52.3 0.0 103.2



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# 2114

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

RBR-29

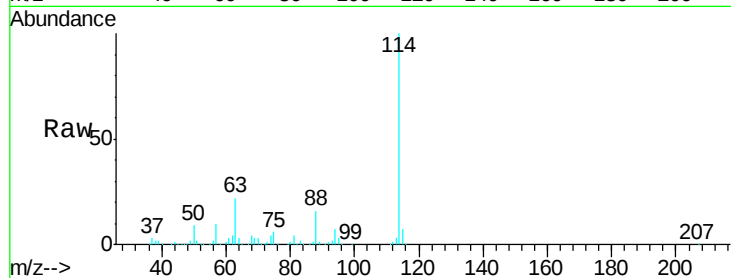
Tgt Ion:114 Resp: 623120

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.4

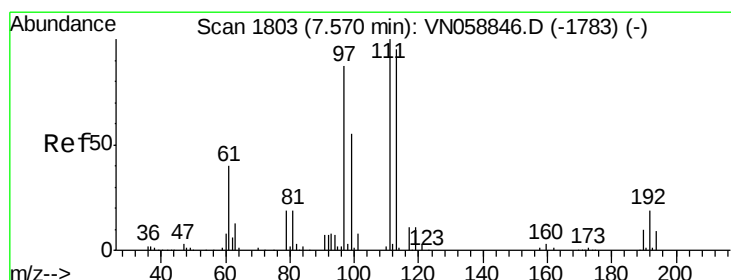
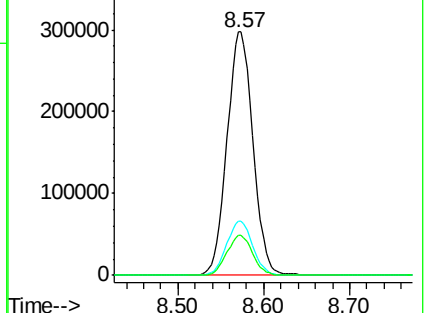
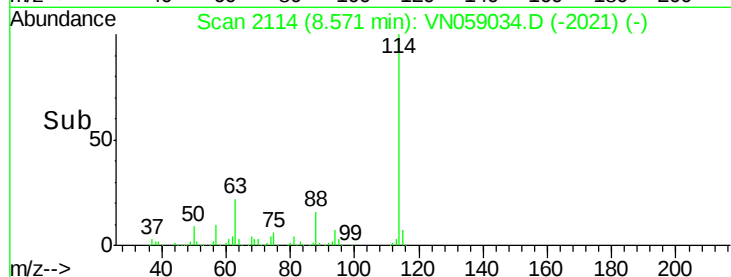
88 16.3 0.0 31.4



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: 49.045 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

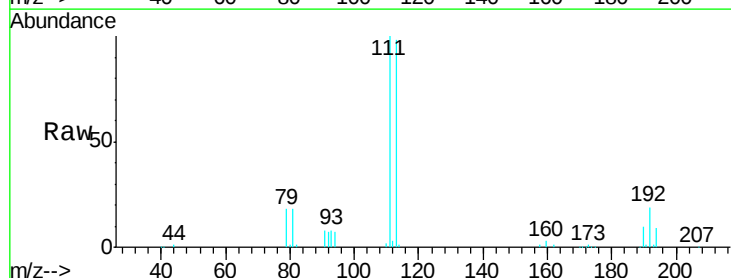
Tgt Ion:113 Resp: 200930

Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

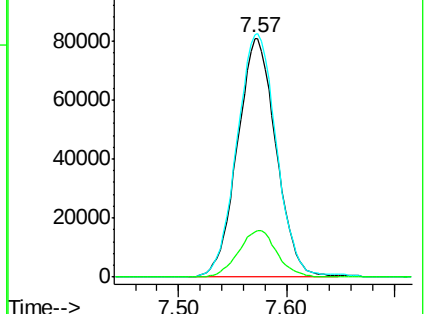
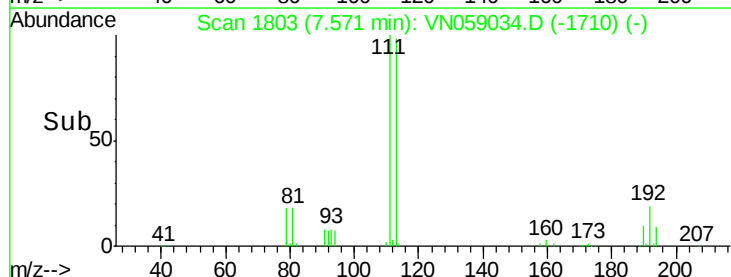
192 19.5 15.0 22.6

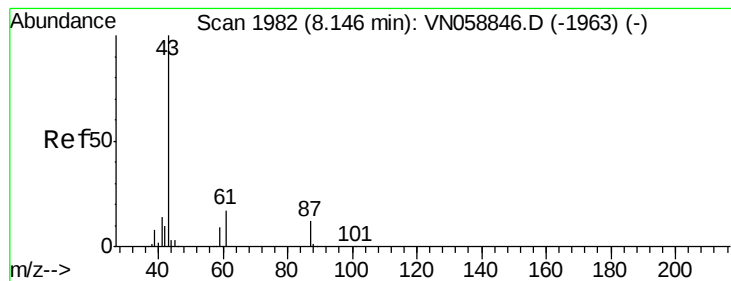


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.552 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

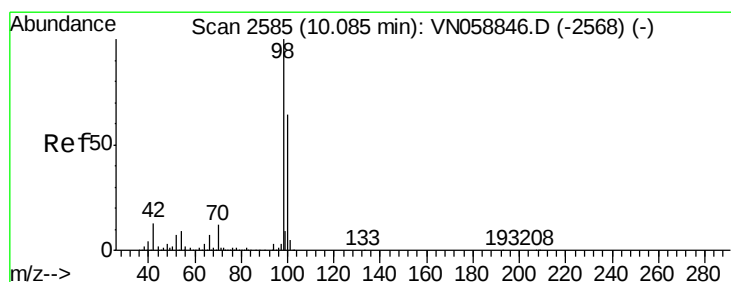
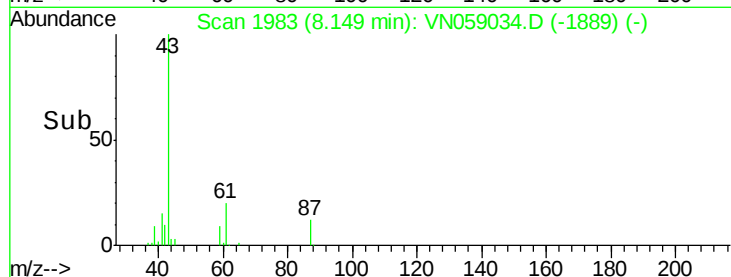
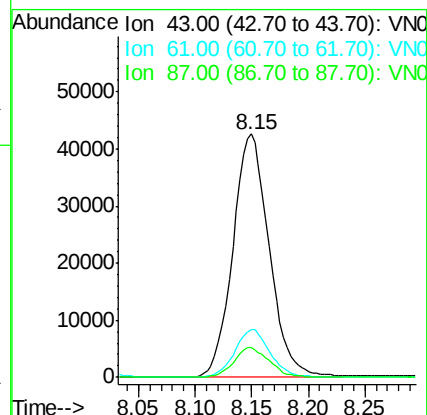
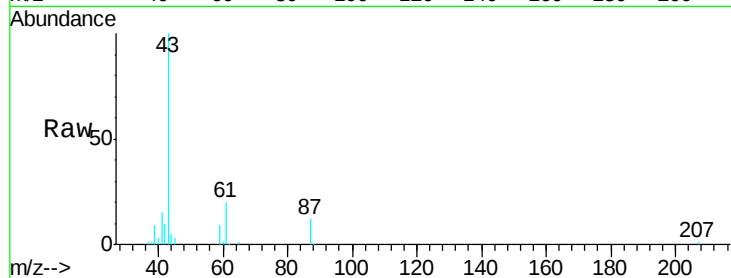
MSVOA_N

ClientSampled :

RBR-29

Tgt Ion: 43 Resp: 95337

Ion	Ratio	Lower	Upper
43	100		
61	19.0	20.2	30.2#
87	11.8	9.5	14.3



#50

Toluene-d8

Concen: 49.528 ug/l

RT: 10.08 min Scan# 2585

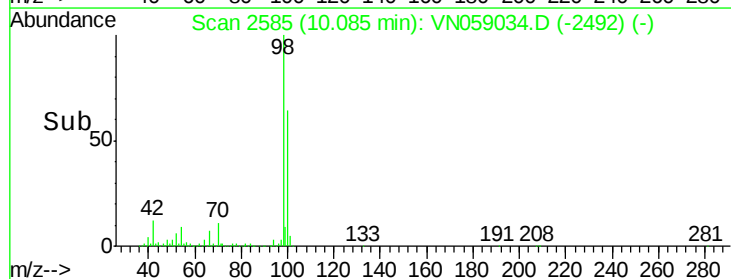
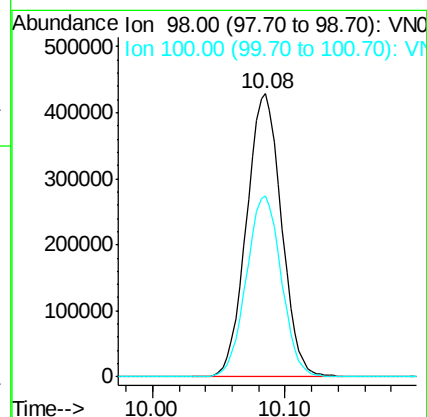
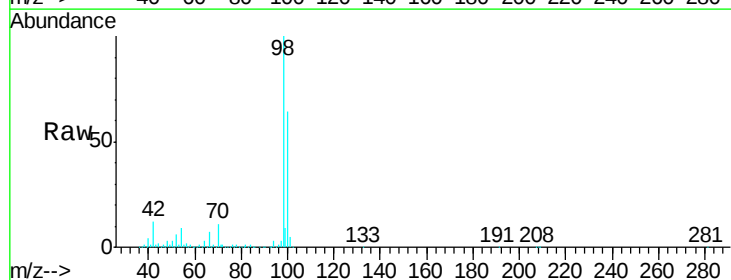
Delta R.T. 0.00 min

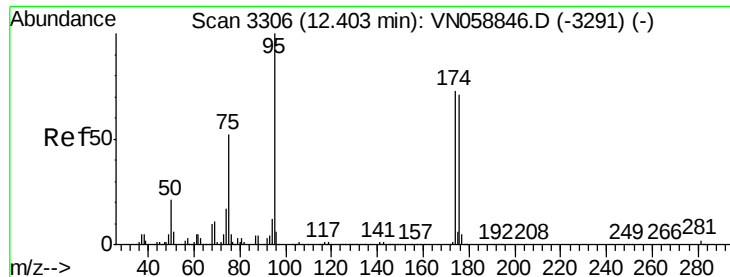
Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Tgt Ion: 98 Resp: 787665

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2





#62

4-Bromofluorobenzene

Concen: 43.263 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

RBR-29

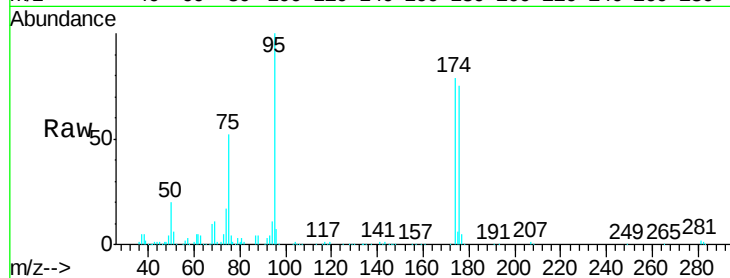
Tgt Ion: 95 Resp: 252664

Ion Ratio Lower Upper

95 100

174 77.8 0.0 147.6

176 73.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

12.41

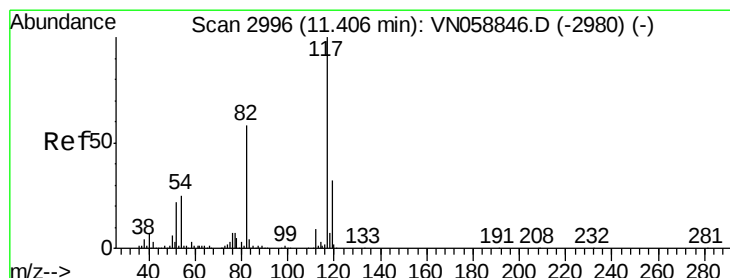
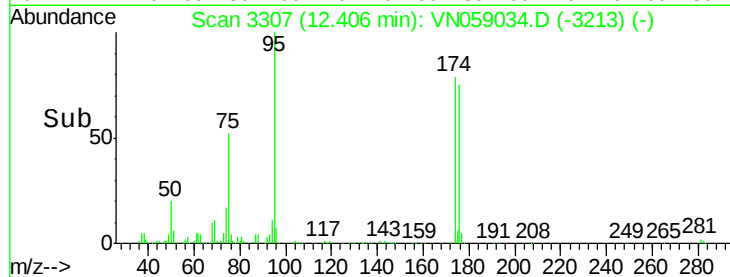
150000

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: VN059034.D

Acq: 31 Oct 2019 13:10

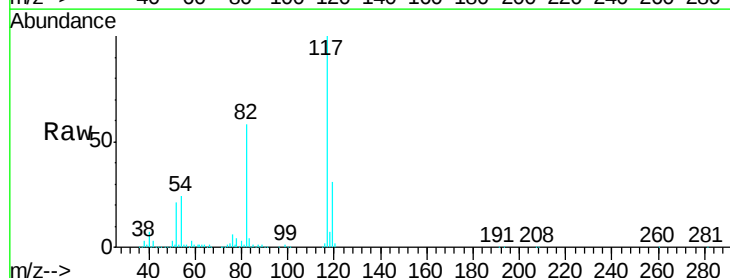
Tgt Ion: 117 Resp: 568815

Ion Ratio Lower Upper

117 100

82 57.5 46.6 69.8

119 31.1 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)

11.41

400000

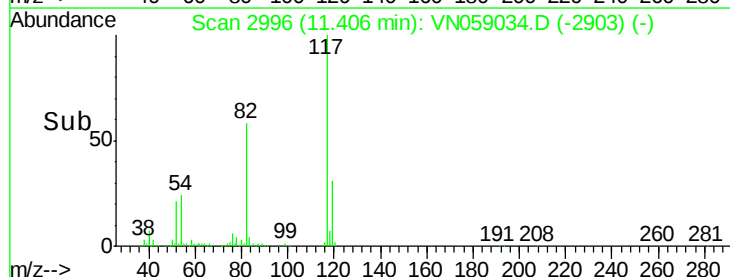
300000

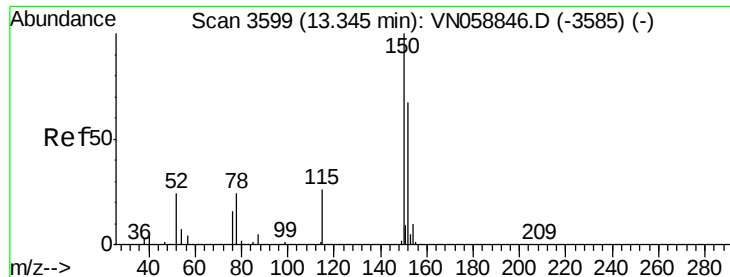
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

RBR-29

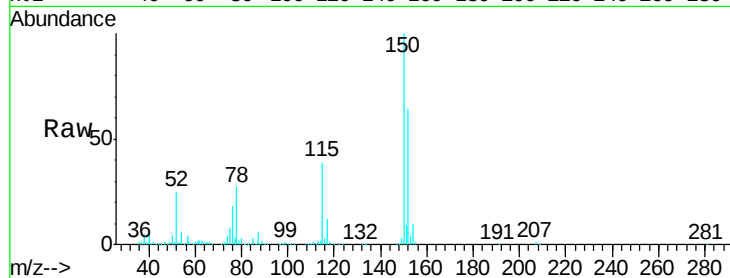
Tgt Ion:152 Resp: 210373

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

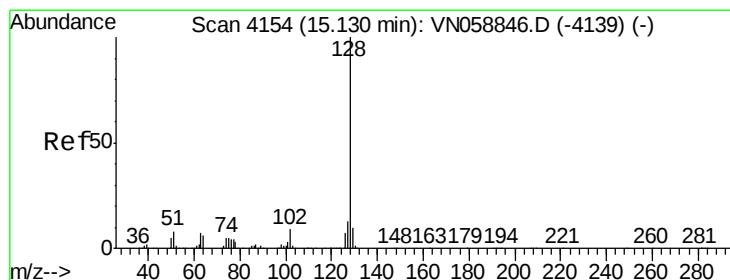
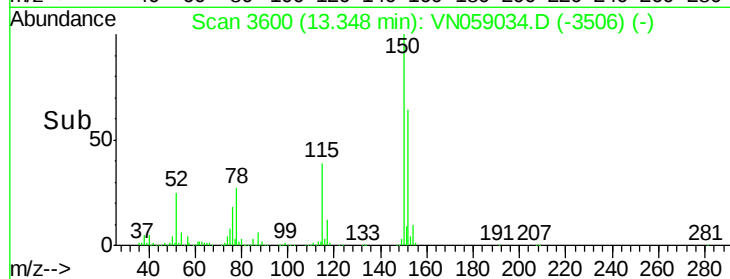
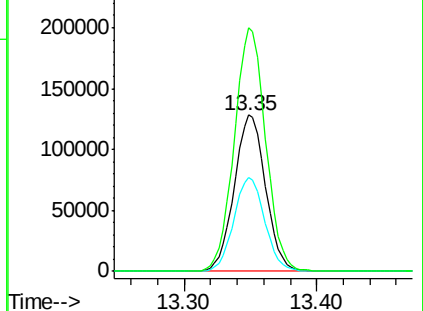
150 155.8 0.0 344.4



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



#95

Naphthalene

Concen: 3.444 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN059034.D

Acq: 31 Oct 2019 13:10

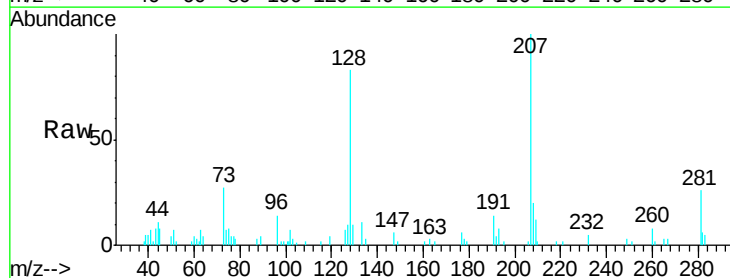
Tgt Ion:128 Resp: 15372

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.6 8.4 12.6



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

