

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055833.D
 Acq On : 25 May 2019 7:34
 Operator : JC/SP
 Sample : K3035-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-3(OWS)-

Quant Time: May 26 23:35:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	561492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	187634	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	167271	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	663537	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	231395	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

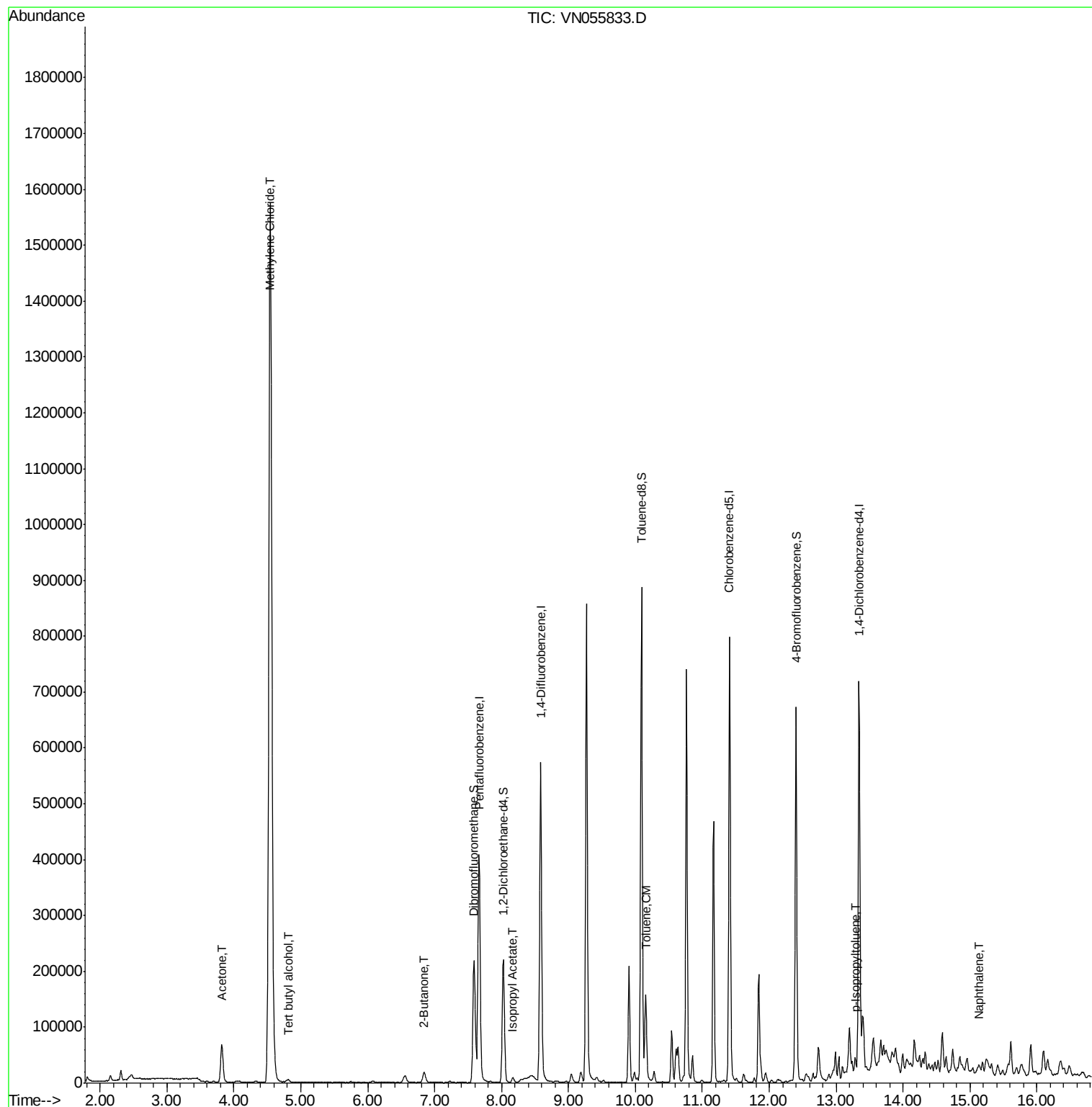
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	11424	14.712	ug/l	97
16) Acetone	3.82	43	115260	64.520	ug/l	99
20) Methylene Chloride	4.54	84	1305917	337.551	ug/l	96
25) 2-Butanone	6.85	43	31922	12.795	ug/l	99
43) Isopropyl Acetate	8.17	43	11923	1.501	ug/l #	86
52) Toluene	10.16	92	70327	7.583	ug/l	100
86) p-Isopropyltoluene	13.29	119	15923	1.068	ug/l	96
95) Naphthalene	15.13	128	11393	1.147	ug/l #	96

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

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OIL-WATER-SEPARATOR-3(OWS)-

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

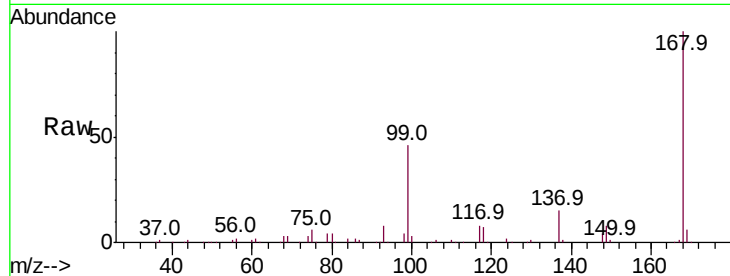
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:168 Resp: 393518

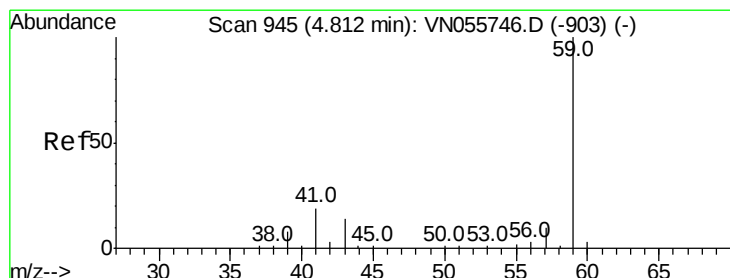
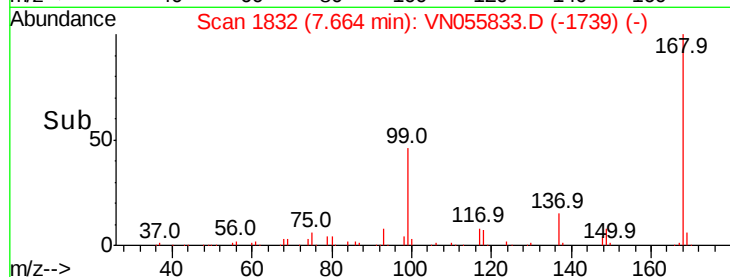
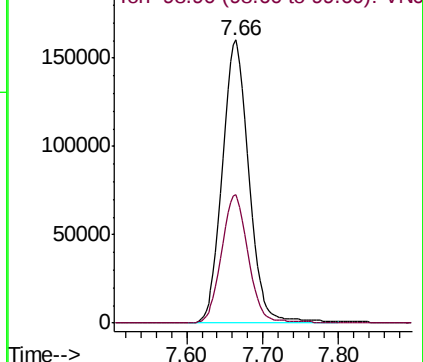
Ion Ratio Lower Upper

168 100

99 45.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)



#11

Tert butyl alcohol

Concen: 14.712 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055833.D

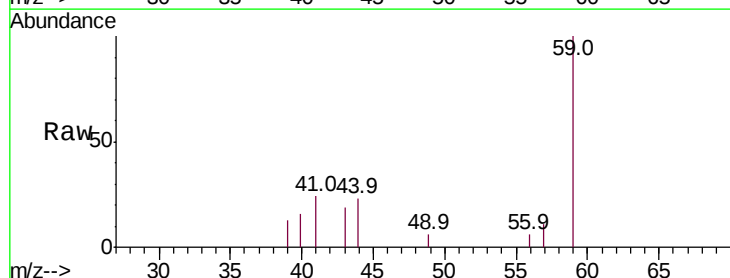
Acq: 25 May 2019 7:34

Tgt Ion: 59 Resp: 11424

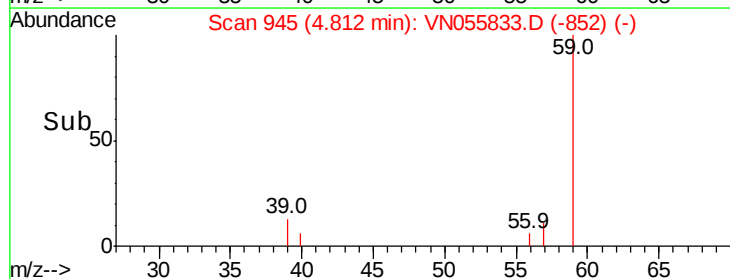
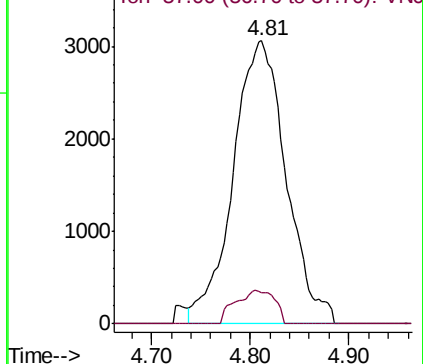
Ion Ratio Lower Upper

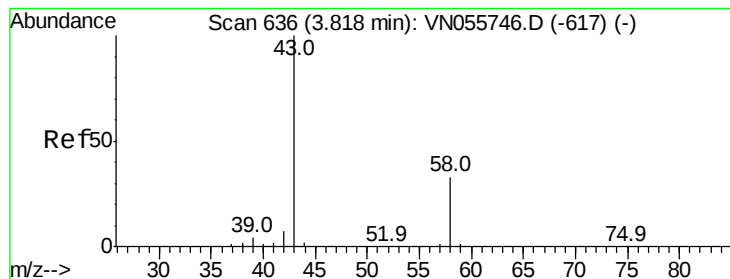
59 100

57 8.7 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN055746.D (-903) (-)





#16

Acetone

Concen: 64.520 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

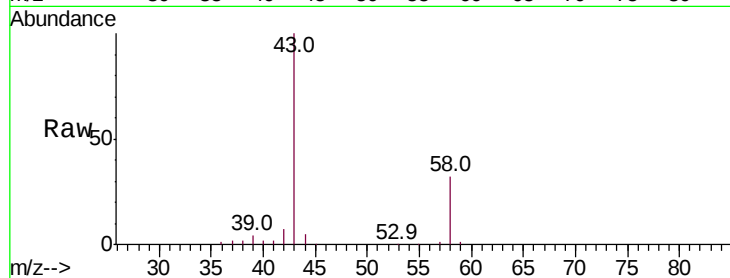
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 43 Resp: 115260

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

40000

30000

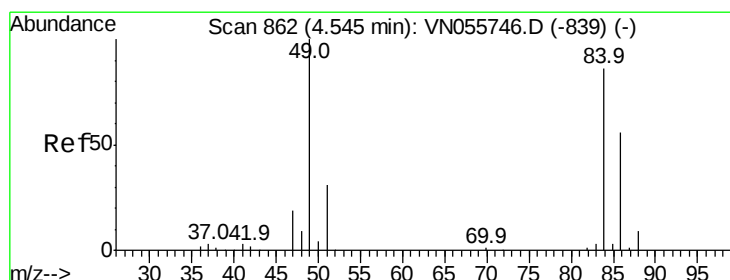
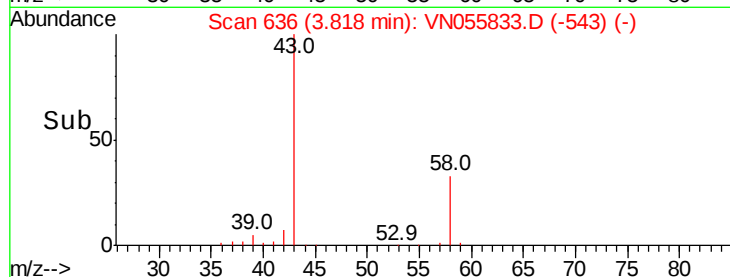
20000

10000

0

Time-->

3.70 3.80 3.90 4.00



#20

Methylene Chloride

Concen: 337.551 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Tgt Ion: 84 Resp: 1305917

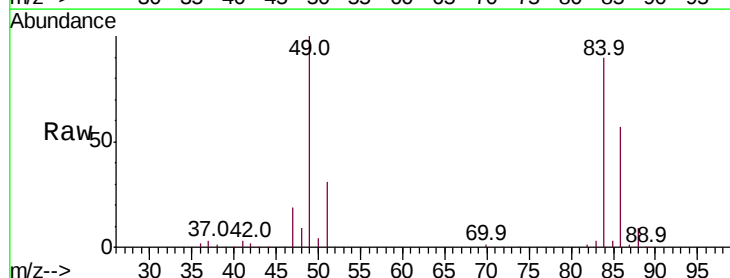
Ion Ratio Lower Upper

84 100

49 111.3 93.5 140.3

51 34.7 28.6 43.0

86 63.5 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

400000

300000

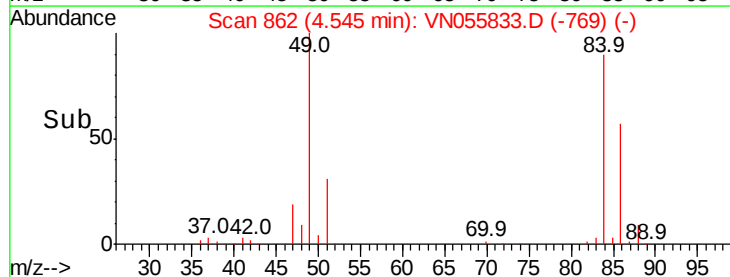
200000

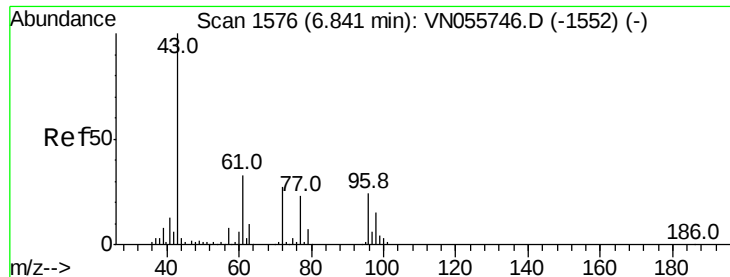
100000

0

Time-->

4.40 4.50 4.60 4.70 4.80





#25

2-Butanone

Concen: 12.795 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

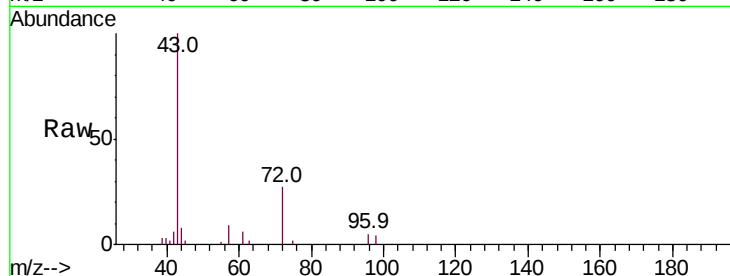
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 43 Resp: 31922

Ion Ratio Lower Upper

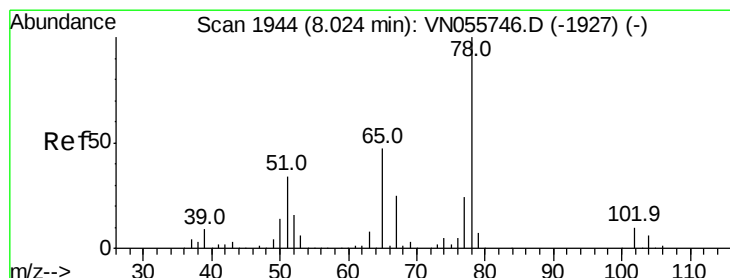
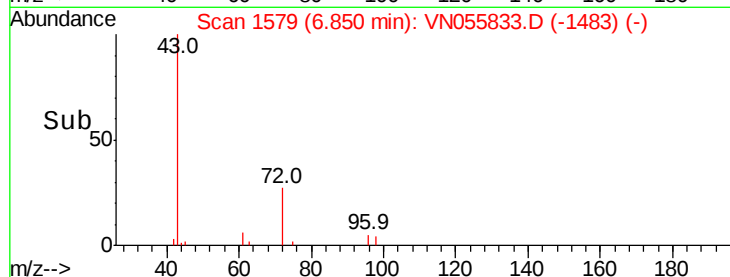
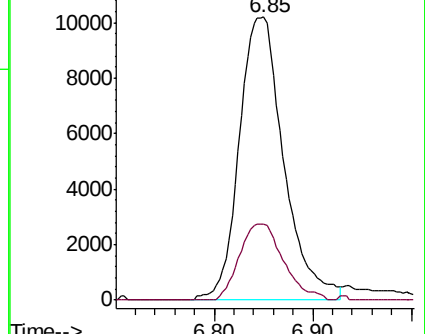
43 100

72 27.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN055833.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN055833.D (-1552) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.170 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055833.D

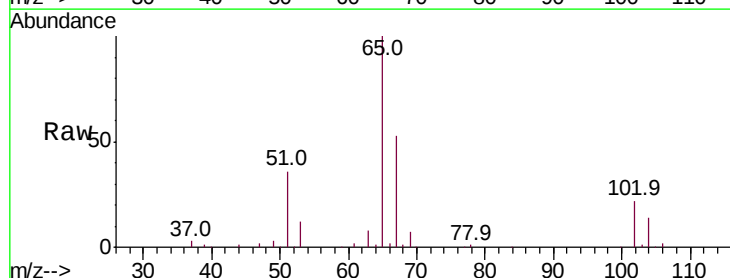
Acq: 25 May 2019 7:34

Tgt Ion: 65 Resp: 187634

Ion Ratio Lower Upper

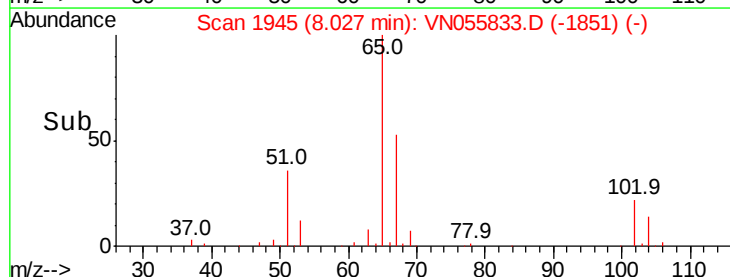
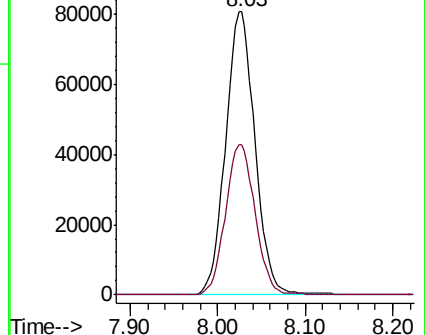
65 100

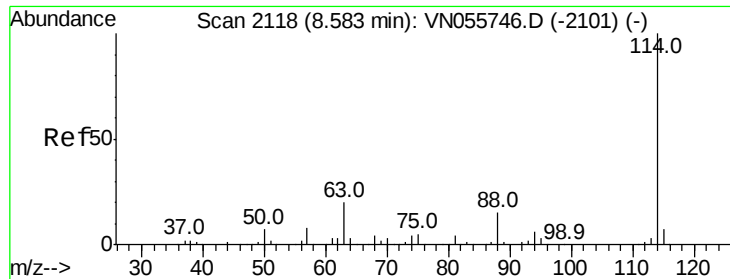
67 53.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055833.D (-1851) (-)

Ion 66.90 (66.60 to 67.60): VN055833.D (-1851) (-)

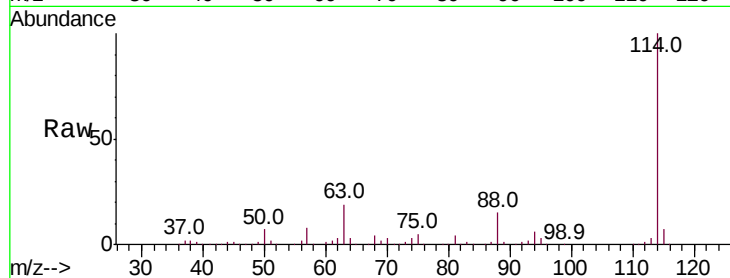




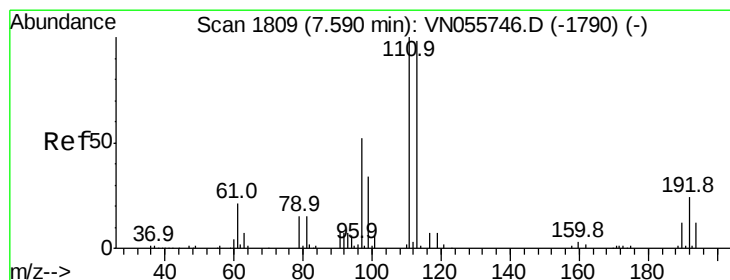
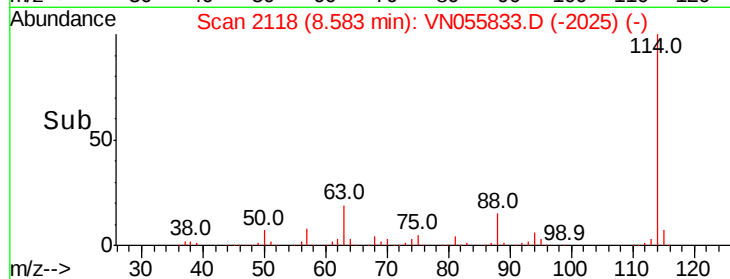
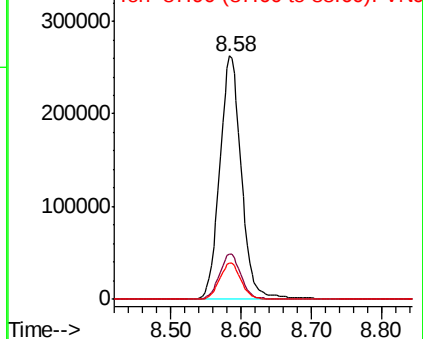
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:114 Resp: 561492
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.1 0.0 31.0

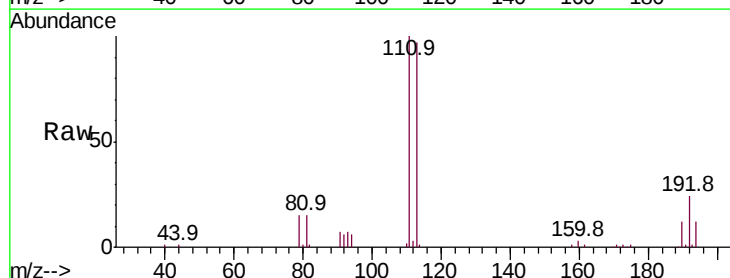


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

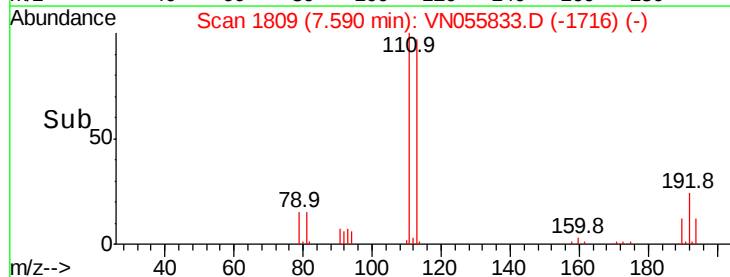
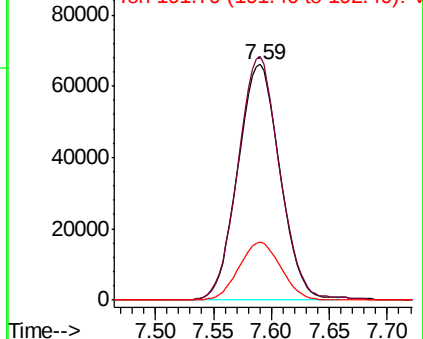


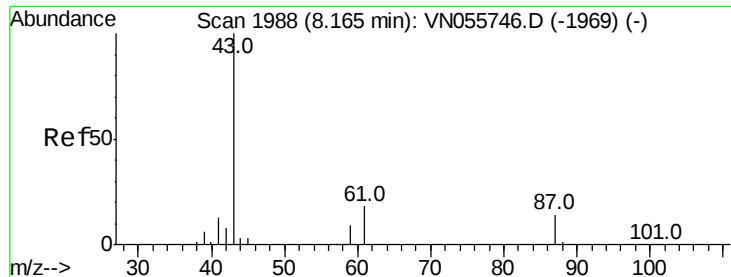
#35
 Dibromofluoromethane
 Concen: 47.119 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

Tgt Ion:113 Resp: 167271
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 24.6 19.5 29.3



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





#43

Isopropyl Acetate

Concen: 1.501 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

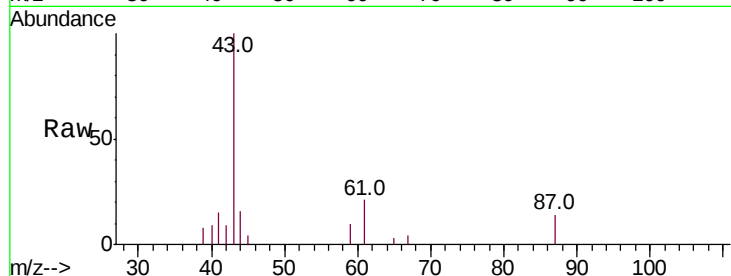
Tot Ion: 43 Resp: 11923

Ion Ratio Lower Upper

43 100

61 17.9 22.2 33.4#

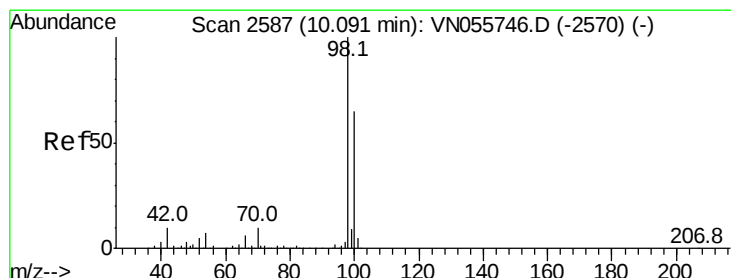
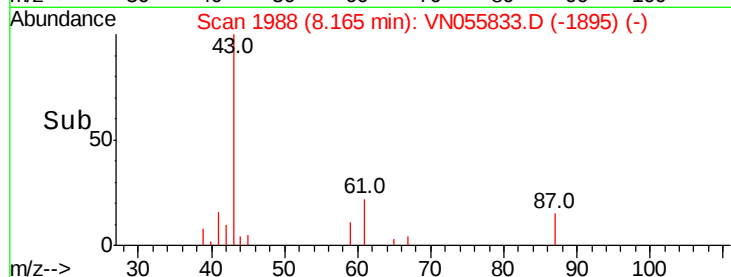
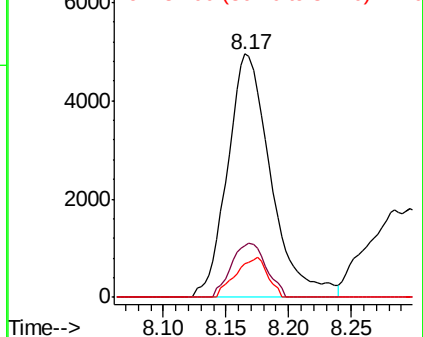
87 12.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.728 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055833.D

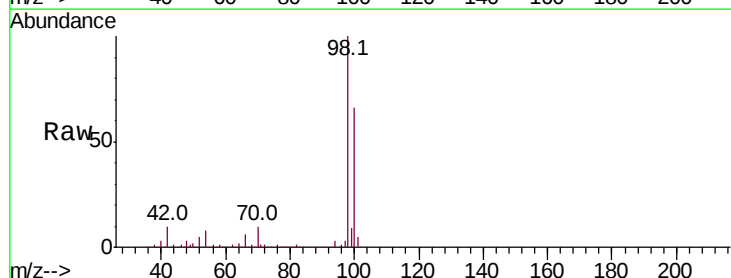
Acq: 25 May 2019 7:34

Tgt Ion: 98 Resp: 663537

Ion Ratio Lower Upper

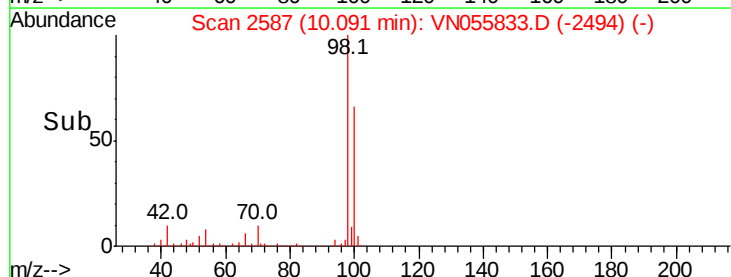
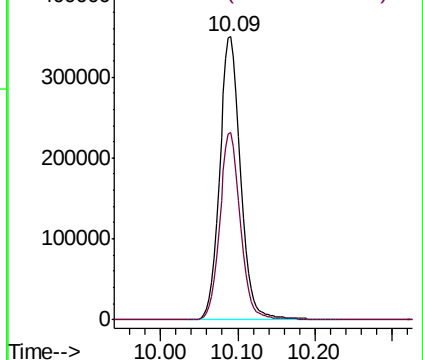
98 100

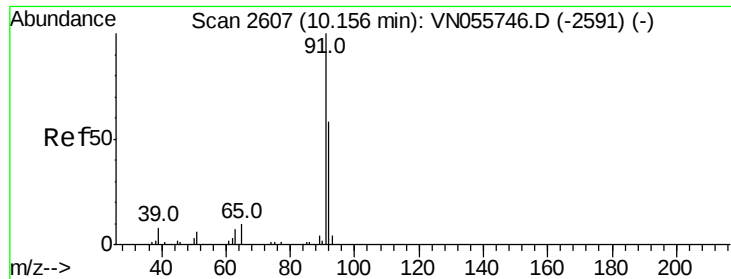
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 7.583 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

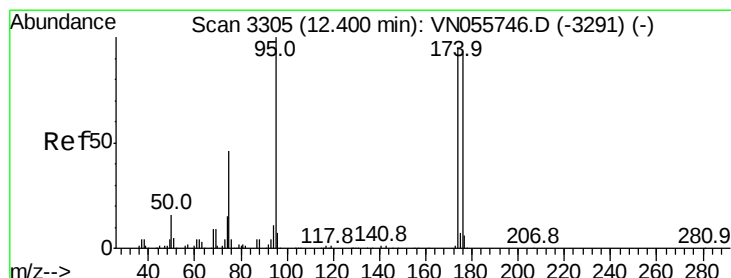
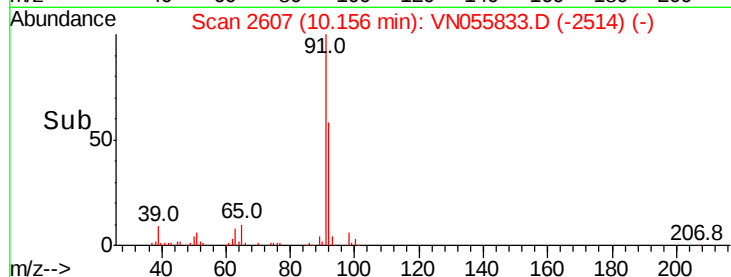
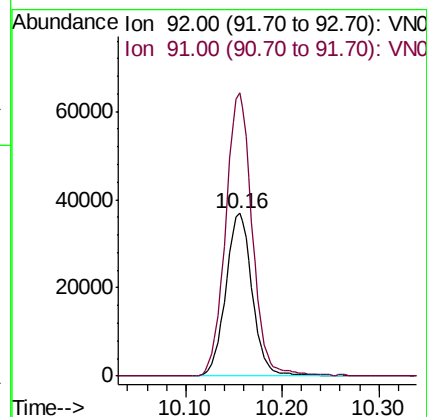
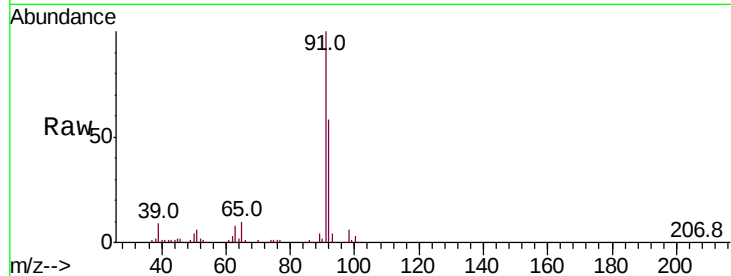
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 92 Resp: 70327

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 49.558 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

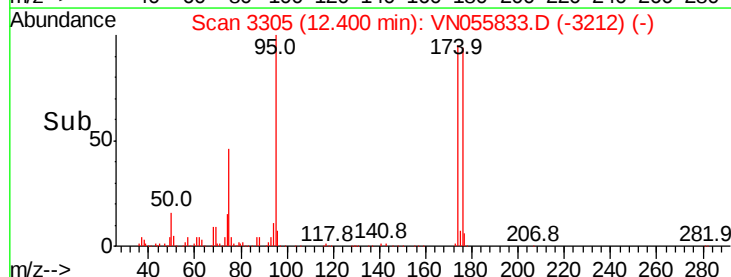
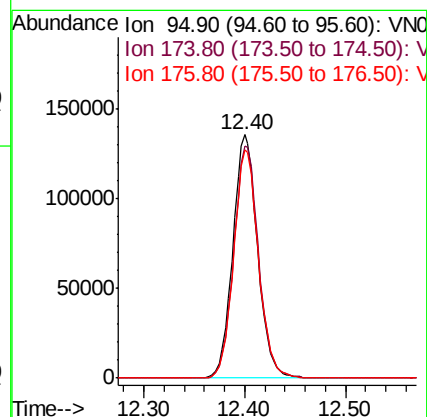
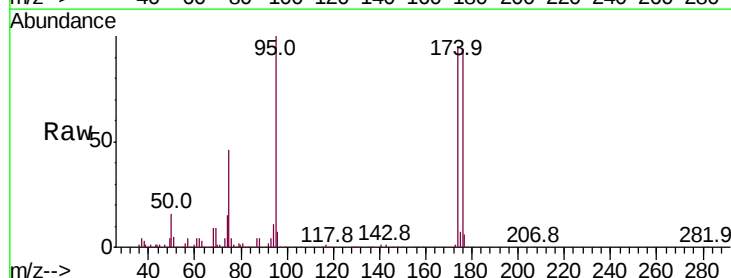
Tgt Ion: 95 Resp: 231395

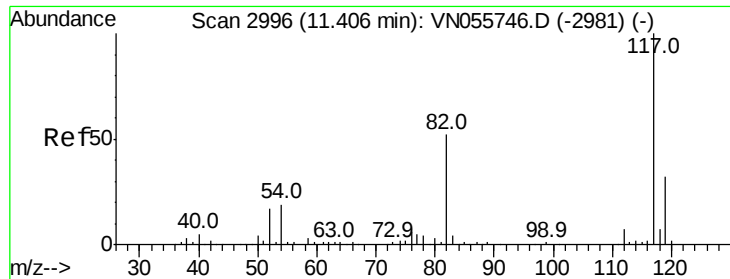
Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.0

176 93.5 0.0 185.2

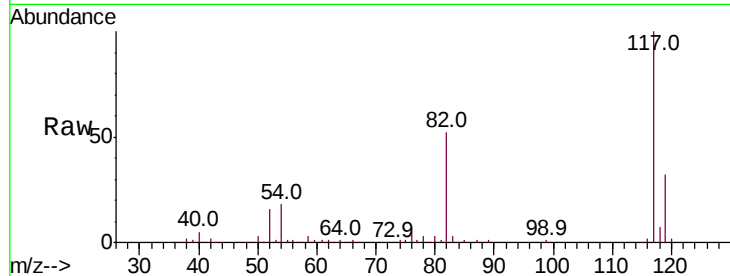




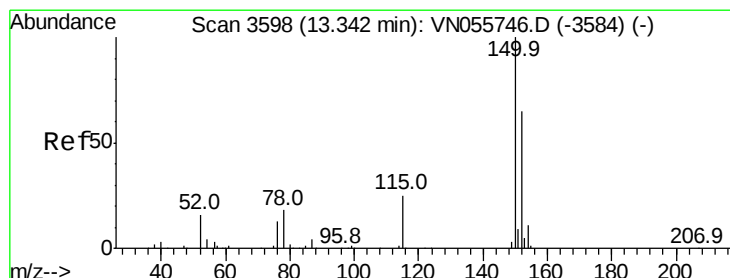
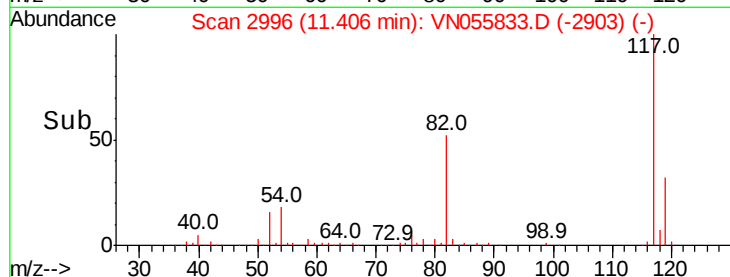
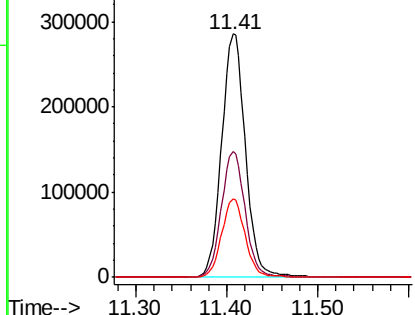
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-3(OWS)-

Tot Ion:117 Resp: 519613
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.4 25.4 38.0

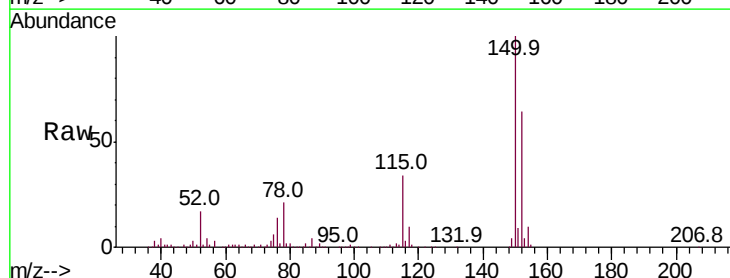


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

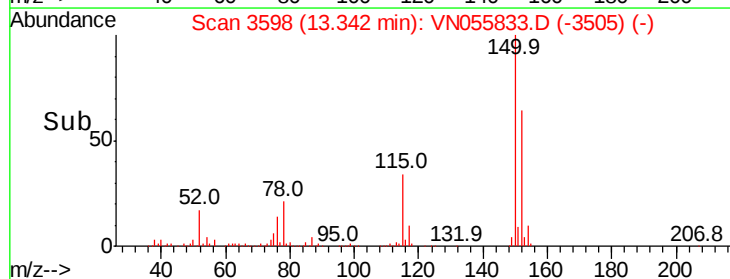
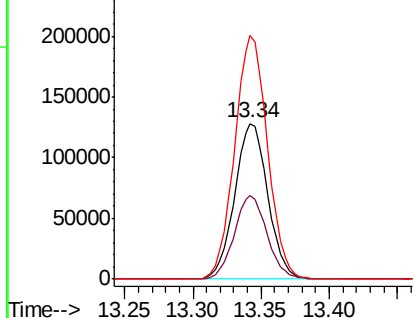


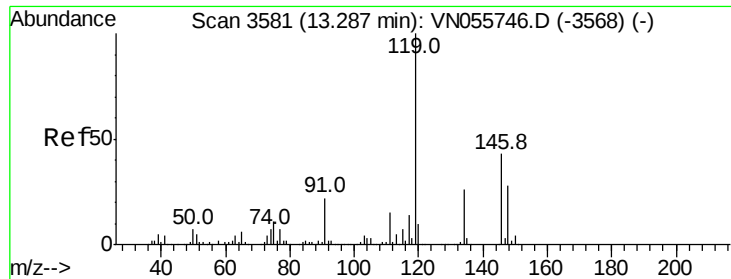
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion:152 Resp: 214779
Ion Ratio Lower Upper
152 100
115 53.1 27.0 81.0
150 155.9 0.0 343.2



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





#86

p-Isopropyltoluene

Concen: 1.068 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

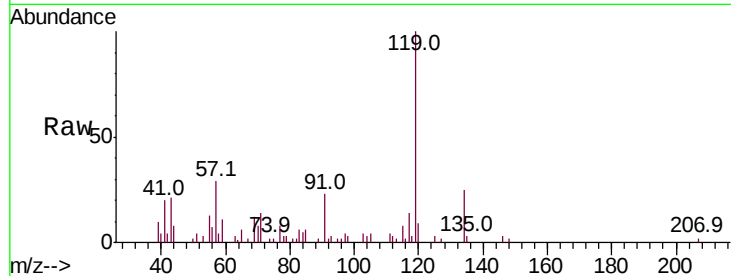
Tot Ion:119 Resp: 15923

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

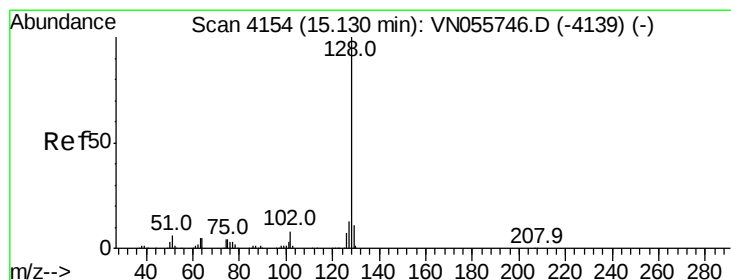
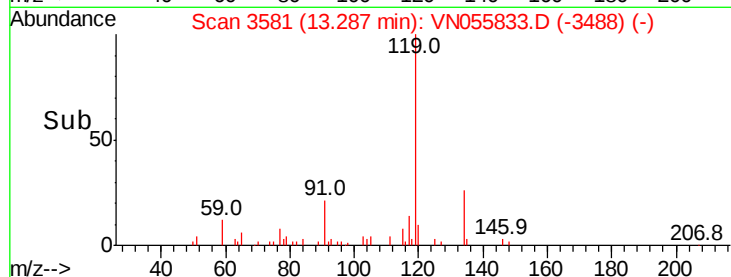
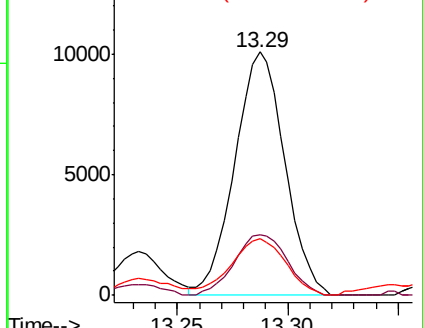
91 25.5 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 1.147 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

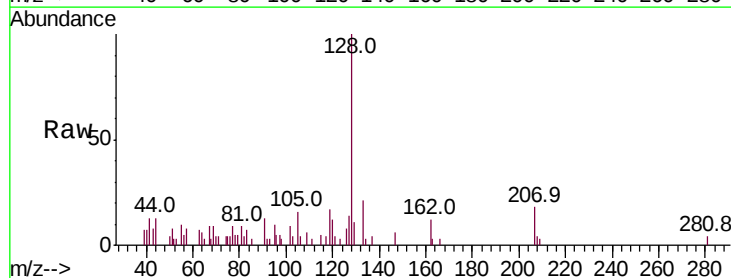
Tgt Ion:128 Resp: 11393

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 13.1 8.7 13.1#



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

