

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055088.D
 Acq On : 16 Apr 2019 19:31
 Operator : JC/SP
 Sample : K2421-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-1

Quant Time: Apr 17 03:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	862642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	724219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241679	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	336879	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	7.59	113	274142	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.09	98	1025859	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	300823	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

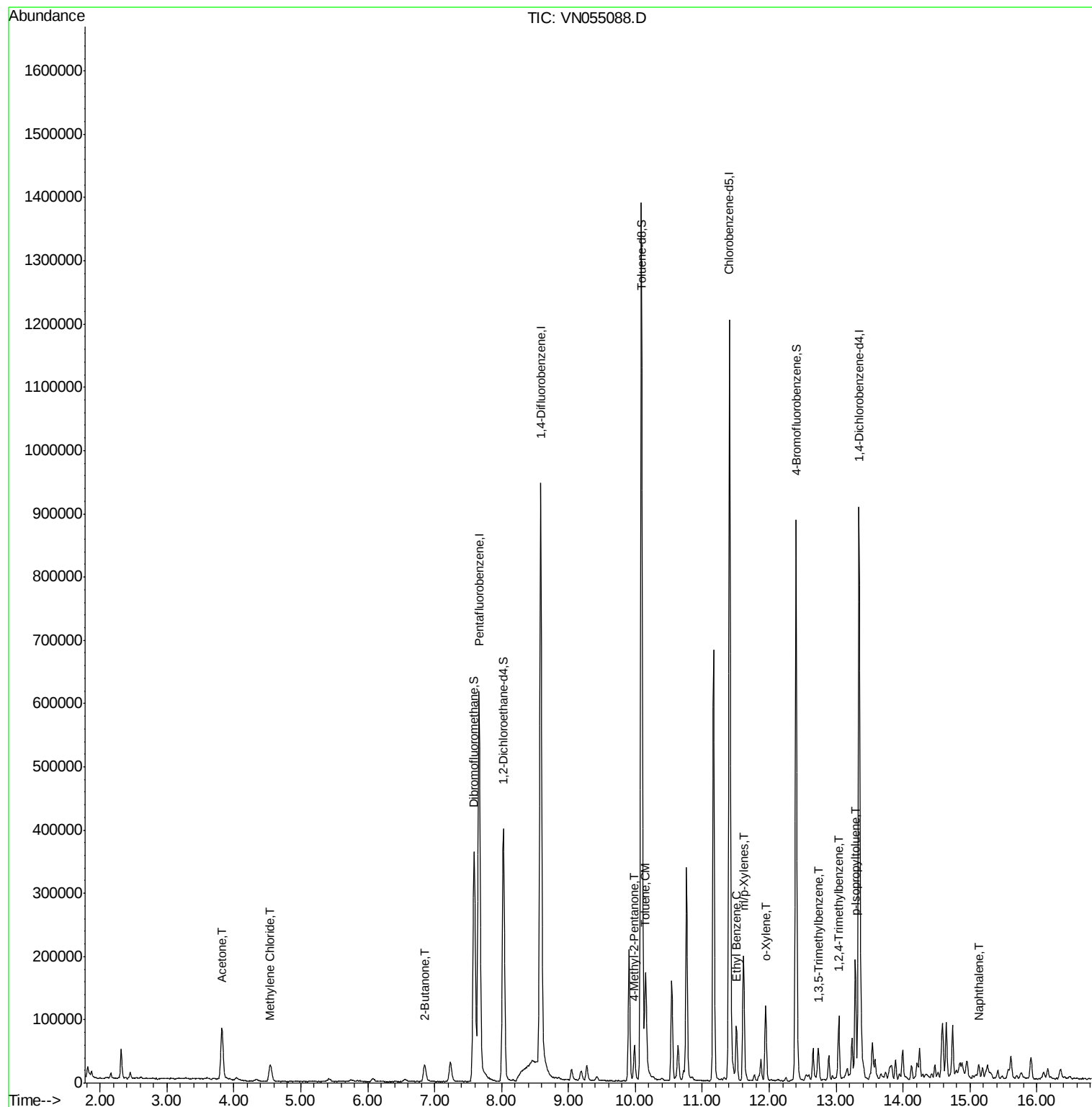
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	139256	72.061	ug/l	100
20) Methylene Chloride	4.54	84	17745	2.612	ug/l	93
25) 2-Butanone	6.85	43	48815	16.925	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	42189	7.159	ug/l	98
52) Toluene	10.15	92	63640	4.534	ug/l	96
67) Ethyl Benzene	11.51	91	57853	2.222	ug/l	95
68) m/p-Xylenes	11.62	106	59354	6.296	ug/l	99
69) o-Xylene	11.95	106	32626	3.573	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	23922	1.382	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	57103	3.482	ug/l	98
86) p-Isopropyltoluene	13.29	119	104417	6.535	ug/l	99
95) Naphthalene	15.13	128	18295	5.060	ug/l	97

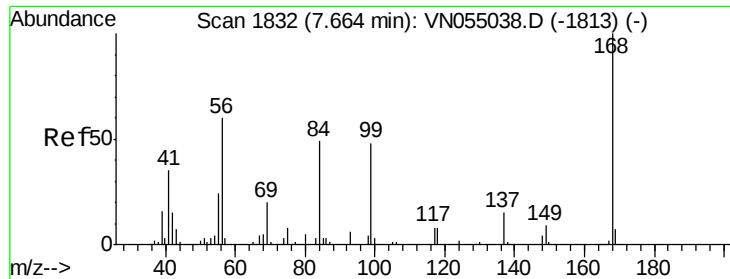
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN055088.D

Acq: 16 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

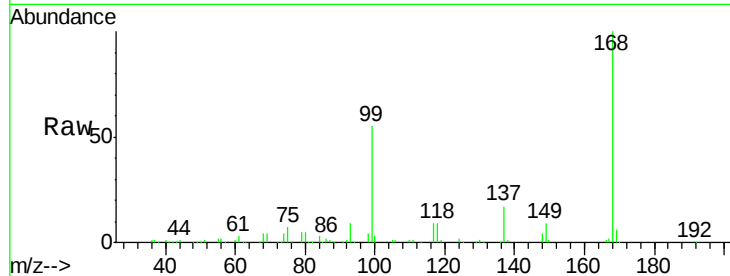
OIL-WATER-SEPARATOR-1

Tot Ion:168 Resp: 535635

Ion Ratio Lower Upper

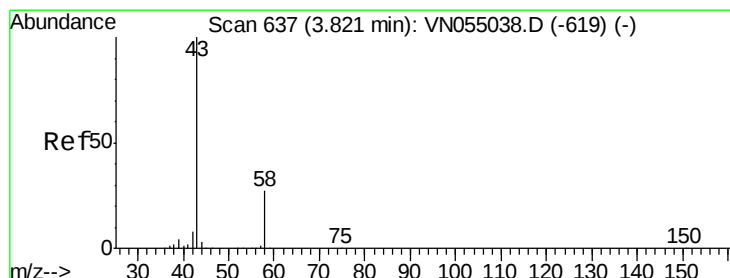
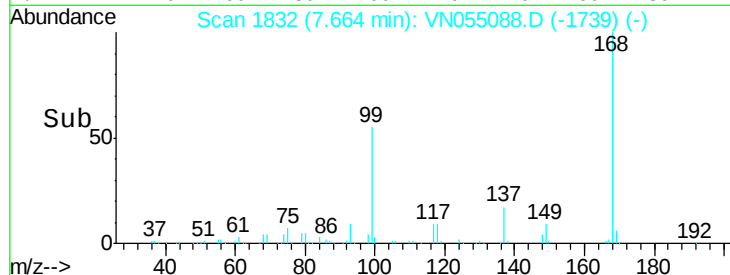
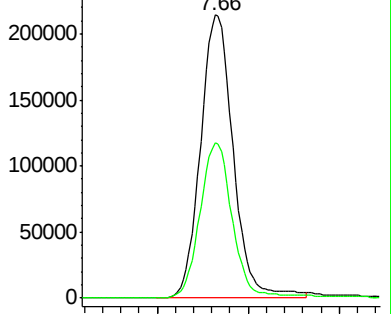
168 100

99 54.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 72.061 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055088.D

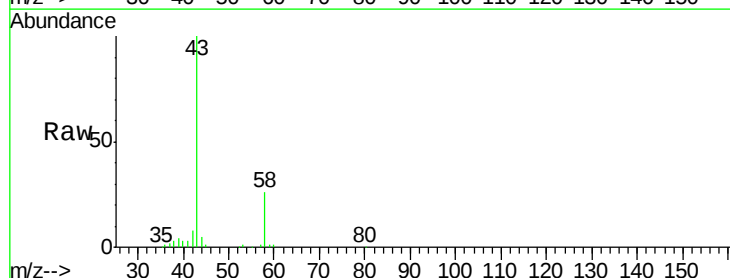
Acq: 16 Apr 2019 19:31

Tgt Ion: 43 Resp: 139256

Ion Ratio Lower Upper

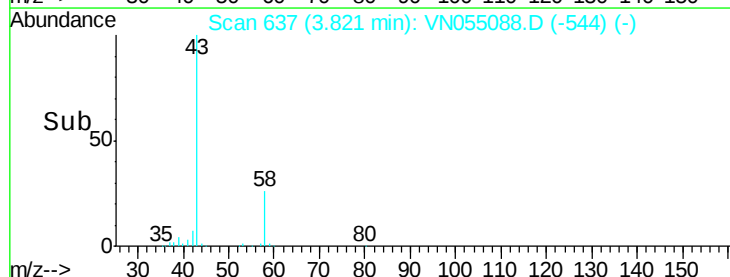
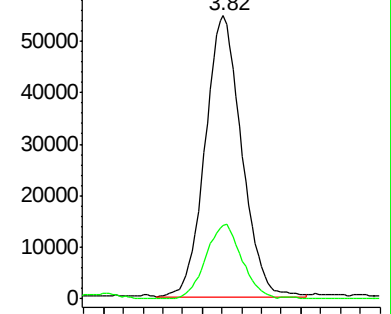
43 100

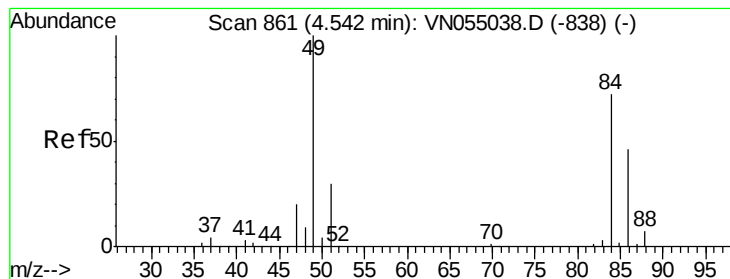
58 26.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methvlene Chloride

Concen: 2.612 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPERATOR-1

Tot Ion: 84 Resp: 17745

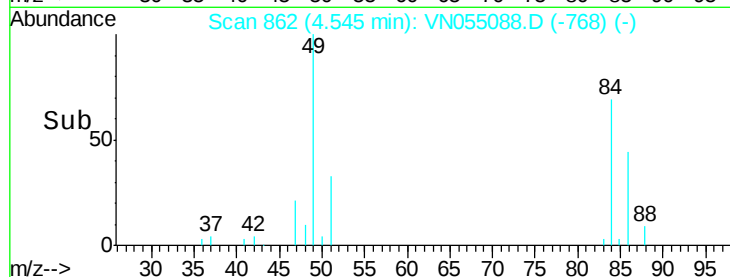
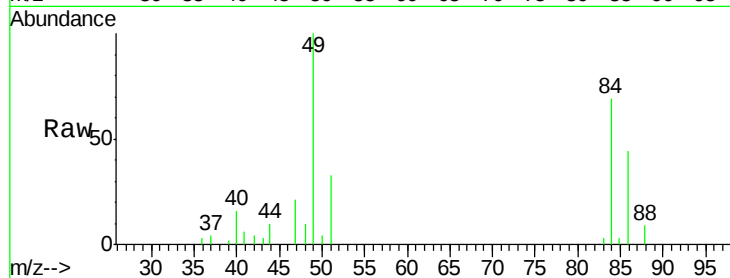
Ion Ratio Lower Upper

84 100

49 144.9 109.4 164.2

51 48.0 32.2 48.4

86 64.4 49.3 73.9

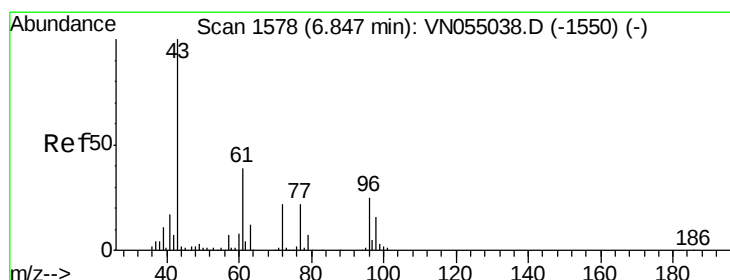
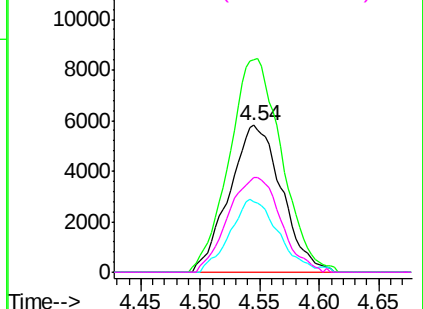


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#25

2-Butanone

Concen: 16.925 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055088.D

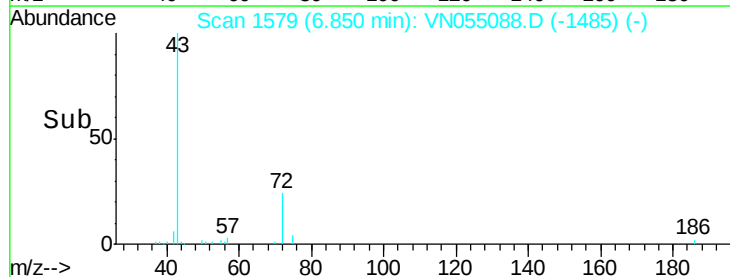
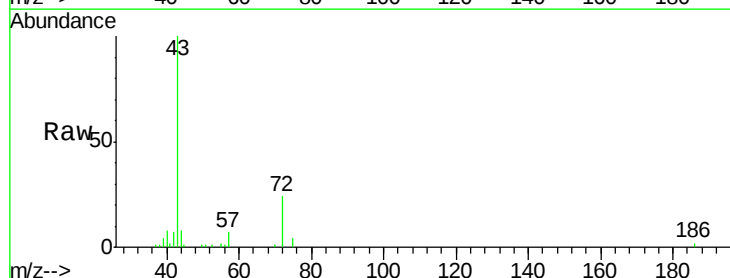
Acq: 16 Apr 2019 19:31

Tgt Ion: 43 Resp: 48815

Ion Ratio Lower Upper

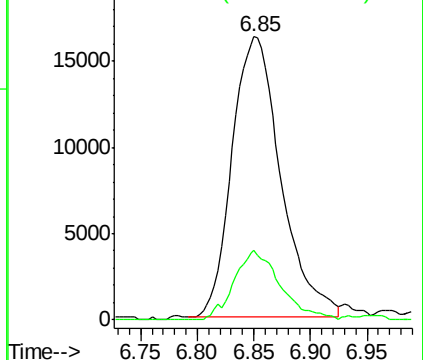
43 100

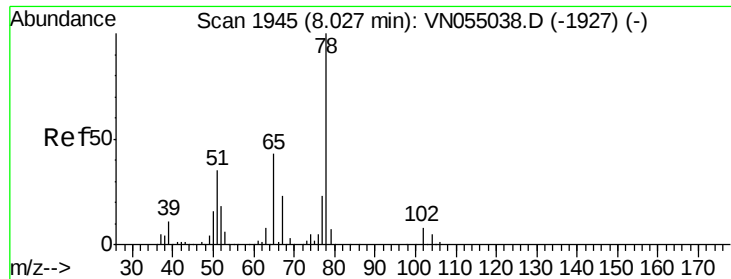
72 24.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.315 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

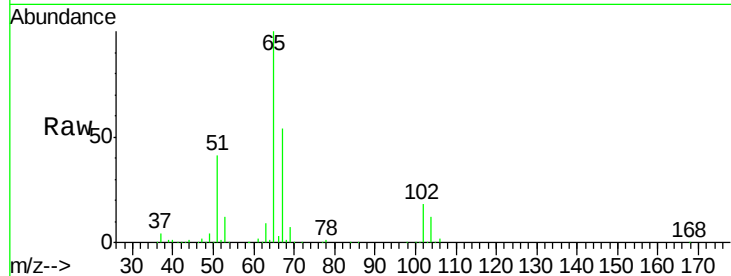
OIL-WATER-SEPERATOR-1

Tot Ion: 65 Resp: 336879

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055088.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055088.D (-1852) (-)

8.03

150000

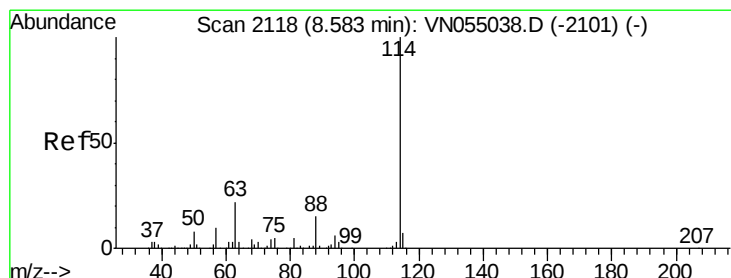
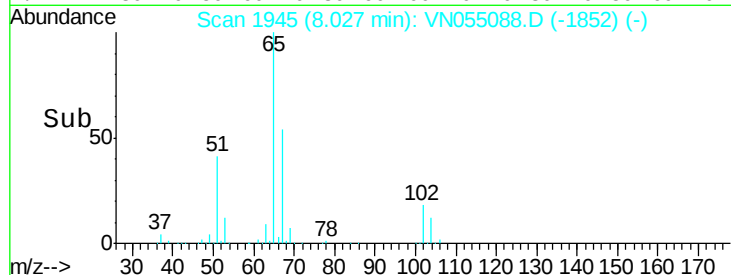
100000

50000

0

8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

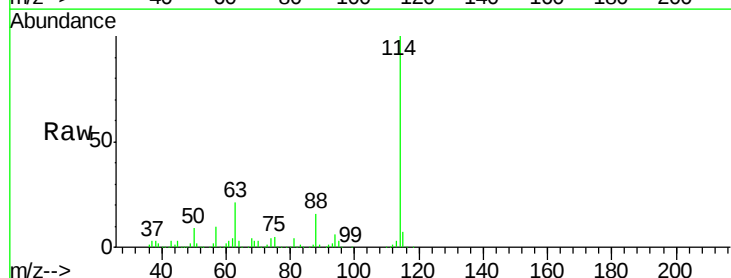
Tgt Ion: 114 Resp: 862642

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.2

88 15.6 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): VN055088.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055088.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055088.D (-2025) (-)

8.58

500000

400000

300000

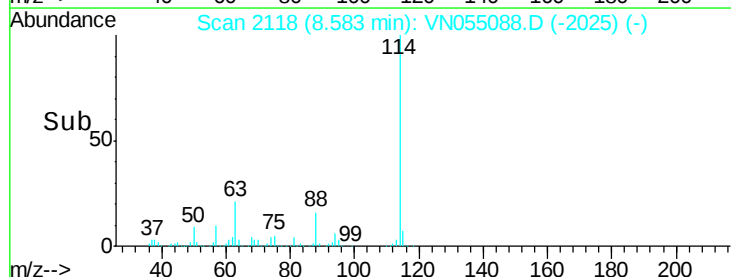
200000

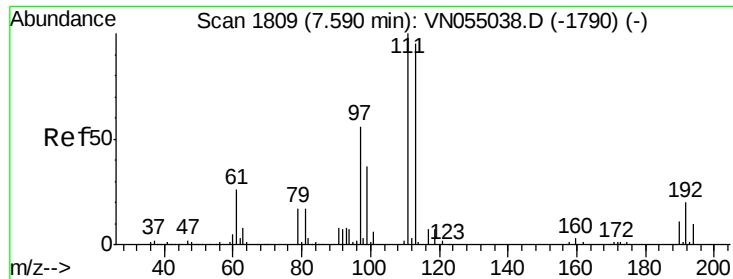
100000

0

8.50 8.60 8.70 8.80

Time-->

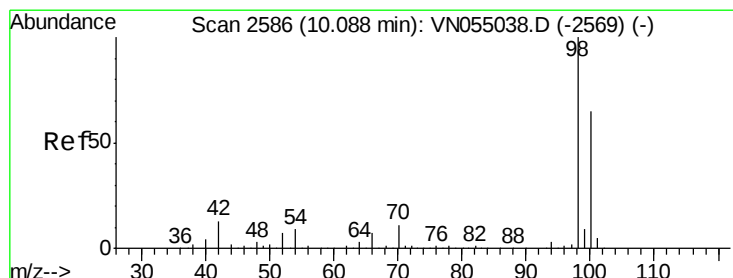
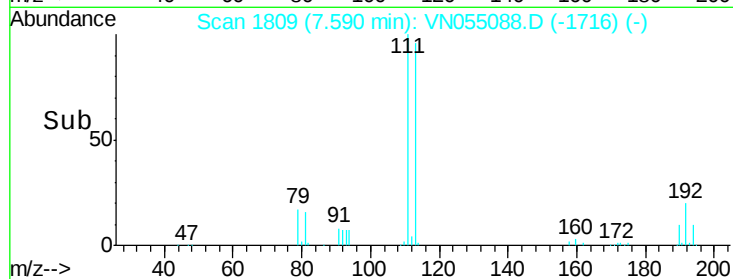
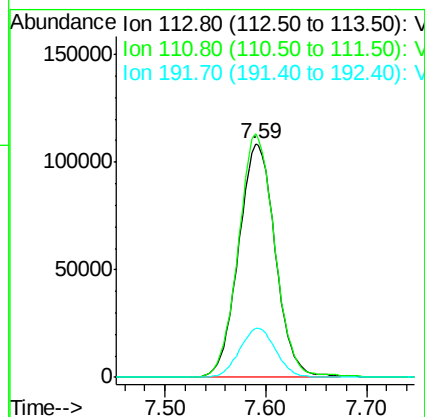
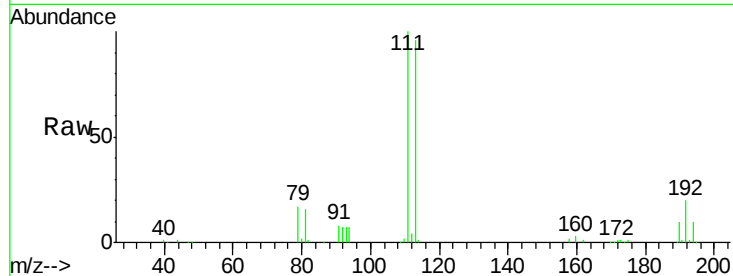




#35
 Dibromofluoromethane
 Concen: 47.552 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

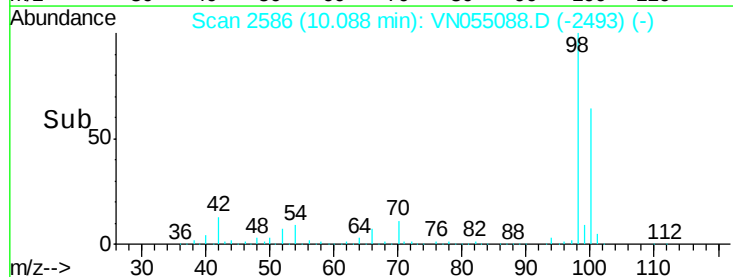
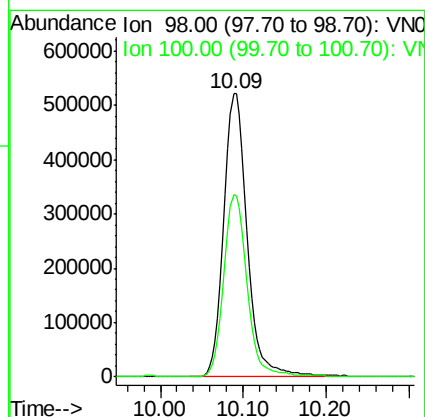
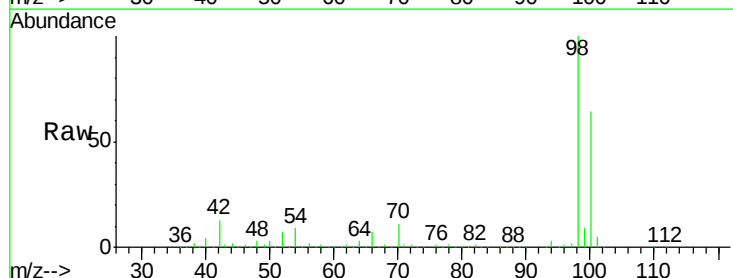
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-1

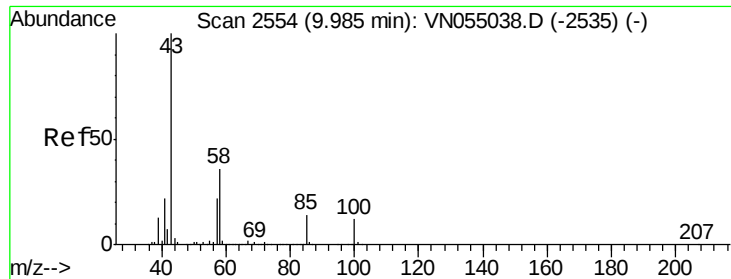
Tot Ion:113 Resp: 274142
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.1 123.1
 192 20.8 16.5 24.7



#50
 Toluene-d8
 Concen: 49.718 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

Tgt Ion: 98 Resp: 1025859
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 7.159 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

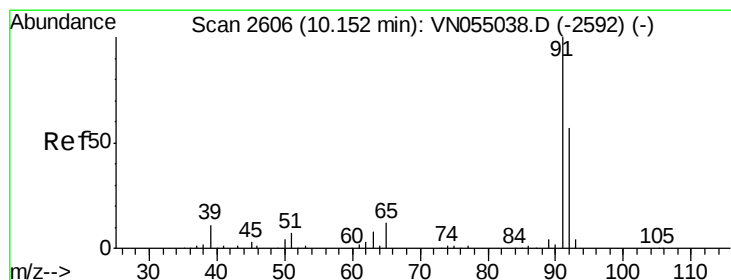
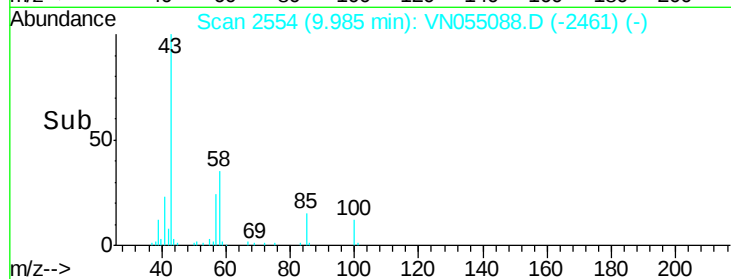
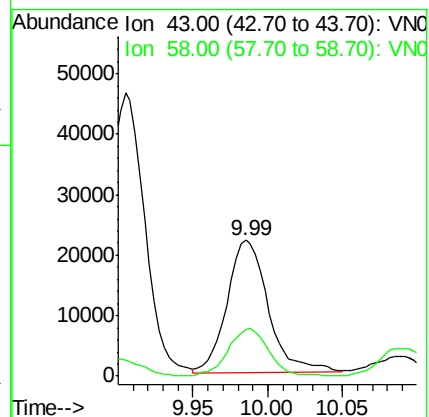
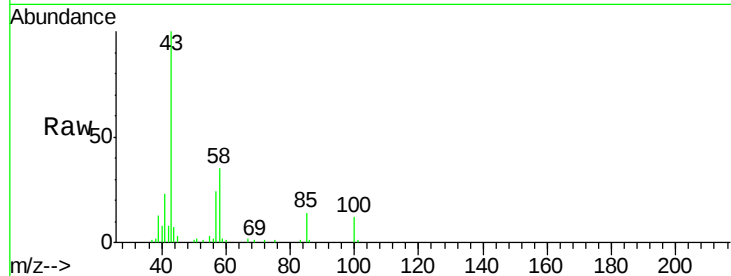
OIL-WATER-SEPARATOR-1

Tot Ion: 43 Resp: 42189

Ion Ratio Lower Upper

43 100

58 35.1 29.0 43.4



#52

Toluene

Concen: 4.534 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055088.D

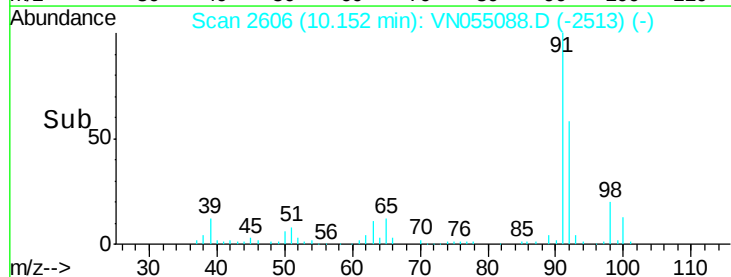
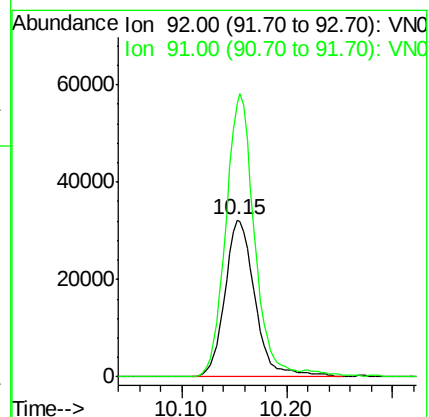
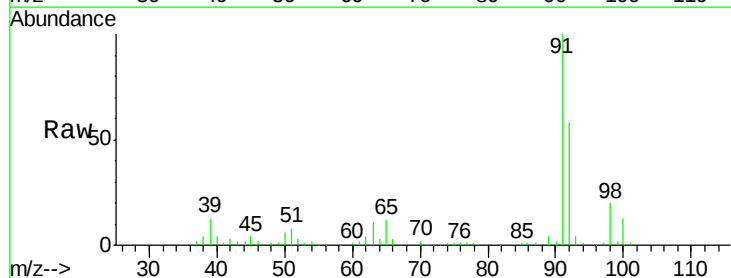
Acq: 16 Apr 2019 19:31

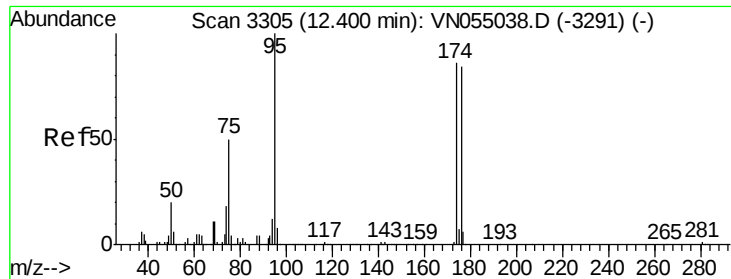
Tgt Ion: 92 Resp: 63640

Ion Ratio Lower Upper

92 100

91 170.2 140.8 211.2





#62

4-Bromofluorobenzene

Concen: 44.845 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPERATOR-1

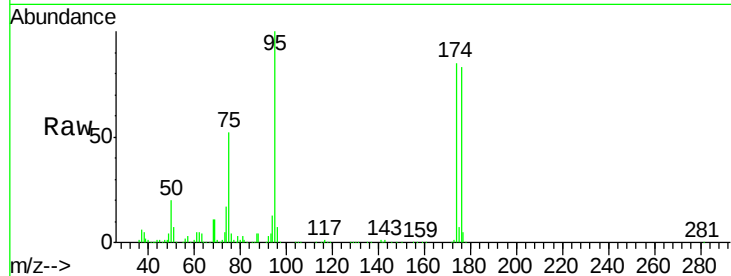
Tot Ion: 95 Resp: 300823

Ion Ratio Lower Upper

95 100

174 84.6 0.0 174.4

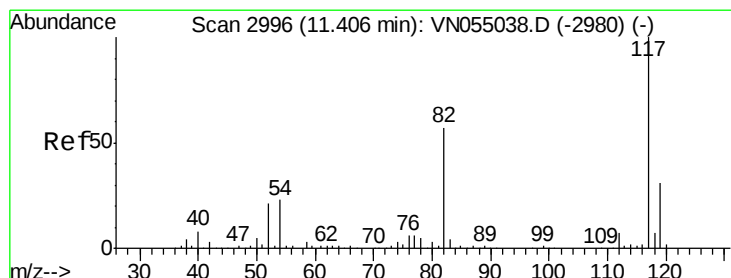
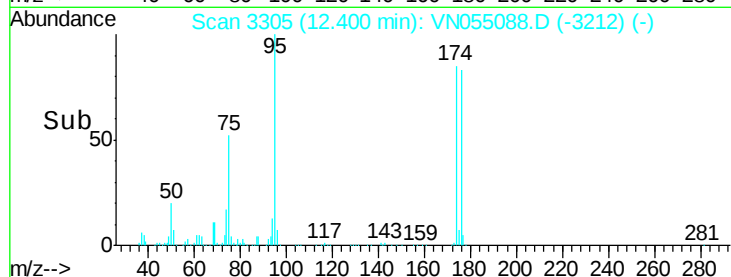
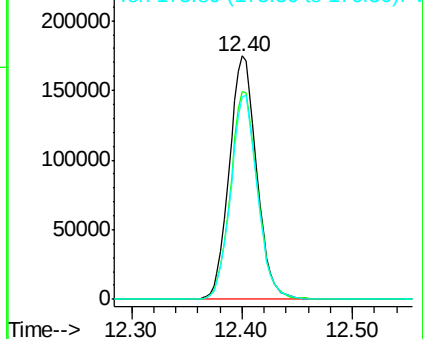
176 81.9 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055088.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055088.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055088.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055088.D

Acq: 16 Apr 2019 19:31

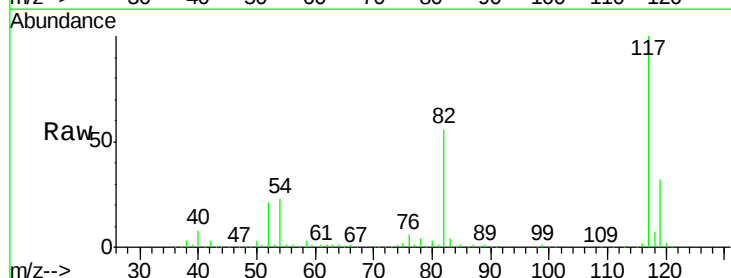
Tgt Ion: 117 Resp: 724219

Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

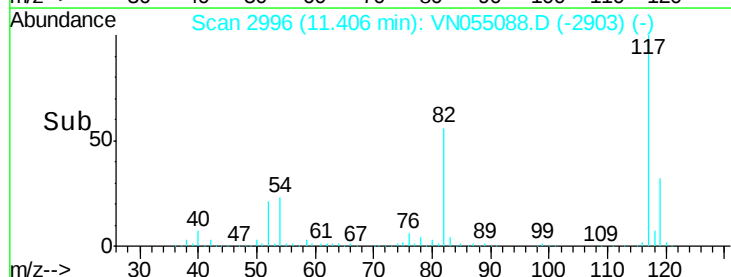
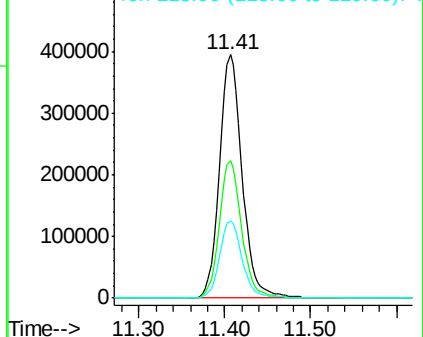
119 31.7 25.5 38.3

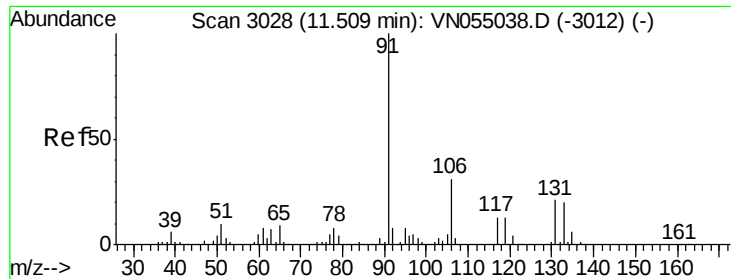


Abundance Ion 116.90 (116.60 to 117.60): VN055088.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055088.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055088.D (-2903) (-)

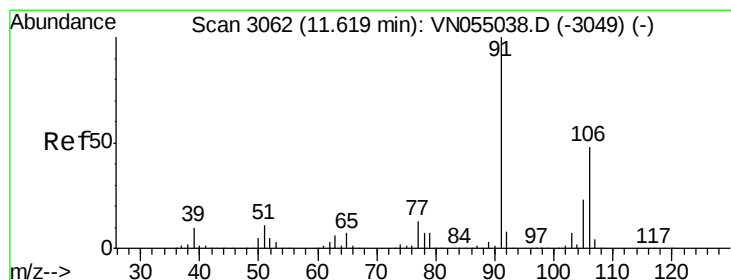
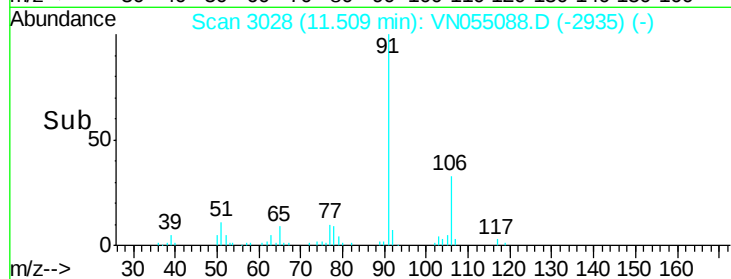
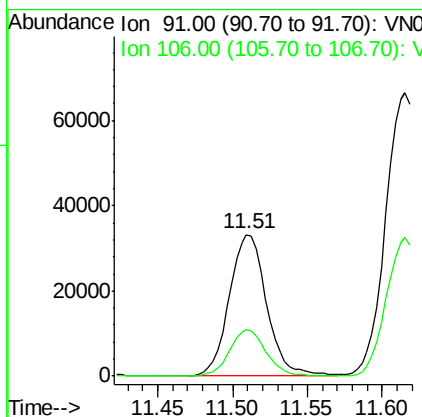
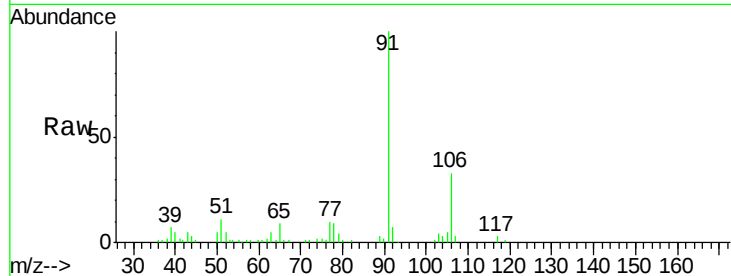




#67
Ethyl Benzene
Concen: 2.222 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055088.D
Acq: 16 Apr 2019 19:31

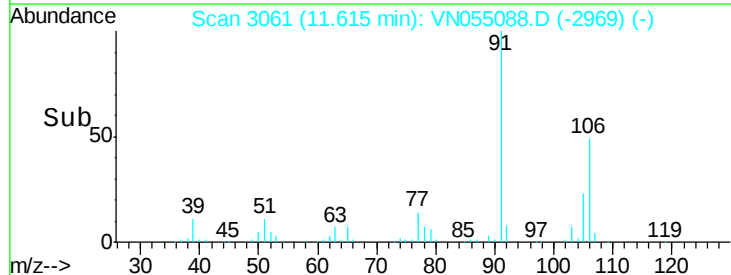
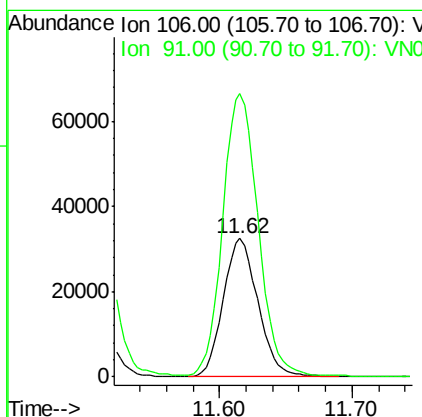
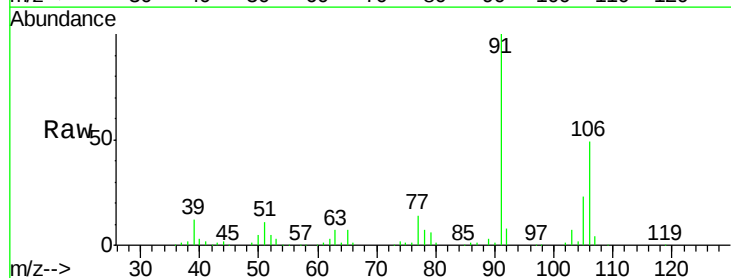
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-1

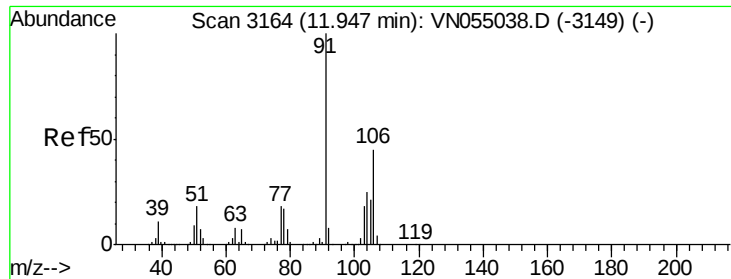
Tot Ion: 91 Resp: 57853
Ion Ratio Lower Upper
91 100
106 33.1 24.3 36.5



#68
m/p-Xylenes
Concen: 6.296 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055088.D
Acq: 16 Apr 2019 19:31

Tgt Ion: 106 Resp: 59354
Ion Ratio Lower Upper
106 100
91 206.4 165.9 248.9

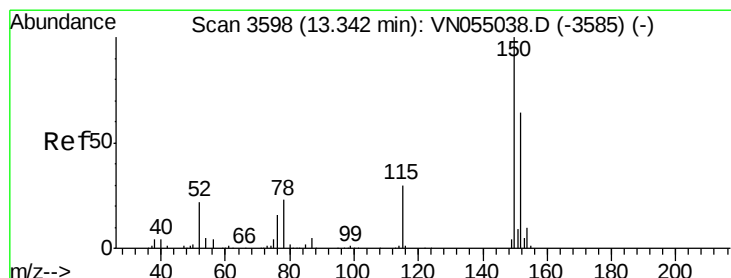
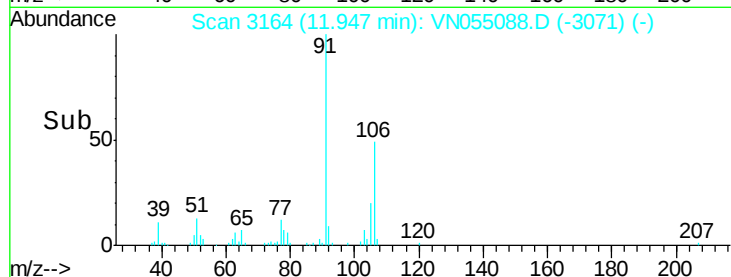
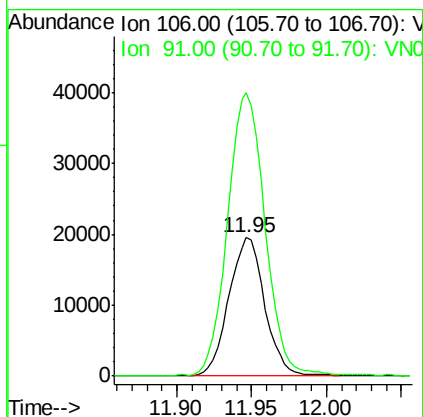
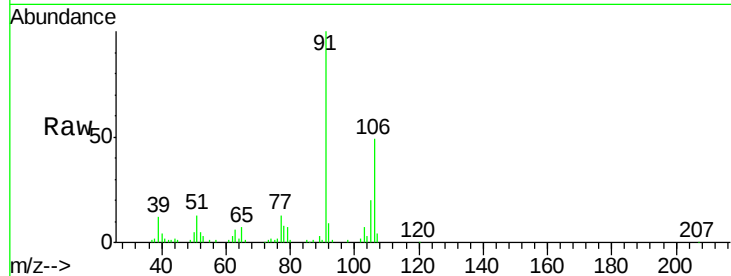




#69
o-Xylene
Concen: 3.573 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055088.D
Acq: 16 Apr 2019 19:31

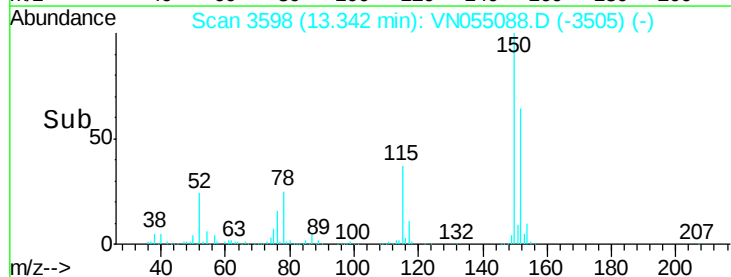
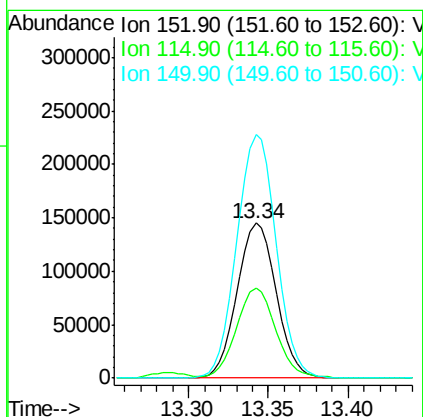
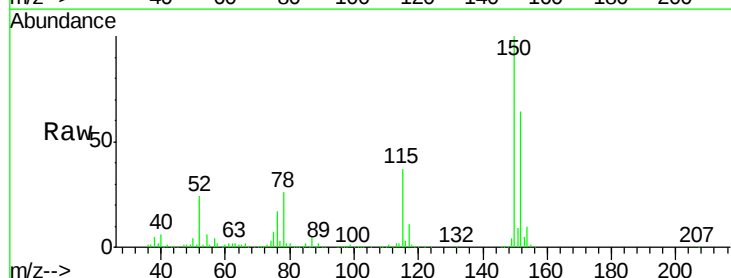
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-1

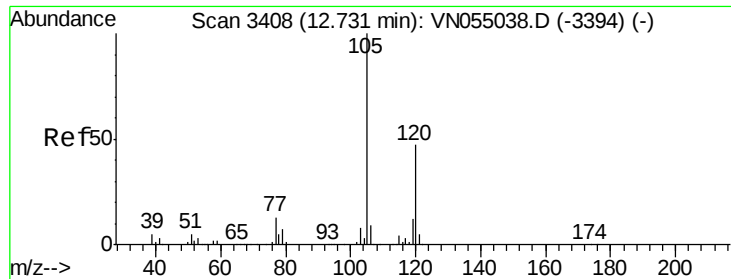
Tot Ion:106 Resp: 32626
Ion Ratio Lower Upper
106 100
91 214.4 109.9 329.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055088.D
Acq: 16 Apr 2019 19:31

Tgt Ion:152 Resp: 241679
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.6
150 158.3 0.0 347.2

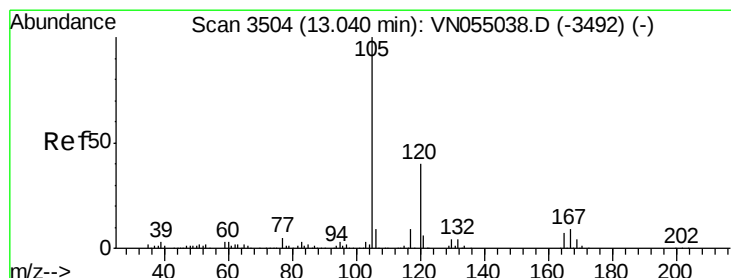
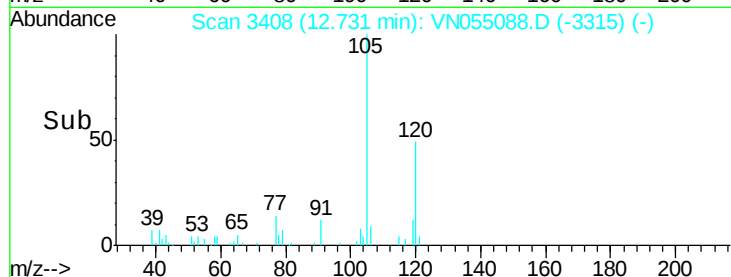
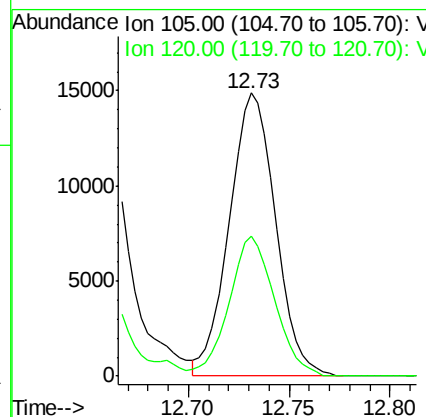
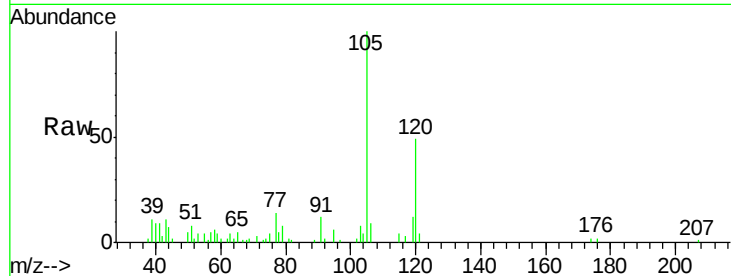




#80
 1,3,5-Trimethylbenzene
 Concen: 1.382 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

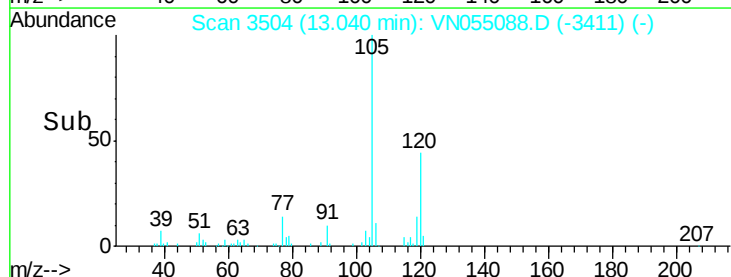
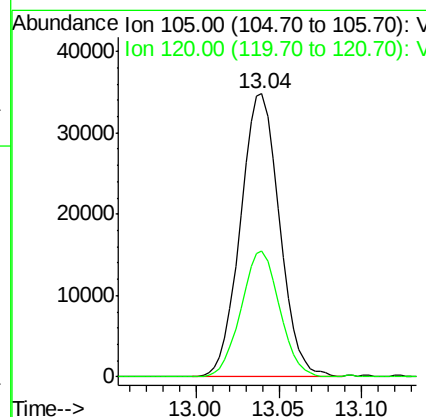
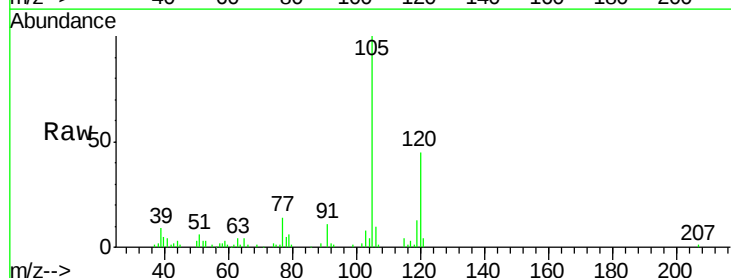
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-1

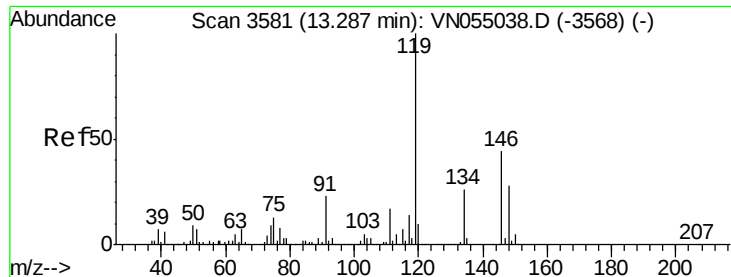
Tot Ion:105 Resp: 23922
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 3.482 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

Tgt Ion:105 Resp: 57103
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.3

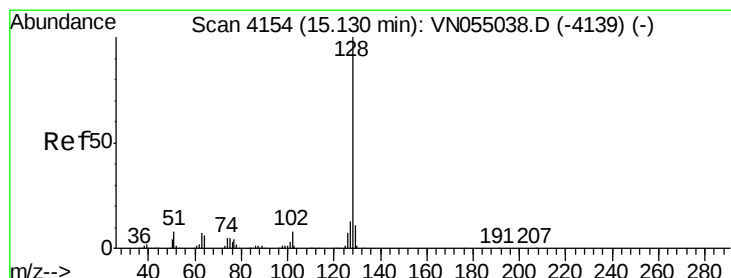
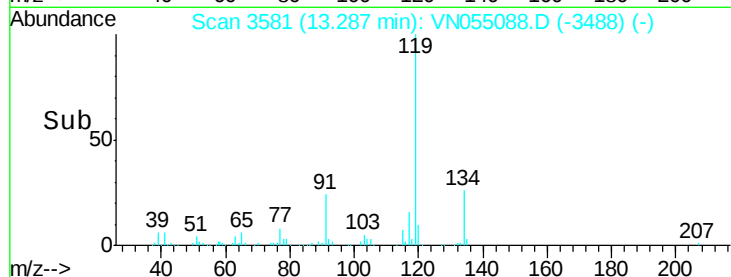
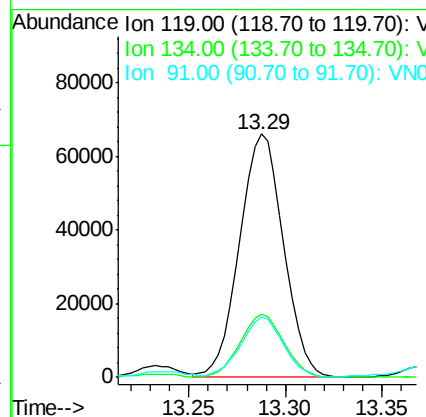
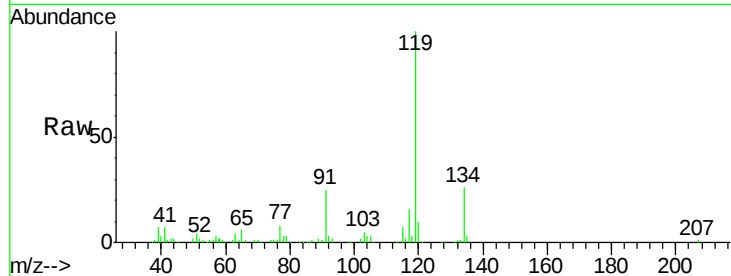




#86
 p-Isopropyltoluene
 Concen: 6.535 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

Tot Ion:119 Resp: 104417
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.2 39.5
 91 23.5 11.7 35.1



#95
 Naphthalene
 Concen: 5.060 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN055088.D
 Acq: 16 Apr 2019 19:31

Tgt Ion:128 Resp: 18295
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.1 15.1
 129 12.8 8.8 13.2

