

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053967.D
 Acq On : 26 Feb 2019 20:38
 Operator : JC/SP
 Sample : K1608-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Feb 27 03:31:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	572474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1071703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1061939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465342	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	373853	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	7.59	113	342813	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.09	98	1370603	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.40	95	498326	57.98	ug/l	0.00
Spiked Amount			Recovery	=	115.96%	

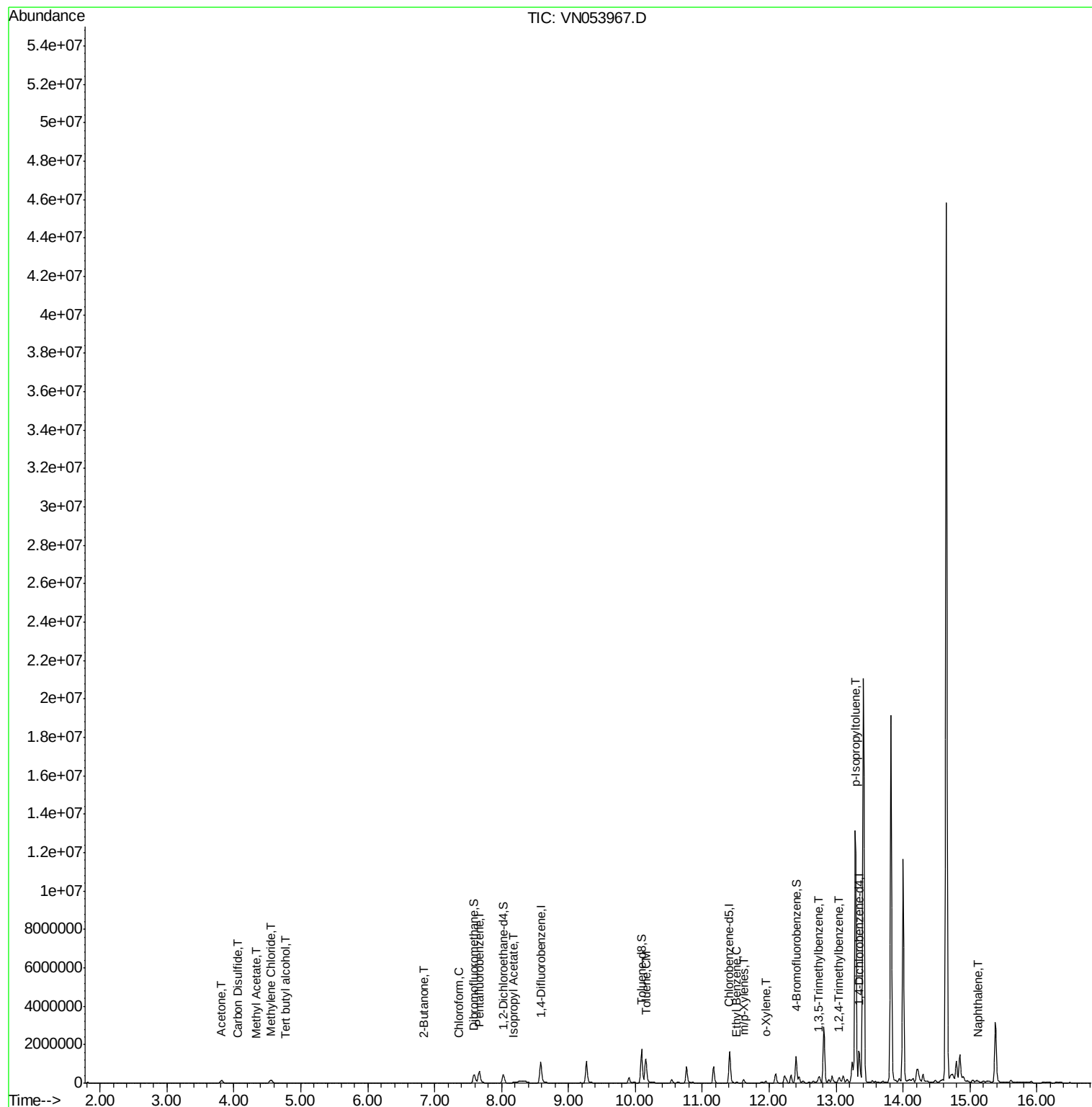
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	14369	33.776	ug/l	98
16) Acetone	3.82	43	221335	118.188	ug/l	95
17) Carbon Disulfide	4.06	76	18520	1.016	ug/l	100
18) Methyl Acetate	4.33	43	6965	1.484	ug/l	93
20) Methylene Chloride	4.55	84	100114	15.073	ug/l	89
25) 2-Butanone	6.84	43	38438	14.588	ug/l	99
30) Chloroform	7.37	83	14921	1.312	ug/l	93
43) Isopropyl Acetate	8.18	43	33389	2.779	ug/l #	86
52) Toluene	10.16	92	589323	32.688	ug/l	96
67) Ethyl Benzene	11.51	91	47514	1.265	ug/l	97
68) m/p-Xylenes	11.62	106	54961	3.876	ug/l	96
69) o-Xylene	11.95	106	31057	2.229	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	31958	1.078	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	120061	4.055	ug/l	97
86) p-Isopropyltoluene	13.29	119	7718496	254.870	ug/l	98
95) Naphthalene	15.13	128	26802	4.573	ug/l	95

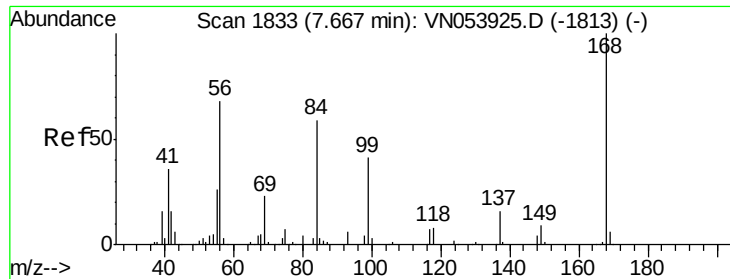
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053967.D

Acq: 26 Feb 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

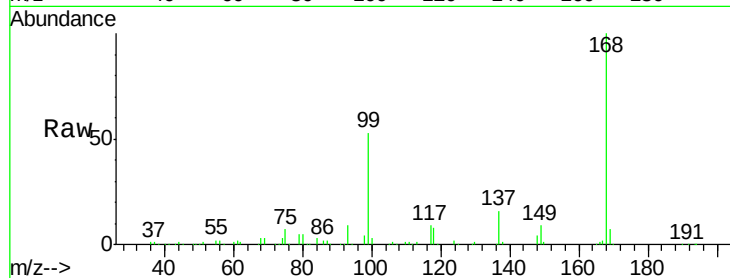
OIL-WATER-SEPARATOR-1

Tgt Ion:168 Resp: 572474

Ion Ratio Lower Upper

168 100

99 53.0 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

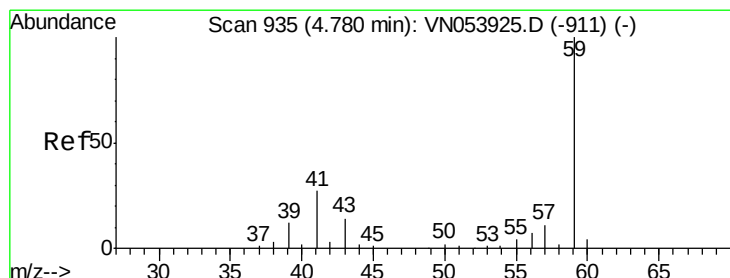
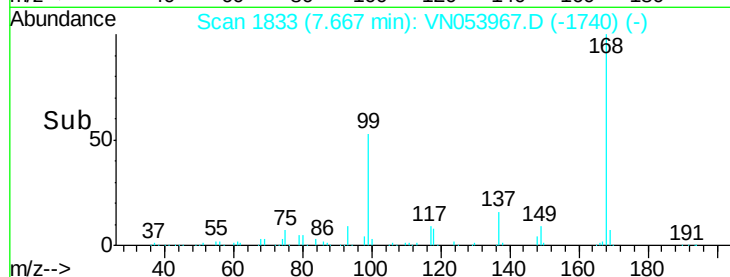
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 33.776 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN053967.D

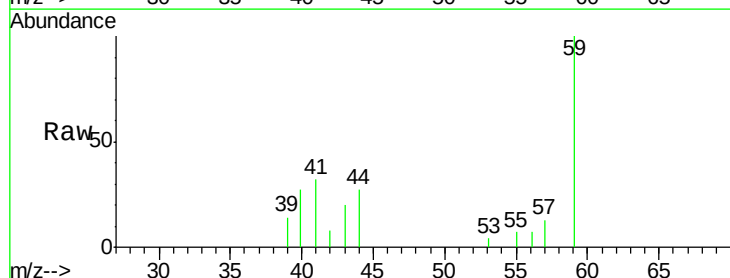
Acq: 26 Feb 2019 20:38

Tgt Ion: 59 Resp: 14369

Ion Ratio Lower Upper

59 100

57 10.7 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

4000

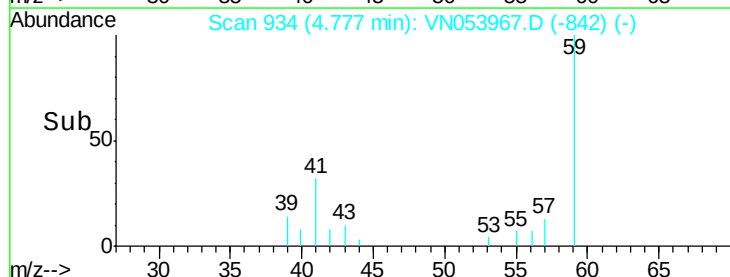
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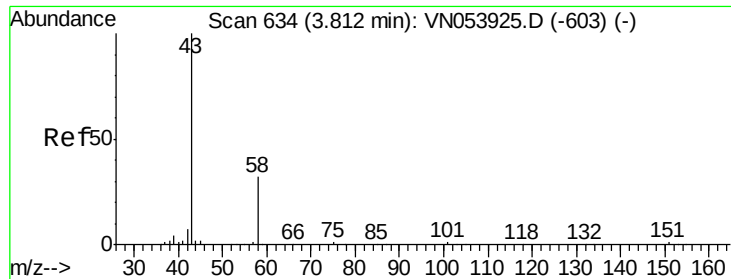
2000

1000

0

Time-->





#16

Acetone

Concen: 118.188 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053967.D

Acq: 26 Feb 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

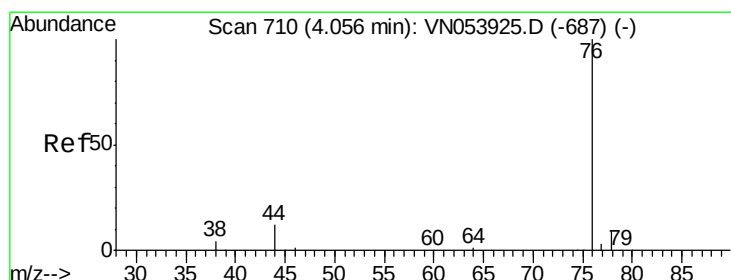
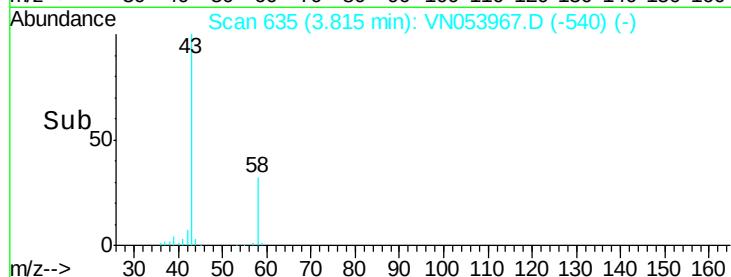
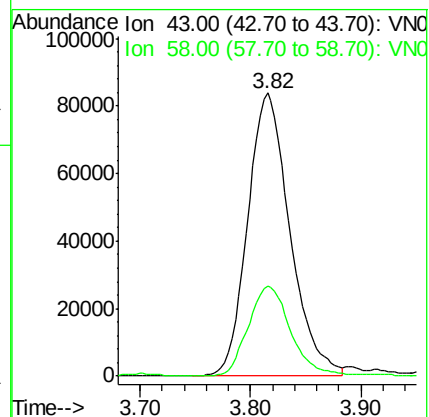
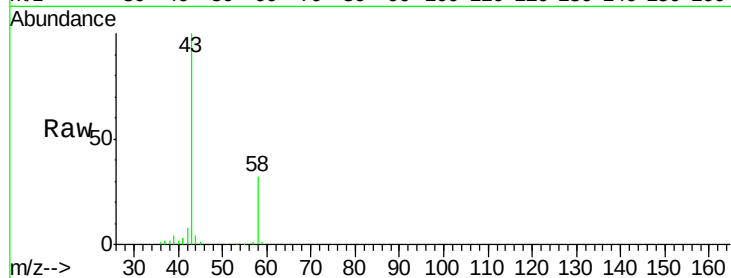
OIL-WATER-SEPERATOR-1

Tgt Ion: 43 Resp: 221335

Ion Ratio Lower Upper

43 100

58 31.7 27.6 41.4



#17

Carbon Disulfide

Concen: 1.016 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053967.D

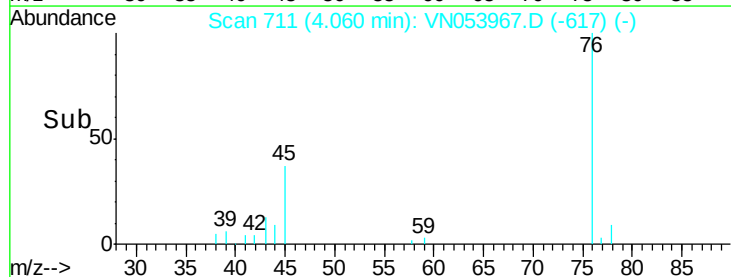
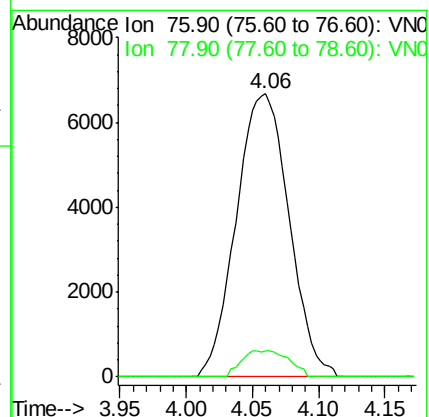
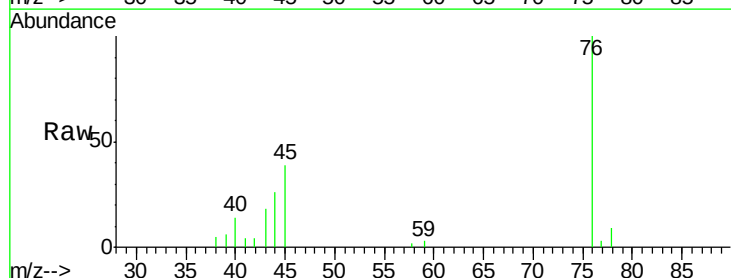
Acq: 26 Feb 2019 20:38

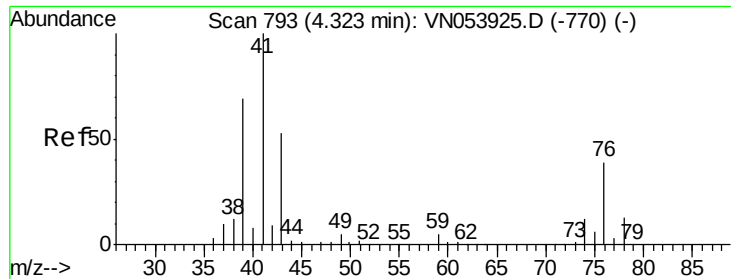
Tgt Ion: 76 Resp: 18520

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

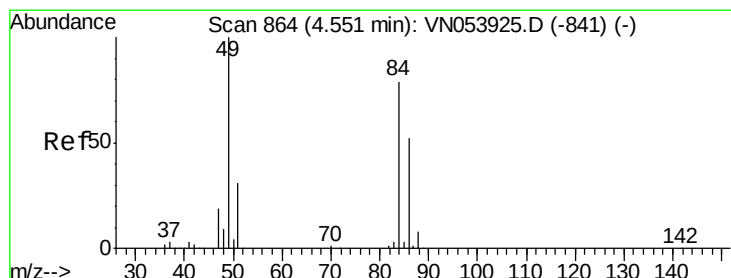
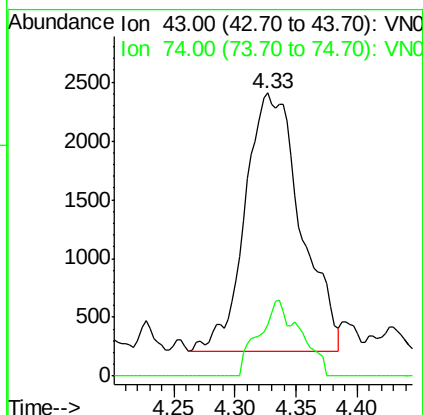
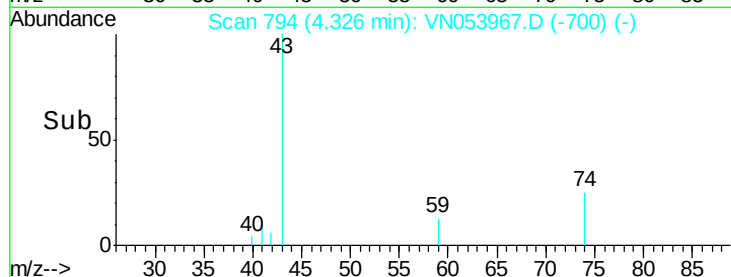
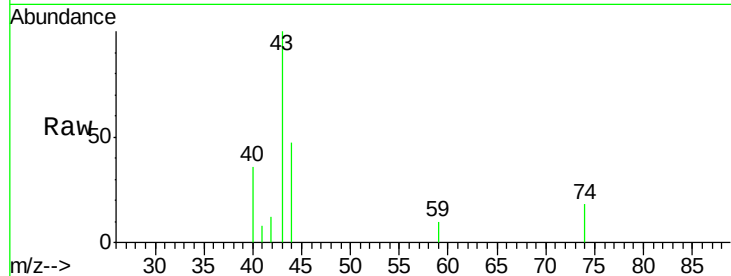




#18
Methyl Acetate
Concen: 1.484 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

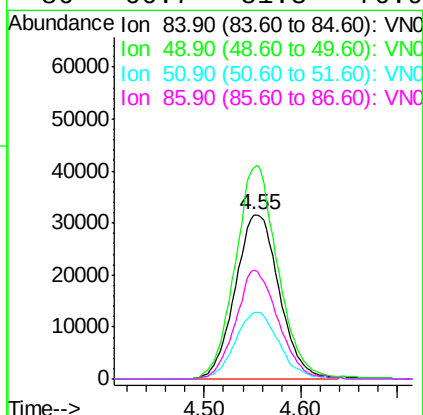
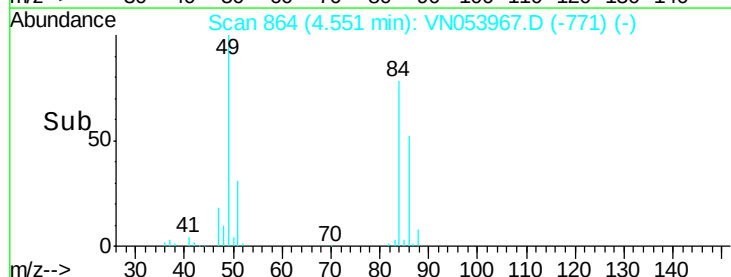
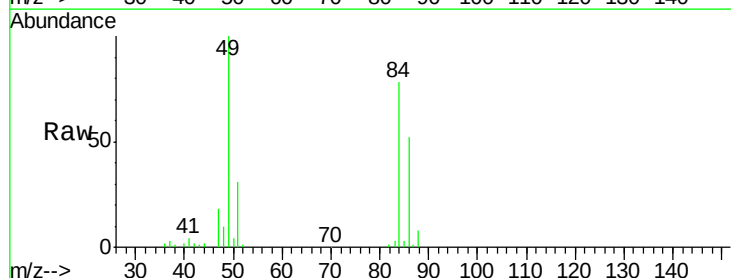
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-1

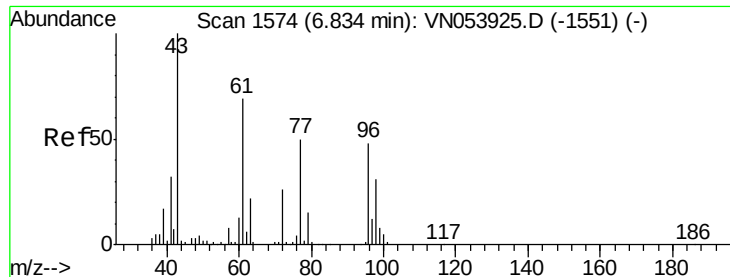
Tgt Ion: 43 Resp: 6965
Ion Ratio Lower Upper
43 100
74 21.9 20.5 30.7



#20
Methylene Chloride
Concen: 15.073 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion: 84 Resp: 100114
Ion Ratio Lower Upper
84 100
49 129.0 89.7 134.5
51 40.4 27.8 41.8
86 66.7 51.3 76.9

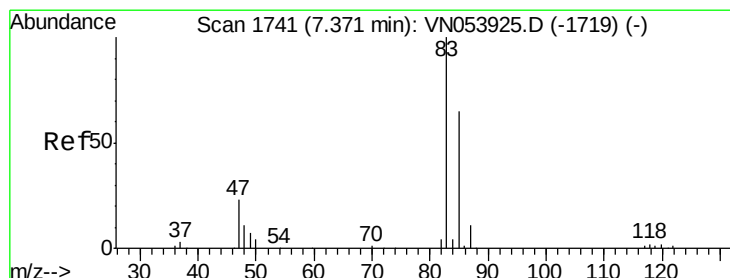
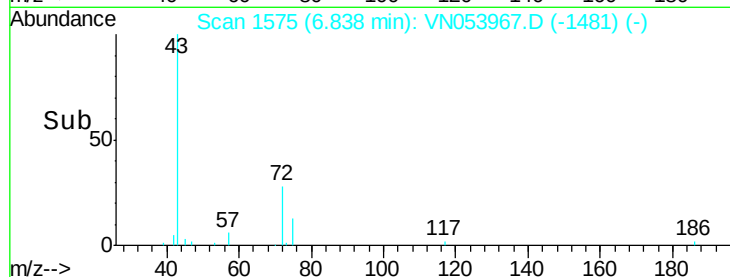
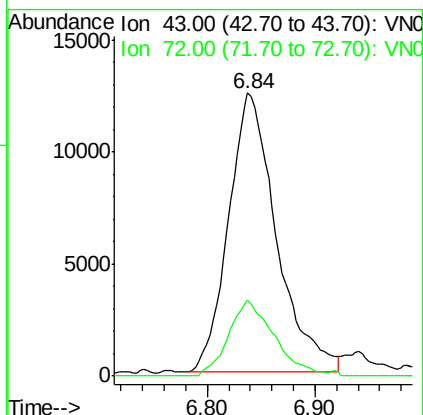
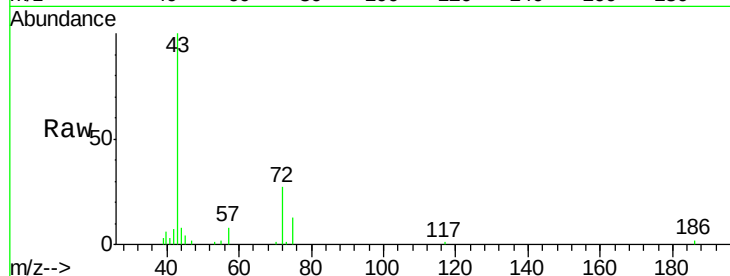




#25
2-Butanone
Concen: 14.588 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

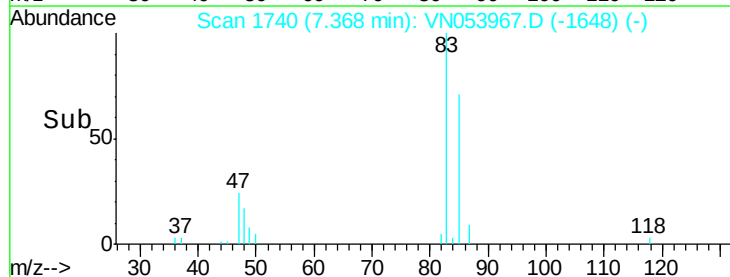
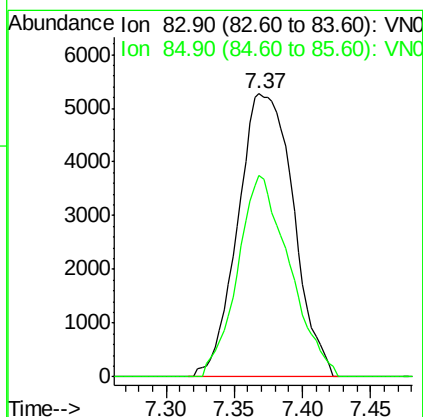
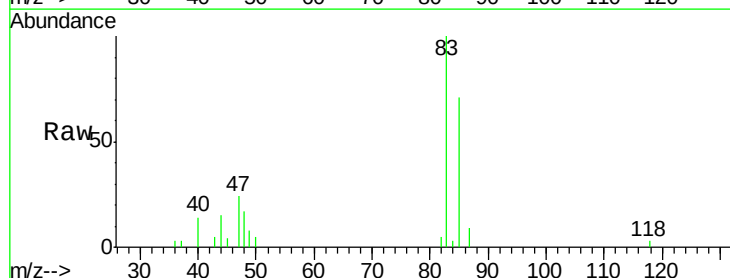
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-1

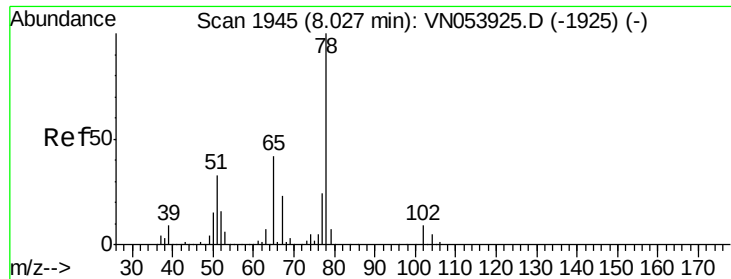
Tgt Ion: 43 Resp: 38438
Ion Ratio Lower Upper
43 100
72 27.1 22.1 33.1



#30
Chloroform
Concen: 1.312 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion: 83 Resp: 14921
Ion Ratio Lower Upper
83 100
85 71.0 52.6 78.8

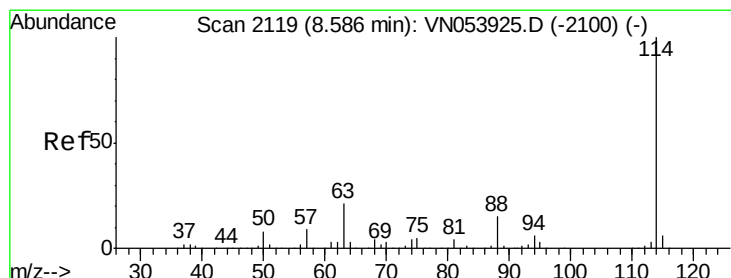
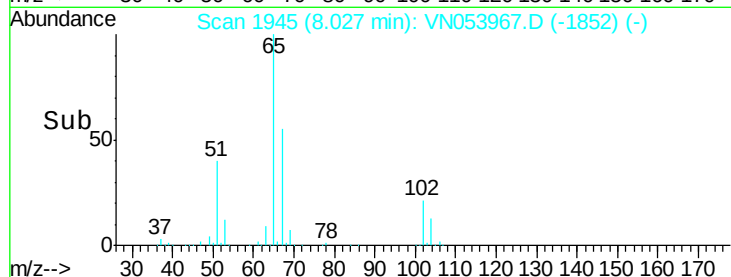
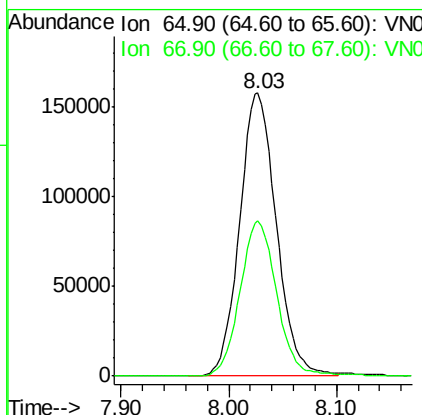
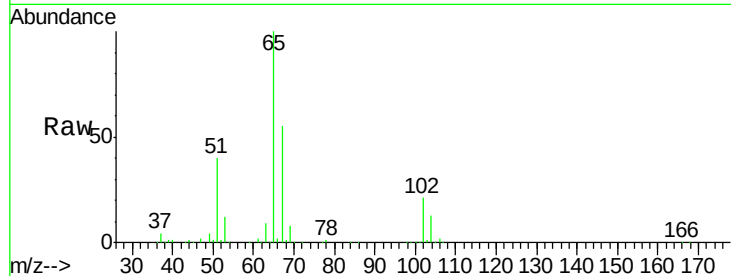




#33
 1,2-Dichloroethane-d4
 Concen: 55.710 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

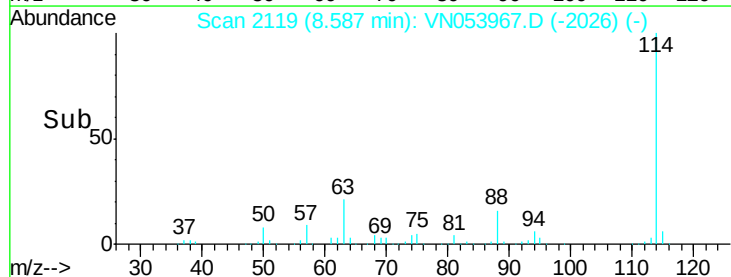
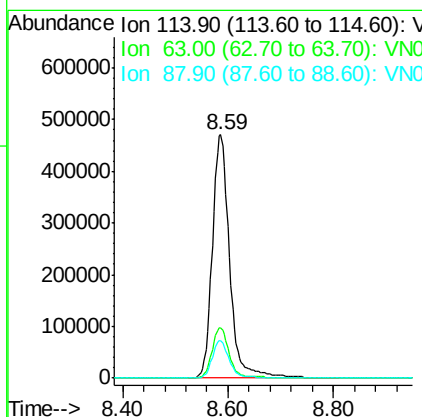
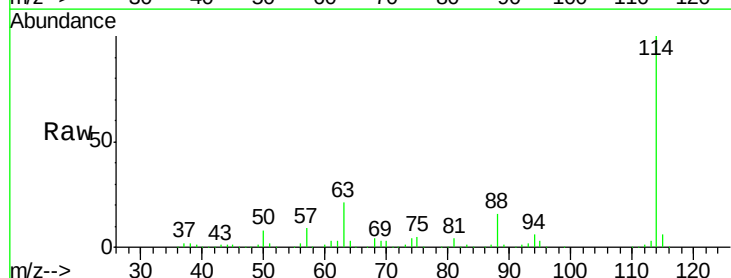
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 OIL-WATER-SEPERATOR-1

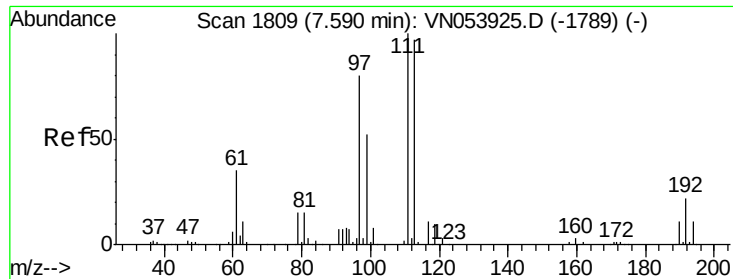
Tgt Ion: 65 Resp: 373853
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

Tgt Ion: 114 Resp: 1071703
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.5 0.0 30.4

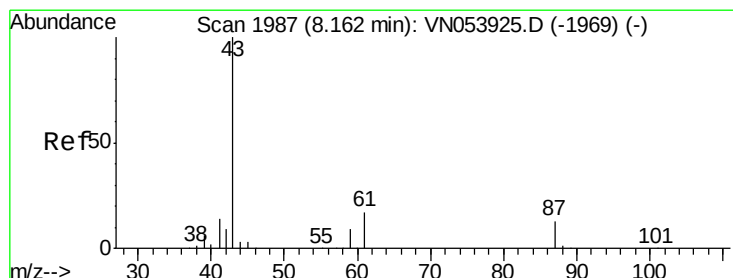
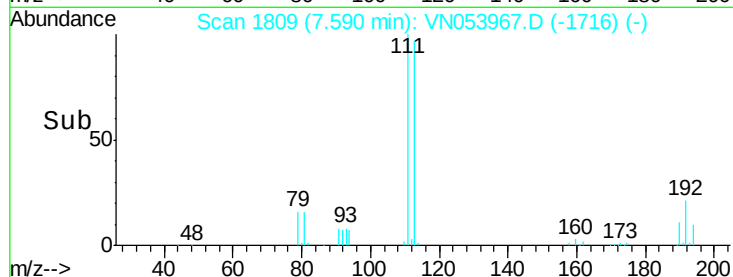
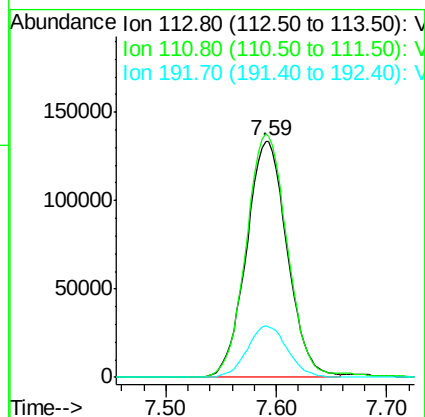
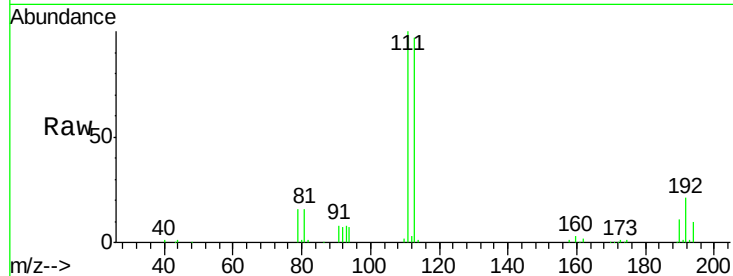




#35
 Dibromofluoromethane
 Concen: 49.466 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

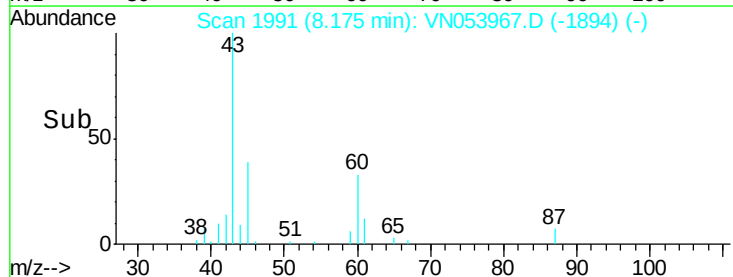
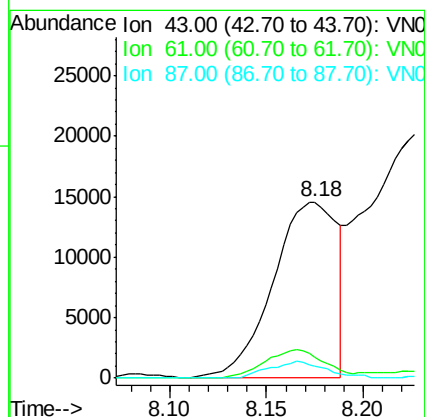
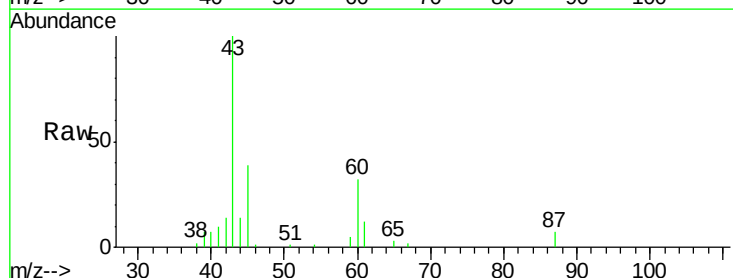
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 OIL-WATER-SEPERATOR-1

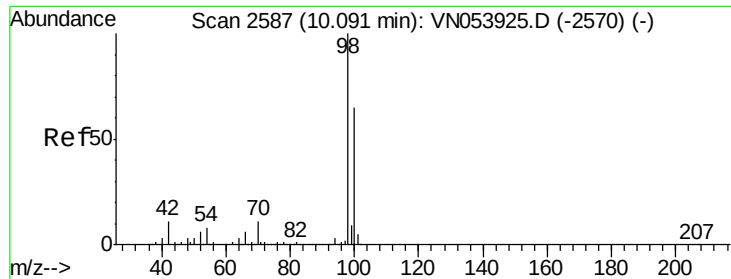
Tgt Ion: 113 Resp: 342813
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.1 121.7
 192 21.4 18.8 28.2



#43
 Isopropyl Acetate
 Concen: 2.779 ug/l
 RT: 8.18 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

Tgt Ion: 43 Resp: 33389
 Ion Ratio Lower Upper
 43 100
 61 15.0 17.4 26.0#
 87 8.4 11.5 17.3#

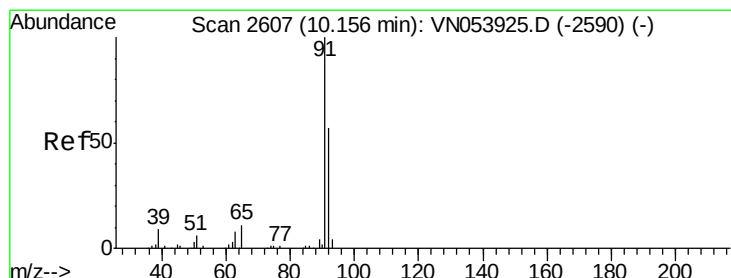
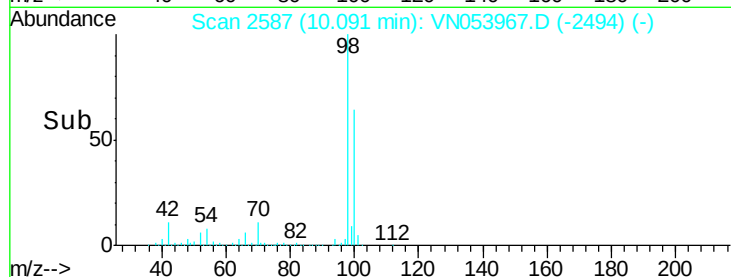
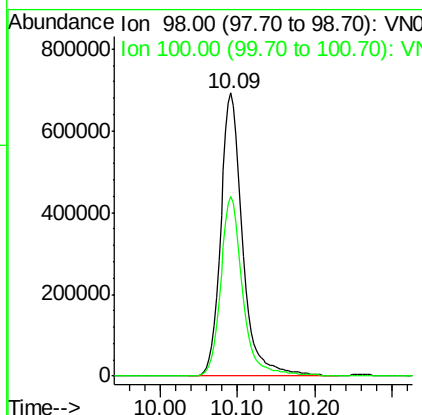
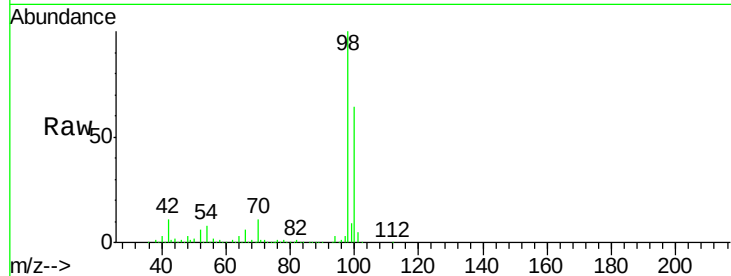




#50
Toluene-d8
Concen: 53.128 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

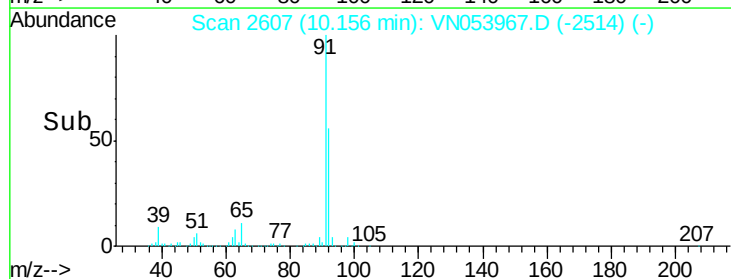
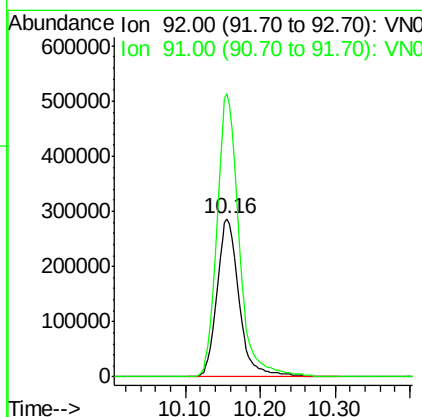
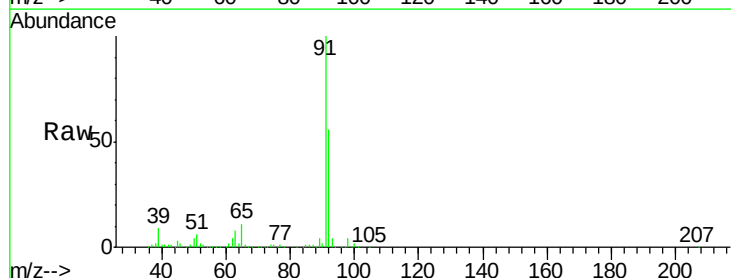
Instrument :
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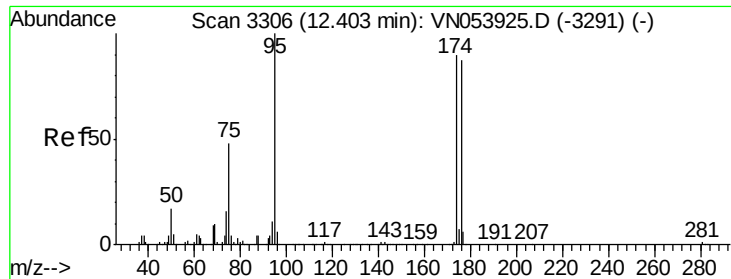
Tgt Ion: 98 Resp: 1370603
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#52
Toluene
Concen: 32.688 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion: 92 Resp: 589323
Ion Ratio Lower Upper
92 100
91 178.6 138.4 207.6





#62

4-Bromofluorobenzene

Concen: 57.977 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053967.D

Acq: 26 Feb 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPERATOR-1

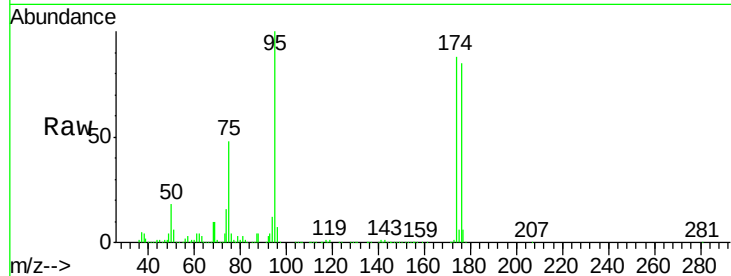
Tgt Ion: 95 Resp: 498326

Ion Ratio Lower Upper

95 100

174 88.0 0.0 188.8

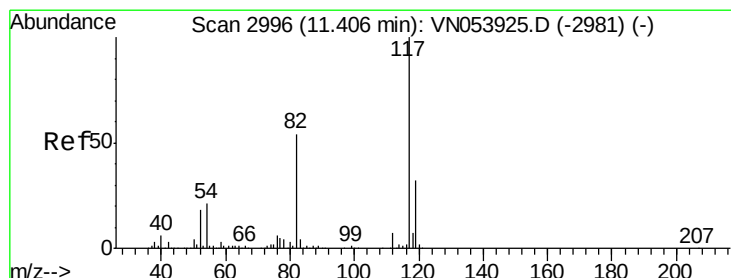
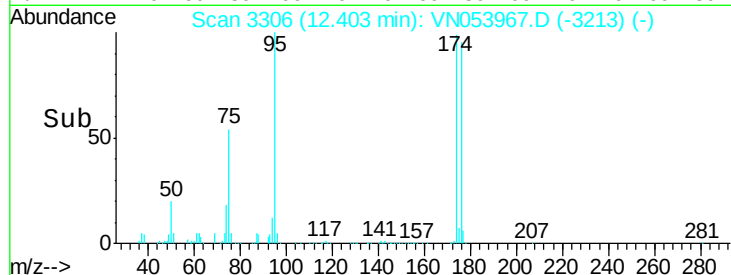
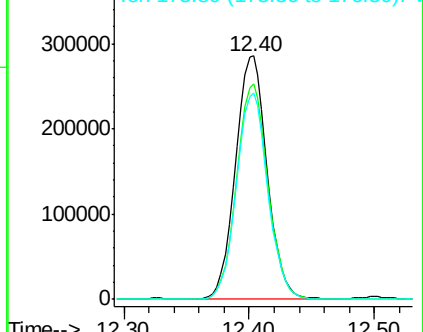
176 84.4 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053967.D

Acq: 26 Feb 2019 20:38

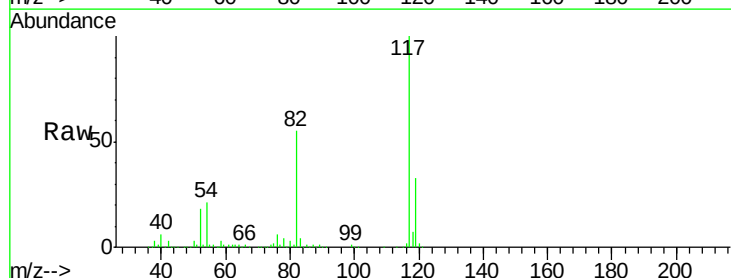
Tgt Ion: 117 Resp: 1061939

Ion Ratio Lower Upper

117 100

82 55.1 41.4 62.2

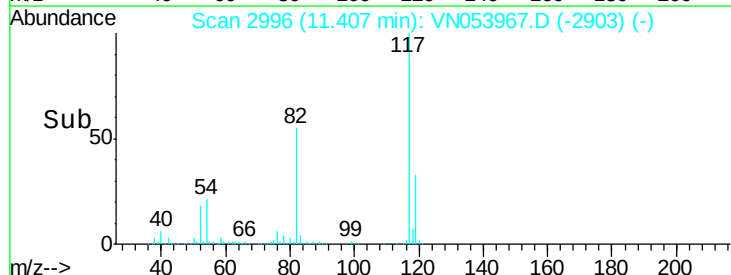
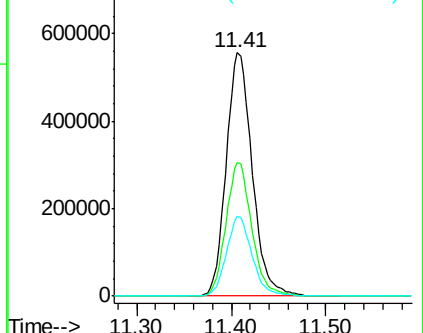
119 32.7 25.3 37.9

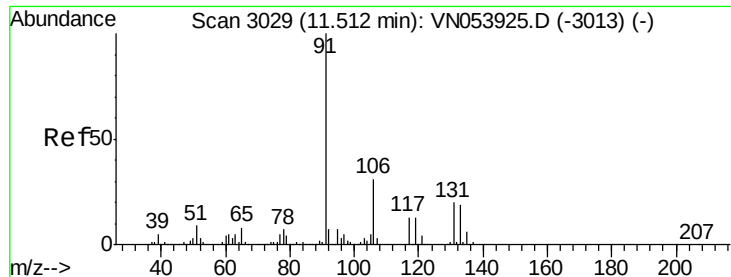


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

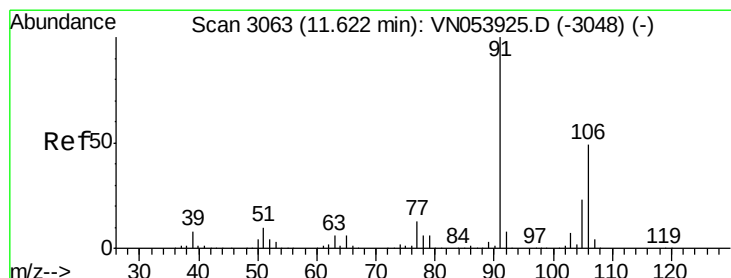
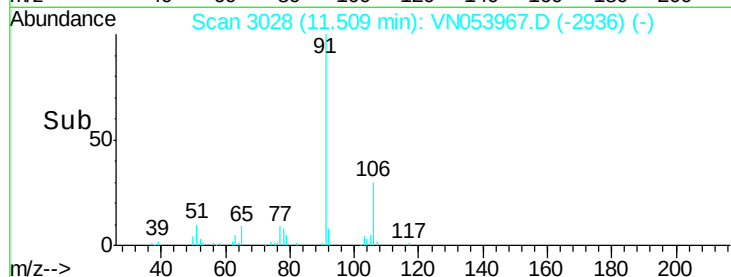
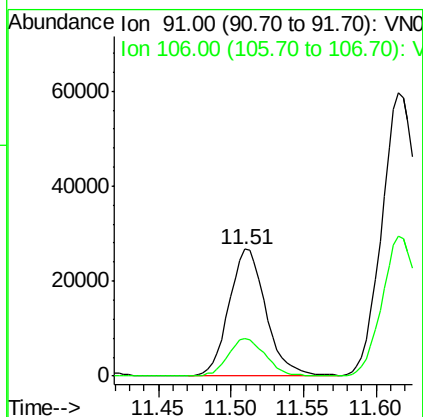
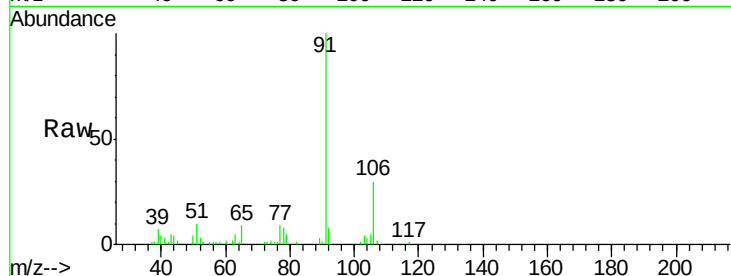




#67
Ethyl Benzene
Concen: 1.265 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

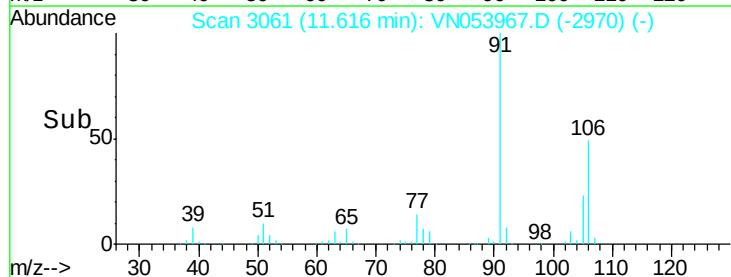
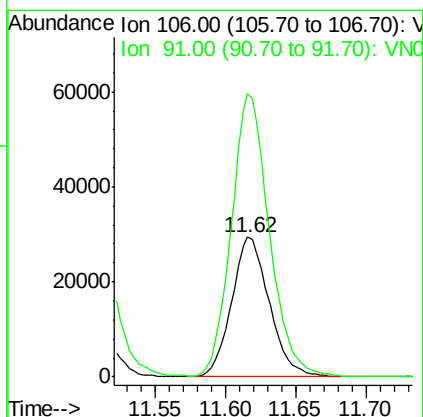
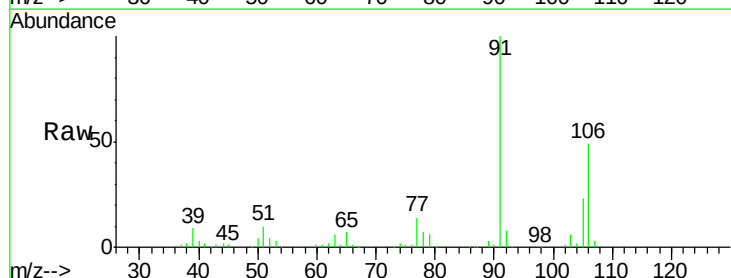
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-1

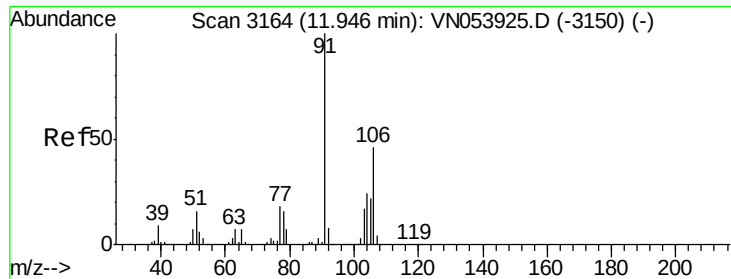
Tgt Ion: 91 Resp: 47514
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8



#68
m/p-Xylenes
Concen: 3.876 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion: 106 Resp: 54961
Ion Ratio Lower Upper
106 100
91 204.4 158.9 238.3

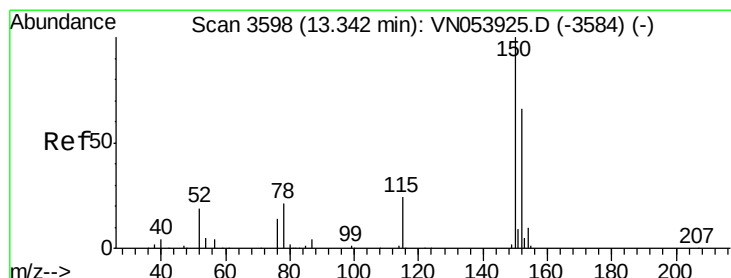
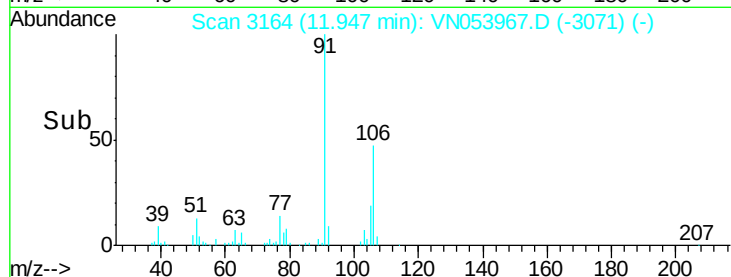
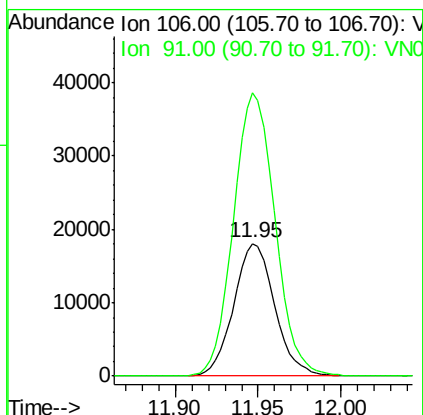
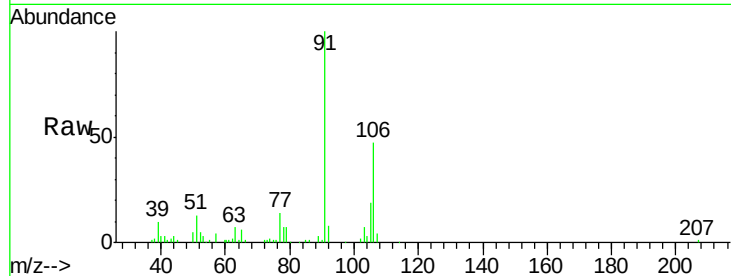




#69
o-Xylene
Concen: 2.229 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

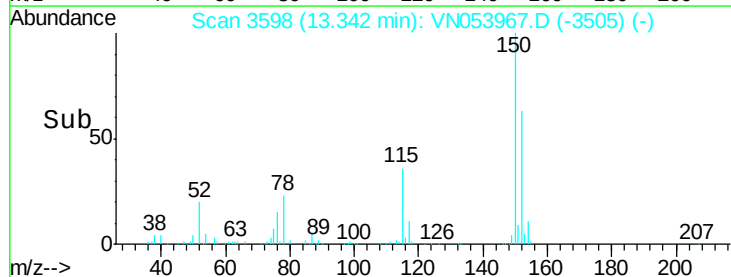
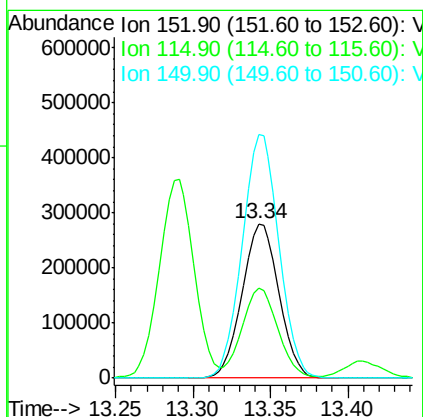
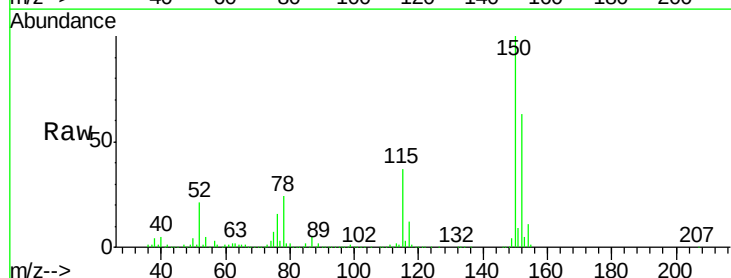
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-1

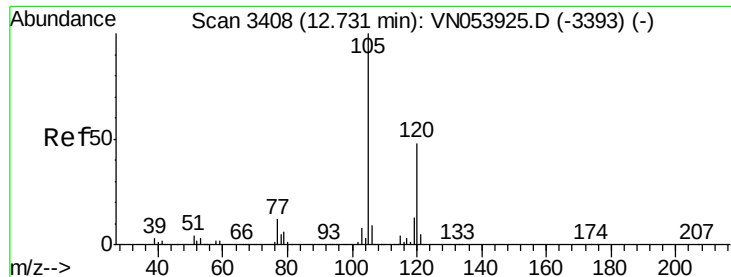
Tgt Ion:106 Resp: 31057
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion:152 Resp: 465342
Ion Ratio Lower Upper
152 100
115 56.2 27.2 81.6
150 157.0 0.0 348.2

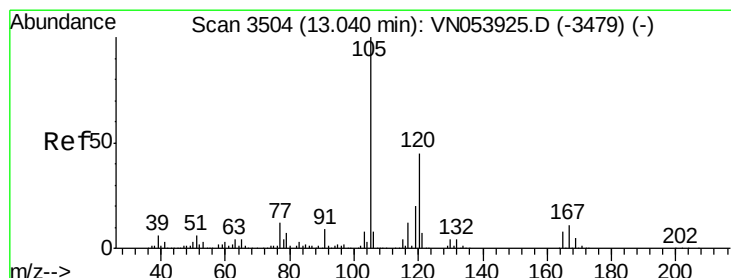
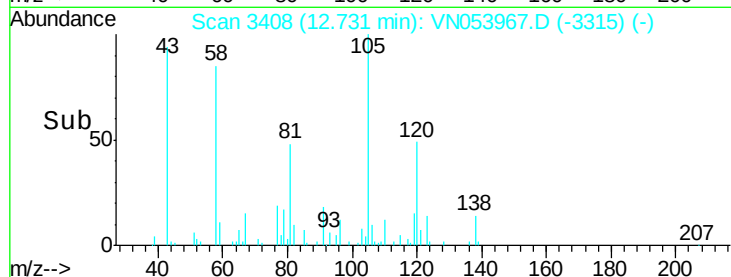
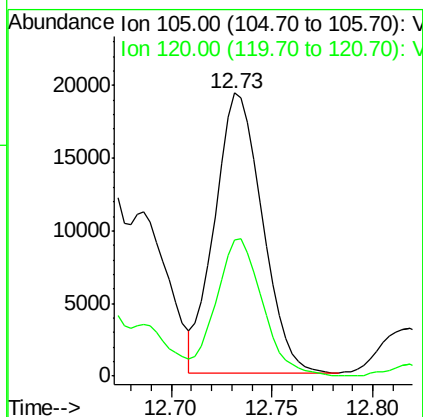
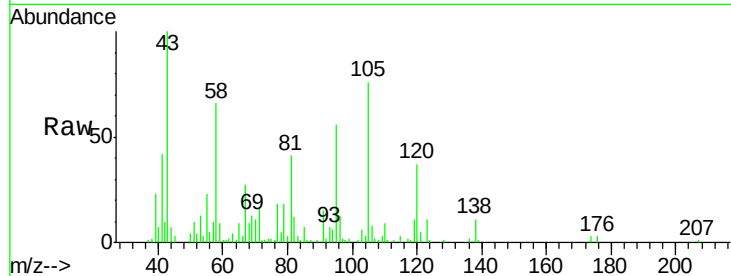




#80
 1,3,5-Trimethylbenzene
 Concen: 1.078 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

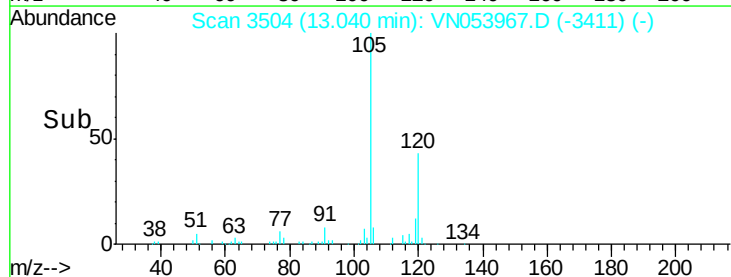
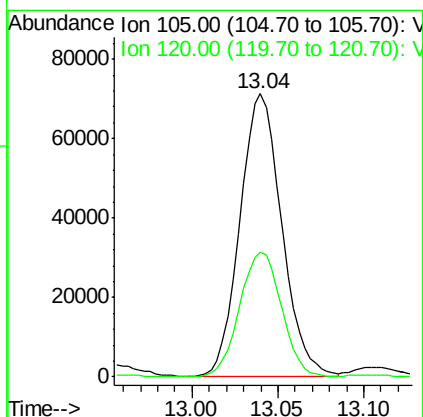
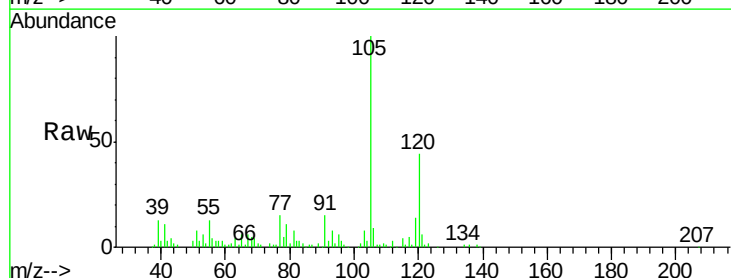
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

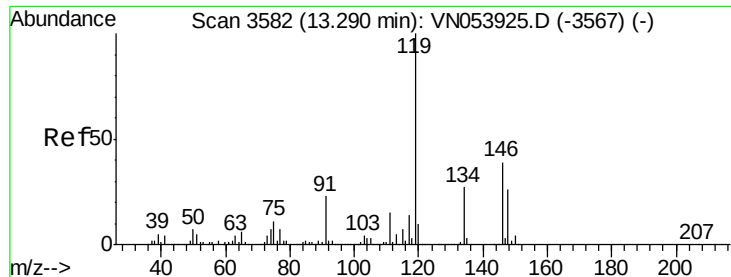
Tgt Ion:105 Resp: 31958
 Ion Ratio Lower Upper
 105 100
 120 47.7 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 4.055 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053967.D
 Acq: 26 Feb 2019 20:38

Tgt Ion:105 Resp: 120061
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.2 69.5

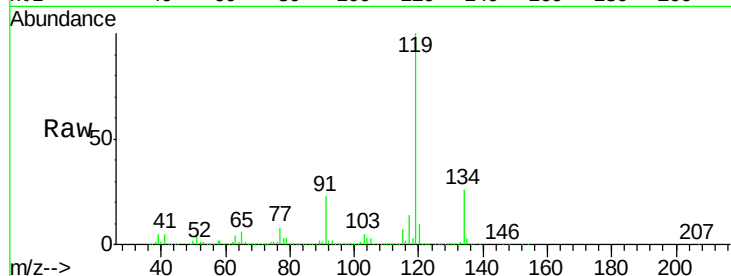




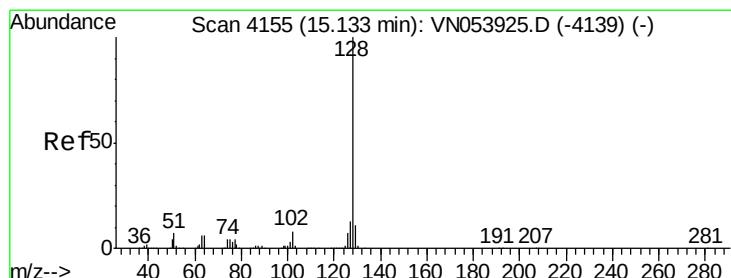
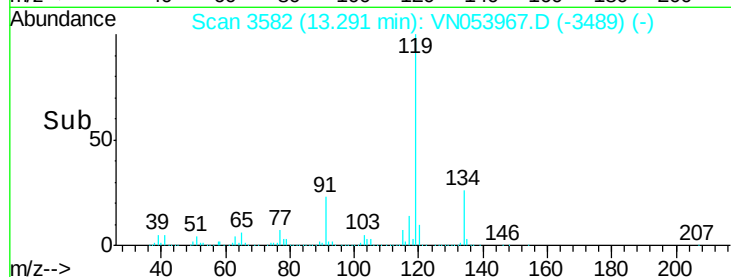
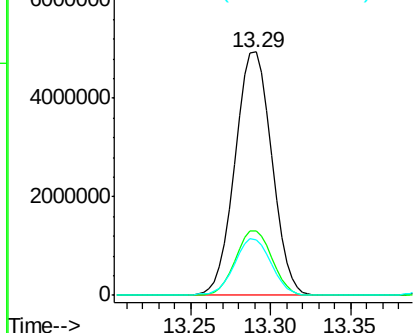
#86
p-Isopropyltoluene
Concen: 254.870 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

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

Tgt Ion:119 Resp: 7718496
Ion Ratio Lower Upper
119 100
134 26.5 13.5 40.4
91 23.5 10.9 32.6

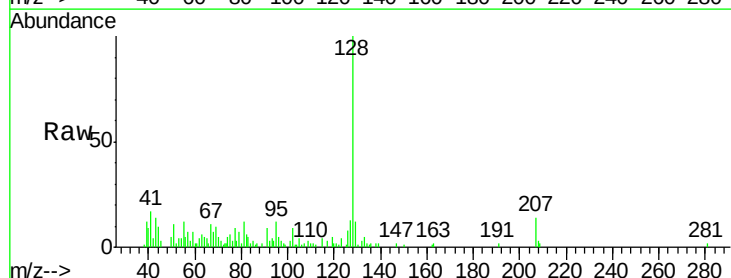


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 4.573 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053967.D
Acq: 26 Feb 2019 20:38

Tgt Ion:128 Resp: 26802
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.2
129 8.8 8.6 12.8



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

