

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055293.D
 Acq On : 29 Apr 2019 15:03
 Operator : JC/SP
 Sample : K2598-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-2(OWS-2)

Quant Time: Apr 30 05:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	377215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	648277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186808	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	261194	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	7.59	113	212106	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.09	98	805267	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	253724	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	

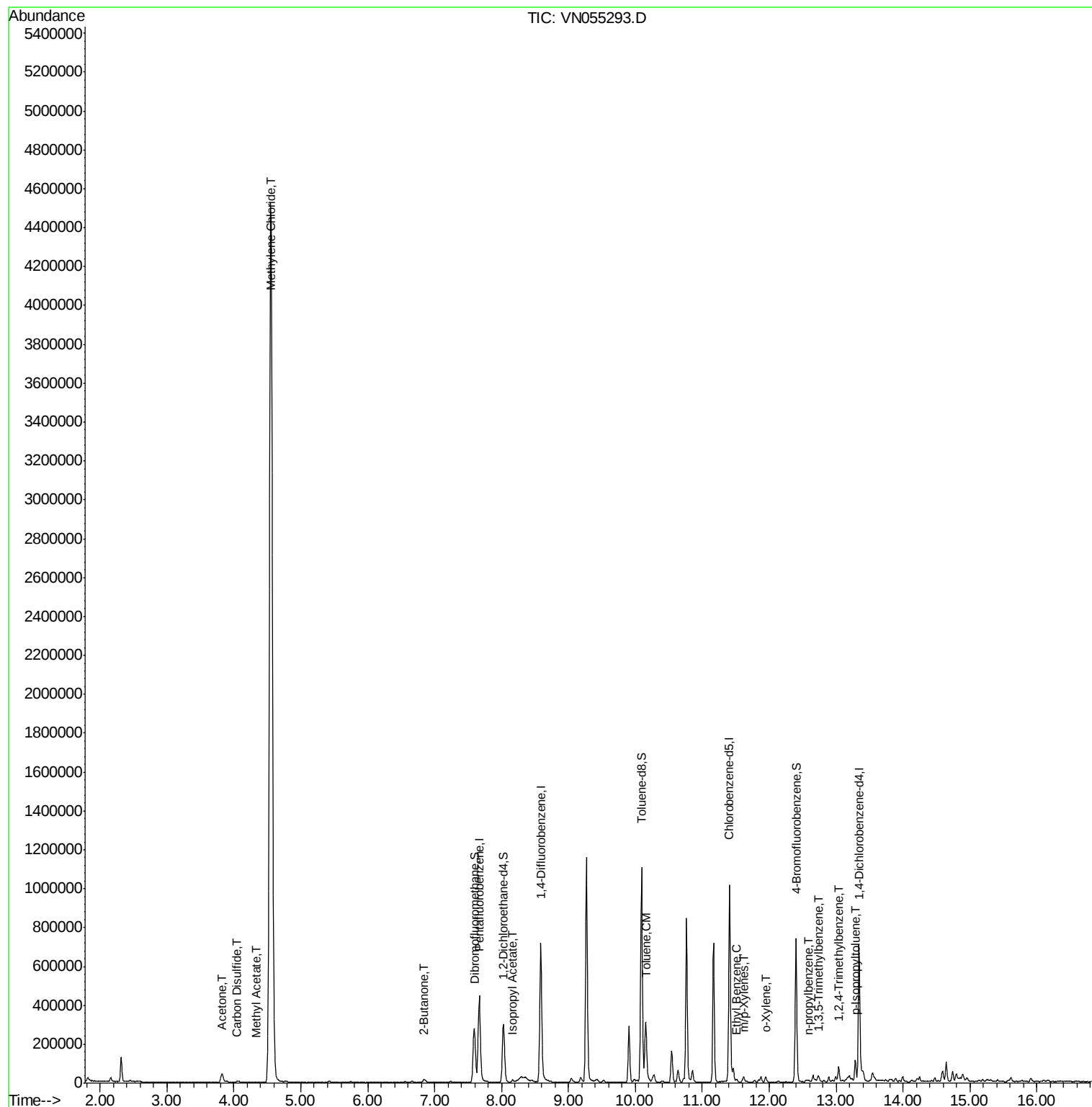
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	81487	52.995	ug/l	100
17) Carbon Disulfide	4.05	76	12076	1.242	ug/l	97
18) Methyl Acetate	4.33	43	7267	0.924	ug/l #	67
20) Methylene Chloride	4.55	84	3180968	677.762	ug/l	98
25) 2-Butanone	6.84	43	32519	16.537	ug/l	94
43) Isopropyl Acetate	8.16	43	14825	1.938	ug/l #	90
52) Toluene	10.16	92	126620	12.056	ug/l	97
67) Ethyl Benzene	11.51	91	9009	0.430	ug/l	92
68) m/p-Xylenes	11.62	106	8681	1.162	ug/l	89
69) o-Xylene	11.95	106	6730	0.909	ug/l	97
78) n-propylbenzene	12.59	91	5738	0.299	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	11686	0.798	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	42399	3.237	ug/l	98
86) p-Isopropyltoluene	13.29	119	59720	4.565	ug/l	98

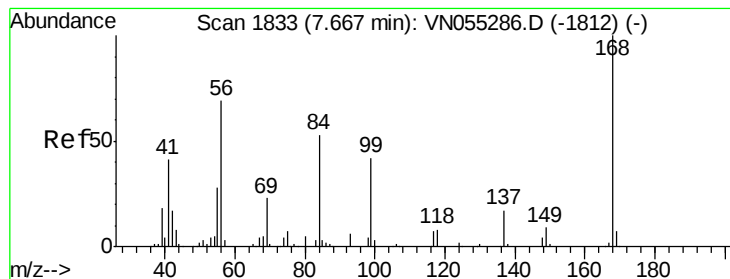
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

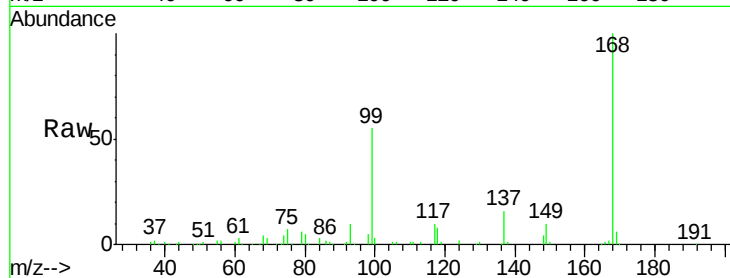
OIL-WATER-SEPARATOR-2(OWS-2

Tot Ion:168 Resp: 377215

Ion Ratio Lower Upper

168 100

99 55.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

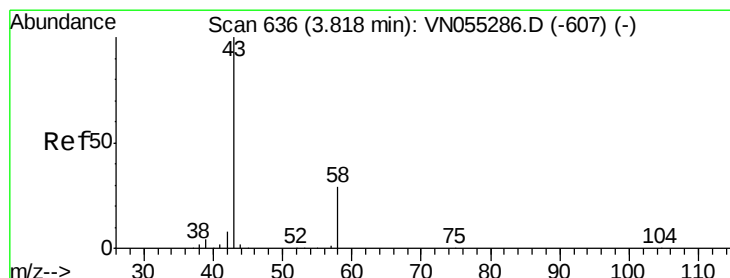
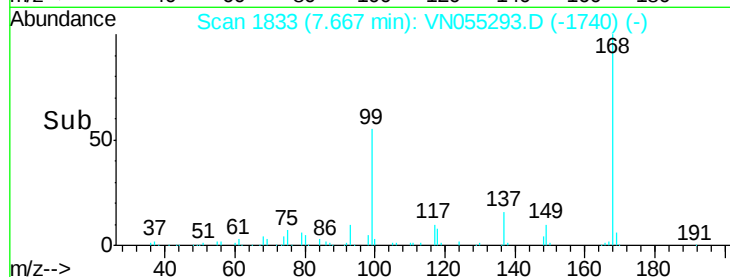
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 52.995 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055293.D

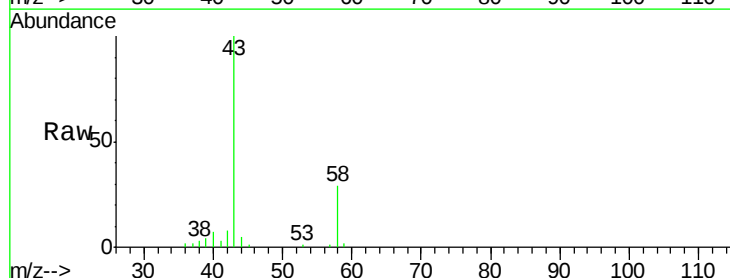
Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 81487

Ion Ratio Lower Upper

43 100

58 29.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

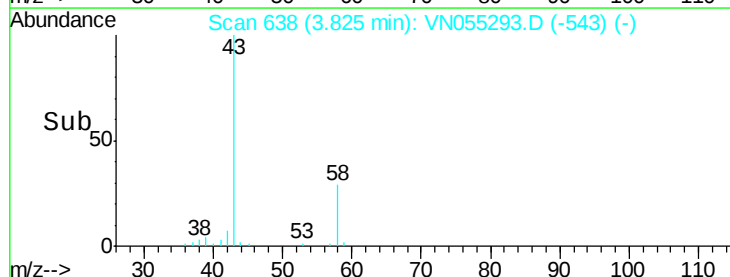
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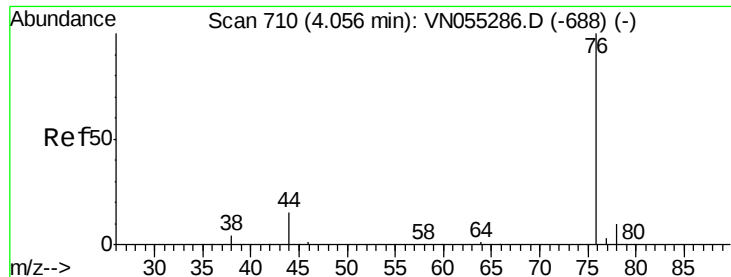
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 1.242 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

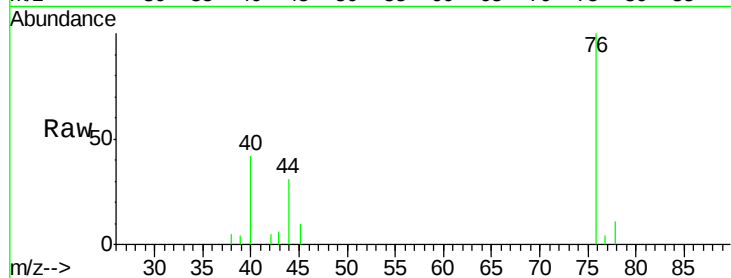
OIL-WATER-SEPARATOR-2(OWS-2

Tot Ion: 76 Resp: 12076

Ion Ratio Lower Upper

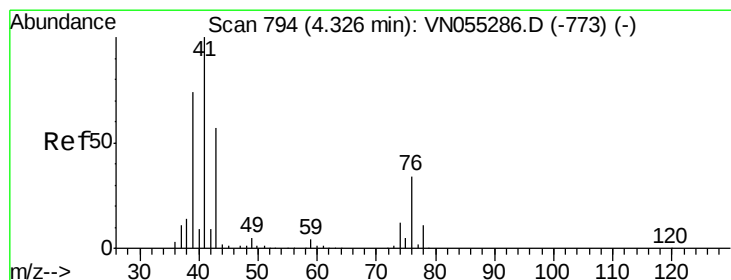
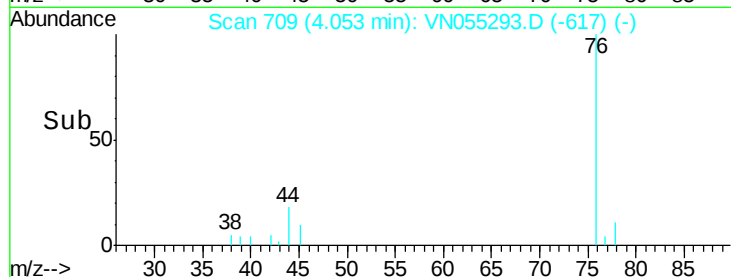
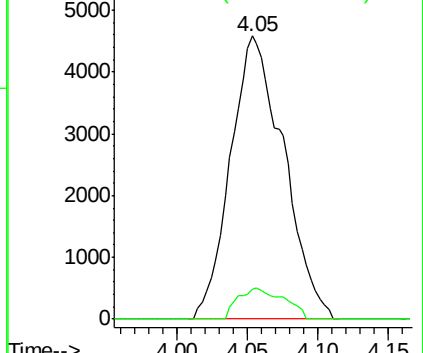
76 100

78 10.6 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.924 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055293.D

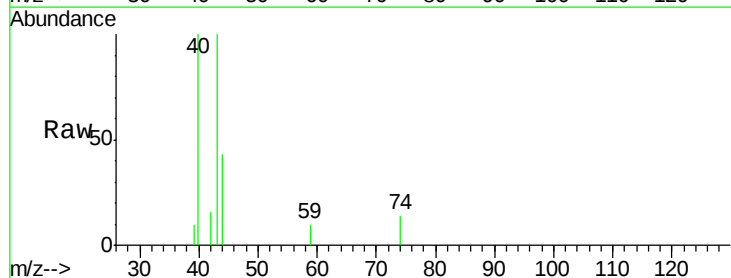
Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 7267

Ion Ratio Lower Upper

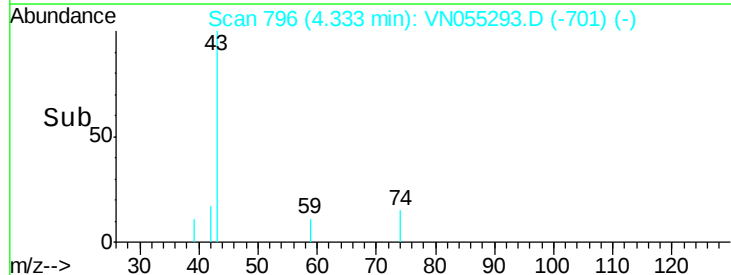
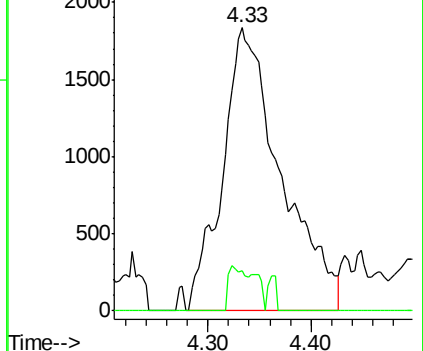
43 100

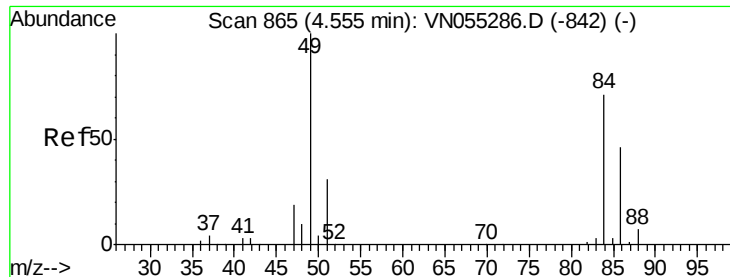
74 4.6 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



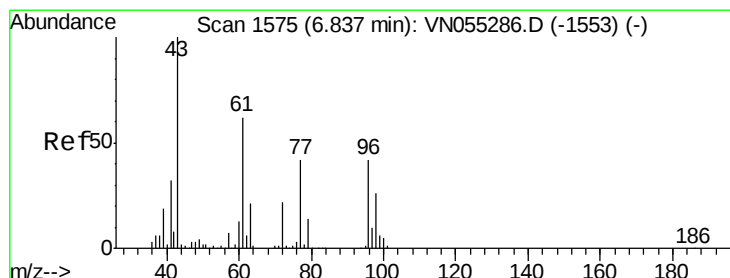
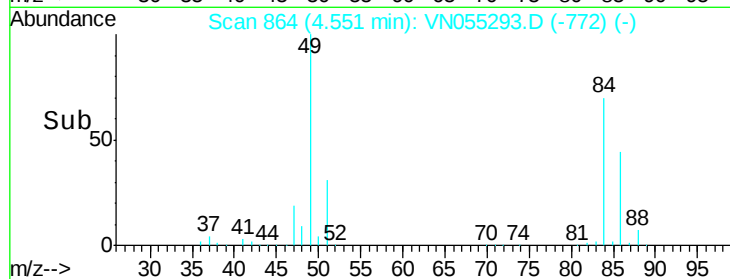
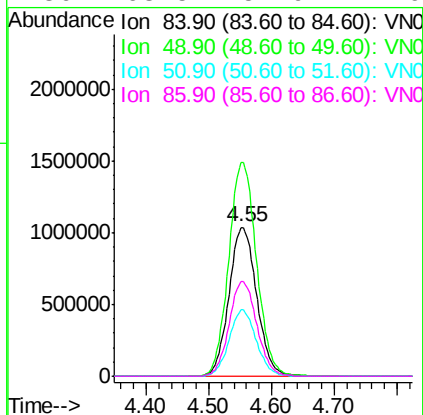
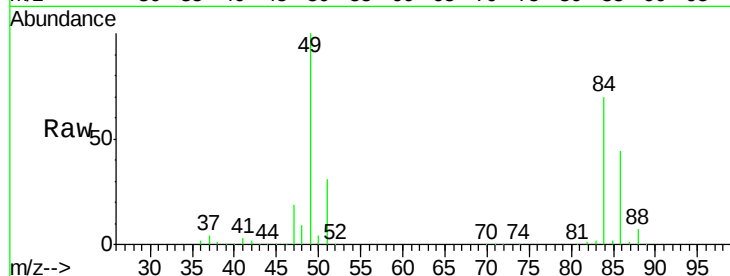


#20
Methvlene Chloride
Concen: 677.762 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-2(OWS-2)

Tot Ion: 84 Resp: 3180968

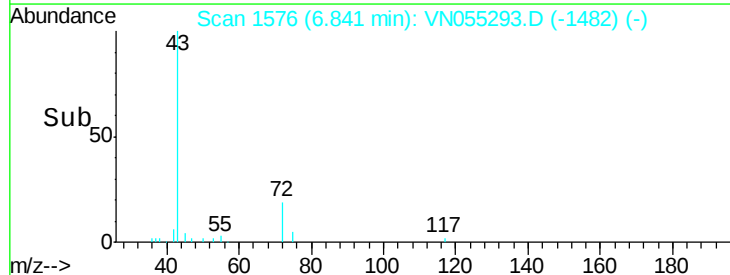
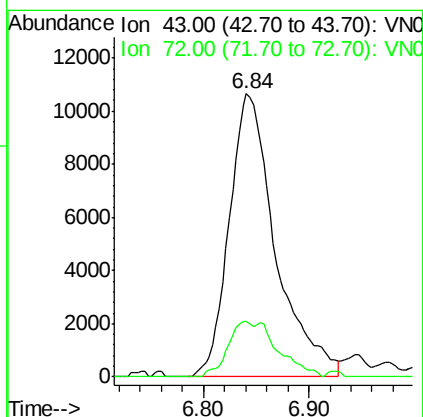
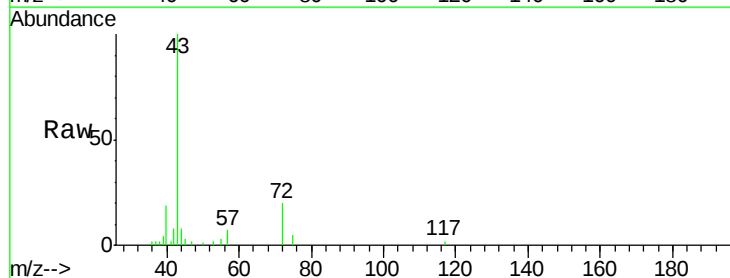
Ion	Ratio	Lower	Upper
84	100		
49	143.7	112.4	168.6
51	44.6	34.6	51.8
86	63.5	51.9	77.9

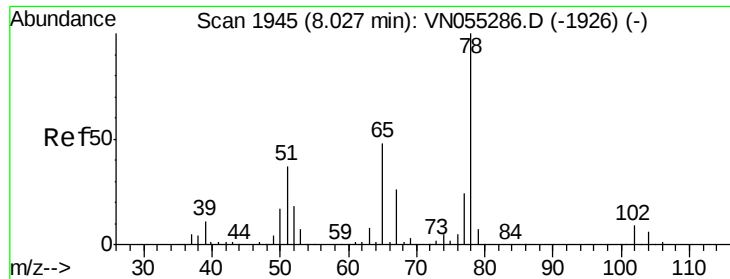


#25
2-Butanone
Concen: 16.537 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 32519

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.0	27.0

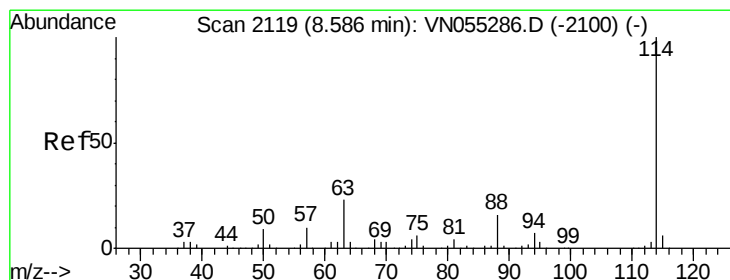
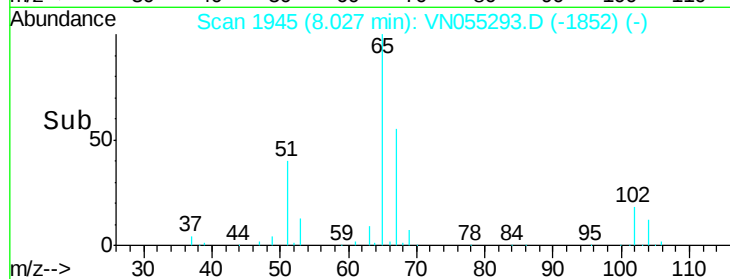
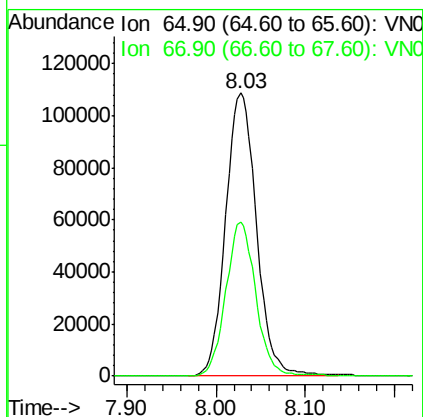
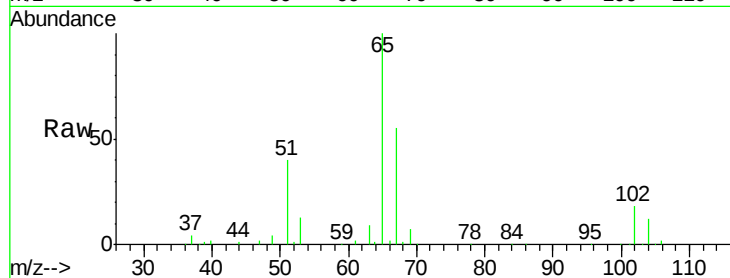




#33
 1,2-Dichloroethane-d4
 Concen: 52.929 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

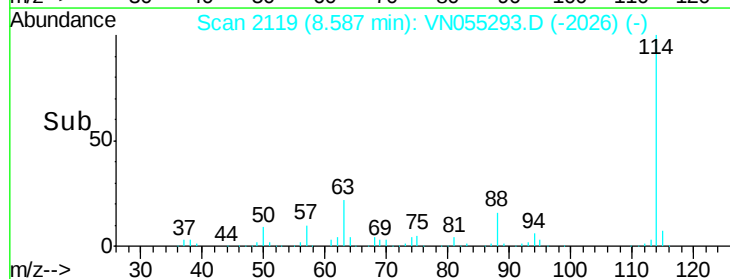
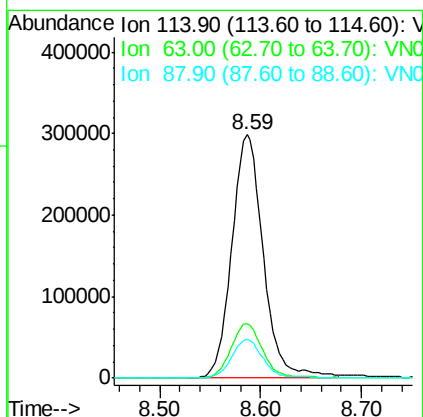
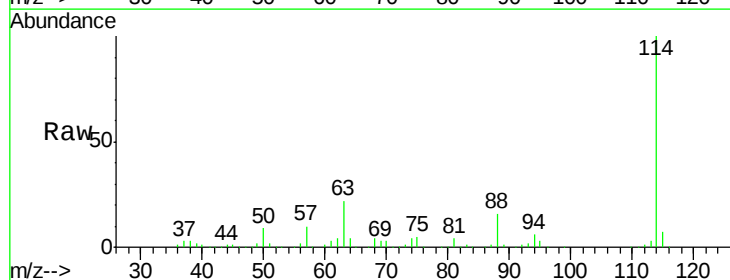
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

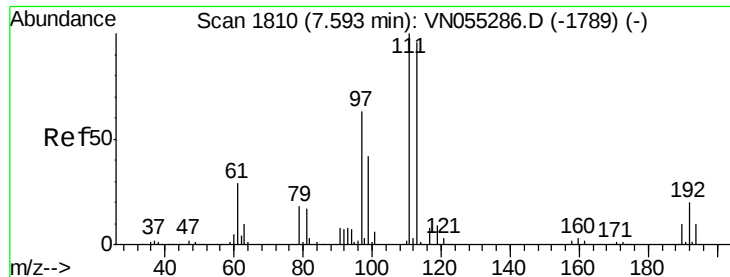
Tot Ion: 65 Resp: 261194
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion: 114 Resp: 648277
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 15.8 0.0 31.6

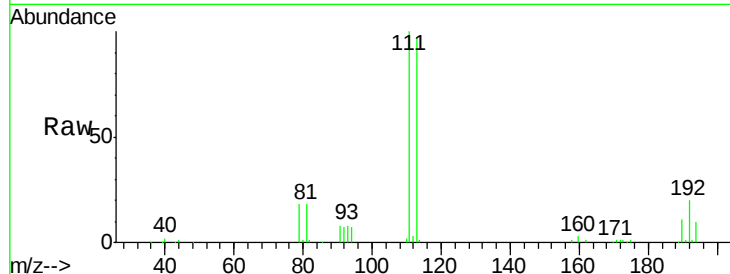




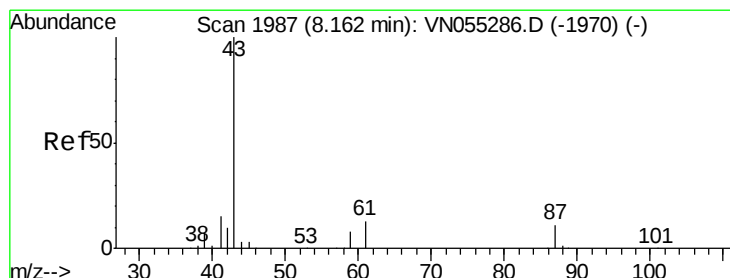
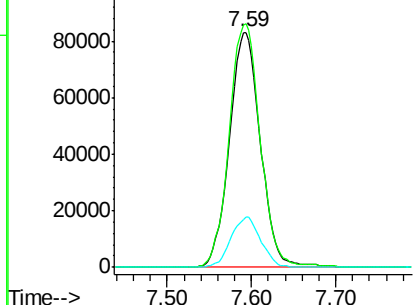
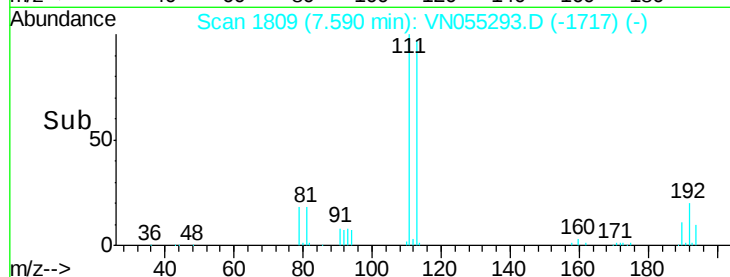
#35
 Dibromofluoromethane
 Concen: 49.848 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.3	123.5
192	20.7	17.0	25.6

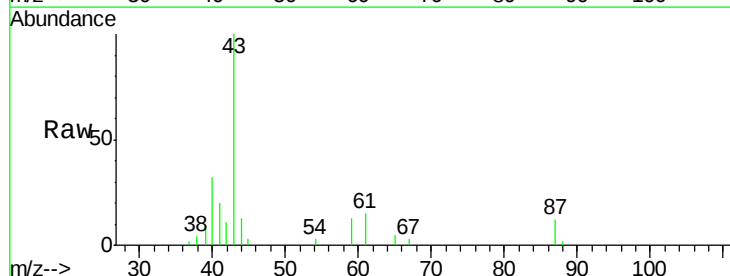


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

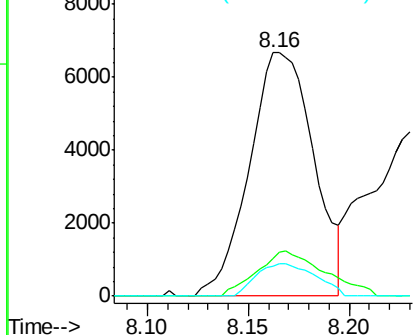
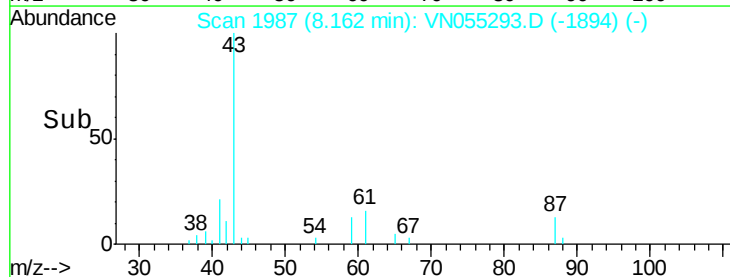


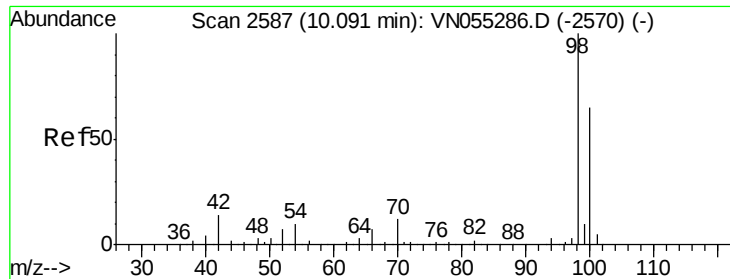
#43
 Isopropyl Acetate
 Concen: 1.938 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	20.8	31.2#
87	12.3	8.5	12.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.411 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

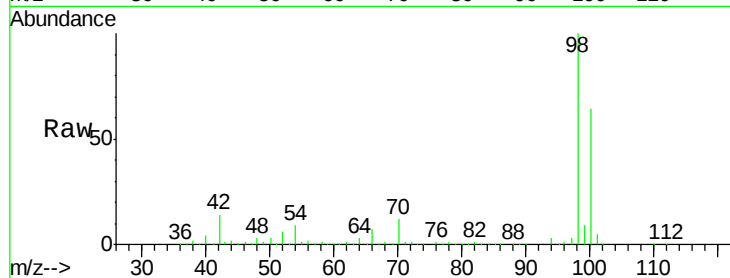
OIL-WATER-SEPERATOR-2(OWS-2

Tot Ion: 98 Resp: 805267

Ion Ratio Lower Upper

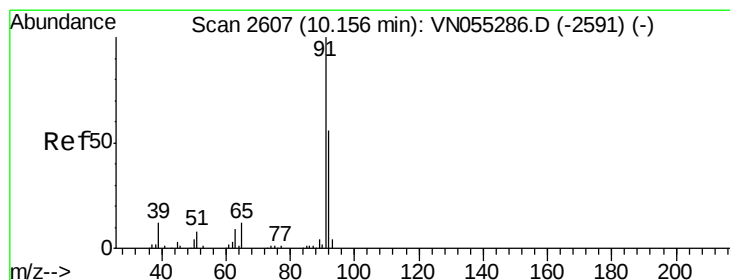
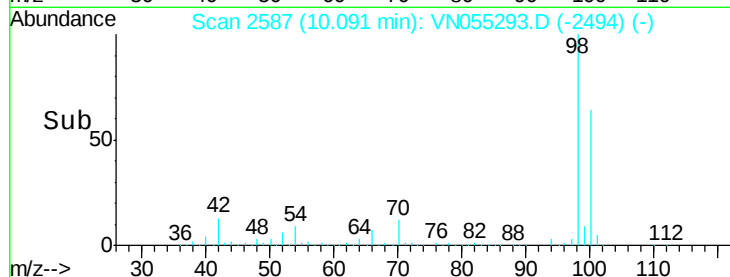
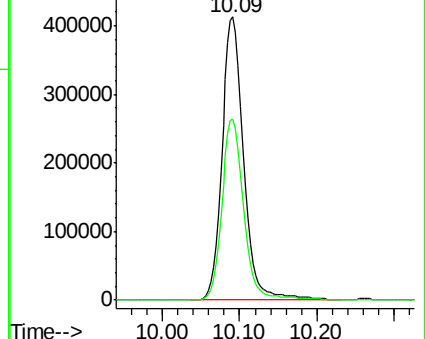
98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 12.056 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055293.D

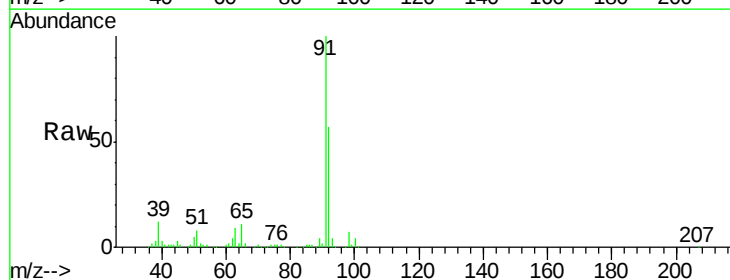
Acq: 29 Apr 2019 15:03

Tgt Ion: 92 Resp: 126620

Ion Ratio Lower Upper

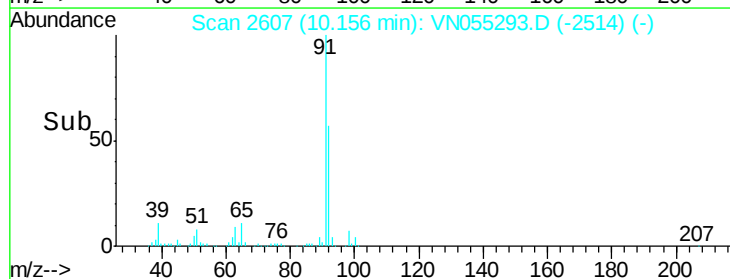
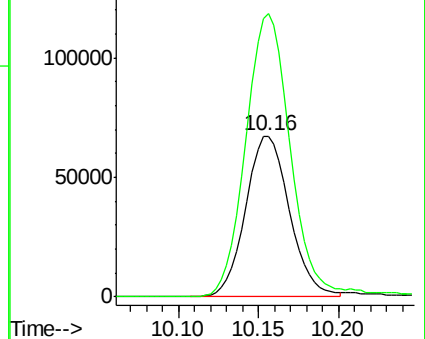
92 100

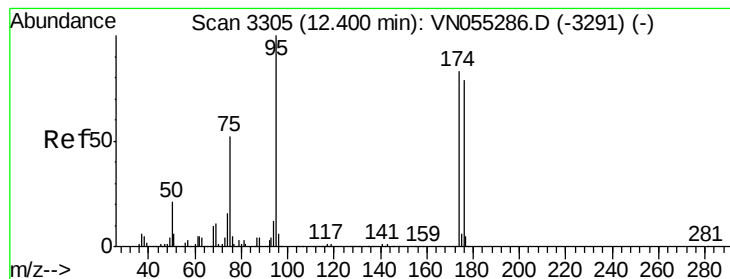
91 179.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.837 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

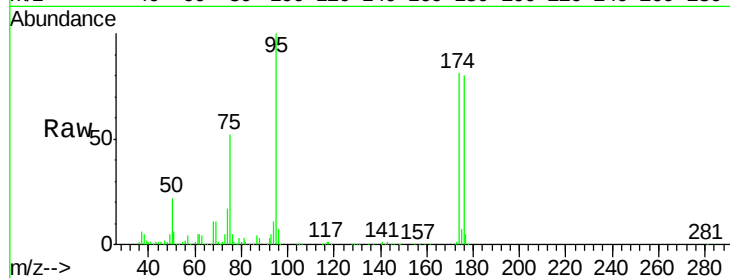
Tot Ion: 95 Resp: 253724

Ion Ratio Lower Upper

95 100

174 82.8 0.0 166.6

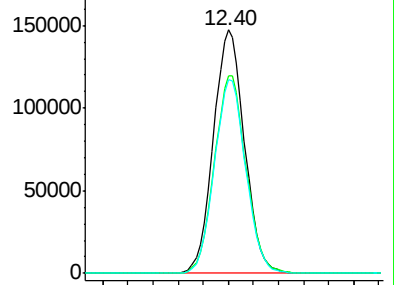
176 80.4 0.0 157.8



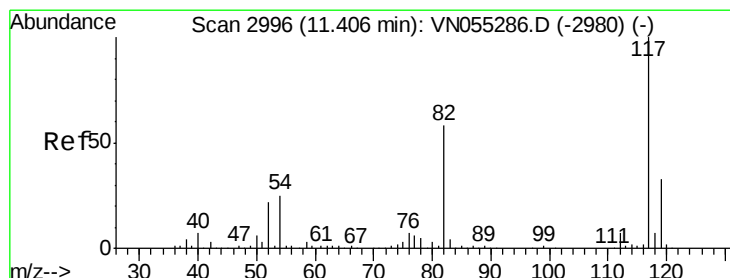
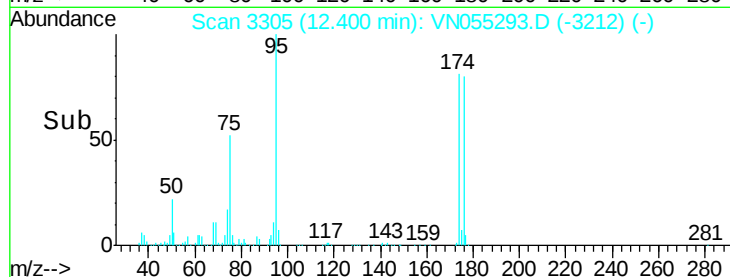
Abundance Ion 94.90 (94.60 to 95.60): VN055293.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055293.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055293.D (-2903) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

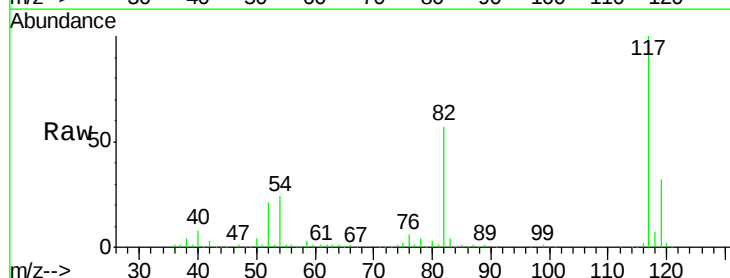
Tgt Ion: 117 Resp: 592737

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

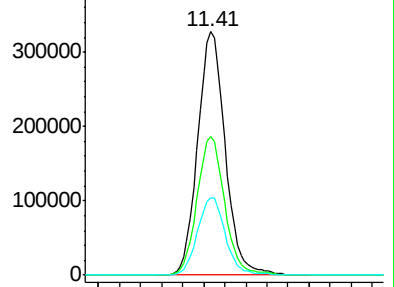
119 31.8 26.6 40.0



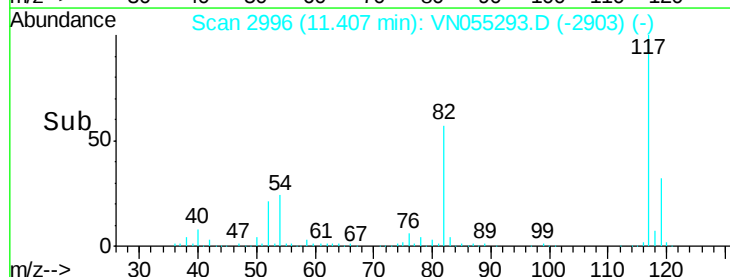
Abundance Ion 116.90 (116.60 to 117.60): VN055293.D (-2903) (-)

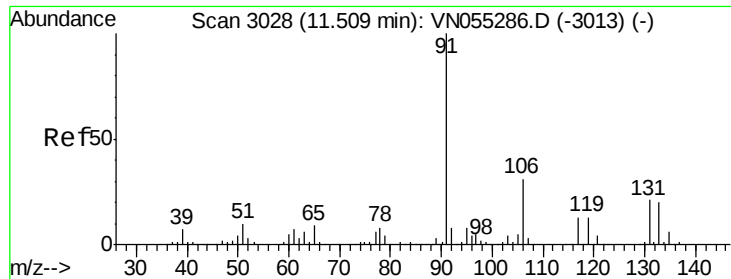
Ion 82.00 (81.70 to 82.70): VN055293.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055293.D (-2903) (-)



Time-->

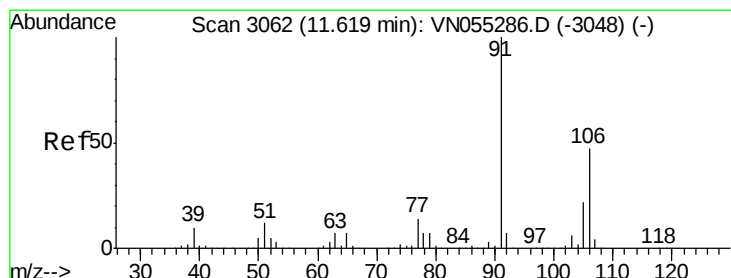
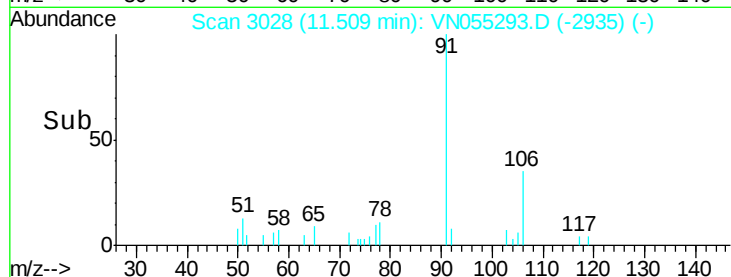
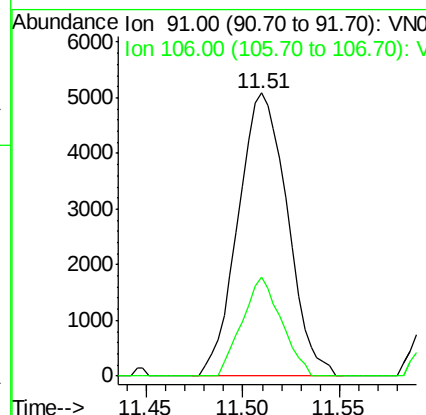
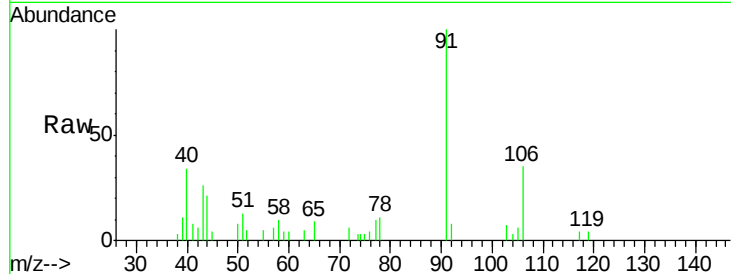




#67
Ethyl Benzene
Concen: 0.430 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

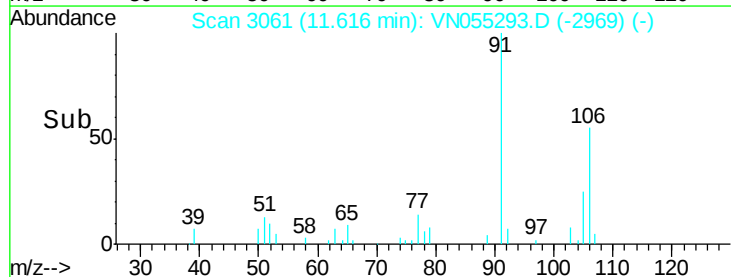
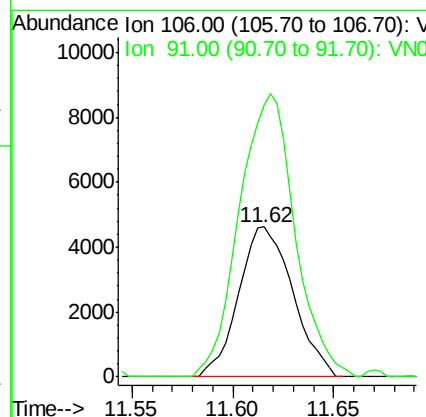
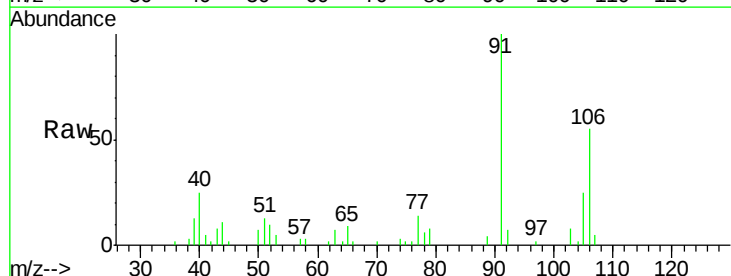
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

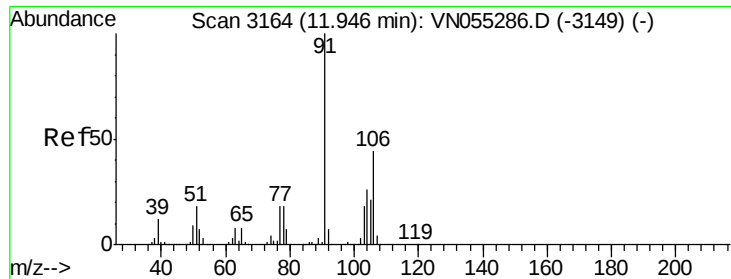
Tot Ion: 91 Resp: 9009
Ion Ratio Lower Upper
91 100
106 34.8 24.6 36.8



#68
m/p-Xylenes
Concen: 1.162 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 106 Resp: 8681
Ion Ratio Lower Upper
106 100
91 194.1 169.5 254.3

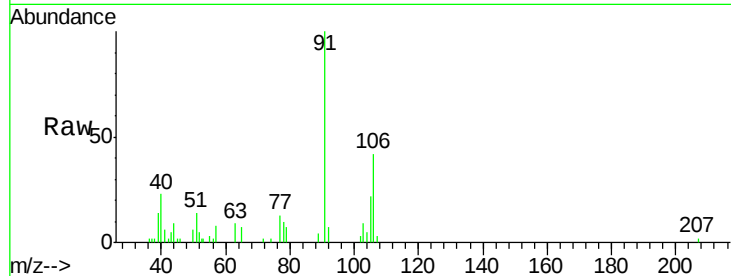




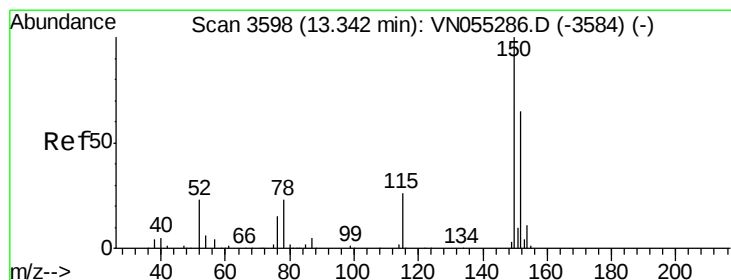
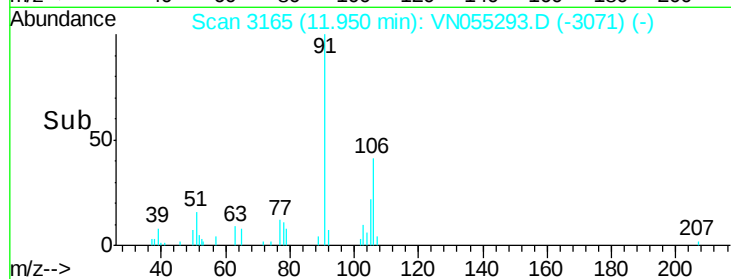
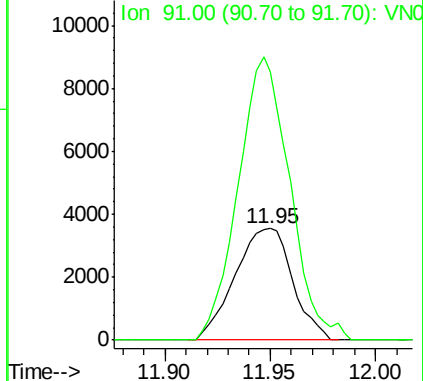
#69
o-Xylene
Concen: 0.909 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

Tot Ion:106 Resp: 6730
Ion Ratio Lower Upper
106 100
91 227.6 111.5 334.5

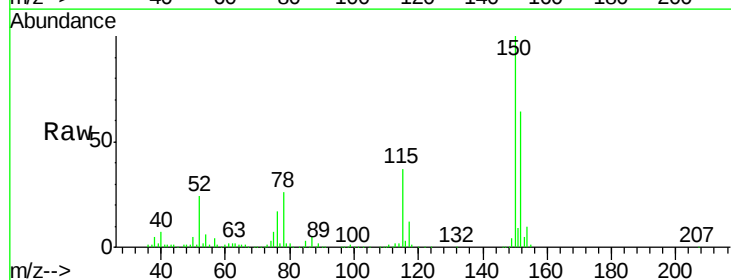


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

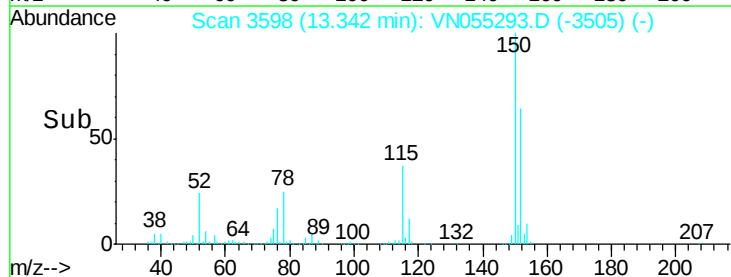
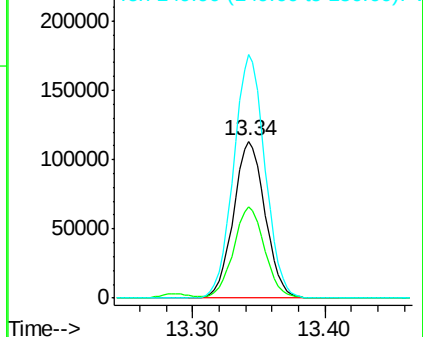


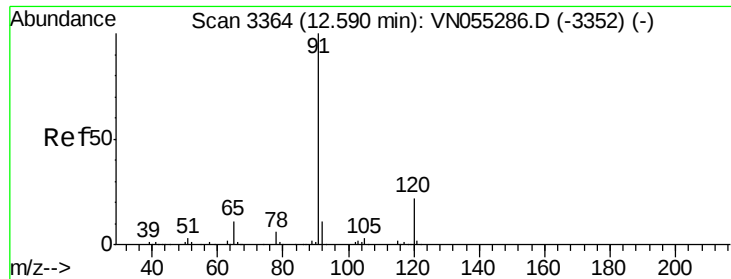
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion:152 Resp: 186808
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 154.6 0.0 345.6



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





#78

n-propylbenzene

Concen: 0.299 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

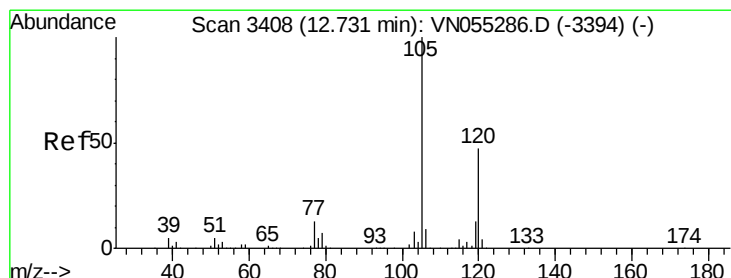
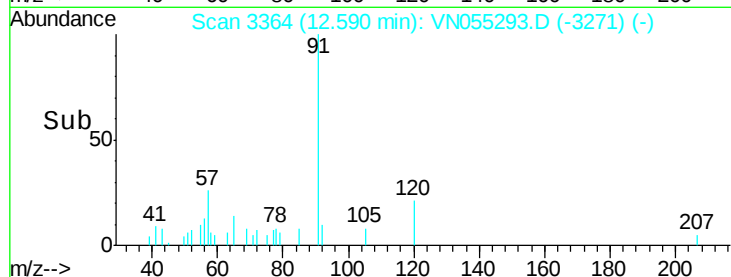
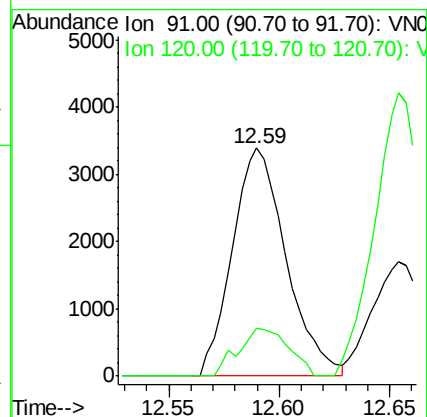
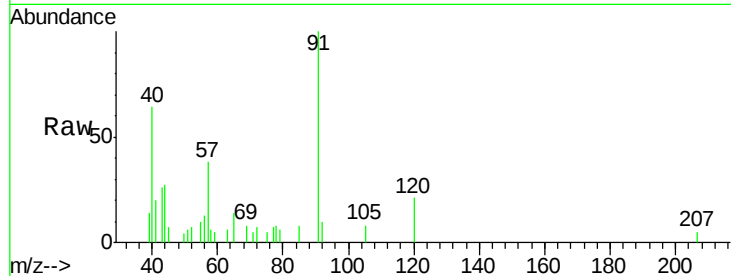
OIL-WATER-SEPARATOR-2(OWS-2)

Tot Ion: 91 Resp: 5738

Ion Ratio Lower Upper

91 100

120 19.6 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 0.798 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055293.D

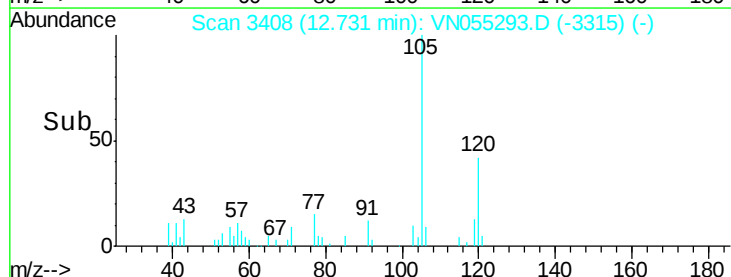
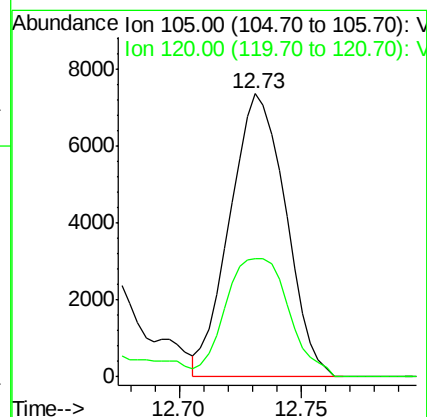
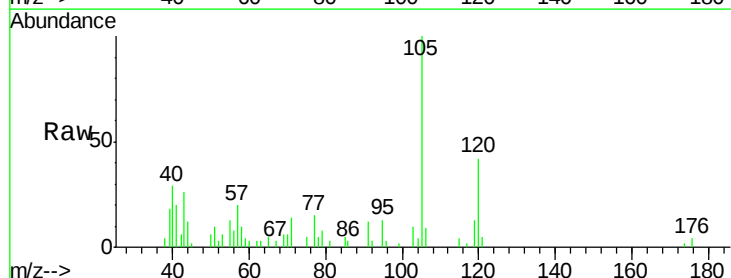
Acq: 29 Apr 2019 15:03

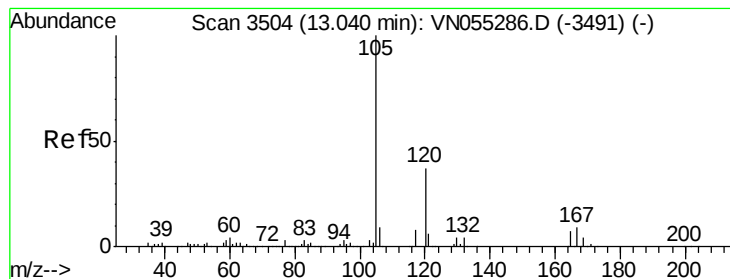
Tgt Ion: 105 Resp: 11686

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#84

1,2,4-Trimethylbenzene

Concen: 3.237 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

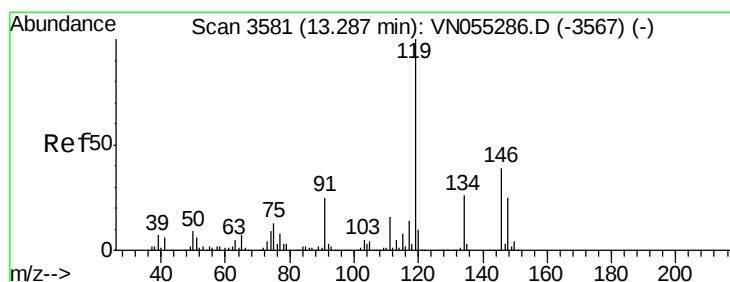
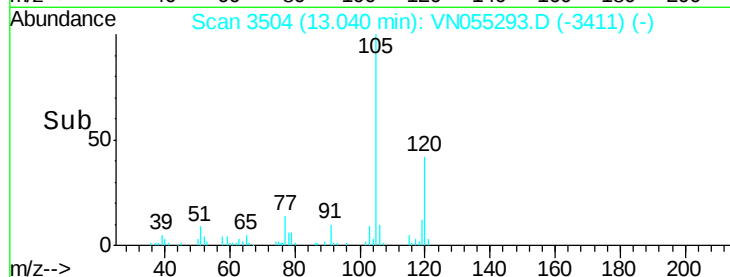
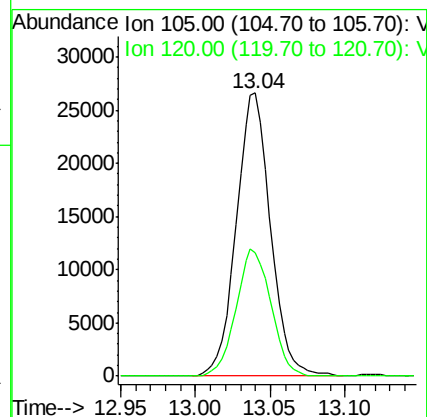
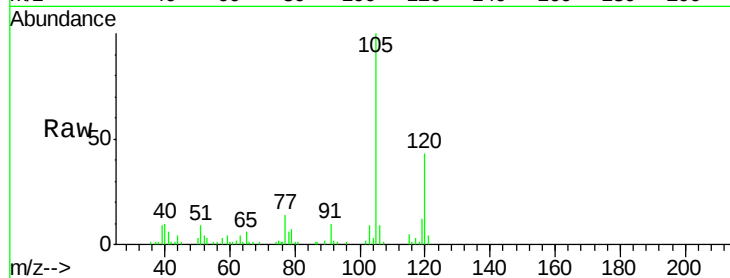
OIL-WATER-SEPARATOR-2(OWS-2

Tot Ion:105 Resp: 42399

Ion Ratio Lower Upper

105 100

120 45.4 22.1 66.5



#86

p-Isopropyltoluene

Concen: 4.565 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Tgt Ion:119 Resp: 59720

Ion Ratio Lower Upper

119 100

134 26.8 13.0 38.9

91 25.7 12.2 36.6

