

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052511.D
 Acq On : 28 Nov 2018 11:24
 Operator : MD\SY
 Sample : J6064-03 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Manual Integrations
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MMDadoda
 11/29/2018 9:34:02 AM

Quant Time: Nov 29 00:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1297784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1976636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1734022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	770676	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	660015	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.59	113	593562	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	2431634	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	977036	61.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.78	59	63278	89.450	ug/l #	86
16) Acetone	3.81	43	2125554	570.303	ug/l	99
25) 2-Butanone	6.83	43	2067041	391.283	ug/l	98
39) Methylcyclohexane	9.08	83	304775	13.433	ug/l	98
40) Benzene	8.04	78	2838016	51.018	ug/l	100
42) 1,2-Dichloroethane	8.13	62	121200	7.196	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	407805	37.702	ug/l	98
52) Toluene	10.16	92	9768510	295.559	ug/l	94
59) 2-Hexanone	10.75	43	906824	124.916	ug/l	93
67) Ethyl Benzene	11.51	91	3985050	63.645	ug/l	99
68) m/p-Xylenes	11.62	106	11608565	498.016	ug/l #	1
69) o-Xylene	11.95	106	5949744	262.848	ug/l	100
73) Isopropylbenzene	12.25	105	330048	5.459	ug/l	99
78) n-propylbenzene	12.59	91	1176014	17.121	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3964316	82.208	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	14978521	309.939	ug/l	95
85) sec-Butylbenzene	13.17	105	158509m	2.707	ug/l	
86) p-Isopropyltoluene	13.29	119	121117m	2.429	ug/l	
89) n-Butylbenzene	13.62	91	337319m	8.133	ug/l	
95) Naphthalene	15.14	128	4365681	143.571	ug/l	100

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

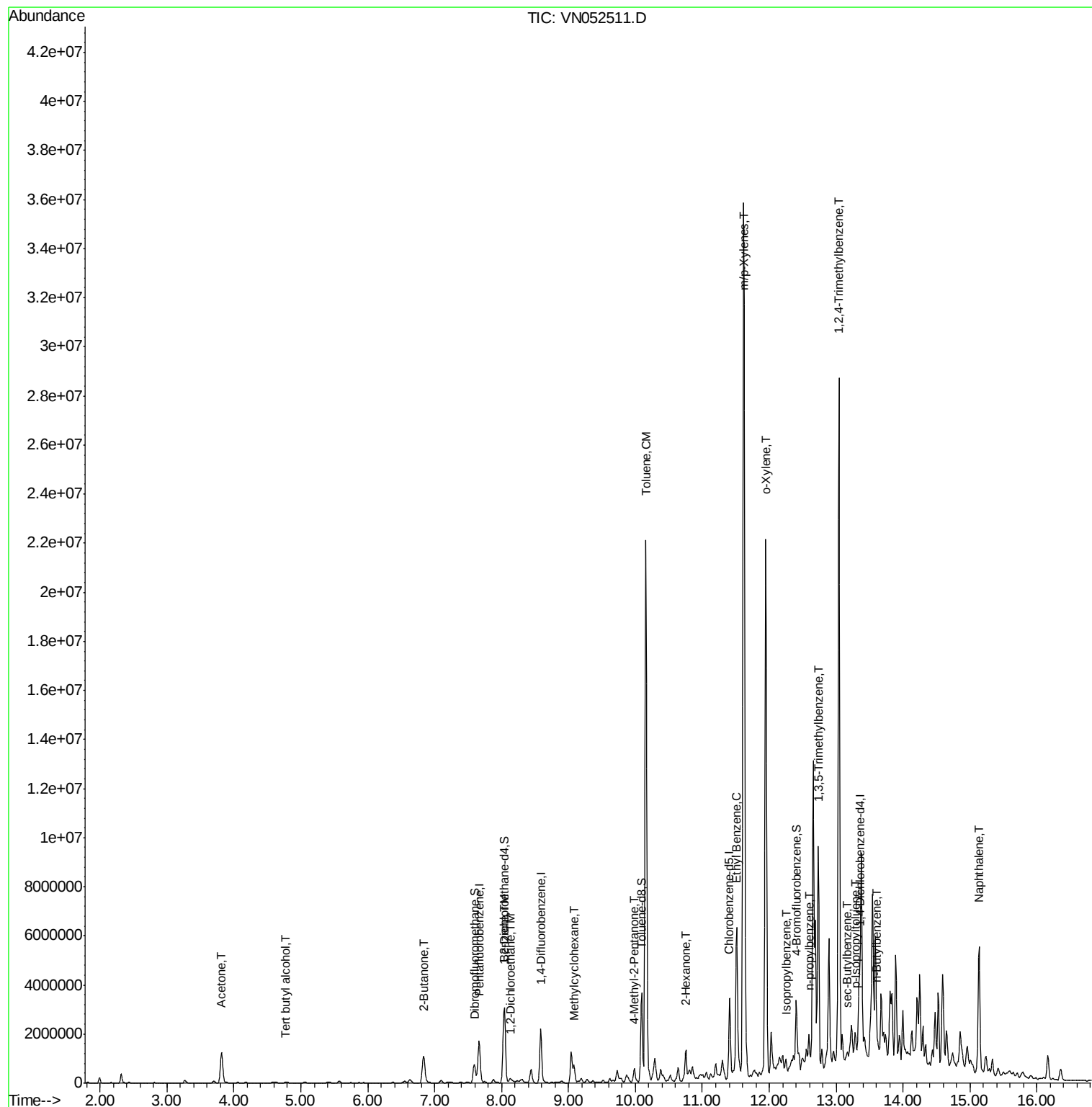
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052511.D
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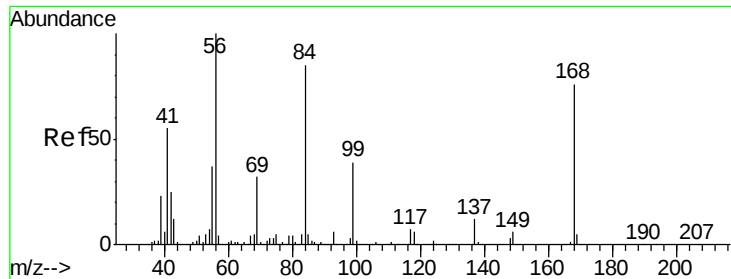
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

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Quant Time: Nov 29 00:22:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
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: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion:168 Resp: 1297784

Ion Ratio Lower Upper

168 100

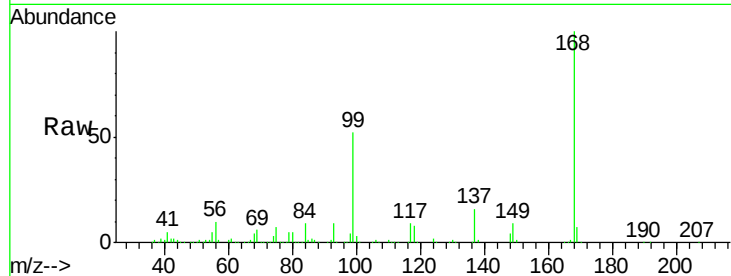
99 51.8 41.7 62.5

Manual Integrations

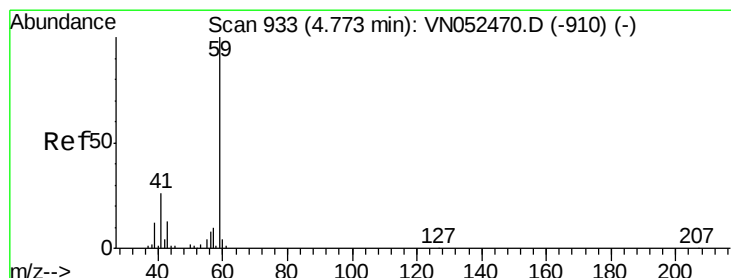
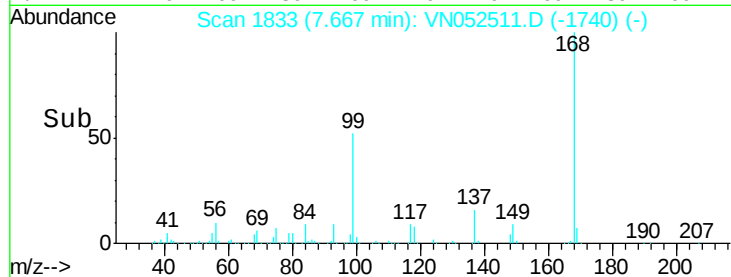
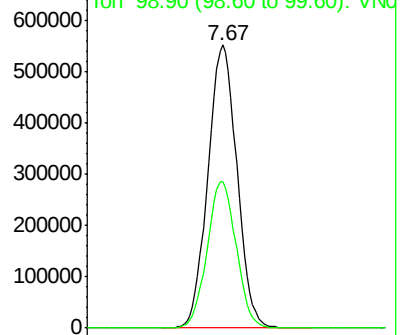
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Abundance Ion 167.90 (167.60 to 168.60): VN052511.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 89.450 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN052511.D

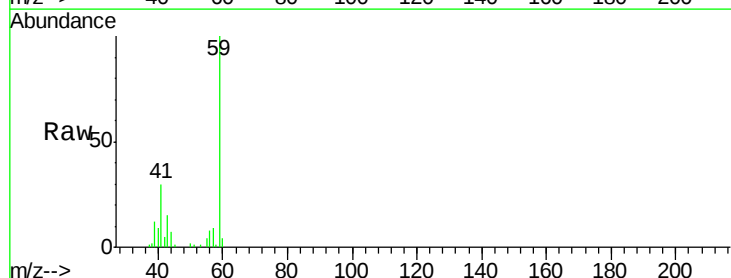
Acq: 28 Nov 2018 11:24

Tgt Ion: 59 Resp: 63278

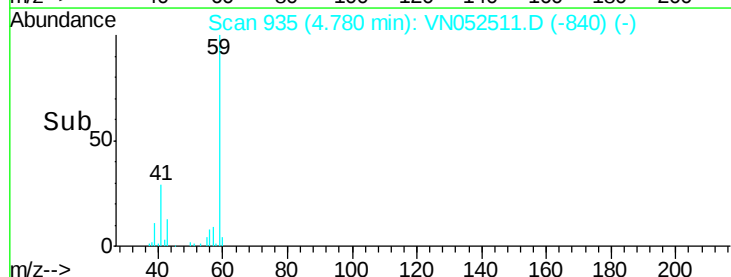
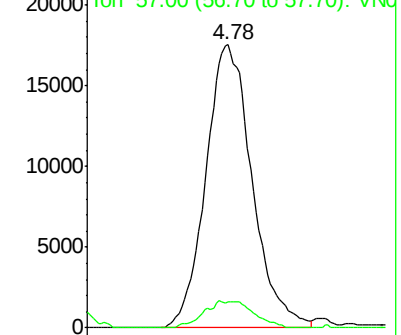
Ion Ratio Lower Upper

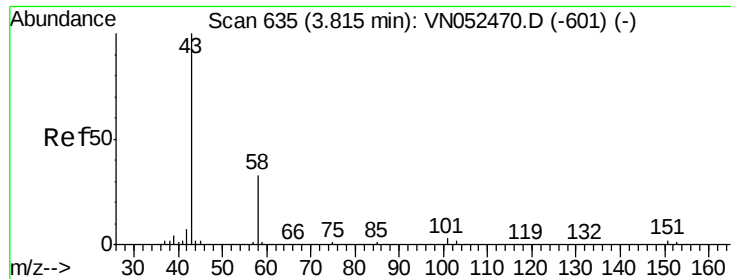
59 100

57 4.6 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN052511.D (-840) (-)





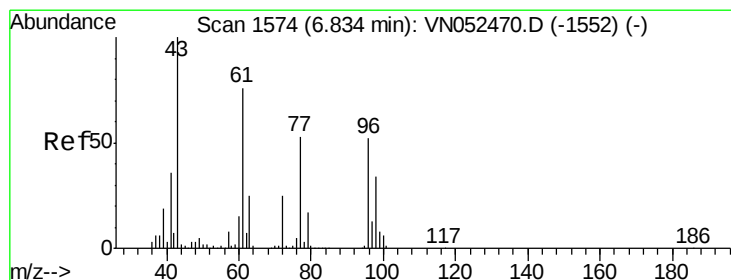
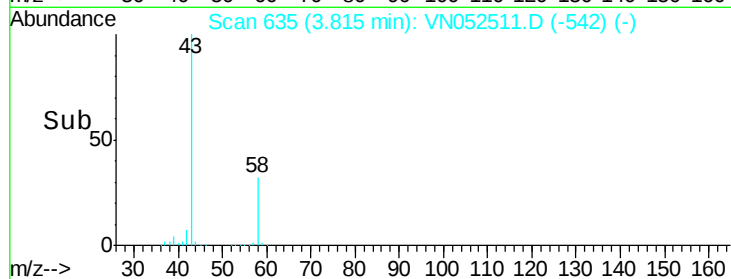
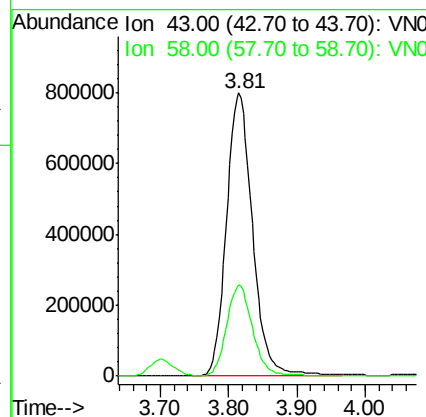
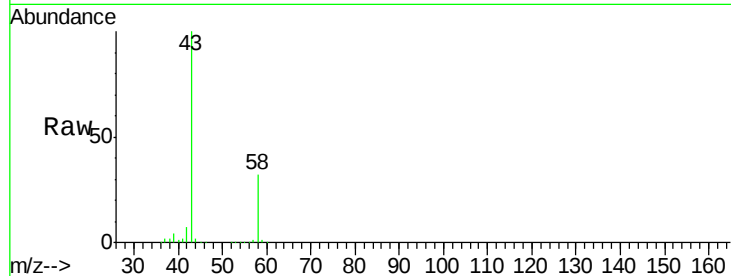
#16
Acetone
Concen: 570.303 ug/l
RT: 3.81 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tot Ion: 43 Resp: 212554
Ion Ratio Lower Upper
43 100
58 32.0 26.0 39.0

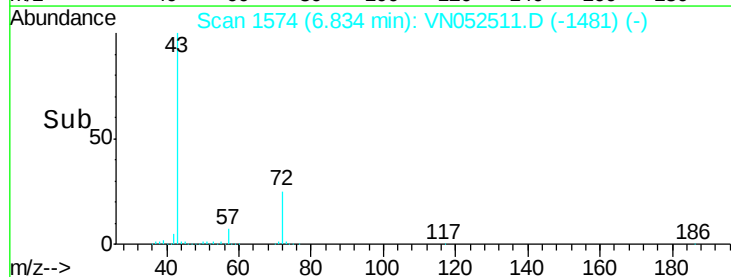
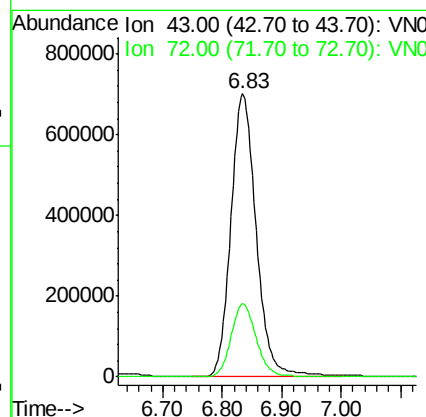
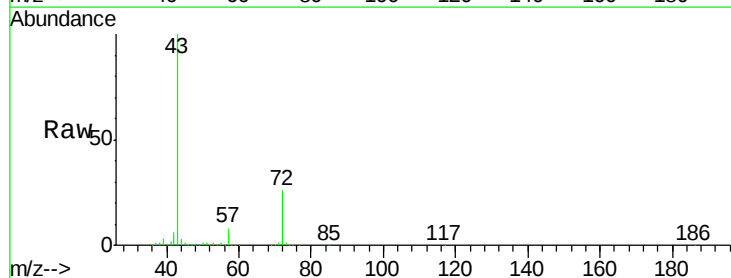
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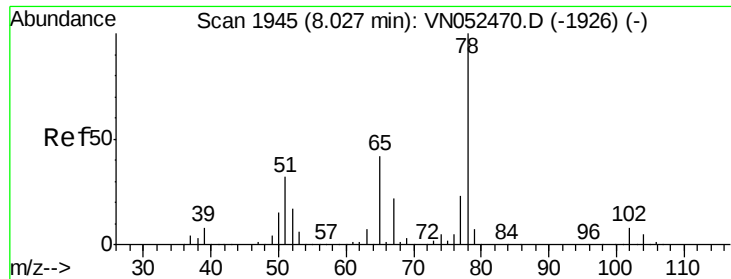
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#25
2-Butanone
Concen: 391.283 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tgt Ion: 43 Resp: 2067041
Ion Ratio Lower Upper
43 100
72 25.9 20.1 30.1





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion: 65 Resp: 660015

Ion Ratio Lower Upper

65 100

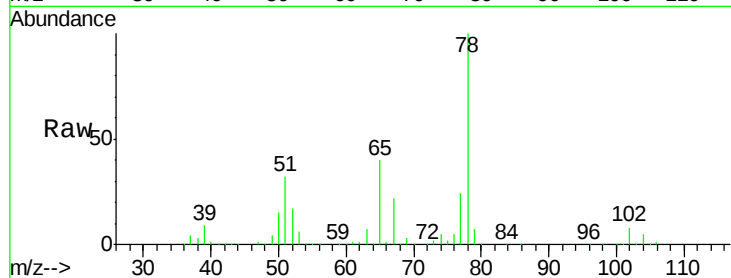
67 54.2 0.0 109.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN052470.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052470.D (-1926) (-)

8.03

300000

250000

200000

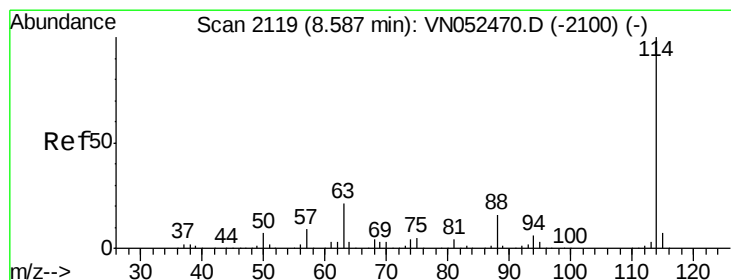
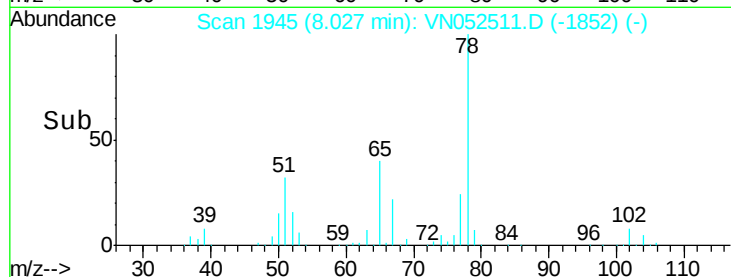
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

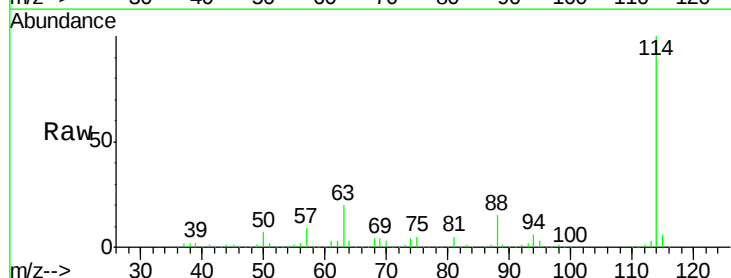
Tgt Ion: 114 Resp: 1976636

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.8

88 15.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN052470.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN052470.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN052470.D (-2100) (-)

8.59

1200000

1000000

800000

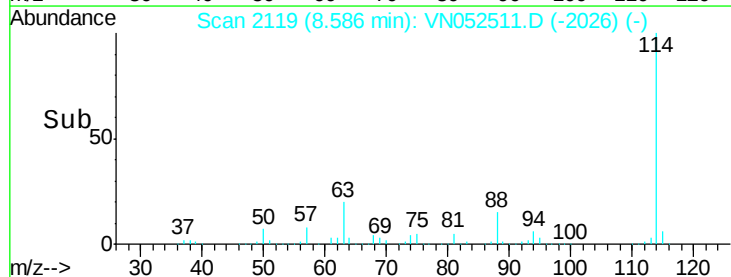
600000

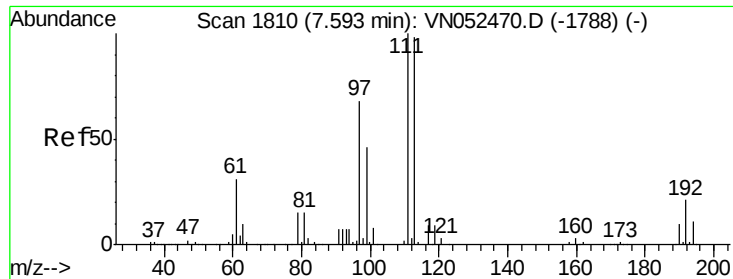
400000

200000

0

Time-->





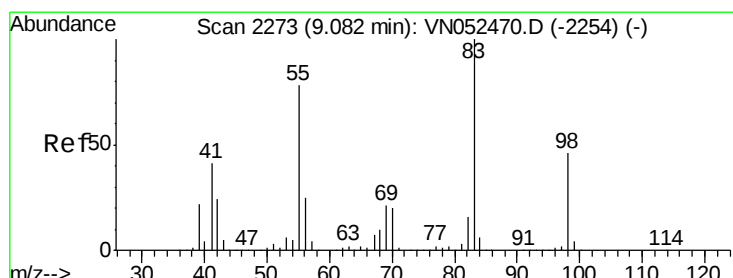
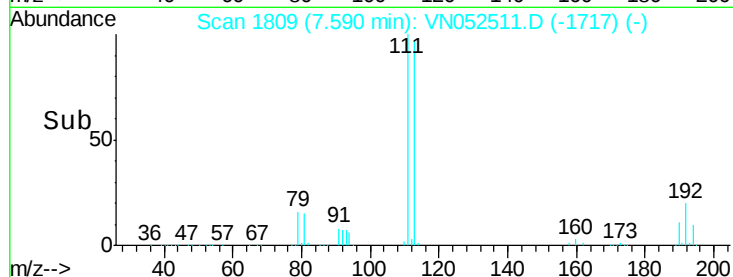
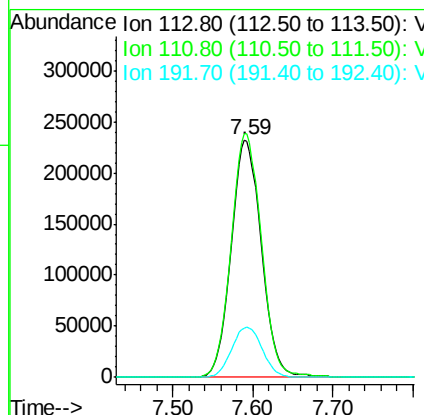
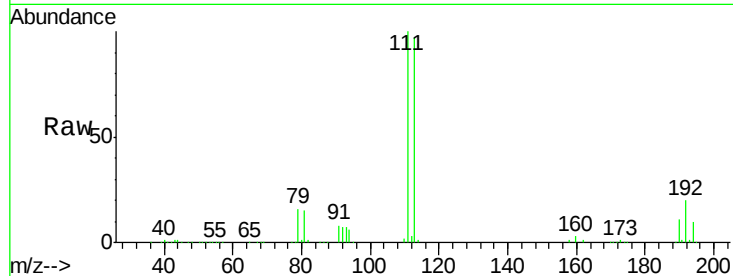
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	21.5	17.0	25.6

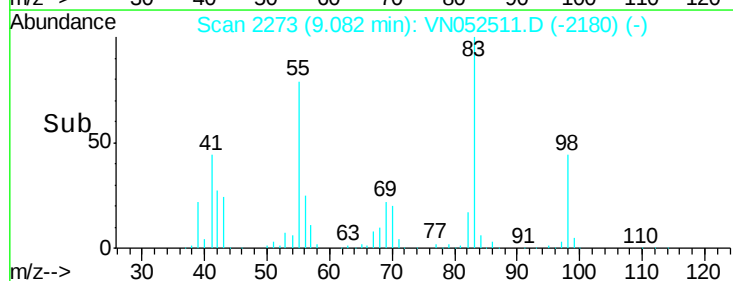
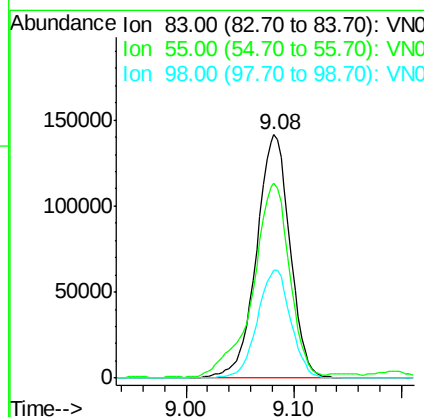
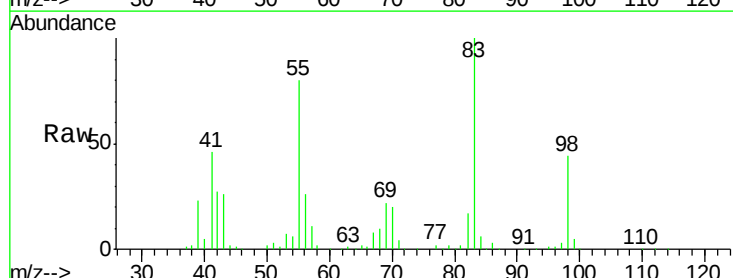
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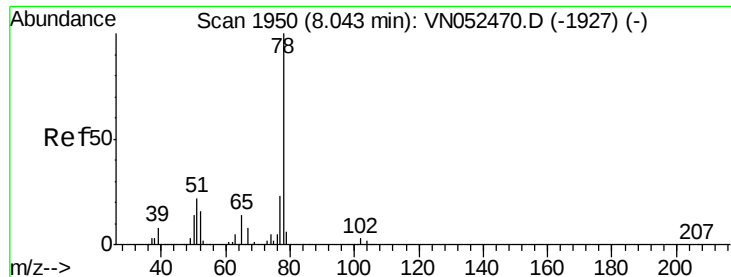
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#39
Methylcyclohexane
Concen: 13.433 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.2	93.2
98	44.4	36.4	54.6





#40

Benzene

Concen: 51.018 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion: 78 Resp: 2838016

Ion Ratio Lower Upper

78 100

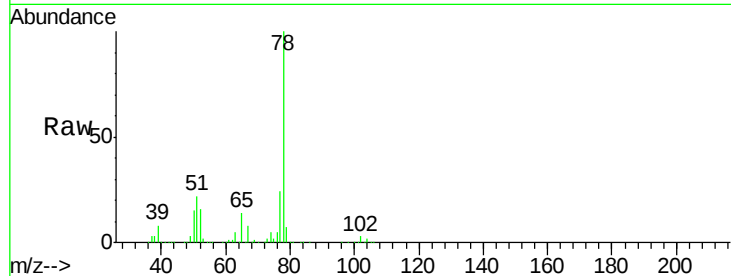
77 23.6 18.8 28.2

Manual Integrations

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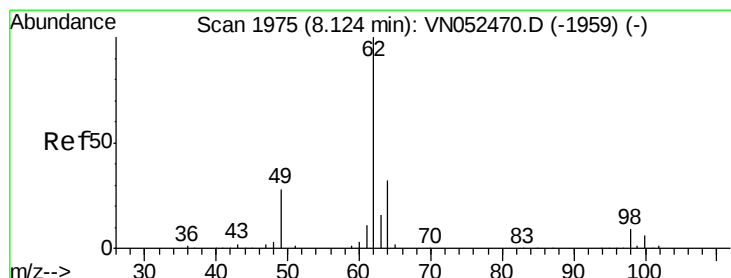
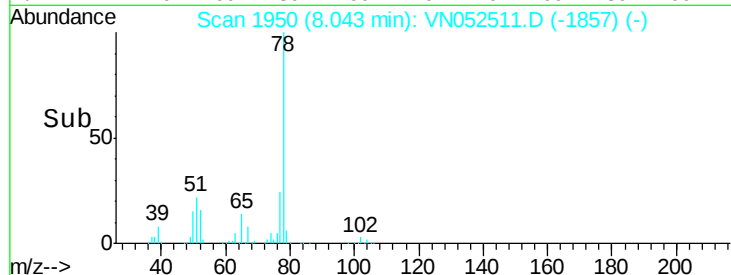
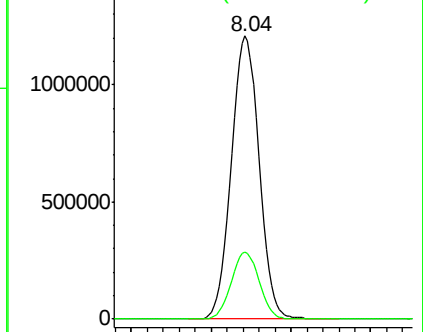
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 7.196 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052511.D

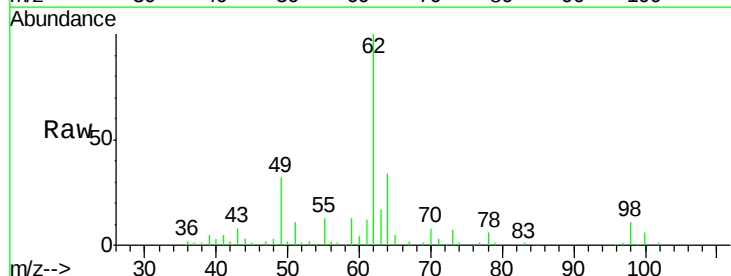
Acq: 28 Nov 2018 11:24

Tgt Ion: 62 Resp: 121200

Ion Ratio Lower Upper

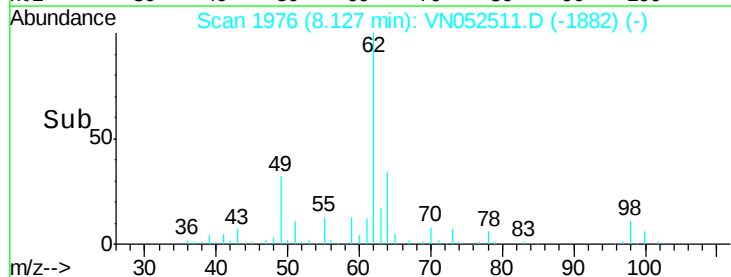
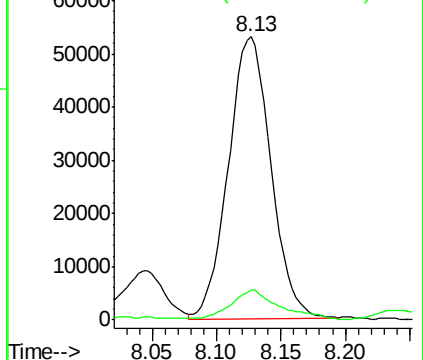
62 100

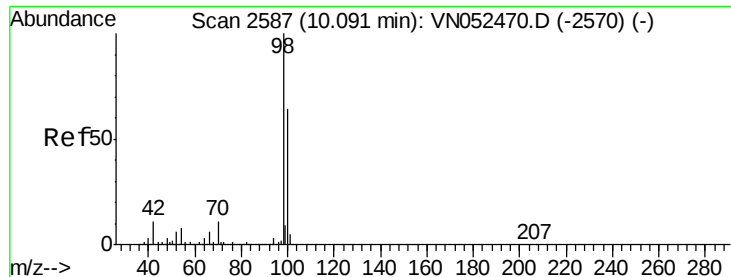
98 11.3 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion: 98 Resp: 2431634

Ion Ratio Lower Upper

98 100

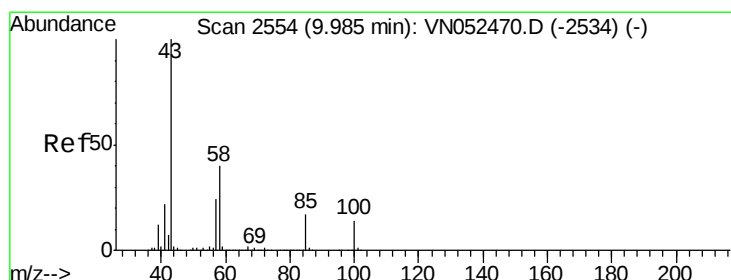
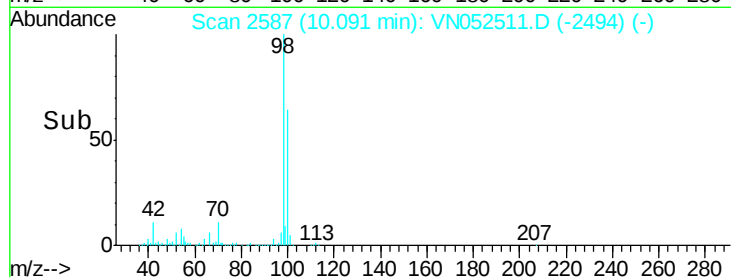
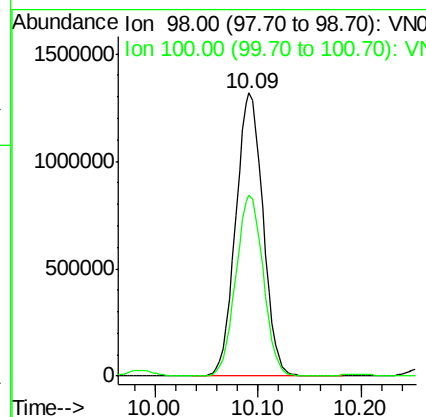
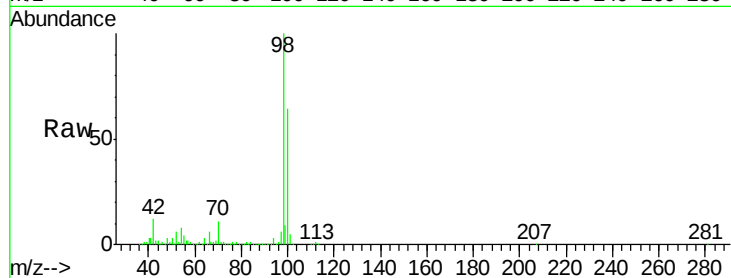
100 64.3 51.3 76.9

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#51

4-Methyl-2-Pentanone

Concen: 37.702 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052511.D

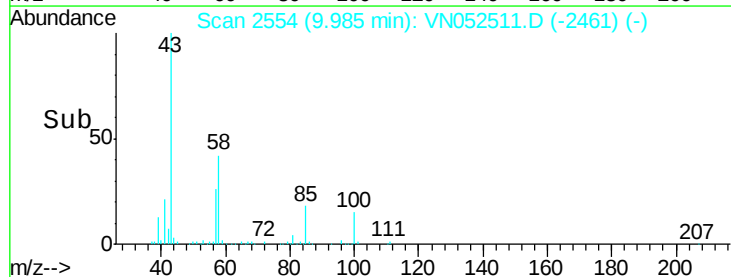
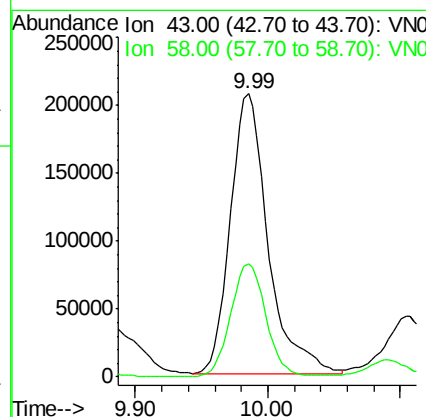
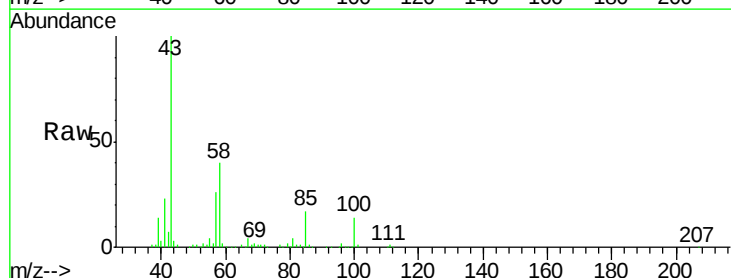
Acq: 28 Nov 2018 11:24

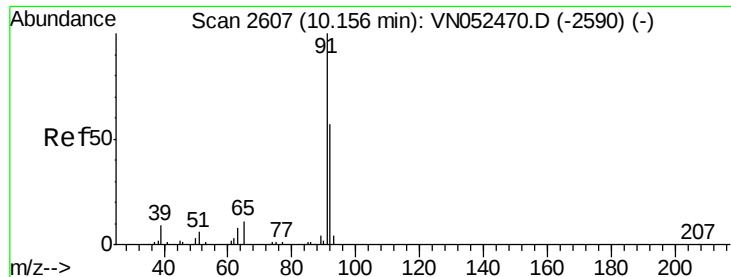
Tgt Ion: 43 Resp: 407805

Ion Ratio Lower Upper

43 100

58 38.0 31.5 47.3





#52

Toluene

Concen: 295.559 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion: 92 Resp: 9768510

Ion Ratio Lower Upper

92 100

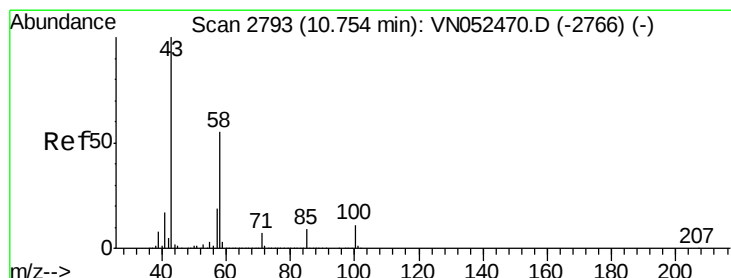
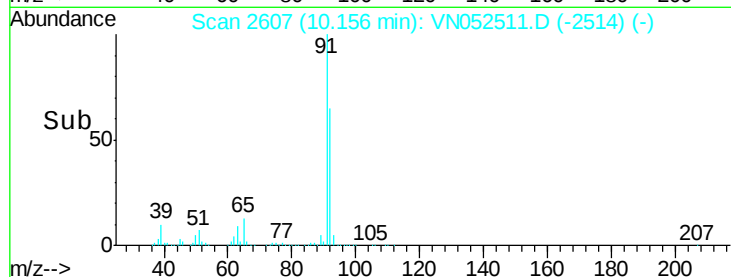
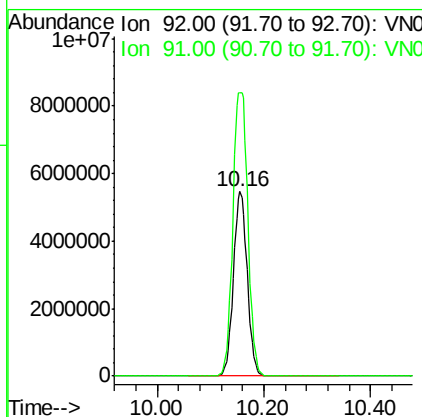
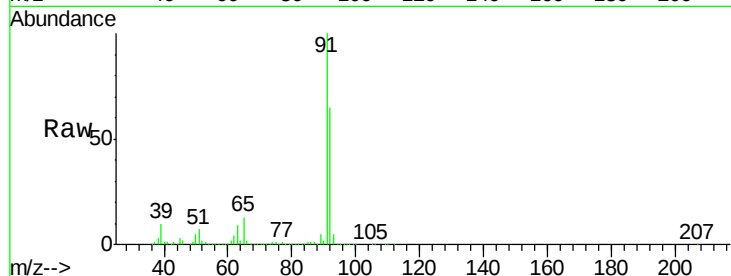
91 168.1 141.0 211.4

Manual Integrations

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#59

2-Hexanone

Concen: 124.916 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052511.D

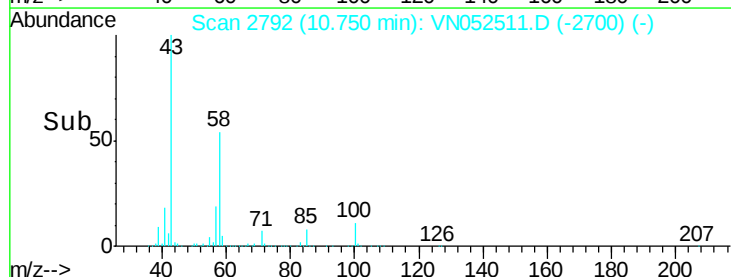
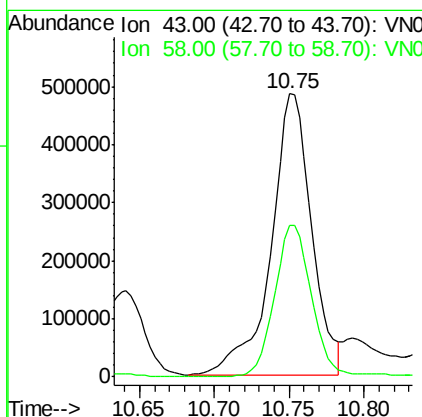
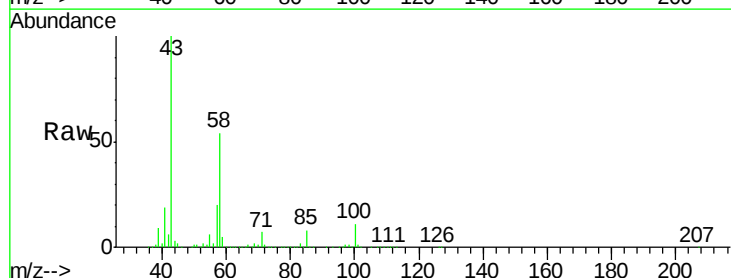
Acq: 28 Nov 2018 11:24

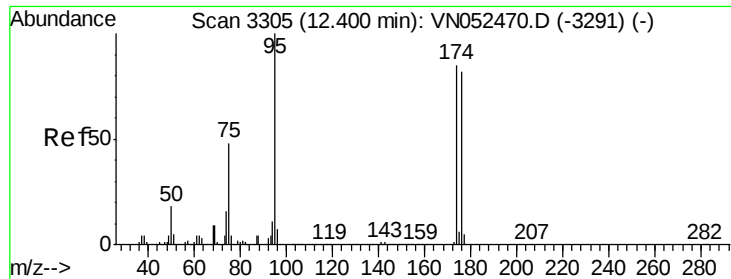
Tgt Ion: 43 Resp: 906824

Ion Ratio Lower Upper

43 100

58 49.4 27.4 82.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

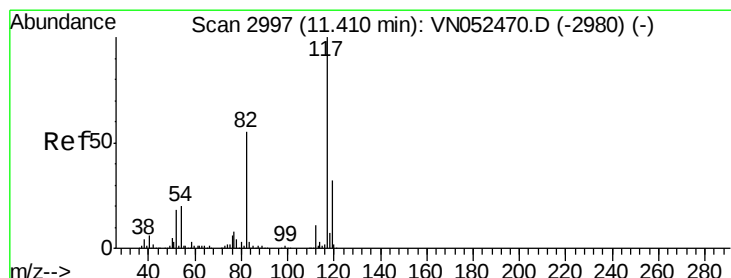
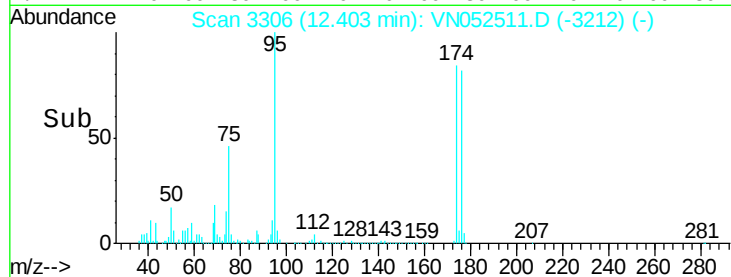
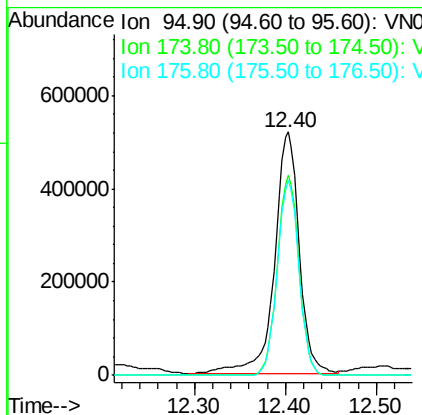
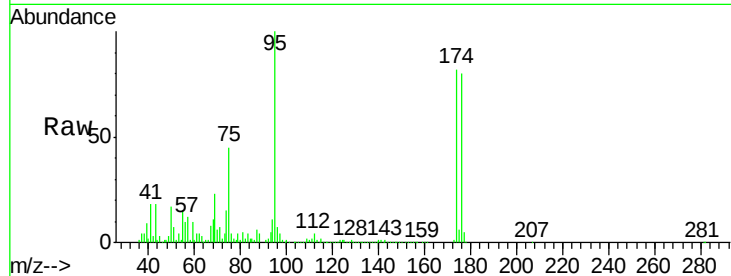
ClientSampleId :

OILY-WATER

Tot Ion:	95	Resp:	977036
Ion Ratio	Lower	Upper	
95	100		
174	72.2	0.0	173.0
176	70.5	0.0	166.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

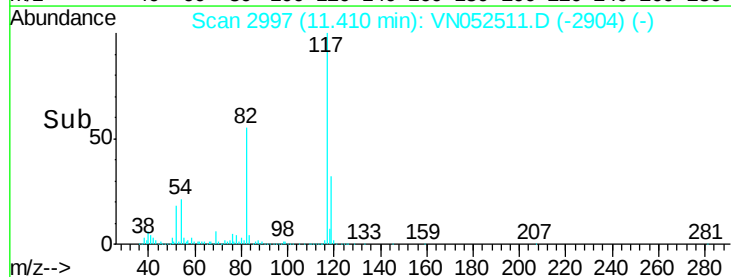
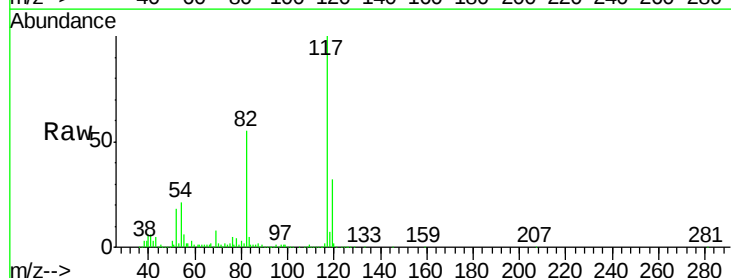
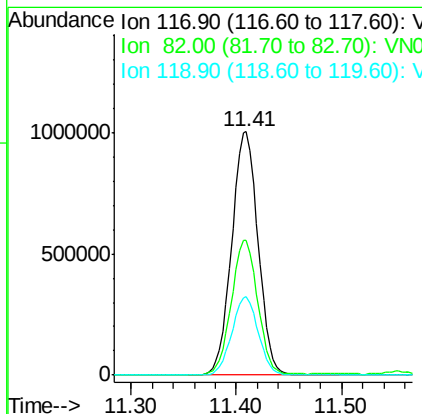
RT: 11.41 min Scan# 2997

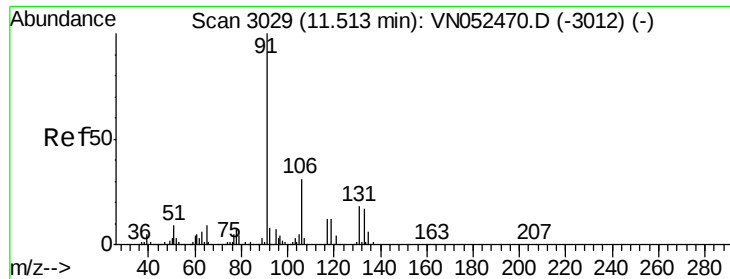
Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Tgt Ion:	117	Resp:	1734022
Ion Ratio	Lower	Upper	
117	100		
82	54.9	43.6	65.4
119	32.1	25.4	38.2





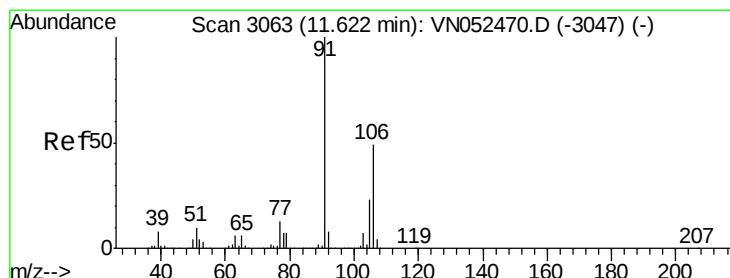
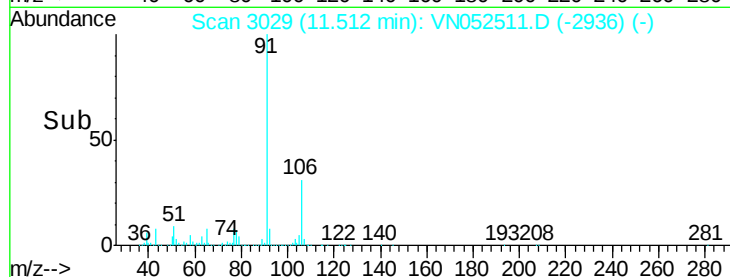
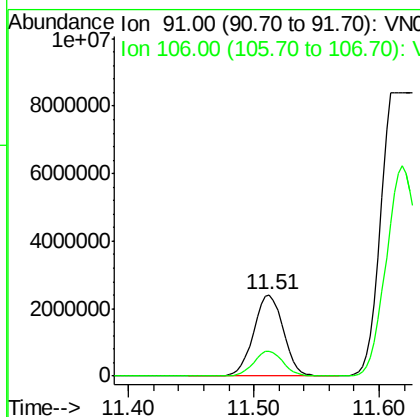
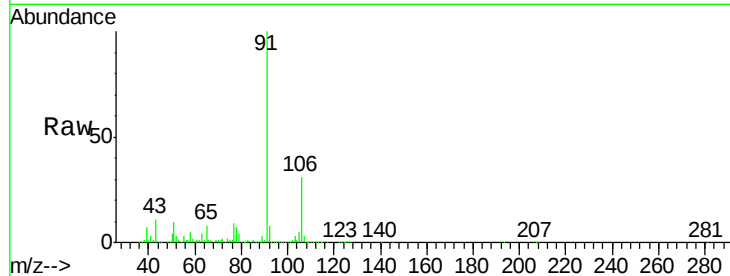
#67
Ethyl Benzene
Concen: 63.645 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tot Ion: 91 Resp: 3985050
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

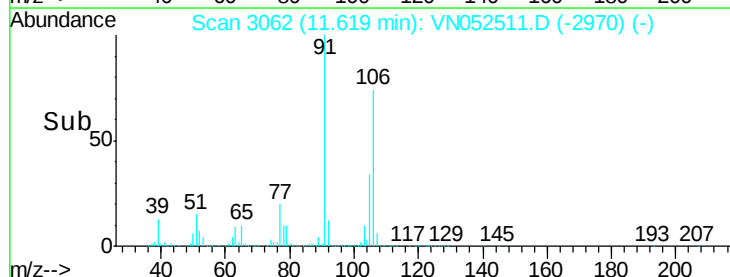
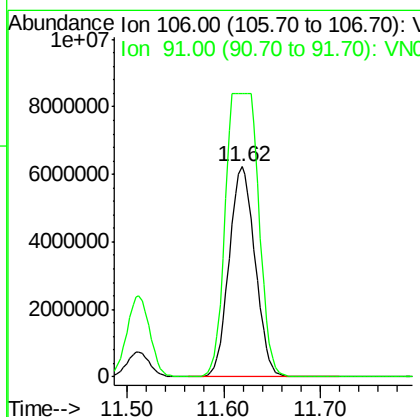
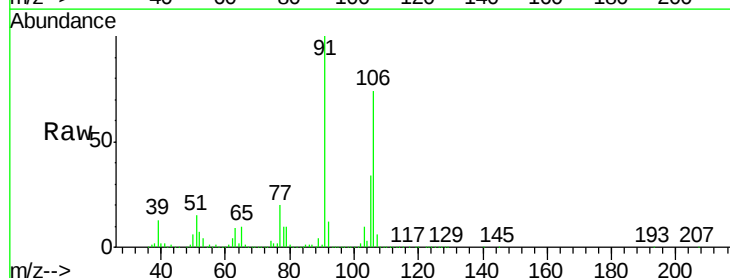
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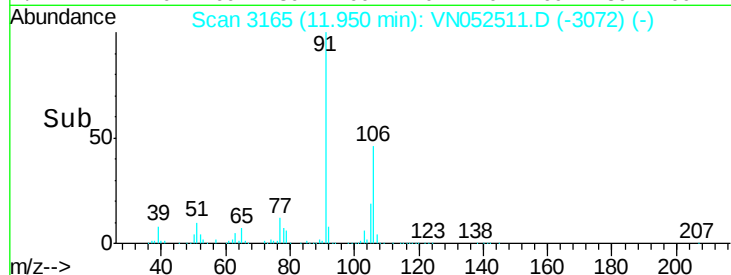
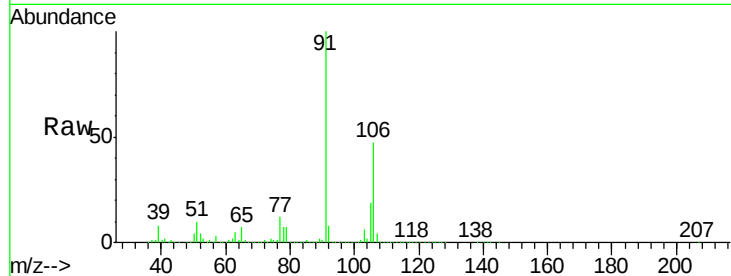
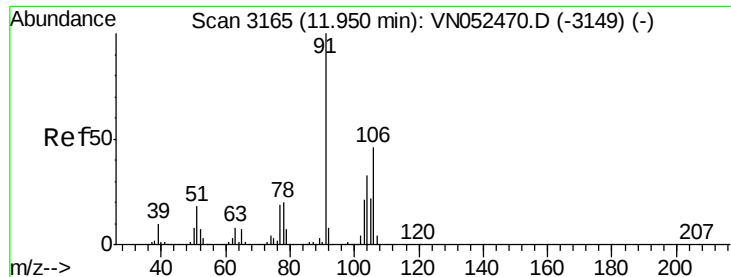
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#68
m/p-Xylenes
Concen: 498.016 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tgt Ion: 106 Resp: 11608565
Ion Ratio Lower Upper
106 100
91 0.0 163.2 244.8#





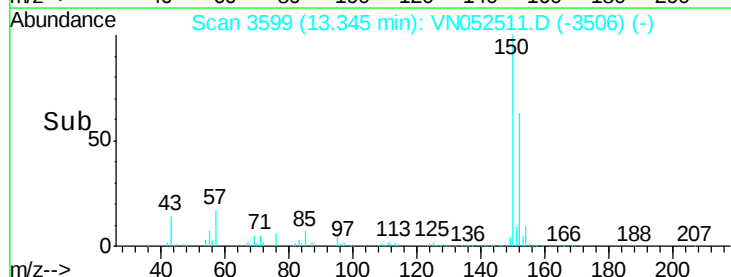
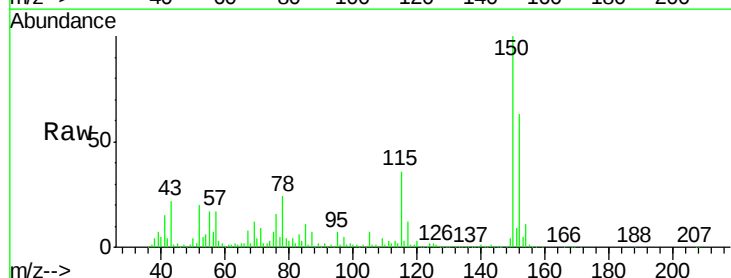
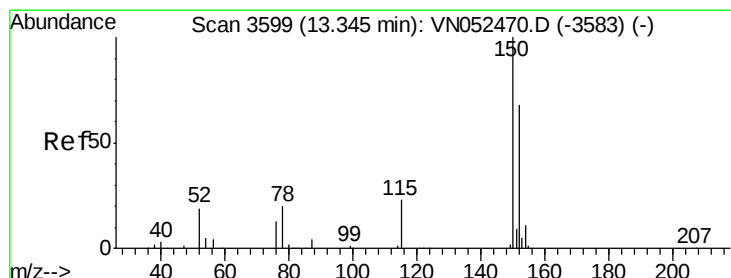
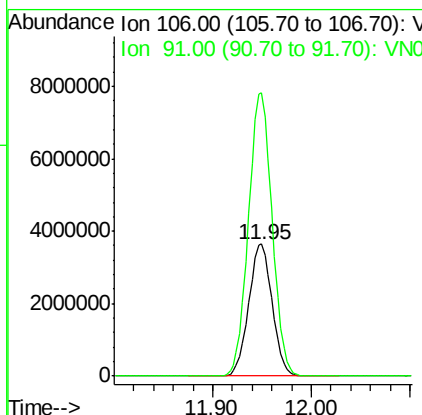
#69
o-Xylene
Concen: 262.848 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tot Ion:106 Resp: 5949744
Ion Ratio Lower Upper
106 100
91 216.1 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

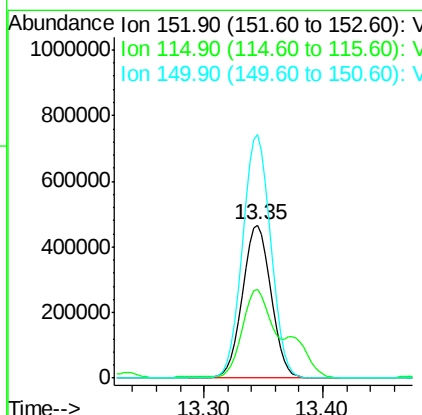
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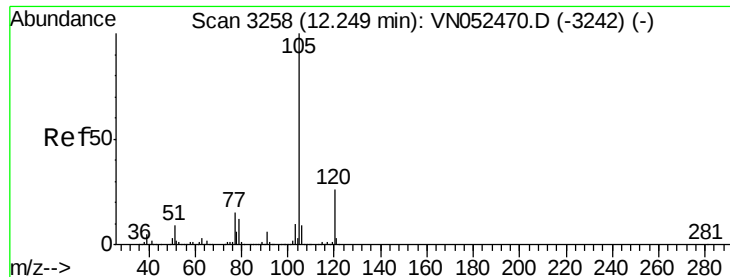
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tgt Ion:152 Resp: 770676
Ion Ratio Lower Upper
152 100
115 62.2 28.4 85.2
150 157.9 0.0 346.0





#73

Isopropylbenzene

Concen: 5.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052511.D

Acq: 28 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

Tot Ion: 105 Resp: 330048

Ion Ratio Lower Upper

105 100

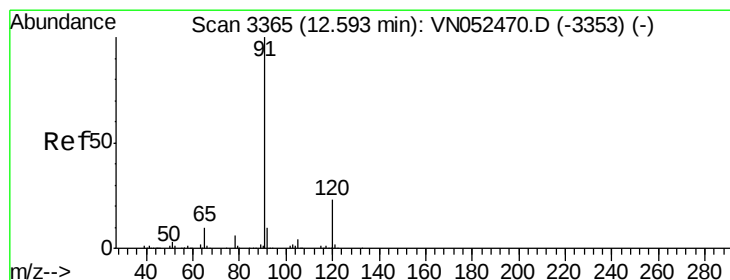
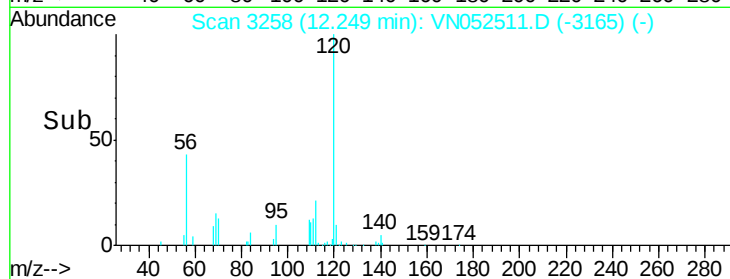
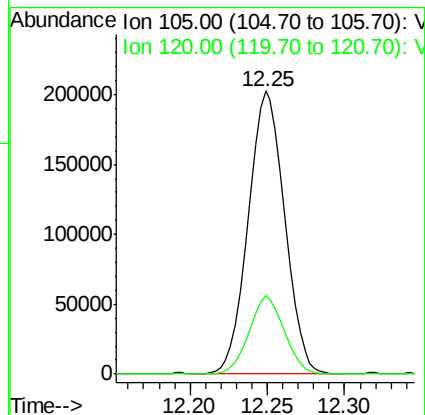
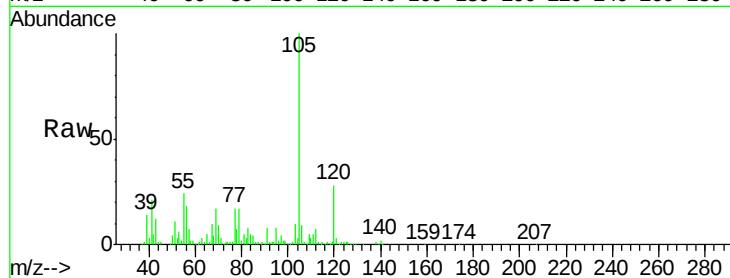
120 26.9 13.1 39.3

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#78

n-propylbenzene

Concen: 17.121 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052511.D

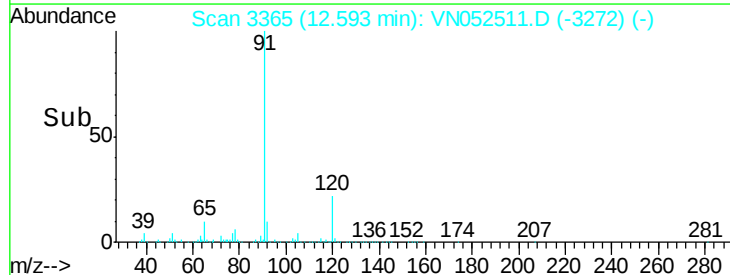
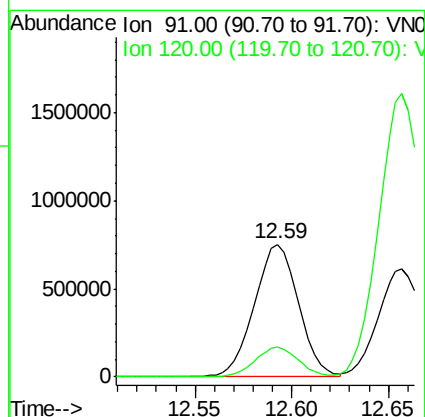
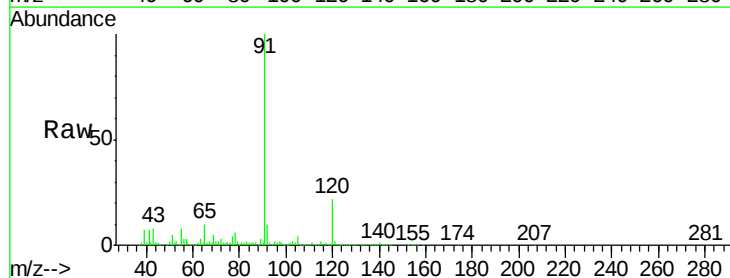
Acq: 28 Nov 2018 11:24

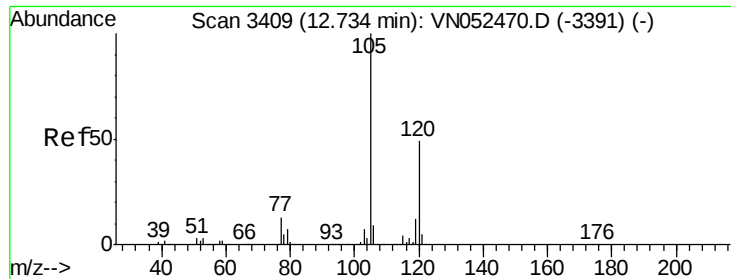
Tgt Ion: 91 Resp: 1176014

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9





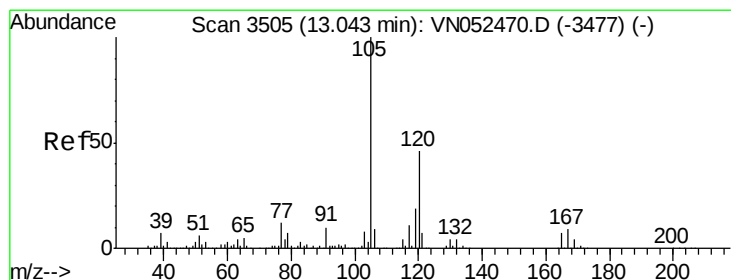
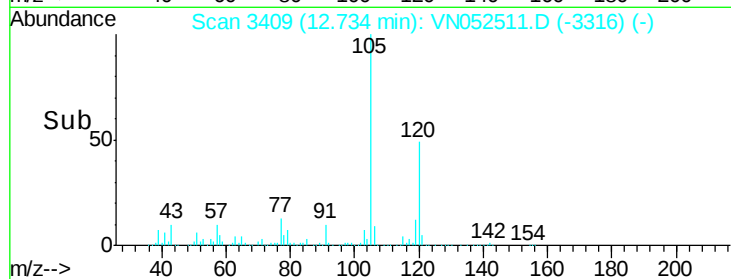
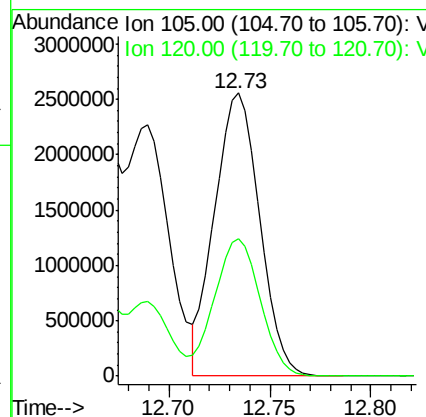
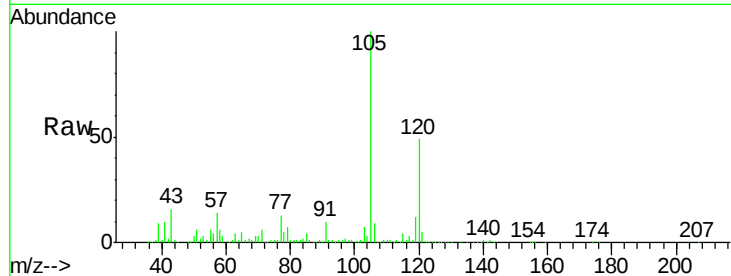
#80
 1,3,5-Trimethylbenzene
 Concen: 82.208 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052511.D
 Acq: 28 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Tot Ion:105 Resp: 3964316
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 73.0

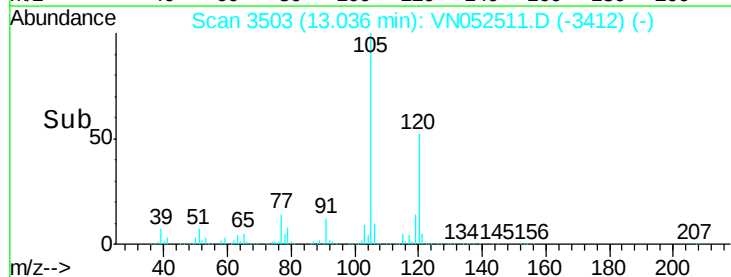
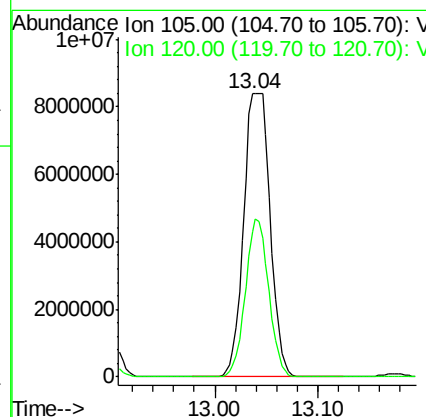
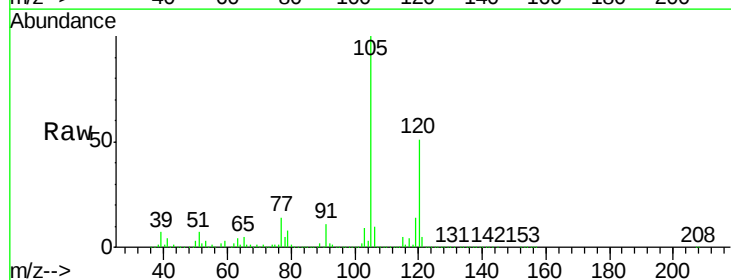
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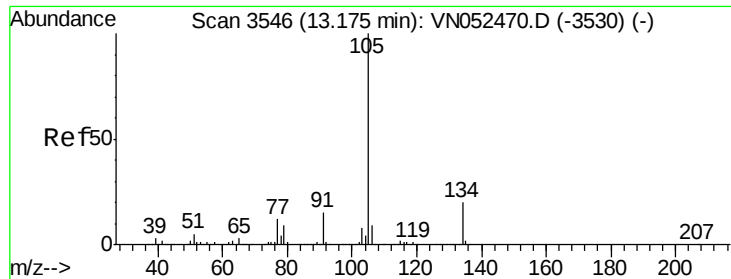
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#84
 1,2,4-Trimethylbenzene
 Concen: 309.939 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.01 min
 Lab File: VN052511.D
 Acq: 28 Nov 2018 11:24

Tgt Ion:105 Resp:14978521
 Ion Ratio Lower Upper
 105 100
 120 49.0 22.8 68.4





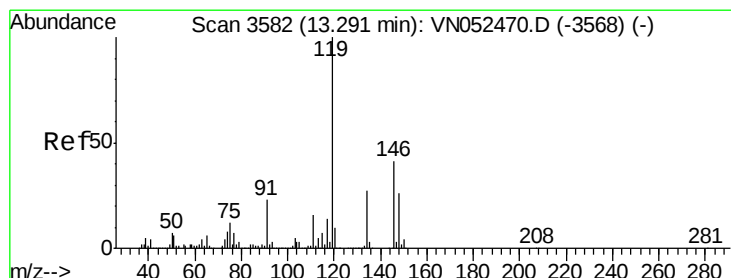
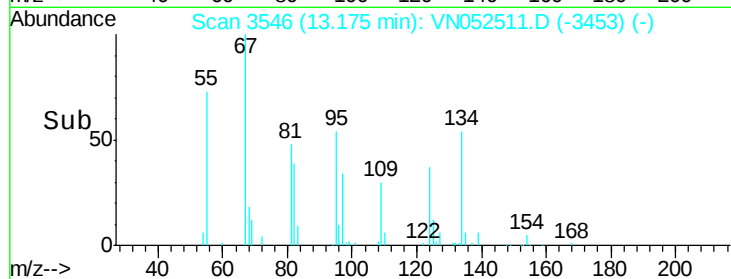
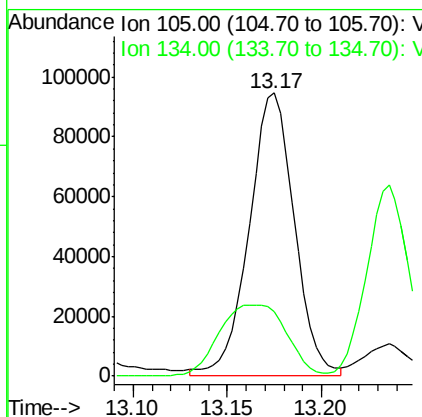
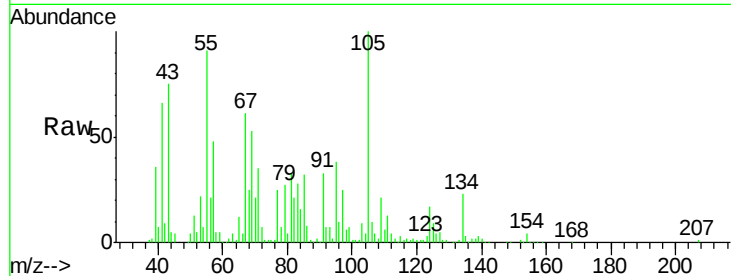
#85
 sec-Butylbenzene
 Concen: 2.707 ug/l m
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052511.D
 Acq: 28 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Tot Ion:105 Resp: 158509
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#

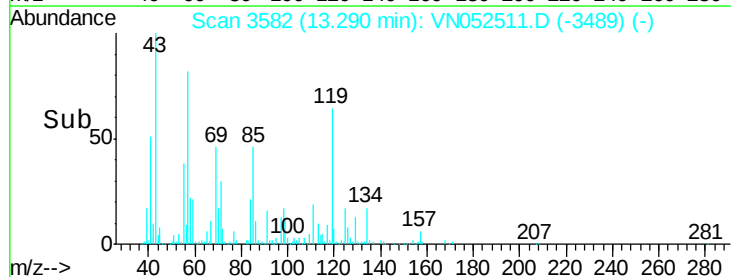
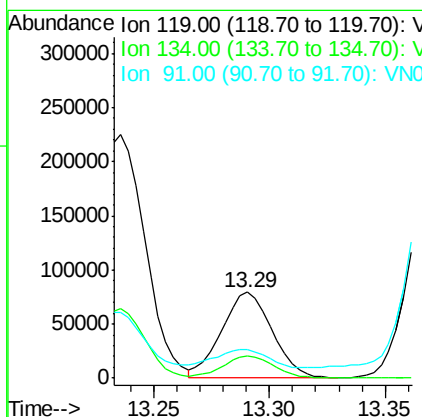
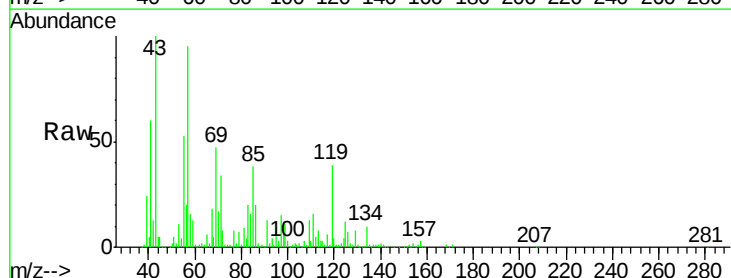
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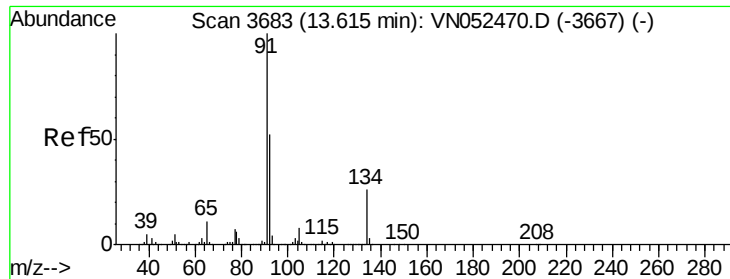
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#86
 p-Isopropyltoluene
 Concen: 2.429 ug/l m
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052511.D
 Acq: 28 Nov 2018 11:24

Tgt Ion:119 Resp: 121117
 Ion Ratio Lower Upper
 119 100
 134 81.3 13.4 40.2#
 91 69.0 11.4 34.2#





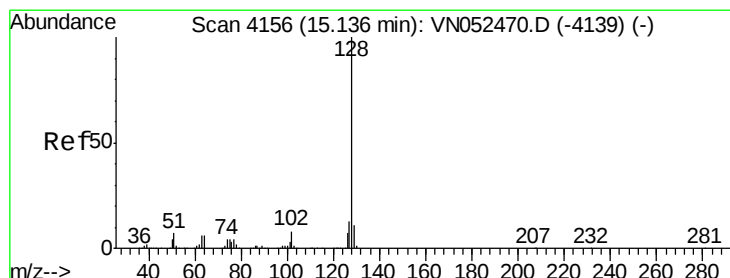
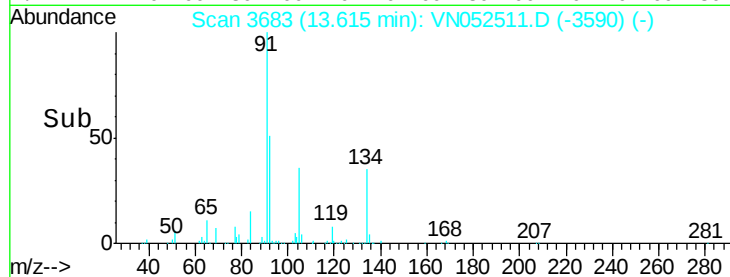
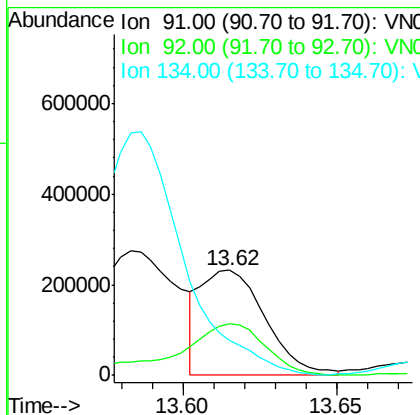
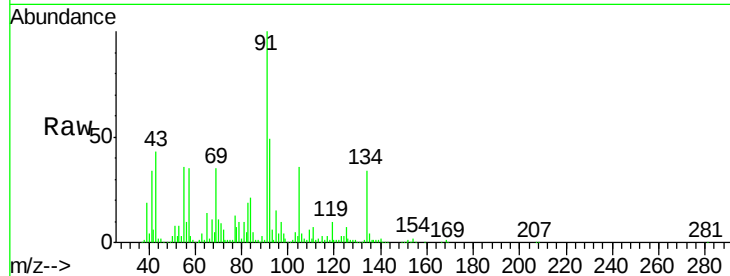
#89
n-Butylbenzene
Concen: 8.133 ug/l m
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	0.0	26.1	78.3#	
134	301.2	13.0	38.9#	

Manual Integrations
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#95
Naphthalene
Concen: 143.571 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052511.D
Acq: 28 Nov 2018 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
127	12.8	10.2	15.2	
129	11.0	8.7	13.1	

