

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052519.D
 Acq On : 28 Nov 2018 15:01
 Operator : MD\SY
 Sample : J6064-03DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Manual Integrations
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 11/29/2018 9:34:23 AM

Quant Time: Nov 29 00:56:41 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	1425566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2151363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1854331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	774457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	711381	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
35) Dibromofluoromethane	7.59	113	645159	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	2613680	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	871451	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.77	59	5643	7.262	ug/l #	85
16) Acetone	3.82	43	211486	51.657	ug/l	99
25) 2-Butanone	6.84	43	190674	32.859	ug/l	96
39) Methylcyclohexane	9.08	83	31741	1.285	ug/l	99
40) Benzene	8.04	78	306118	5.056	ug/l	99
42) 1,2-Dichloroethane	8.13	62	13432	0.733	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	36891	3.134	ug/l	97
52) Toluene	10.16	92	1042451	28.979	ug/l	99
59) 2-Hexanone	10.75	43	72153	9.132	ug/l	96
67) Ethyl Benzene	11.51	91	416699	6.223	ug/l	100
68) m/p-Xylenes	11.62	106	1226354	49.198	ug/l	100
69) o-Xylene	11.95	106	638453	26.376	ug/l	100
73) Isopropylbenzene	12.25	105	38691	0.637	ug/l	100
78) n-propylbenzene	12.59	91	128344	1.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	454464	9.378	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1769892	36.444	ug/l	100
85) sec-Butylbenzene	13.17	105	19480m	0.331	ug/l	
86) p-Isopropyltoluene	13.29	119	15150m	0.302	ug/l	
89) n-Butylbenzene	13.62	91	29810	0.715	ug/l #	51
95) Naphthalene	15.14	128	304554	13.157	ug/l	99

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

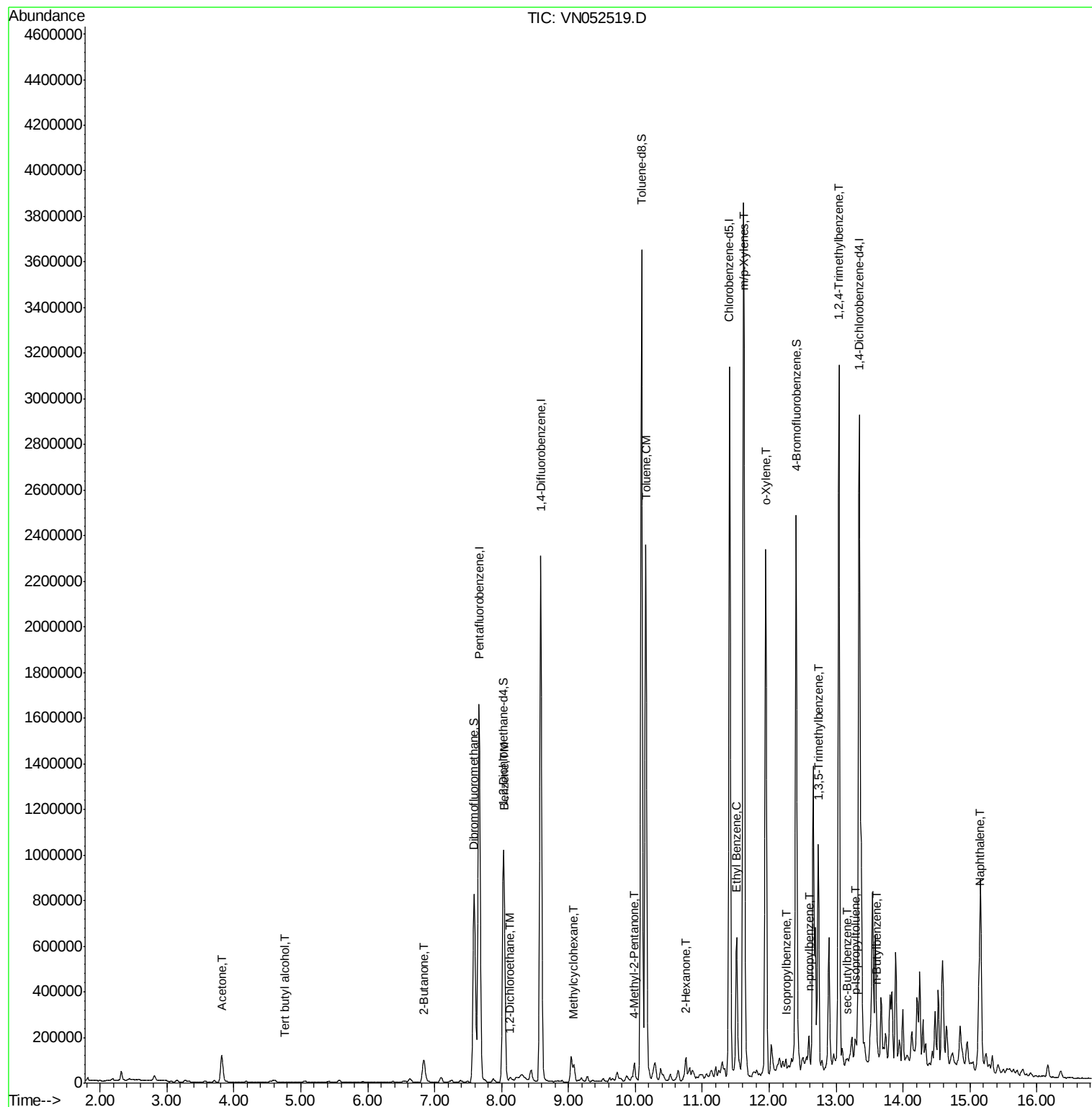
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052519.D
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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion:168 Resp: 1425566

Ion Ratio Lower Upper

168 100

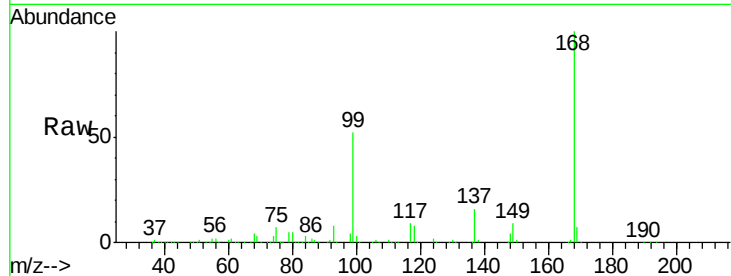
99 51.6 41.7 62.5

Manual Integrations

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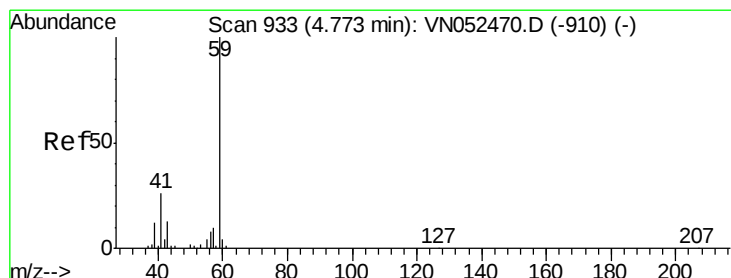
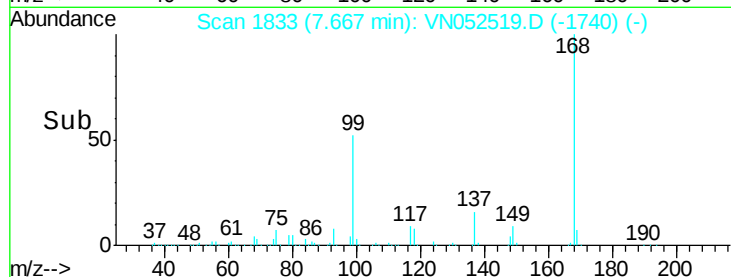
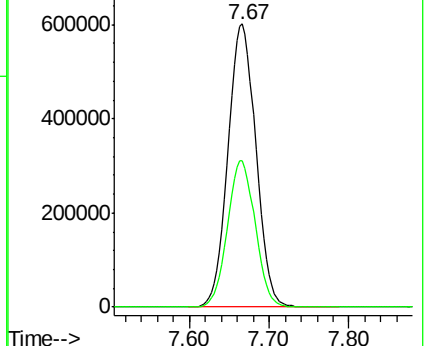
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 7.262 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN052519.D

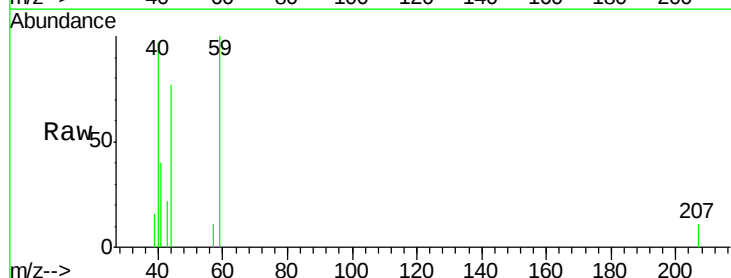
Acq: 28 Nov 2018 15:01

Tgt Ion: 59 Resp: 5643

Ion Ratio Lower Upper

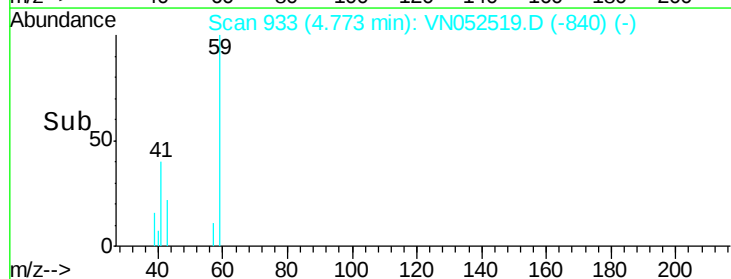
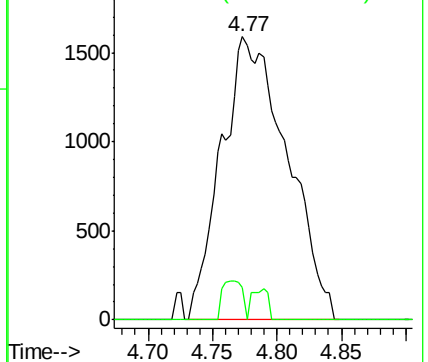
59 100

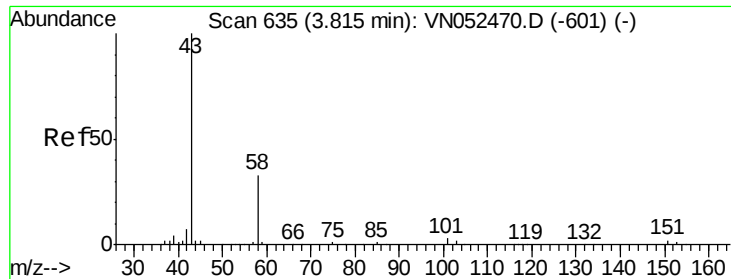
57 4.2 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 51.657 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Tot Ion: 43 Resp: 211486

Ion Ratio Lower Upper

43 100

58 33.1 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

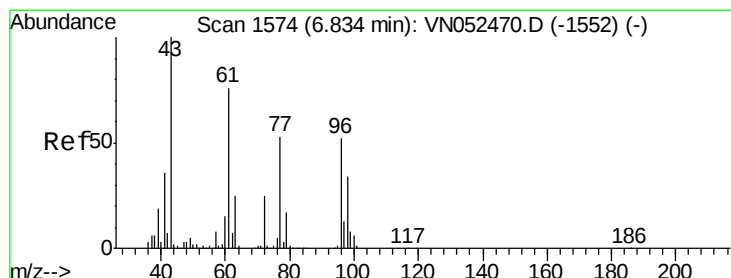
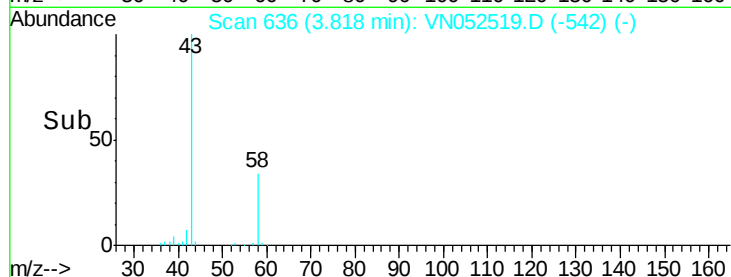
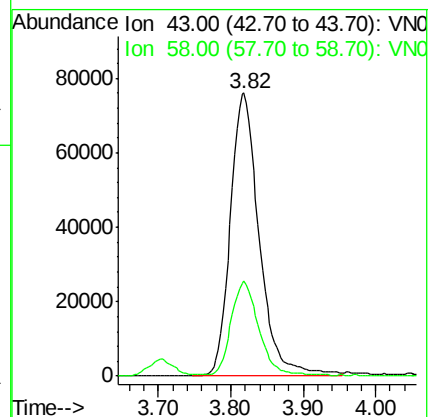
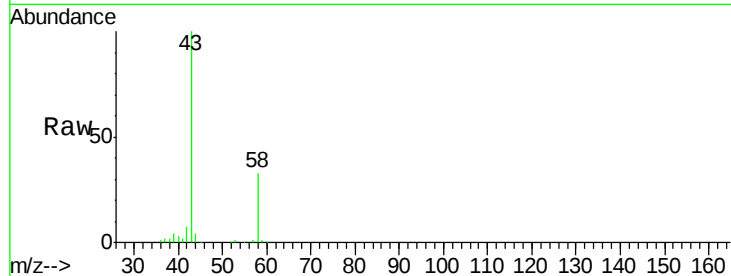
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#25

2-Butanone

Concen: 32.859 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052519.D

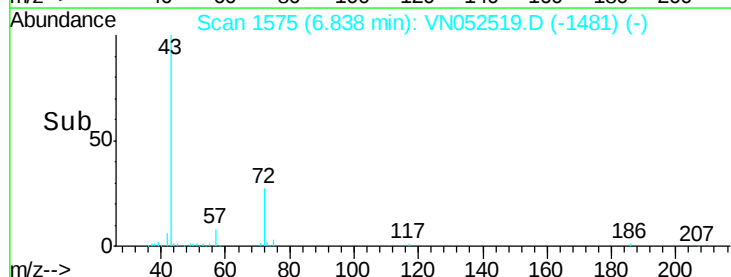
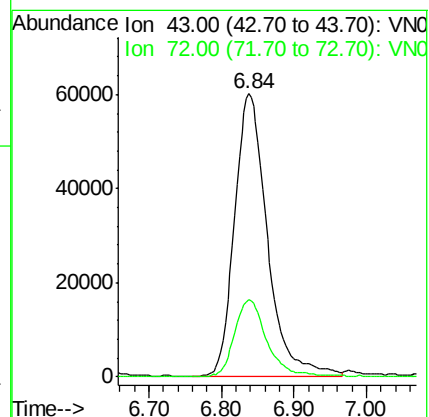
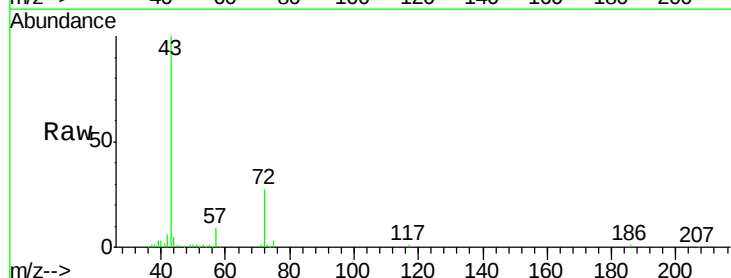
Acq: 28 Nov 2018 15:01

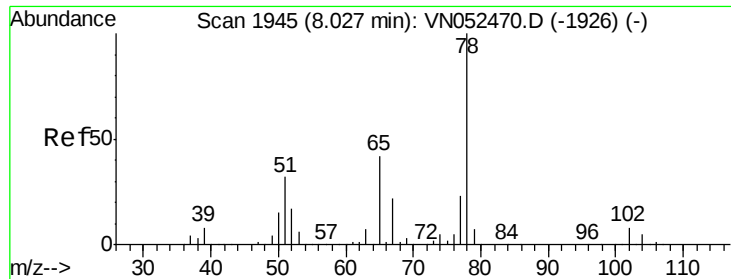
Tgt Ion: 43 Resp: 190674

Ion Ratio Lower Upper

43 100

72 27.2 20.1 30.1





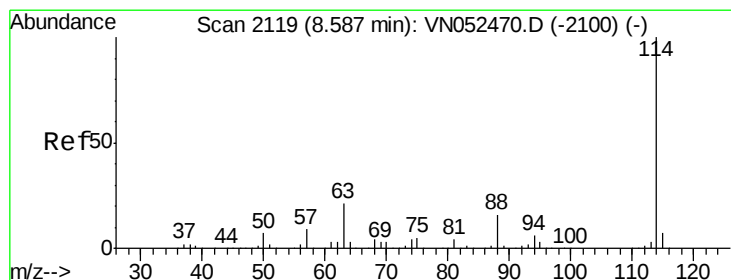
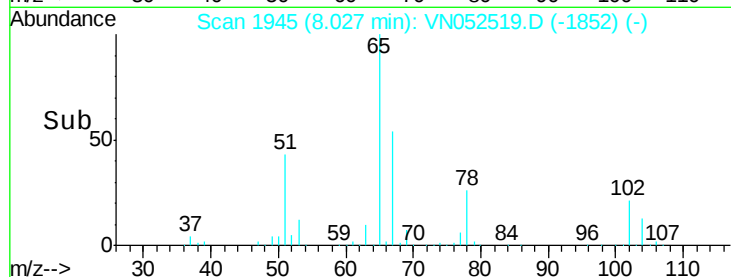
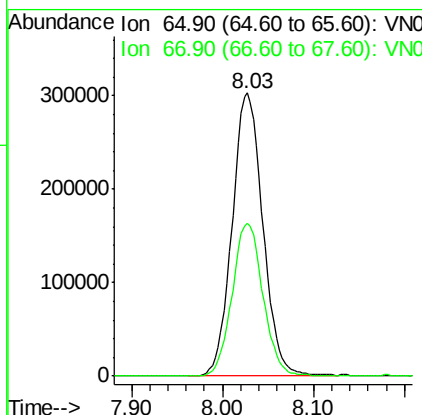
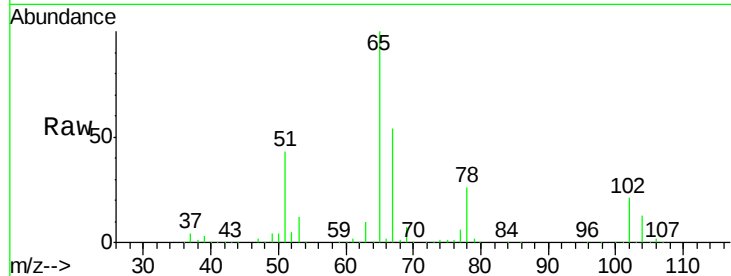
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Tot Ion: 65 Resp: 711381
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.8

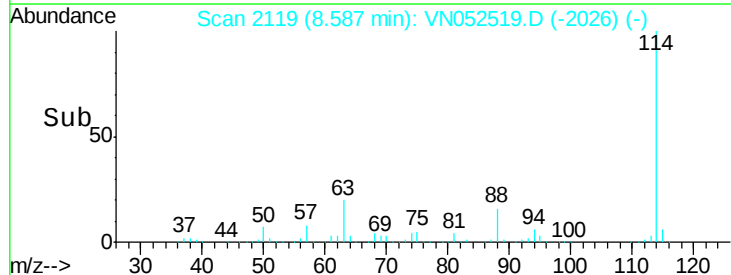
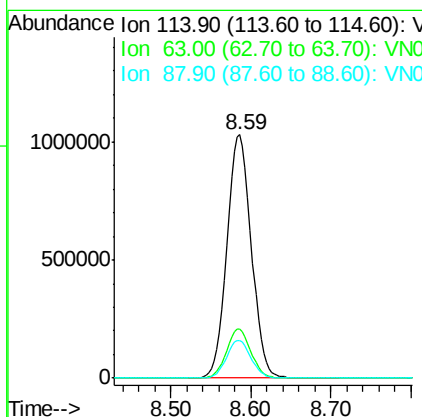
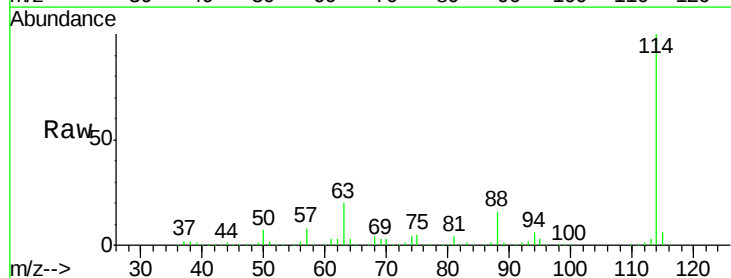
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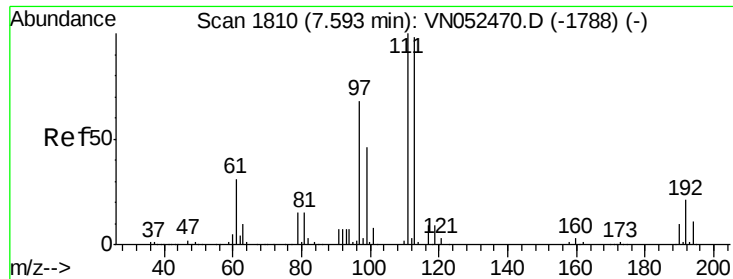
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

Tgt Ion: 114 Resp: 2151363
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6





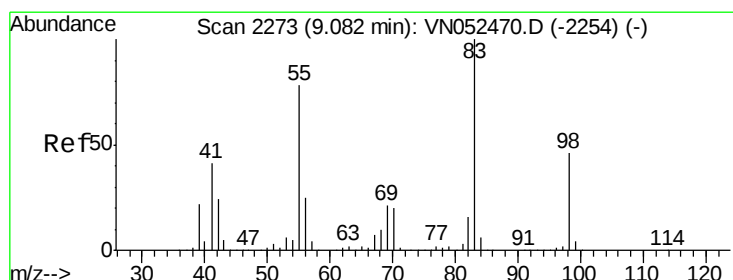
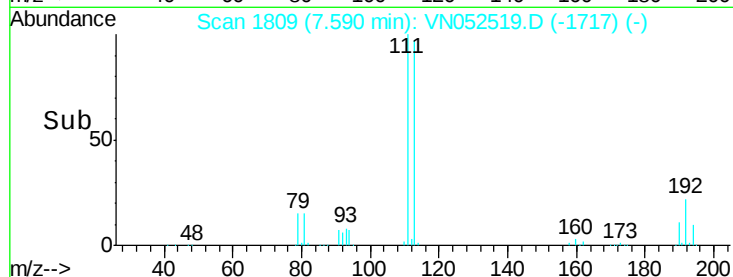
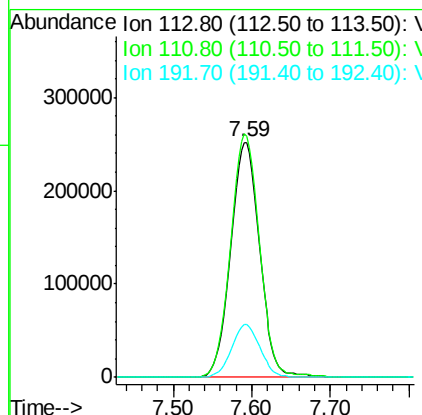
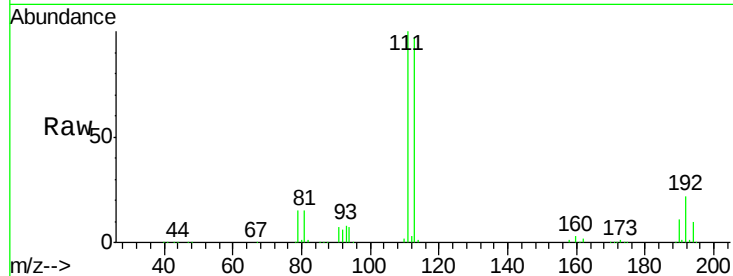
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	645159		
111	103.3	82.0	123.0	
192	22.1	17.0	25.6	

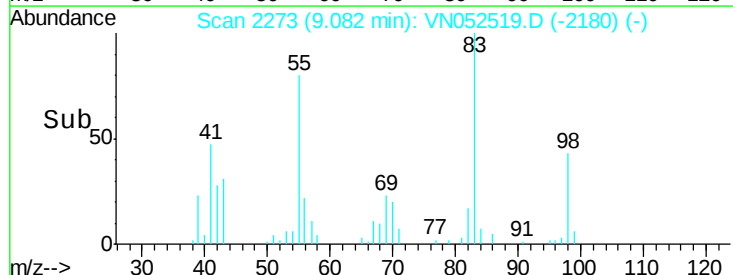
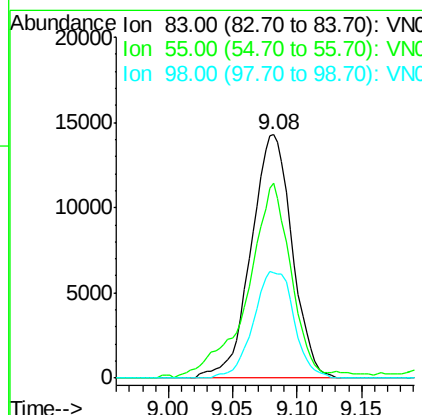
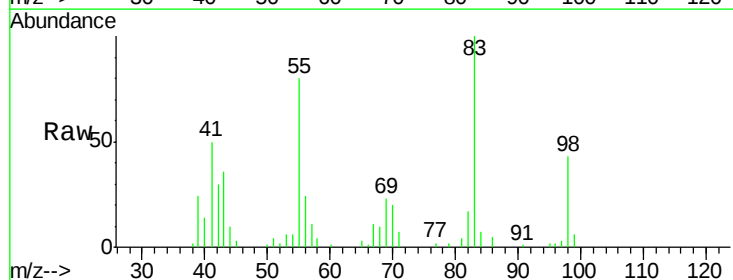
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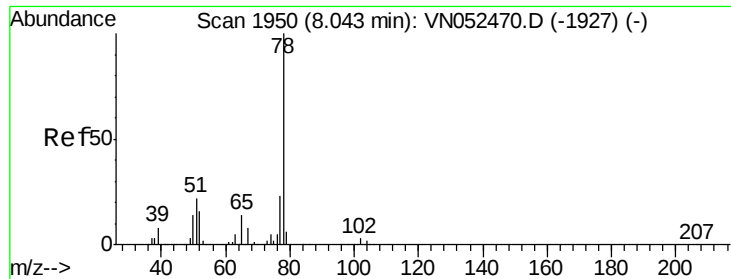
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#39
Methylcyclohexane
Concen: 1.285 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	31741		
55	77.5	62.2	93.2	
98	43.3	36.4	54.6	





#40

Benzene

Concen: 5.056 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion: 78 Resp: 306118

Ion Ratio Lower Upper

78 100

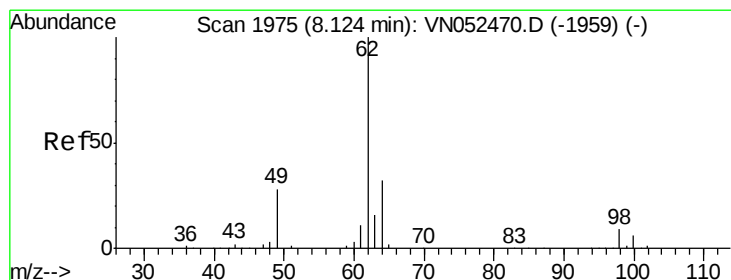
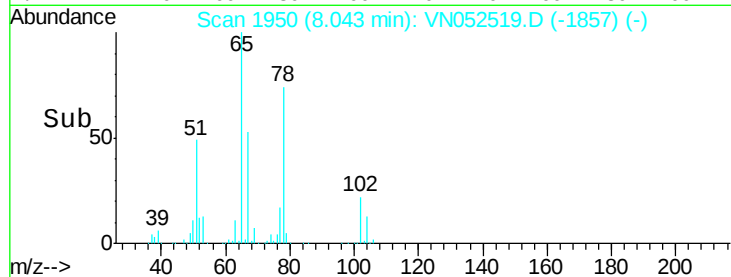
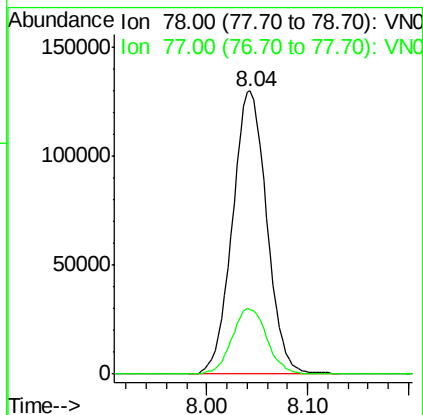
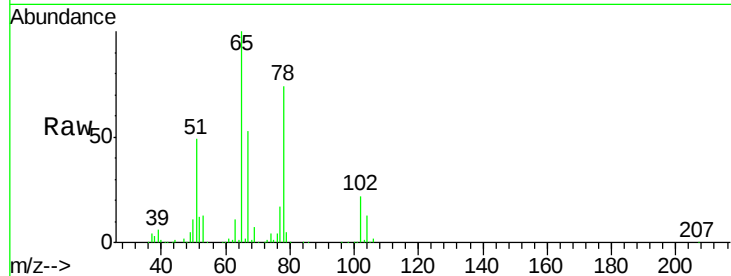
77 22.9 18.8 28.2

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 0.733 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052519.D

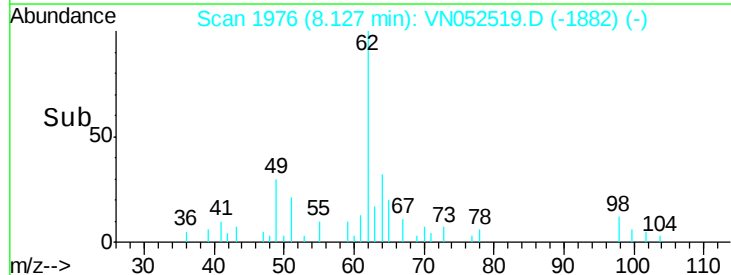
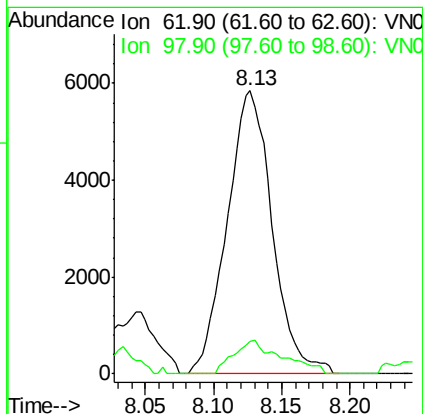
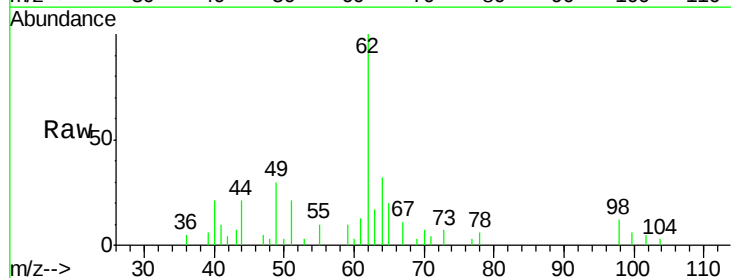
Acq: 28 Nov 2018 15:01

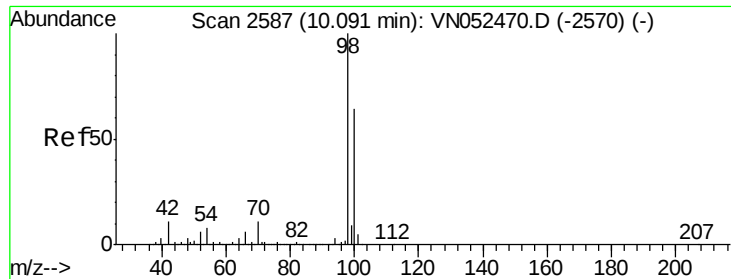
Tgt Ion: 62 Resp: 13432

Ion Ratio Lower Upper

62 100

98 12.8 0.0 18.6





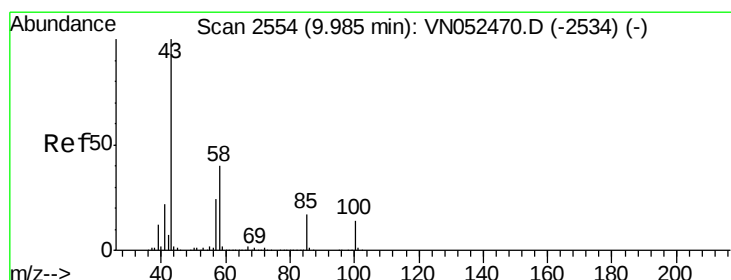
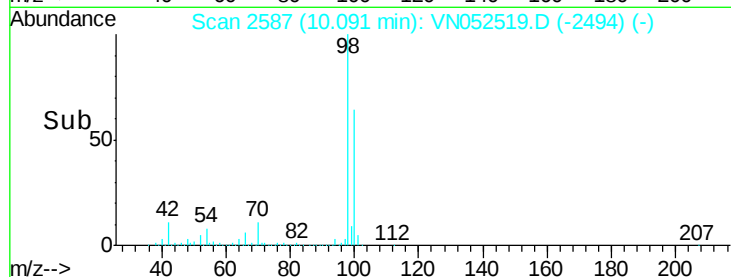
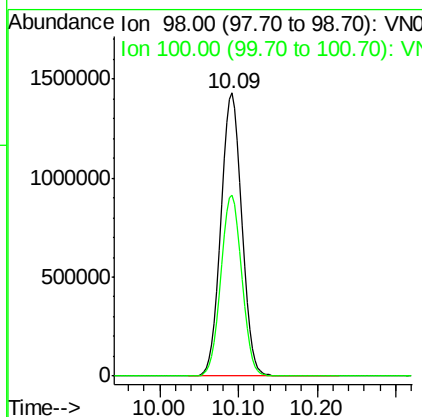
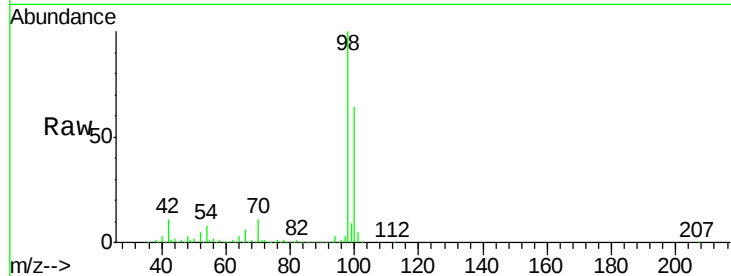
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion: 98 Resp: 2613680
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9

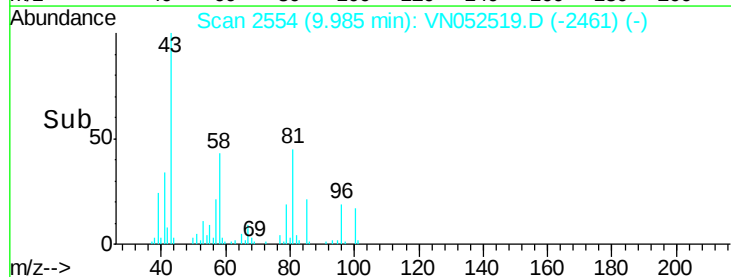
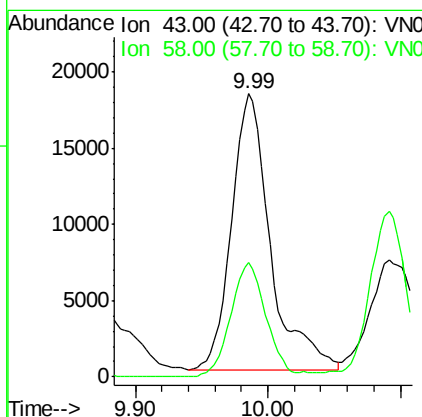
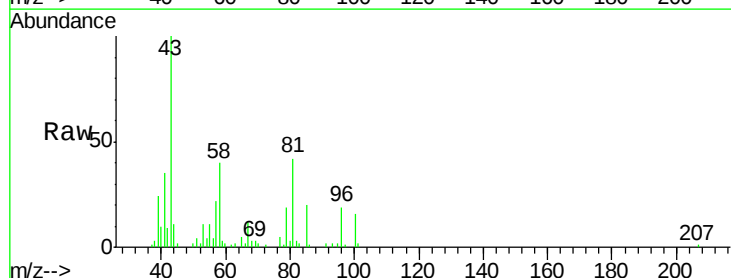
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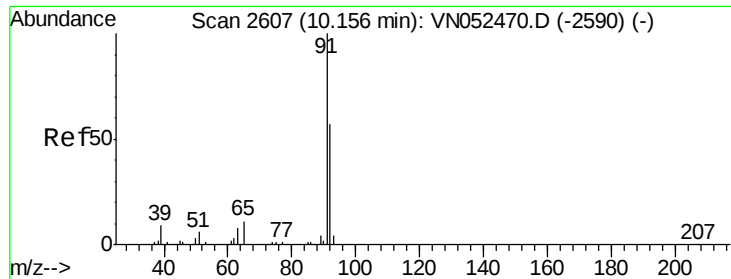
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#51
4-Methyl-2-Pentanone
Concen: 3.134 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 43 Resp: 36891
Ion Ratio Lower Upper
43 100
58 37.4 31.5 47.3





#52

Toluene

Concen: 28.979 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion: 92 Resp: 1042451

Ion Ratio Lower Upper

92 100

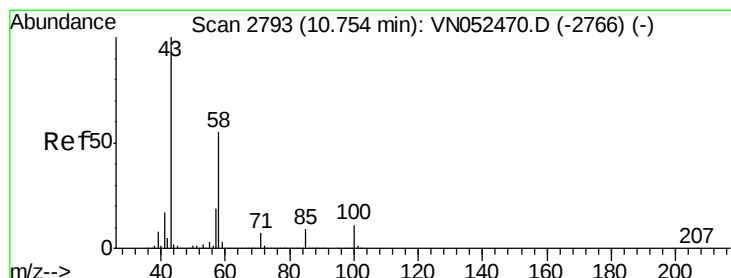
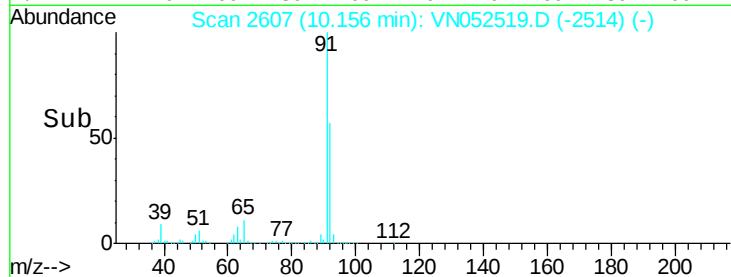
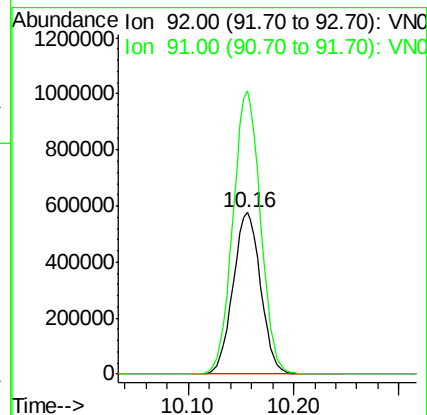
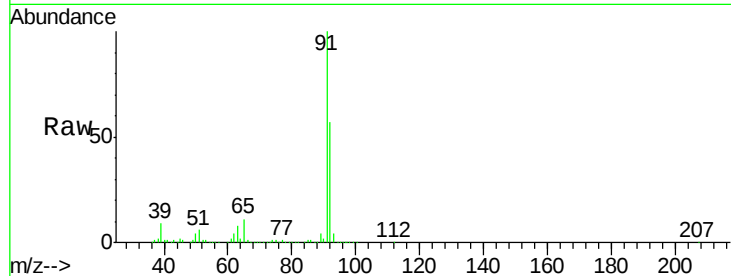
91 174.7 141.0 211.4

Manual Integrations

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#59

2-Hexanone

Concen: 9.132 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052519.D

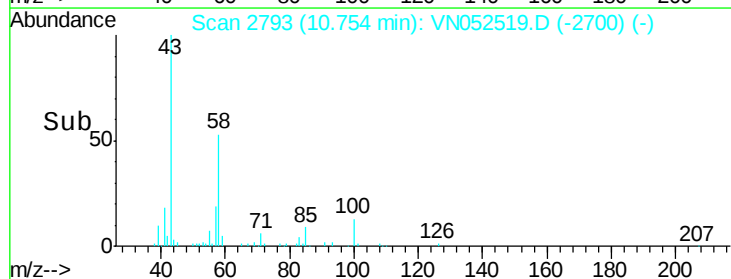
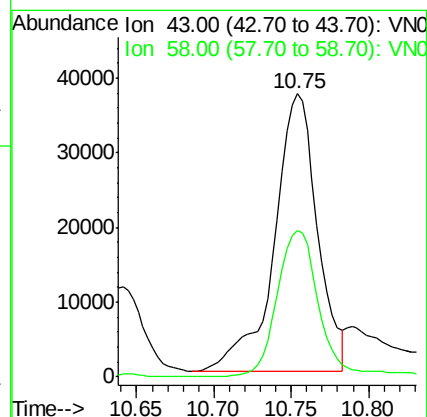
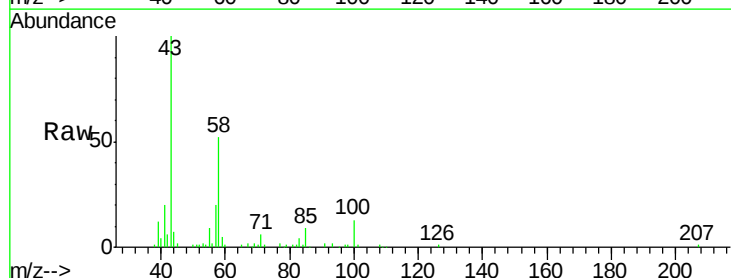
Acq: 28 Nov 2018 15:01

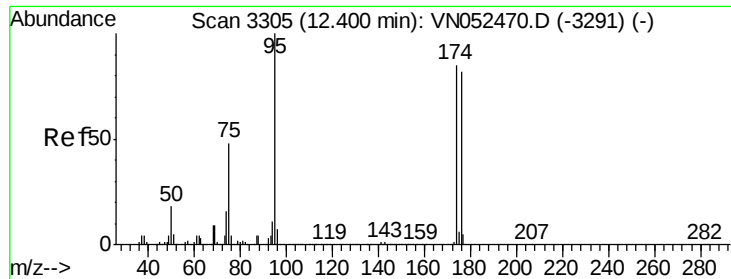
Tgt Ion: 43 Resp: 72153

Ion Ratio Lower Upper

43 100

58 52.0 27.4 82.0





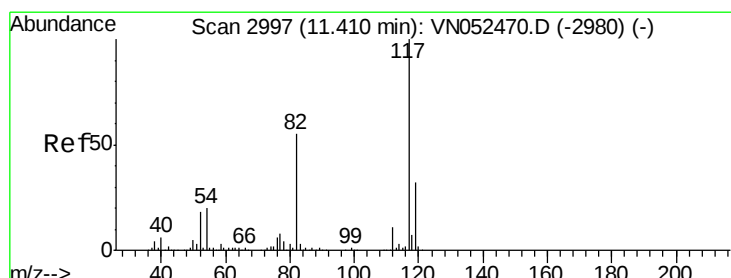
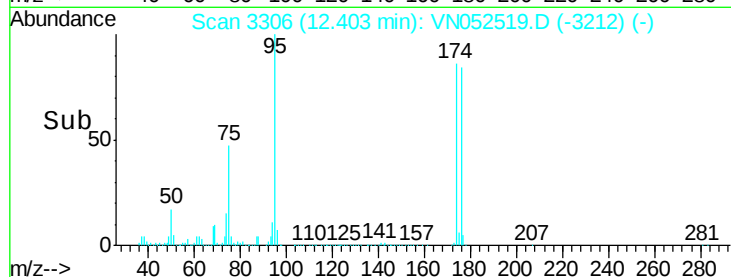
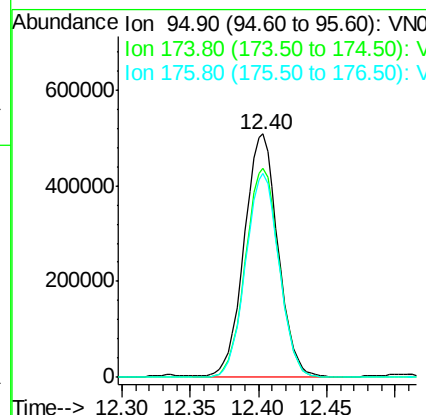
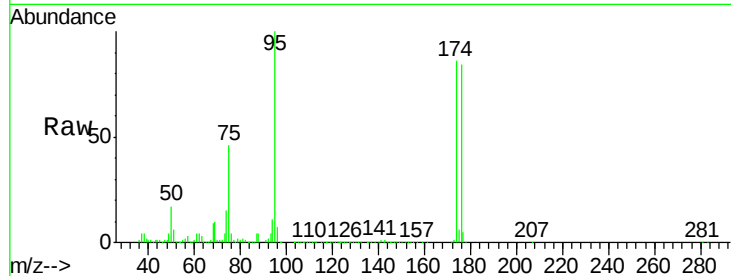
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	871451		
174	85.4	0.0	173.0	
176	82.8	0.0	166.2	

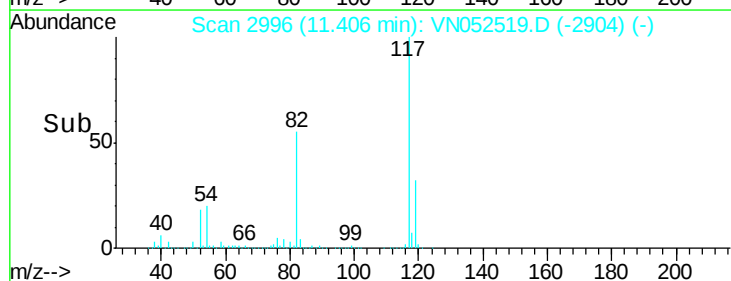
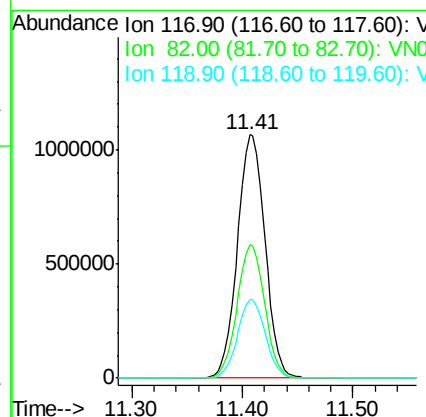
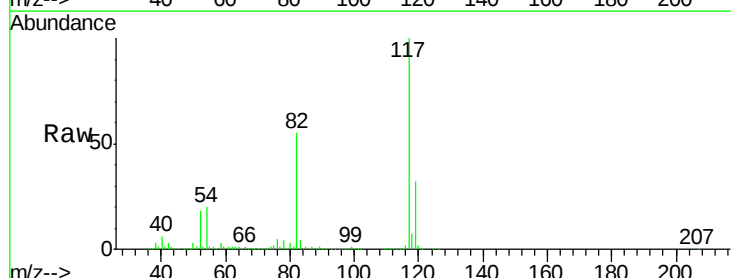
Manual Integrations
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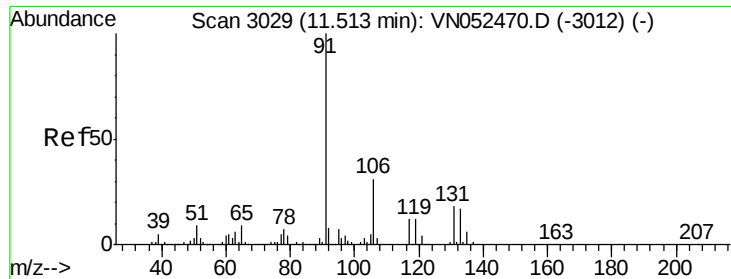
MMDadoda
11/29/2018 9:34:23 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1854331		
82	54.9	43.6	65.4	
119	32.3	25.4	38.2	





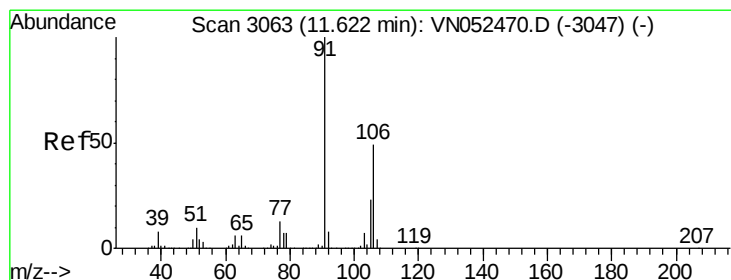
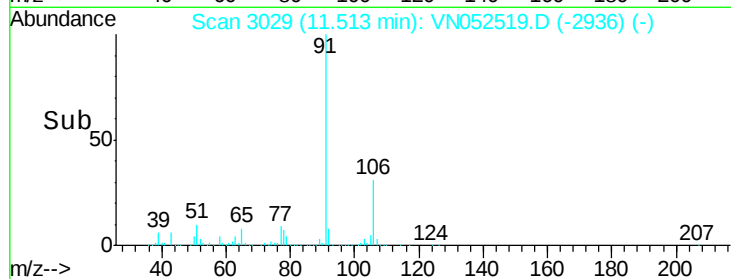
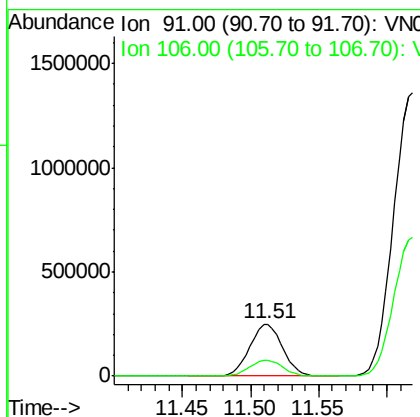
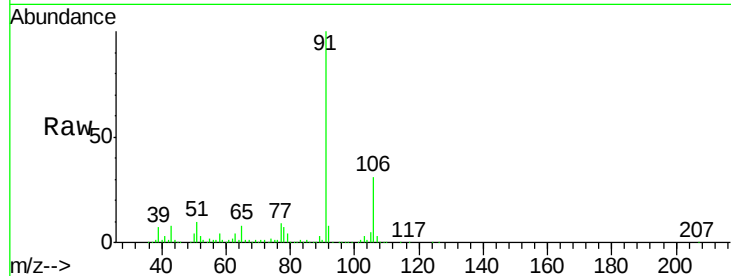
#67
Ethyl Benzene
Concen: 6.223 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion: 91 Resp: 416699
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

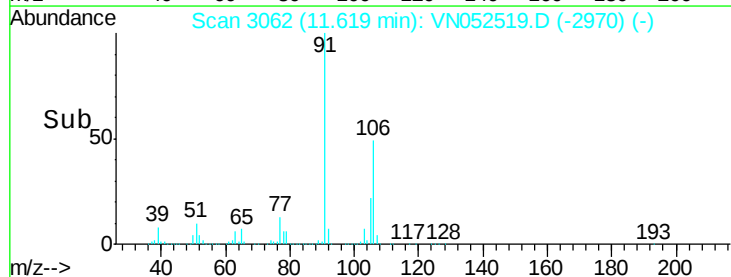
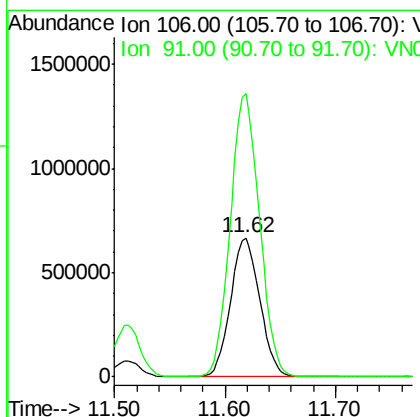
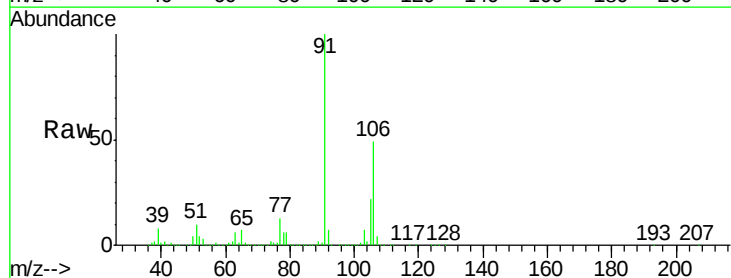
Manual Integrations
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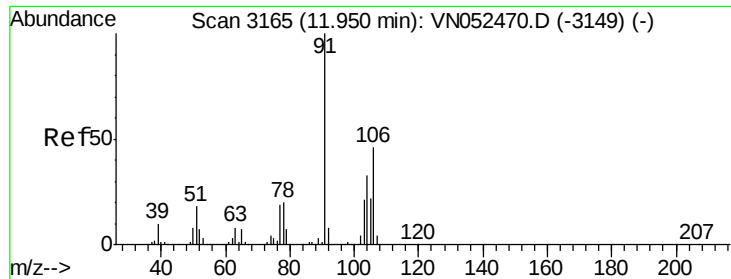
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#68
m/p-Xylenes
Concen: 49.198 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 106 Resp: 1226354
Ion Ratio Lower Upper
106 100
91 203.6 163.2 244.8





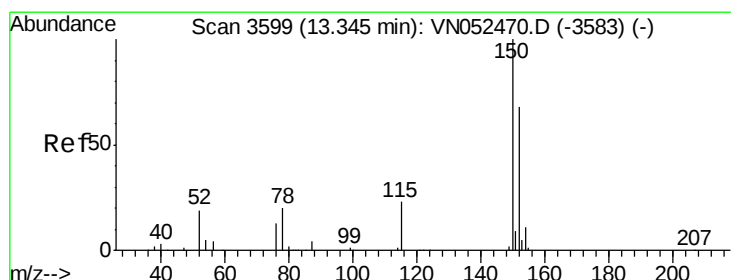
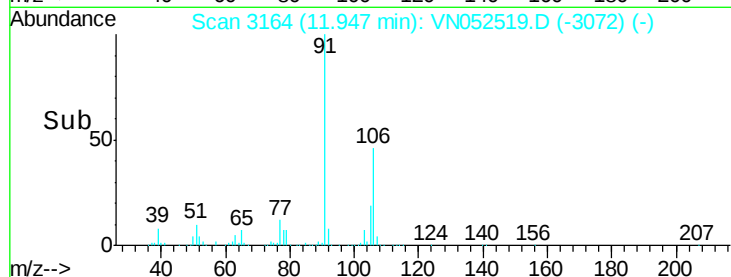
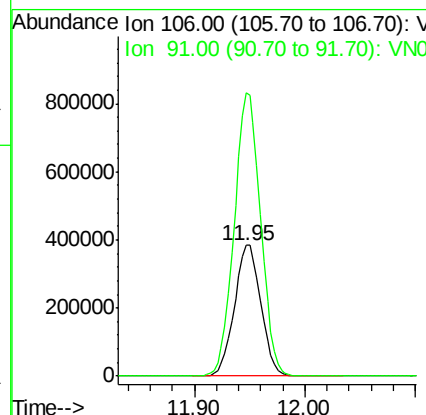
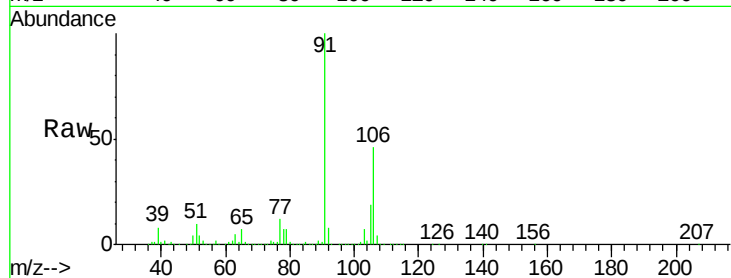
#69
o-Xylene
Concen: 26.376 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion:106 Resp: 638453
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1

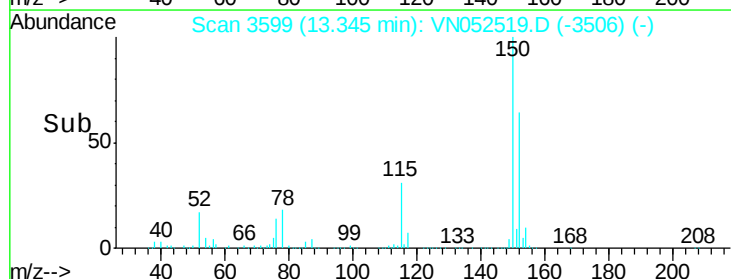
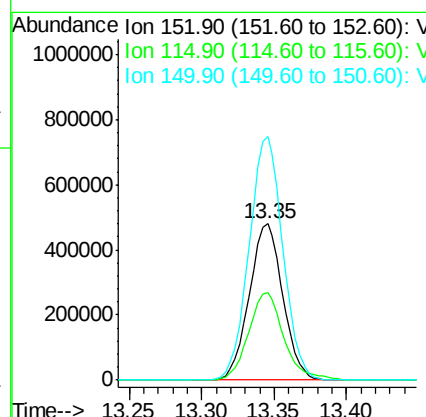
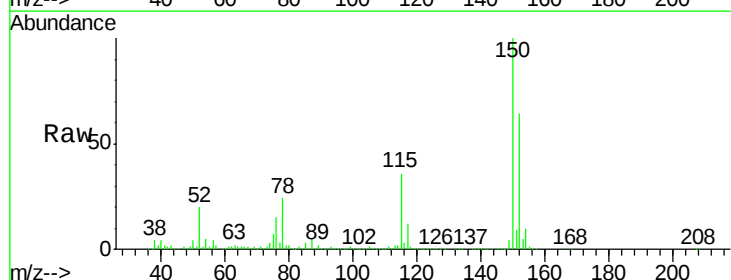
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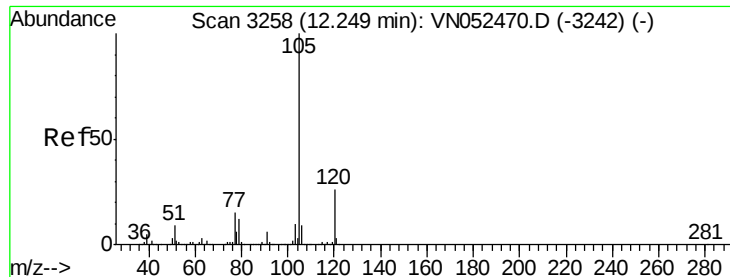
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion:152 Resp: 774457
Ion Ratio Lower Upper
152 100
115 58.8 28.4 85.2
150 156.1 0.0 346.0





#73

Isopropylbenzene

Concen: 0.637 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion: 105 Resp: 38691

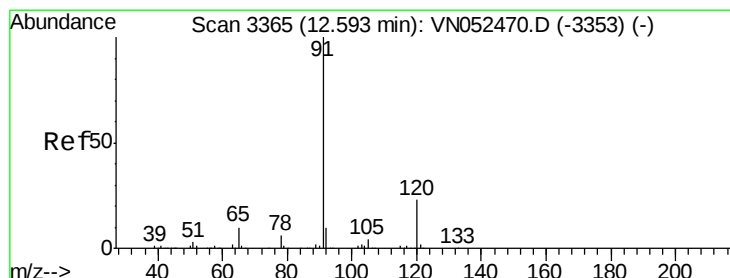
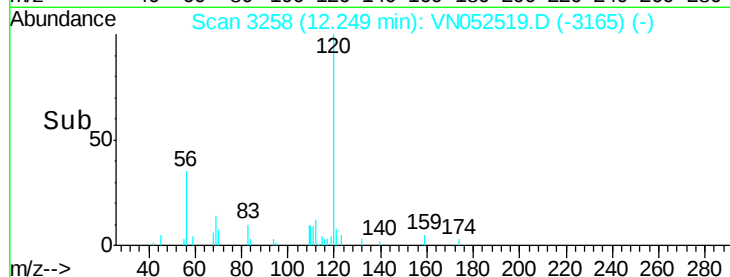
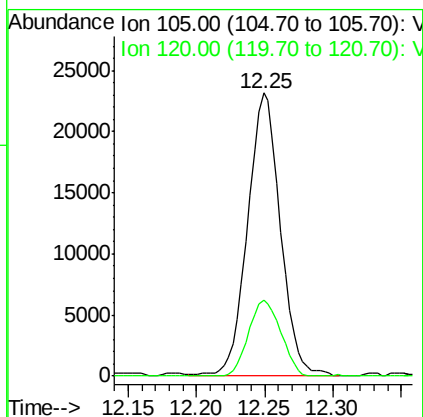
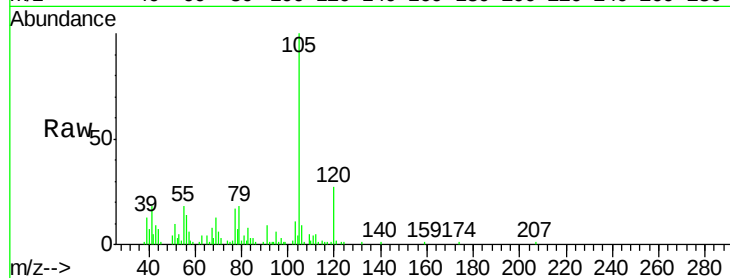
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

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#78

n-propylbenzene

Concen: 1.859 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052519.D

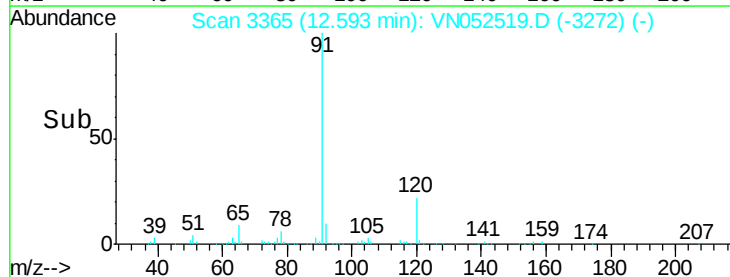
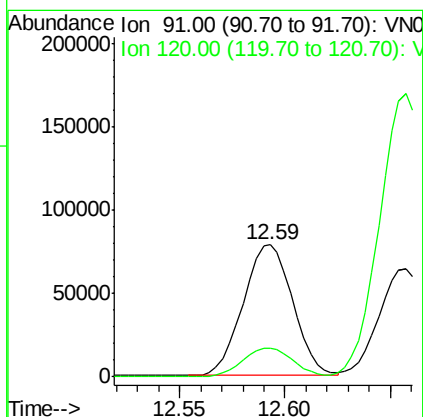
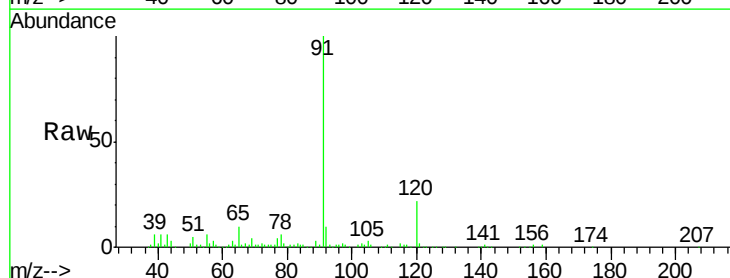
Acq: 28 Nov 2018 15:01

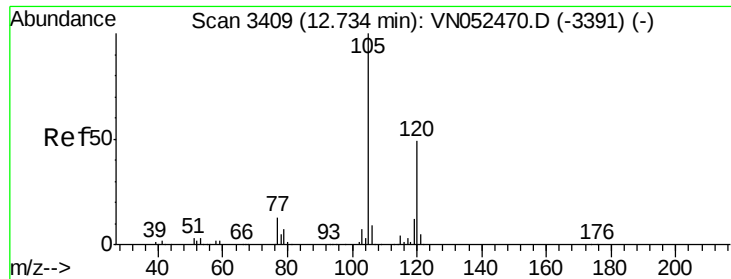
Tgt Ion: 91 Resp: 128344

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 9.378 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion:105 Resp: 454464

Ion Ratio Lower Upper

105 100

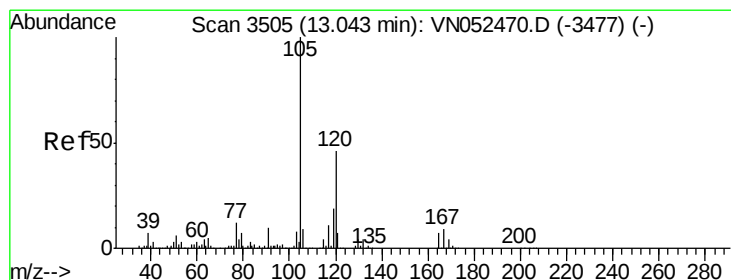
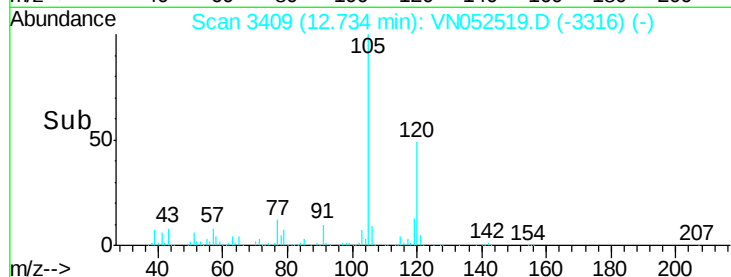
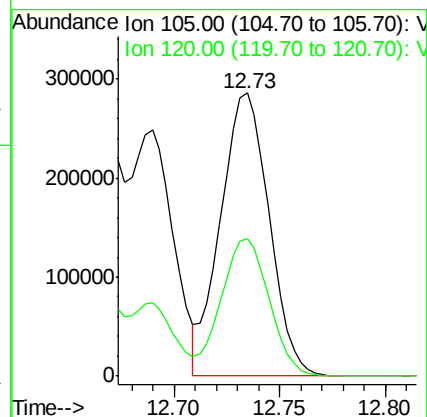
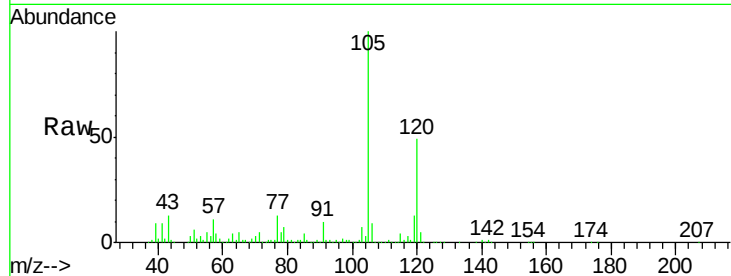
120 48.3 24.3 73.0

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#84

1,2,4-Trimethylbenzene

Concen: 36.444 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052519.D

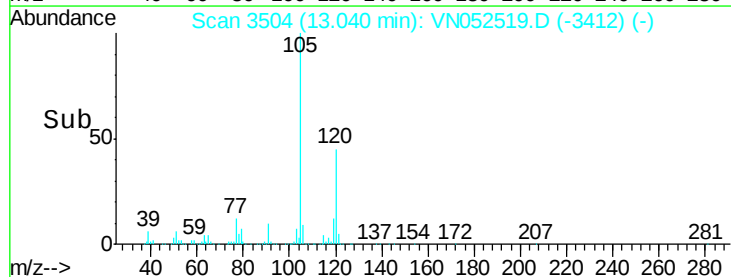
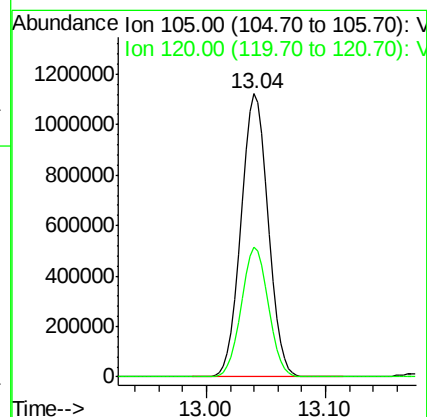
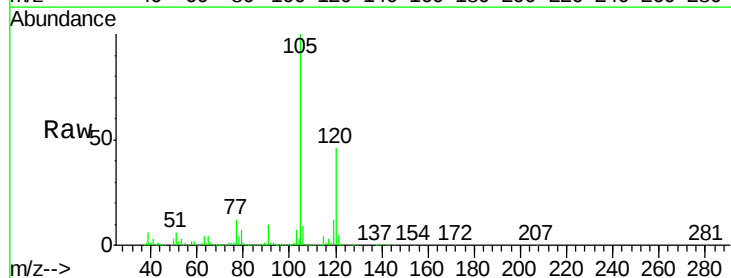
Acq: 28 Nov 2018 15:01

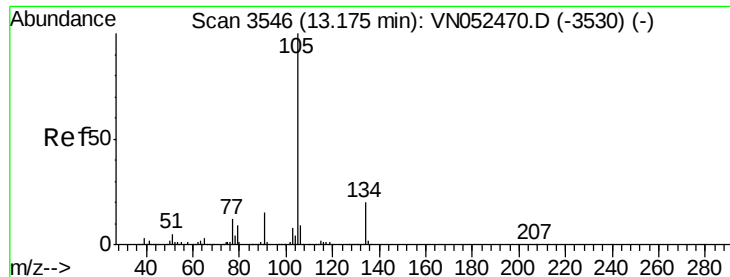
Tgt Ion:105 Resp: 1769892

Ion Ratio Lower Upper

105 100

120 45.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.331 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion:105 Resp: 19480

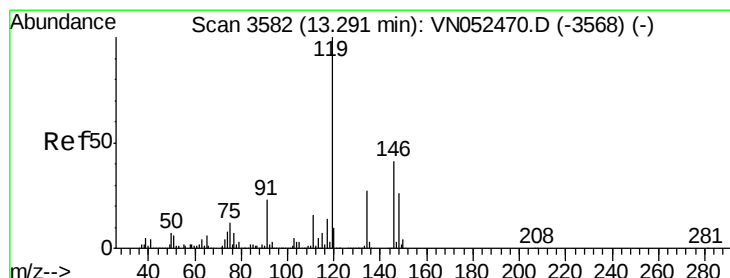
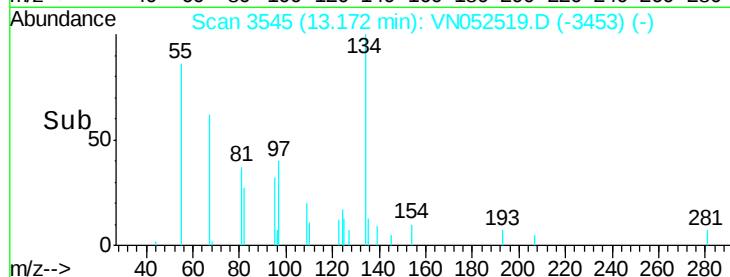
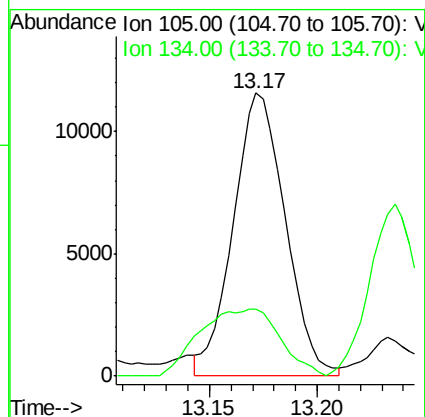
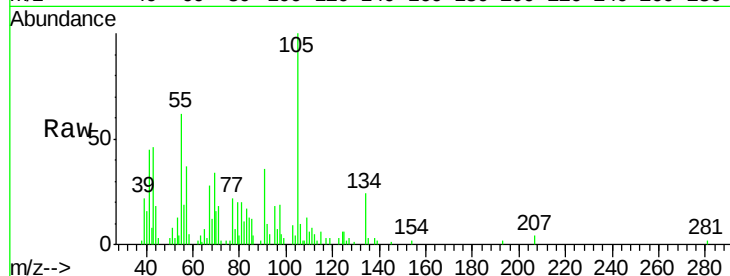
Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#

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#86

p-Isopropyltoluene

Concen: 0.302 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

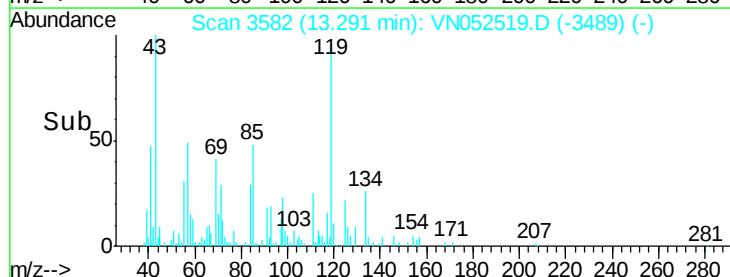
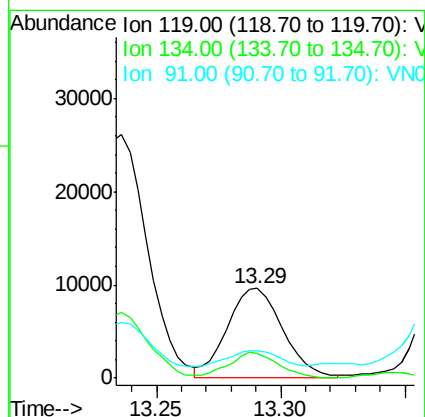
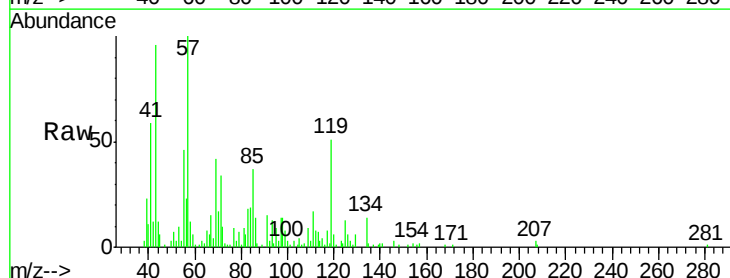
Tgt Ion:119 Resp: 15150

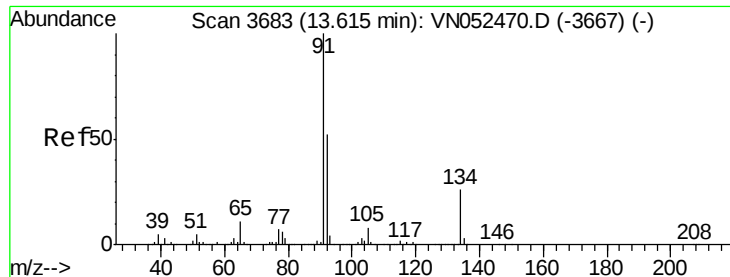
Ion Ratio Lower Upper

119 100

134 72.7 13.4 40.2#

91 62.3 11.4 34.2#





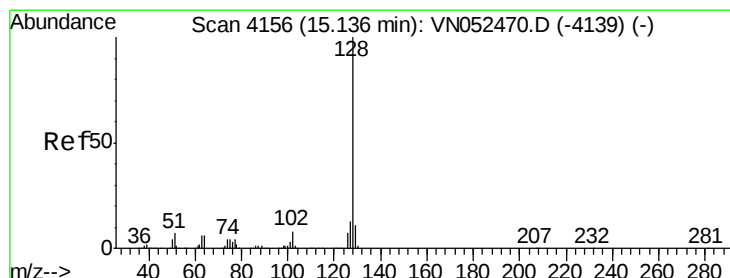
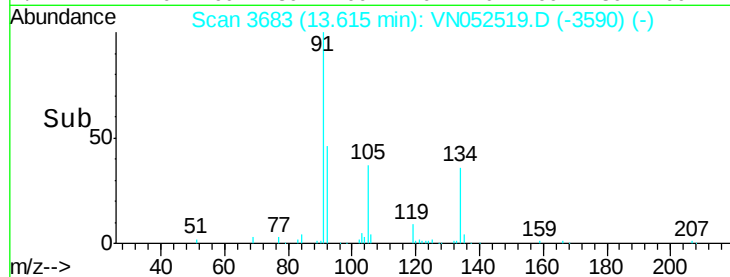
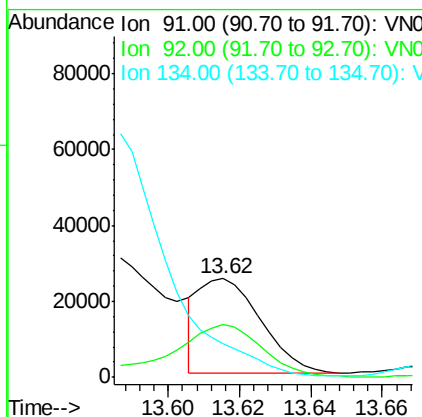
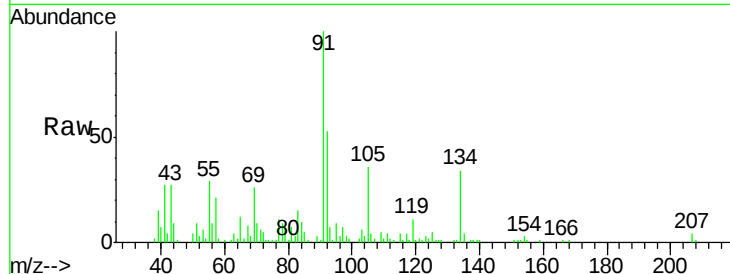
#89
n-Butylbenzene
Concen: 0.715 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	86.5	26.1	78.3#
134	0.0	13.0	38.9#

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#95
Naphthalene
Concen: 13.157 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.3	8.7	13.1

