

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059203.D
 Acq On : 19 Jun 2018 21:57
 Operator : VA/AP
 Sample : J3551-04RE
 Misc : 6.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOILRE

Manual Integrations
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apatel
 6/20/2018 11:16:11 AM

Quant Time: Jun 20 05:12:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	228653	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	344426	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	214288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	33098	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	171473	61.83	ug/l	-0.01
Spiked Amount 50.000			Recovery =	123.66%		
35) Dibromofluoromethane	4.28	113	147277	60.94	ug/l	-0.01
Spiked Amount 50.000			Recovery =	121.88%		
50) Toluene-d8	7.70	98	277420	39.07	ug/l	-0.01
Spiked Amount 50.000			Recovery =	78.14%		
62) 4-Bromofluorobenzene	11.50	95	76330	20.96	ug/l	-0.01
Spiked Amount 50.000			Recovery =	41.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.26	84	25183m	15.88	ug/l	
39) Methylcyclohexane	5.62	83	9880	2.90	ug/l	# 76
40) Benzene	4.80	78	193956	25.03	ug/l	98
52) Toluene	7.76	92	17037	3.05	ug/l	98
67) Ethyl Benzene	10.03	91	54584	7.40	ug/l	97
68) m/p-Xylenes	10.26	106	23377	8.47	ug/l	86
69) o-Xylene	10.82	106	18100	6.07	ug/l	96
70) Styrene	10.90	104	63758	14.12	ug/l	98
73) Isopropylbenzene	11.22	105	42004	18.33	ug/l	95
78) n-propylbenzene	11.68	91	21215	7.82	ug/l	93
83) tert-Butylbenzene	12.21	119	306147	162.57	ug/l	87
84) 1,2,4-Trimethylbenzene	12.28	105	5021	2.56	ug/l	100
85) sec-Butylbenzene	12.39	105	17834	6.97	ug/l	91

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

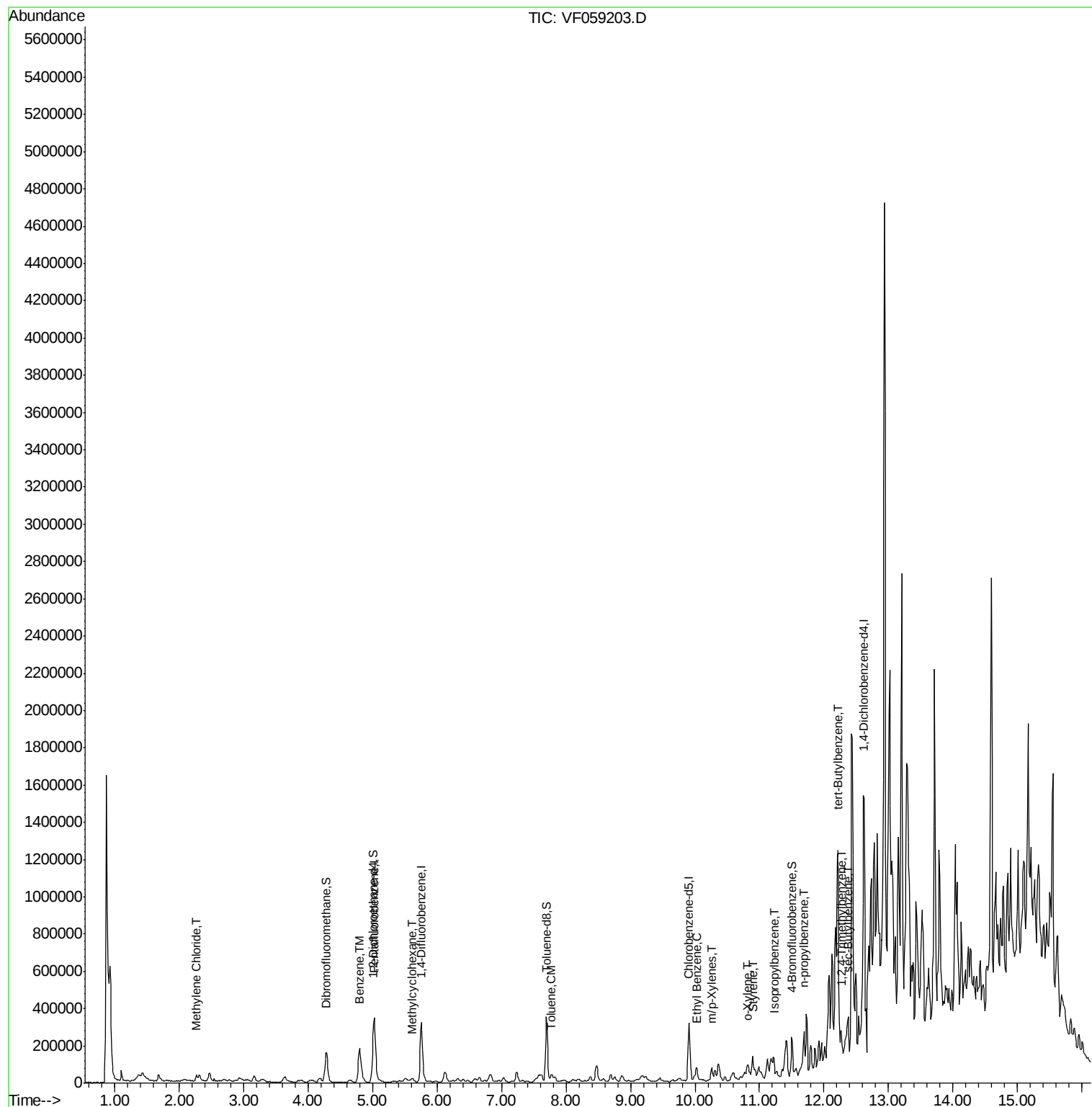
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059203.D
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Operator : VA/AP
Sample : J3551-04RE
Misc : 6.28g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

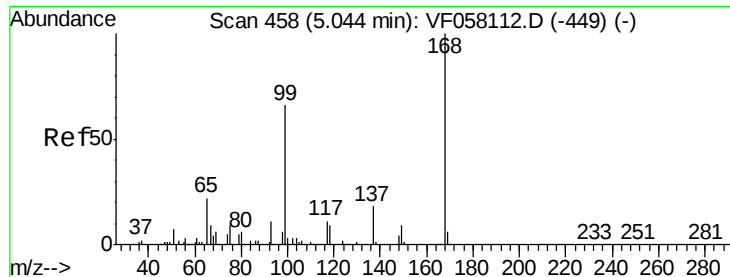
Instrument :
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Quant Time: Jun 20 05:12:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

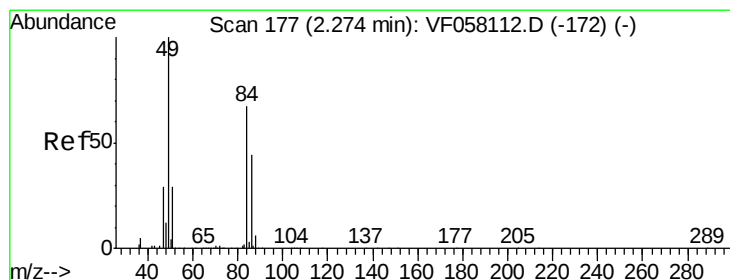
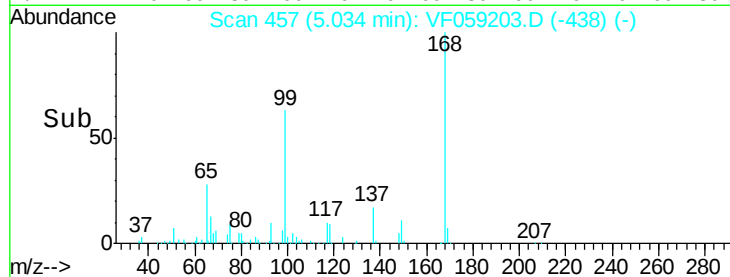
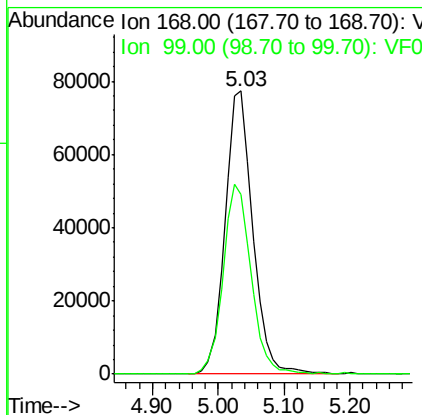
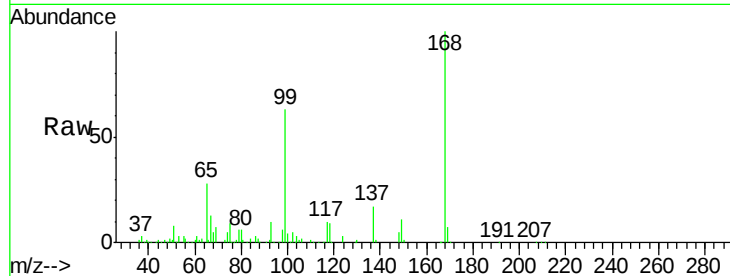
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF059203.D
 Acq: 19 Jun 2018 21:57

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOILRE

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.3	52.9	79.3

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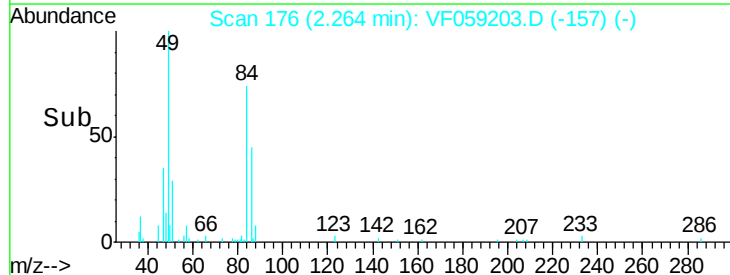
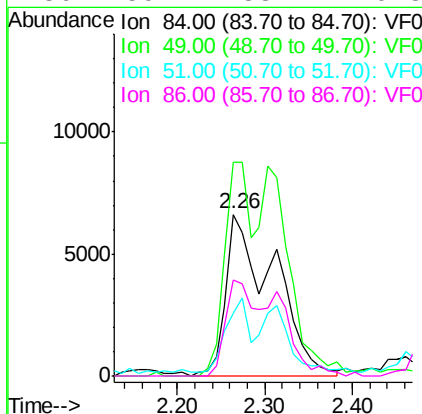
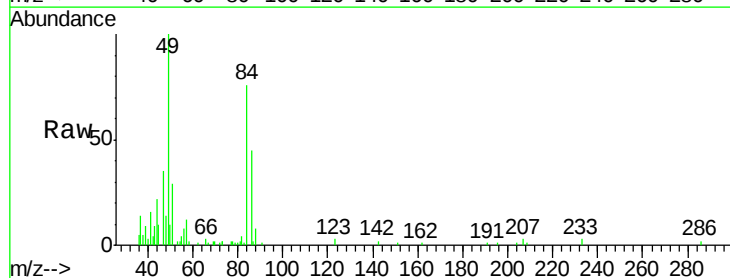
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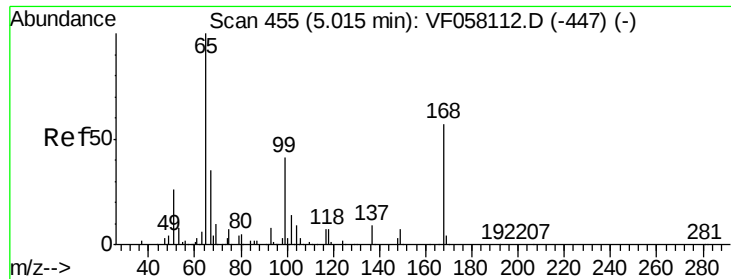


#20

Methylene Chloride
 Concen: 15.88 ug/l m
 RT: 2.26 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059203.D
 Acq: 19 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.0	121.0	181.4
51	38.6	35.8	53.6
86	59.2	53.2	79.8





#33

1,2-Dichloroethane-d4

Concen: 61.83 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Tot Ion: 65 Resp: 171473

Ion Ratio Lower Upper

65 100

67 45.0 0.0 97.0

Instrument :

MSVOA_F

ClientSampleId :

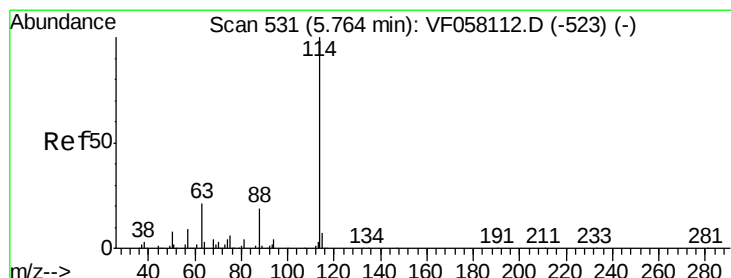
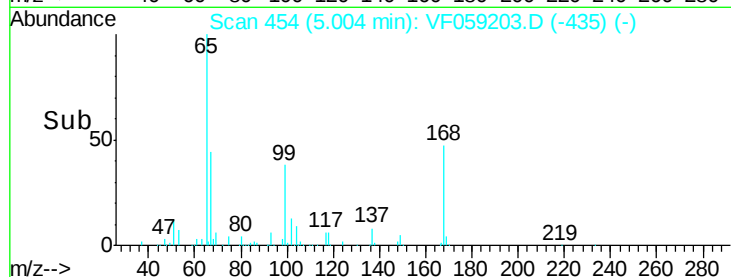
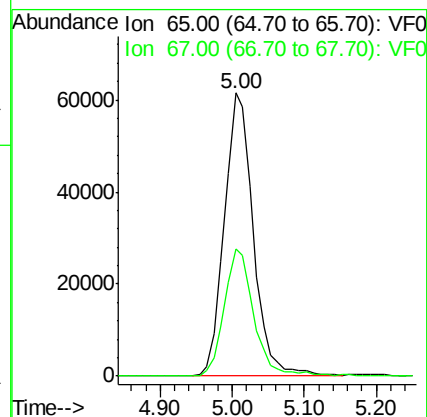
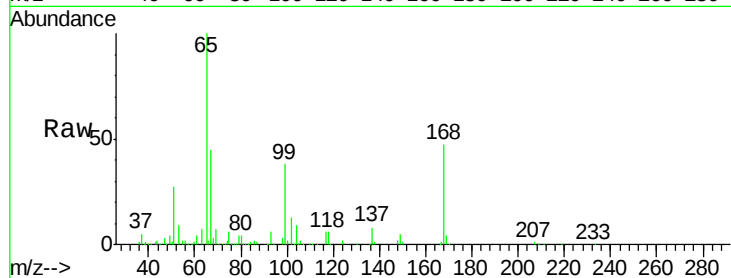
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

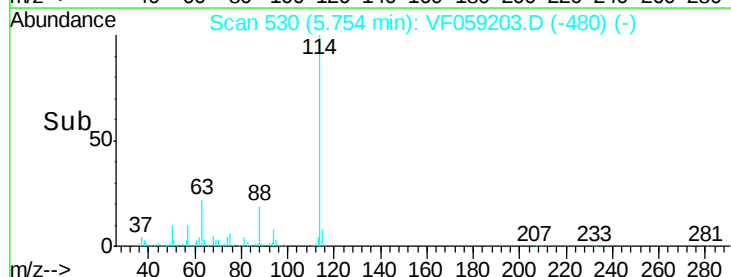
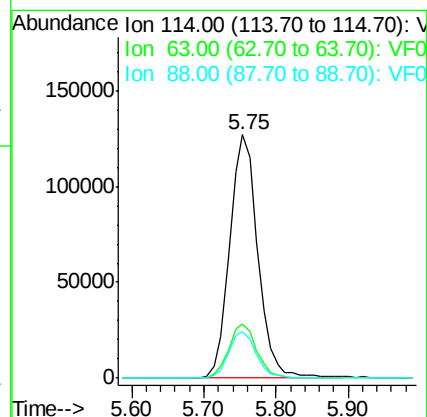
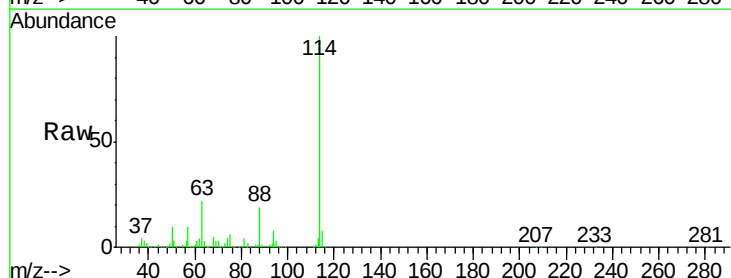
Tgt Ion: 114 Resp: 344426

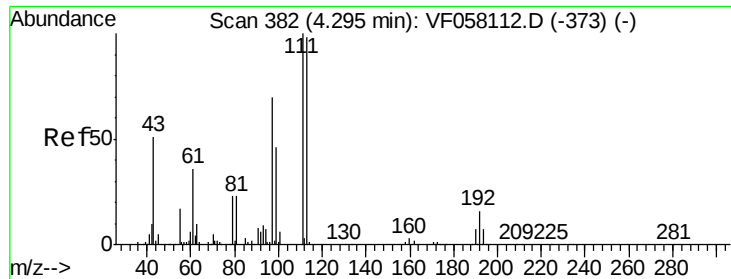
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 19.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 60.94 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Instrument :

MSVOA_F

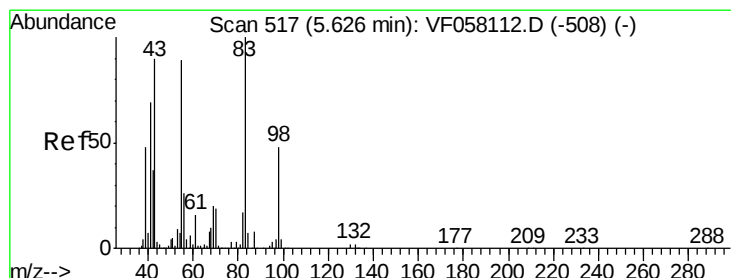
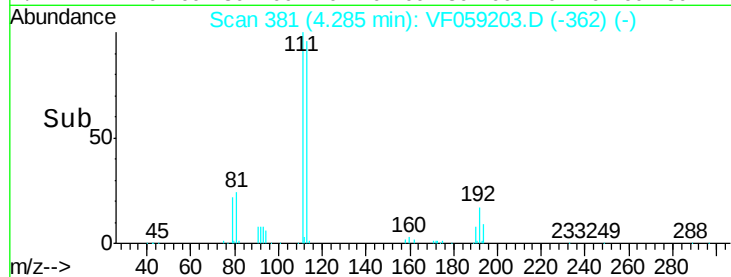
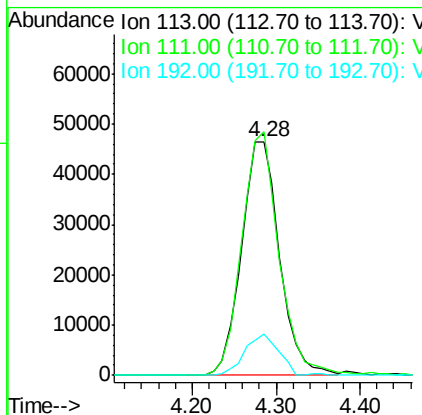
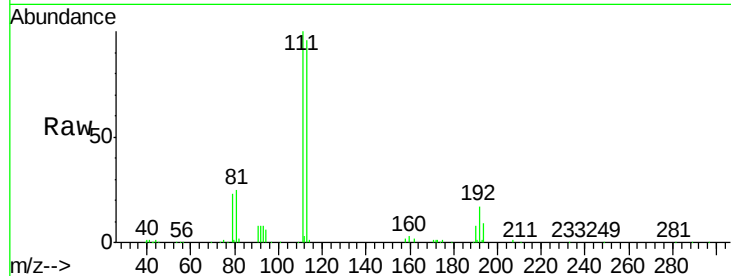
ClientSampleId :

OILY-SOILRE

Tot Ion:	113	Resp:	147277
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.3	121.9
192	17.8	12.7	19.1

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#39

Methylcyclohexane

Concen: 2.90 ug/l

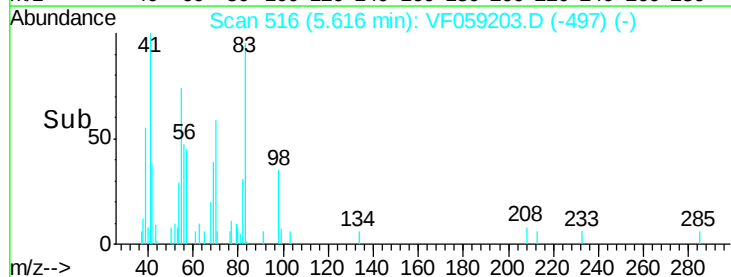
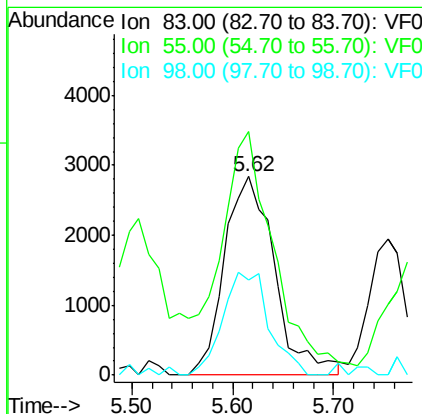
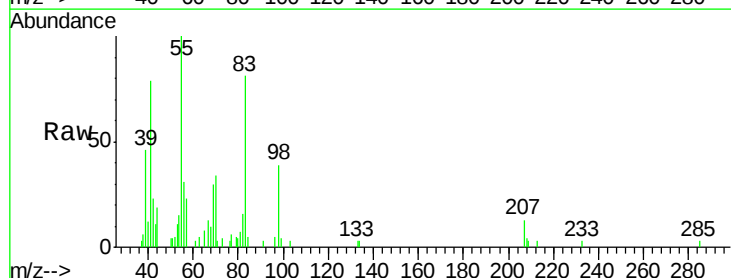
RT: 5.62 min Scan# 516

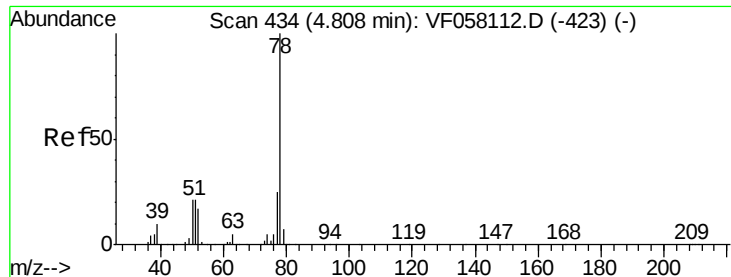
Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Tgt Ion:	83	Resp:	9880
Ion Ratio	Lower	Upper	
83	100		
55	122.8	71.0	106.4#
98	47.9	38.1	57.1





#40

Benzene

Concen: 25.03 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOILRE

Tot Ion: 78 Resp: 193956

Ion Ratio Lower Upper

78 100

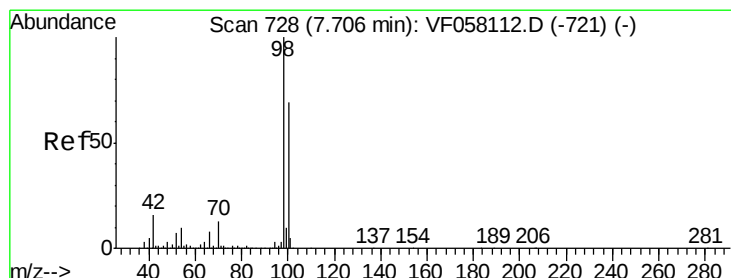
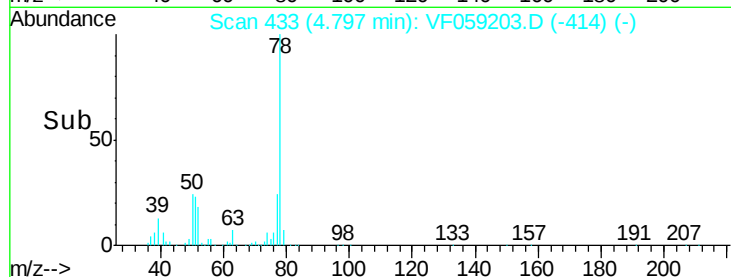
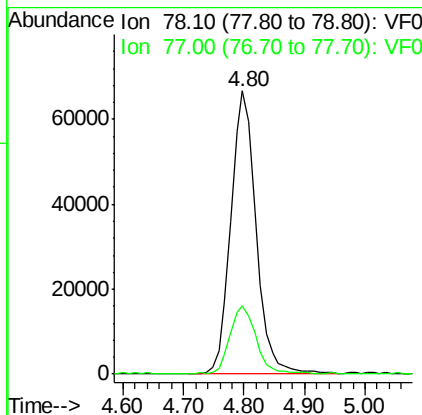
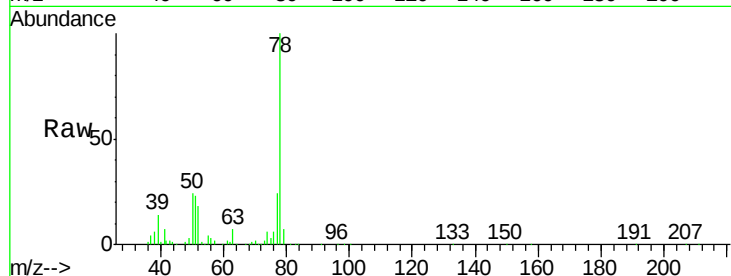
77 24.0 20.2 30.2

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#50

Toluene-d8

Concen: 39.07 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059203.D

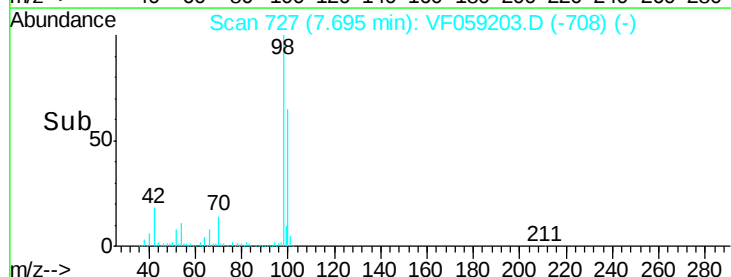
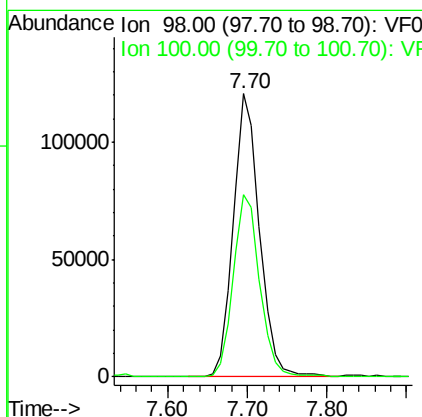
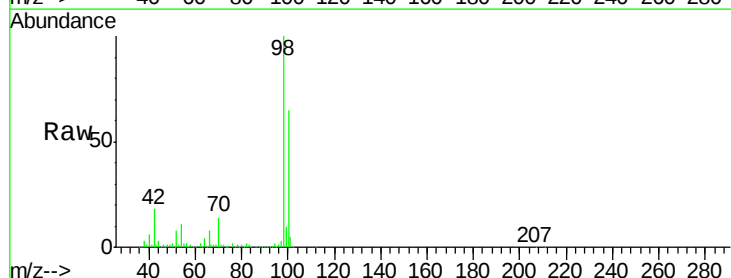
Acq: 19 Jun 2018 21:57

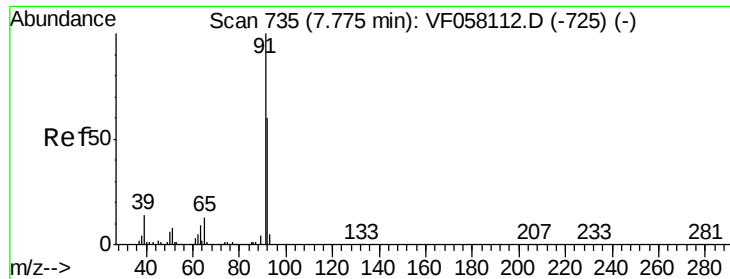
Tgt Ion: 98 Resp: 277420

Ion Ratio Lower Upper

98 100

100 64.6 55.6 83.4





#52

Toluene

Concen: 3.05 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOILRE

Tot Ion: 92 Resp: 17037

Ion Ratio Lower Upper

92 100

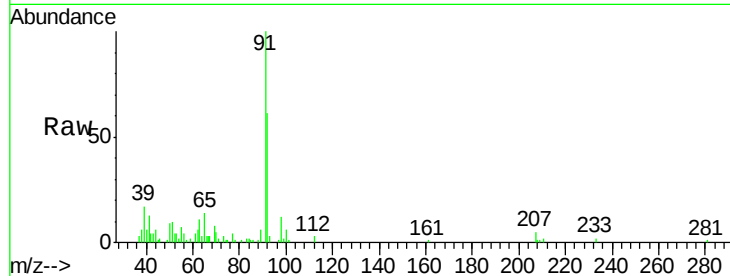
91 163.0 132.9 199.3

Manual Integrations

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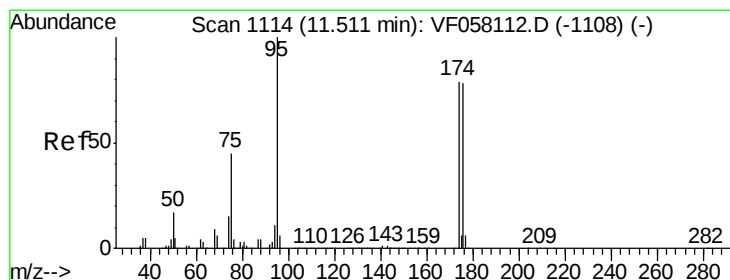
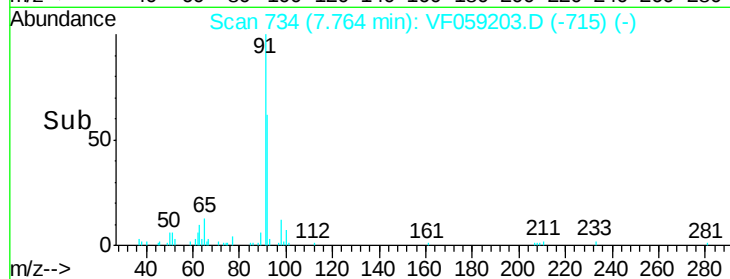
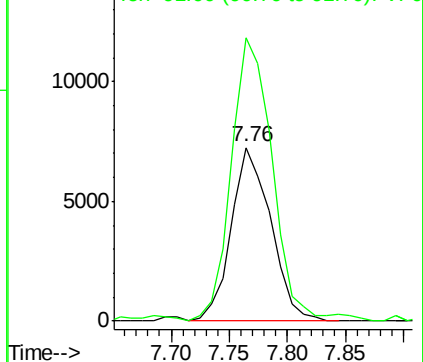
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 20.96 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

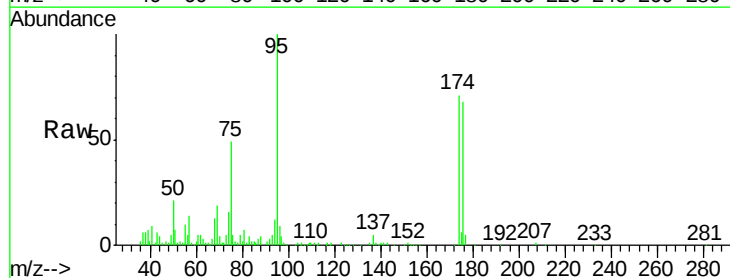
Tgt Ion: 95 Resp: 76330

Ion Ratio Lower Upper

95 100

174 71.3 0.0 157.8

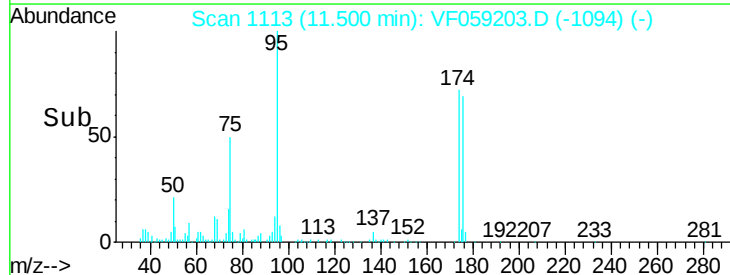
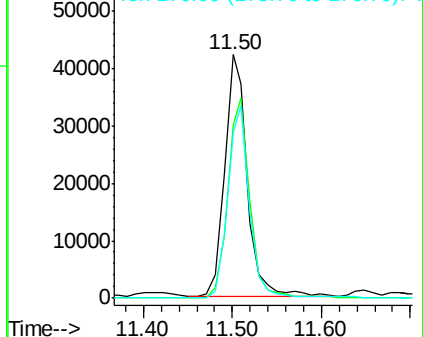
176 68.0 0.0 155.8

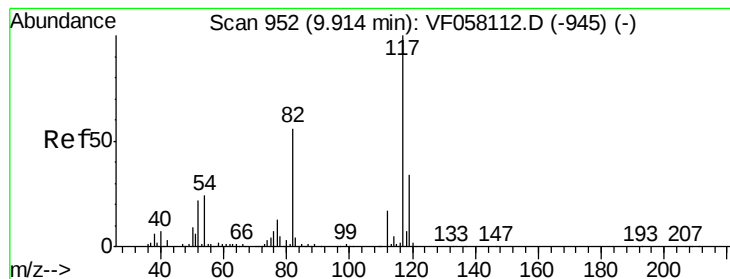


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Instrument :

MSVOA_F

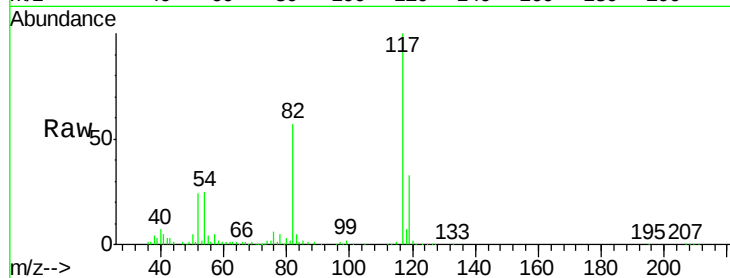
ClientSampleId :

OILY-SOILRE

Tot Ion:	117	Resp:	214288
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.2	67.8
119	32.5	27.5	41.3

Manual Integrations
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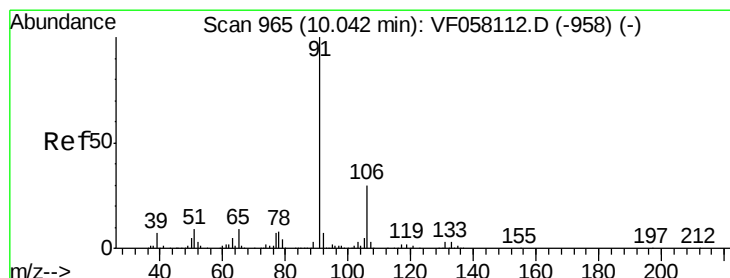
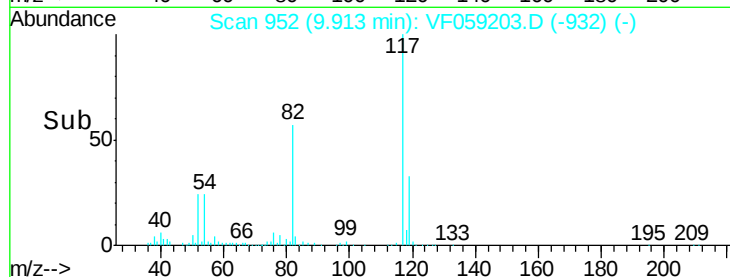
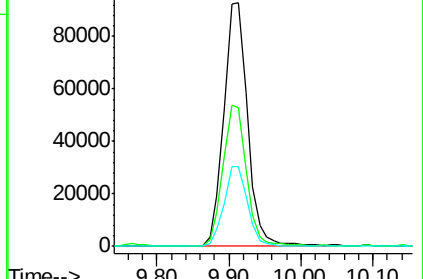
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 7.40 ug/l

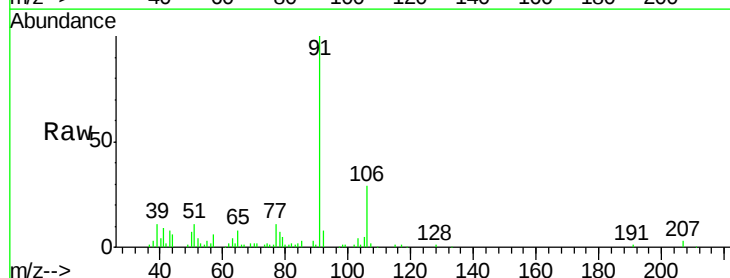
RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059203.D

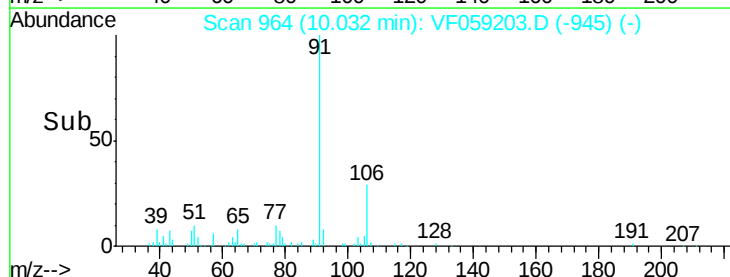
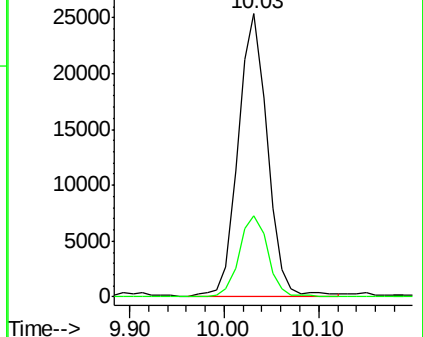
Acq: 19 Jun 2018 21:57

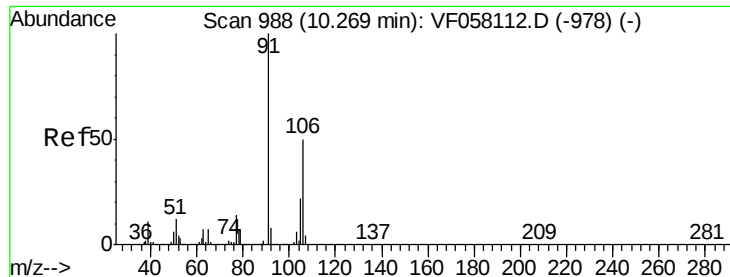
Tgt Ion:	91	Resp:	54584
Ion Ratio	Lower	Upper	
91	100		
106	28.5	24.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





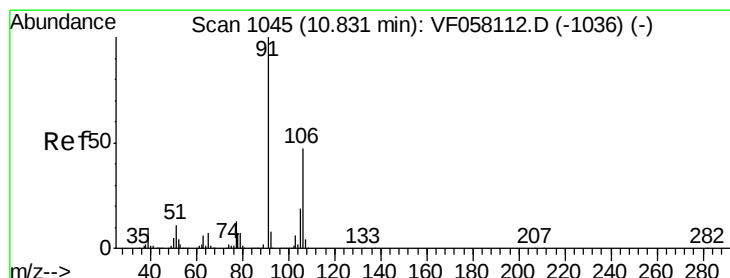
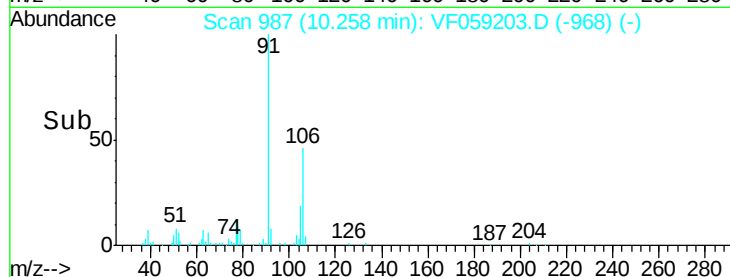
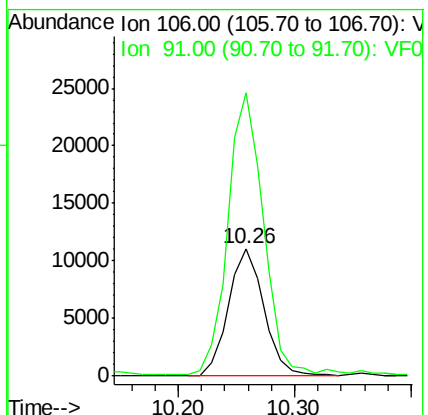
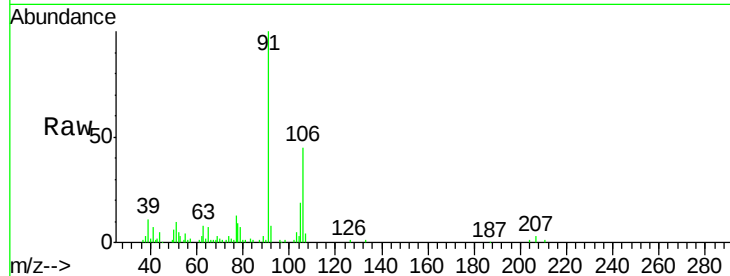
#68
m/p-Xylenes
Concen: 8.47 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059203.D
Acq: 19 Jun 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOILRE

Tot Ion:106 Resp: 23377
Ion Ratio Lower Upper
106 100
91 222.1 160.7 241.1

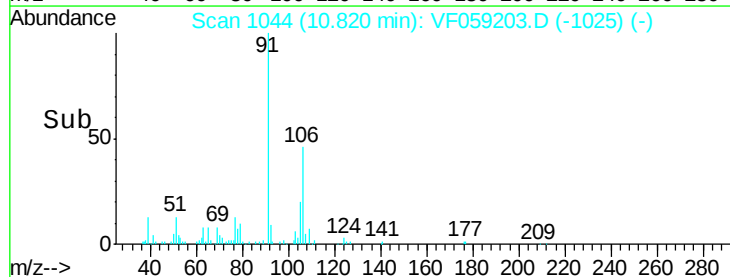
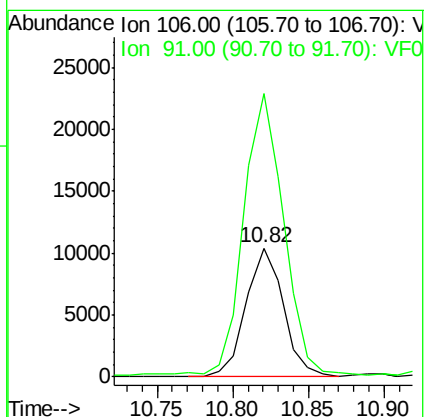
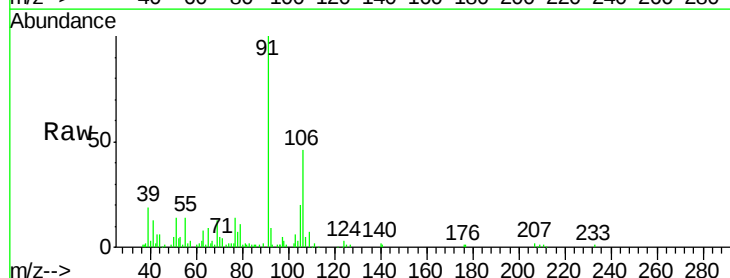
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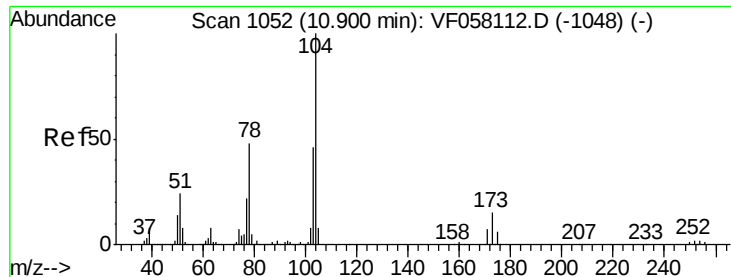
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#69
o-Xylene
Concen: 6.07 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059203.D
Acq: 19 Jun 2018 21:57

Tgt Ion:106 Resp: 18100
Ion Ratio Lower Upper
106 100
91 219.6 107.0 321.0





#70

Stvrene

Concen: 14.12 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VF059203.D

Acq: 19 Jun 2018 21:57

Instrument :

MSVOA_F

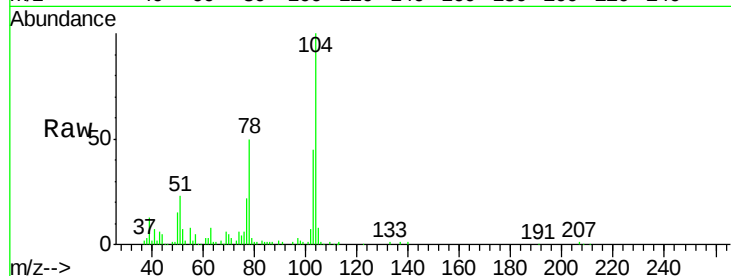
ClientSampleId :

OILY-SOILRE

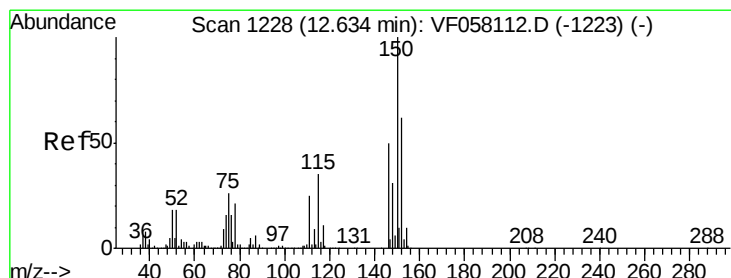
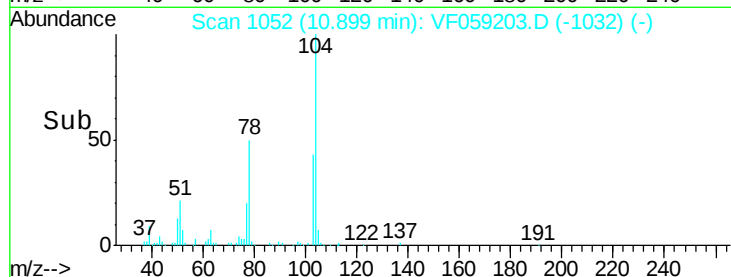
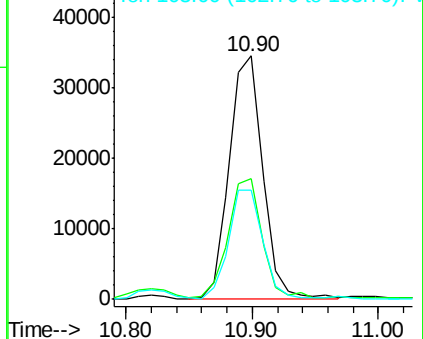
Tot Ion:	104	Resp:	63758
Ion Ratio	Lower	Upper	
104	100		
78	49.5	38.4	57.6
103	44.7	37.0	55.6

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

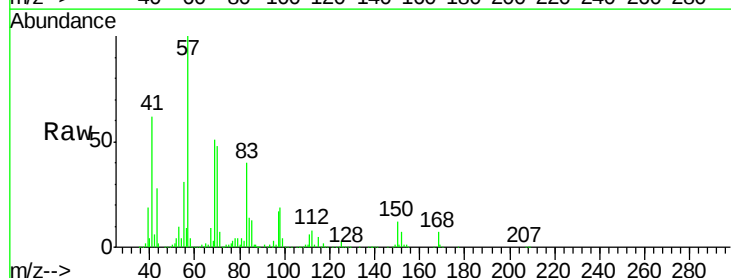
RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

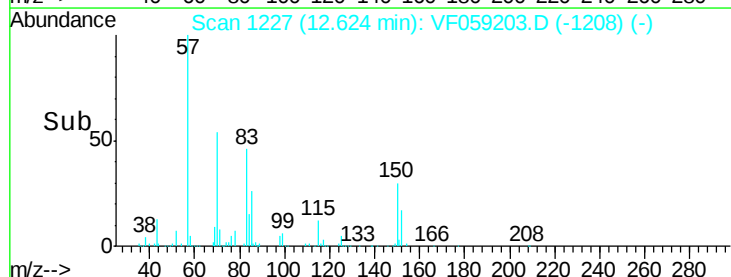
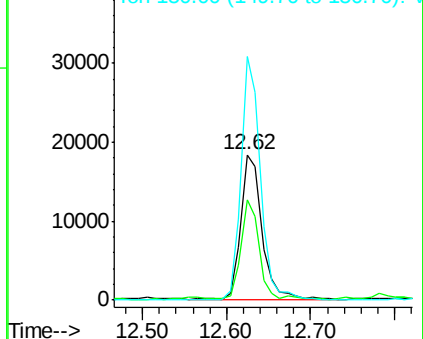
Lab File: VF059203.D

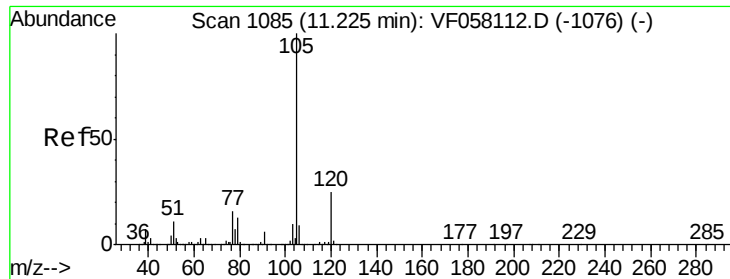
Acq: 19 Jun 2018 21:57

Tgt Ion:	152	Resp:	33098
Ion Ratio	Lower	Upper	
152	100		
115	68.7	28.5	85.5
150	167.7	0.0	323.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





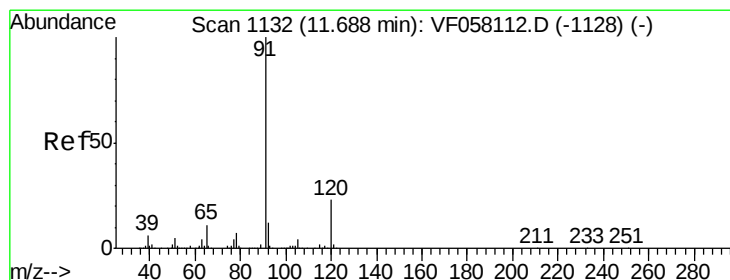
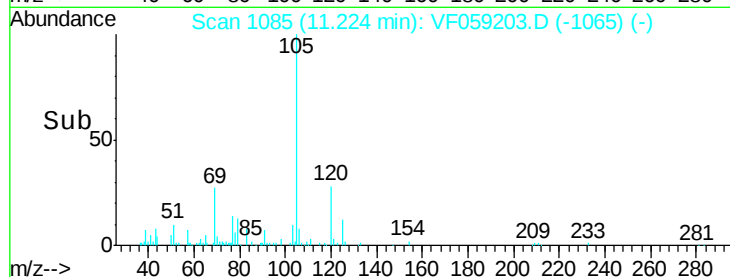
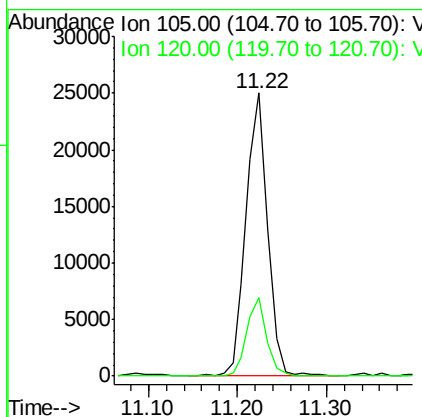
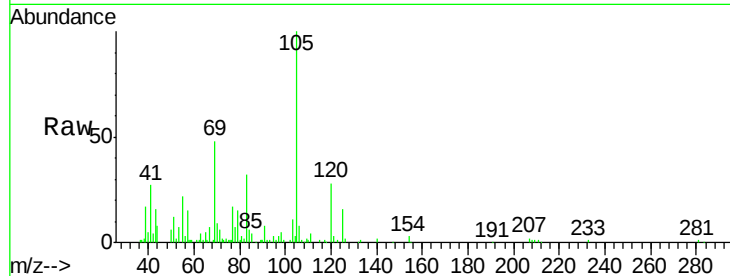
#73
Isopropylbenzene
Concen: 18.33 ug/l
RT: 11.22 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VF059203.D
Acq: 19 Jun 2018 21:57

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOILRE

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	12.7	38.1

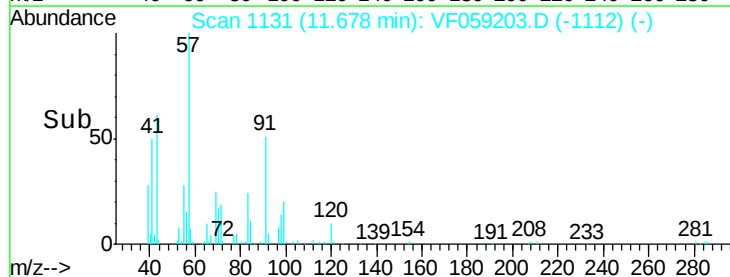
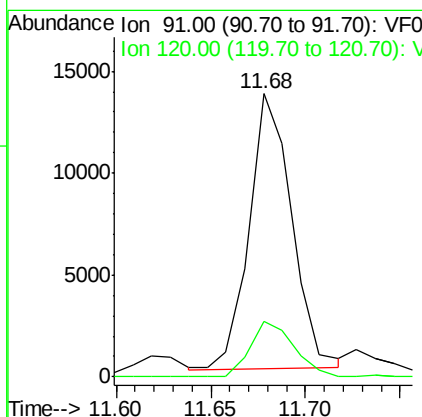
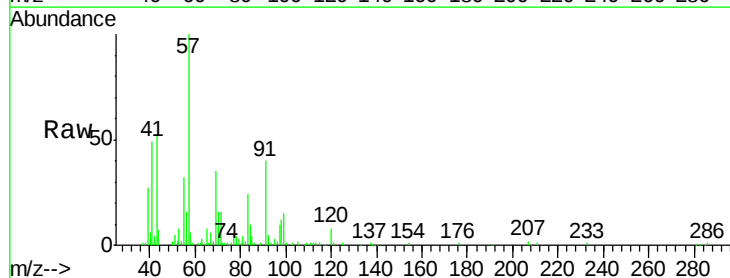
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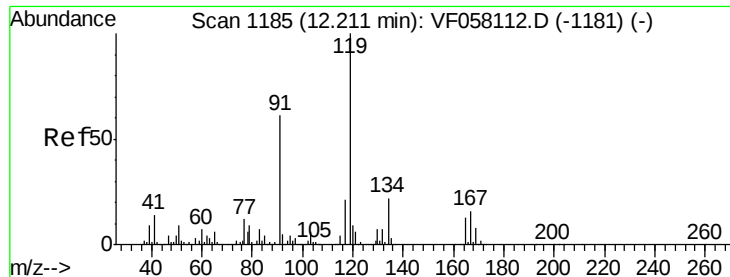
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#78
n-propylbenzene
Concen: 7.82 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059203.D
Acq: 19 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	11.5	34.5





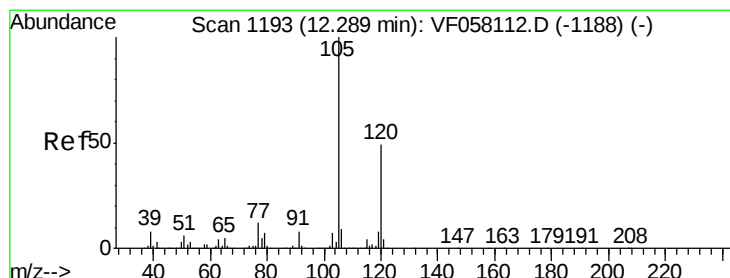
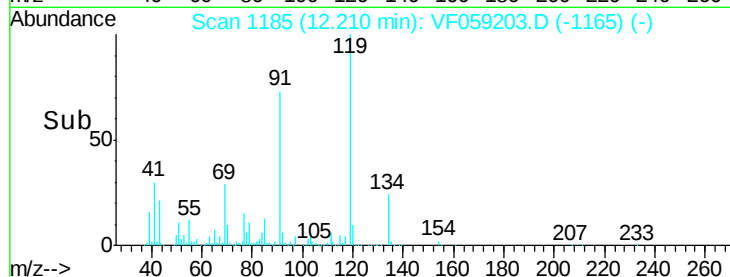
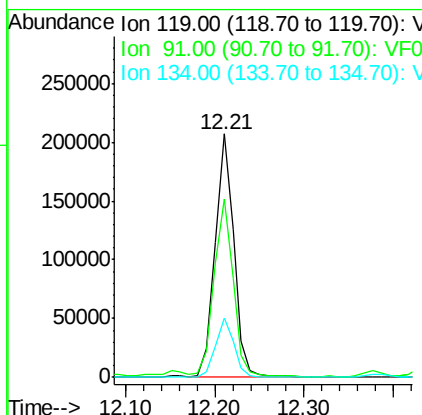
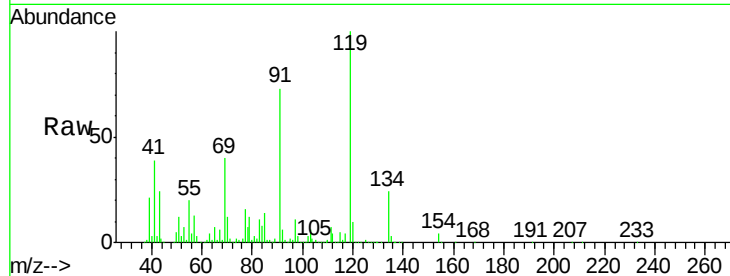
#83
 tert-Butylbenzene
 Concen: 162.57 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059203.D
 Acq: 19 Jun 2018 21:57

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOILRE

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.3	30.4	91.3
134	24.5	11.2	33.5

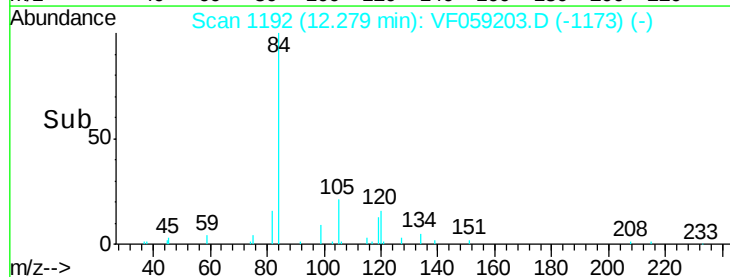
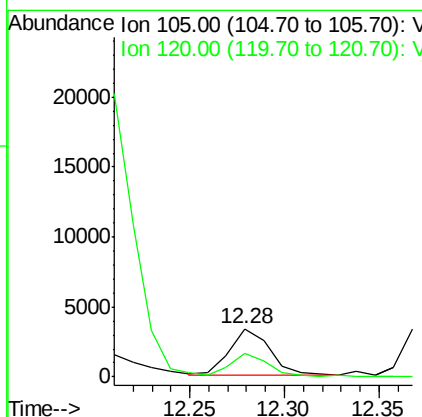
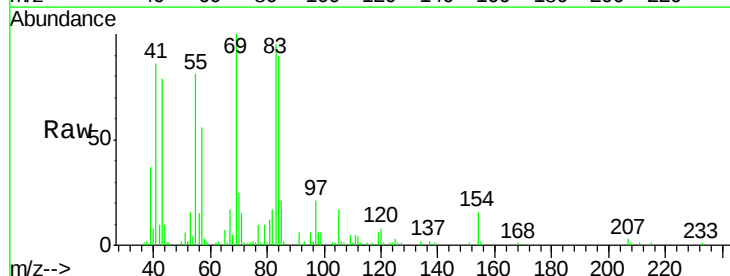
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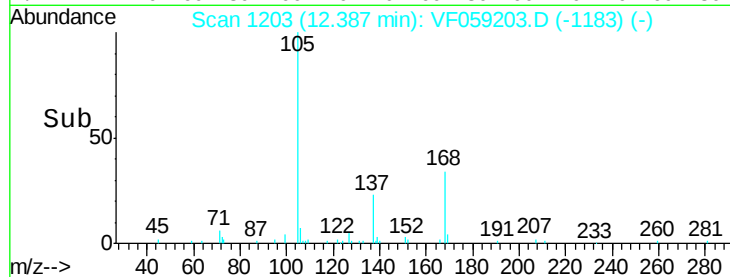
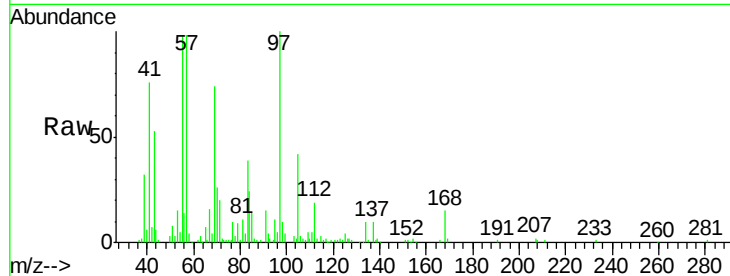
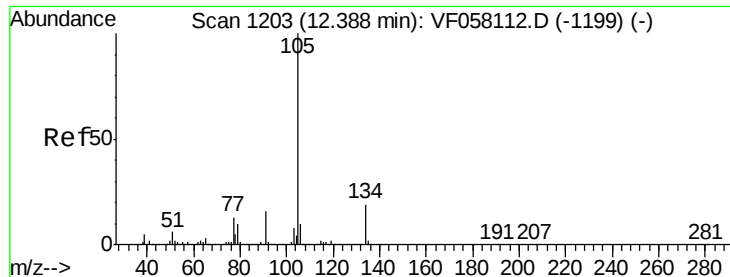
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.56 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059203.D
 Acq: 19 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.7	74.1





#85
 sec-Butylbenzene
 Concen: 6.97 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059203.D
 Acq: 19 Jun 2018 21:57

Tot Ion	Ratio	Lower	Upper
105	100		
134	23.3	9.6	28.6

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOILRE

Manual Integrations
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