

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062707.D
 Acq On : 14 Jun 2019 13:29
 Operator : VA/AP
 Sample : K3366-01
 Misc : 5.22g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-SOIL

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 1:07:56 AM

Quant Time: Jun 15 05:28:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	95517	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	148684	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	88164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	28033	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	79570	57.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.46%	
35) Dibromofluoromethane	6.93	113	59968	38.24	ug/l	0.01
Spiked Amount 50.000			Recovery	=	76.48%	
50) Toluene-d8	10.41	98	67368	20.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.84%	
62) 4-Bromofluorobenzene	13.55	95	26104	16.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	33.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	176878	700.814	ug/l	100
18) Methyl Acetate	3.65	43	20439	49.277	ug/l	94
25) 2-Butanone	6.06	43	23684	96.188	ug/l #	86
39) Methylcyclohexane	8.88	83	11083	8.060	ug/l #	81
40) Benzene	7.46	78	12568	3.782	ug/l #	88
52) Toluene	10.51	92	24561	10.995	ug/l	95
67) Ethyl Benzene	12.52	91	24595	7.113	ug/l	97
68) m/p-Xylenes	12.67	106	46835	38.530	ug/l	100
69) o-Xylene	13.05	106	22409	20.073	ug/l	84
78) n-propylbenzene	13.78	91	6553	2.709	ug/l	89
80) 1,3,5-Trimethylbenzene	13.93	105	21546	12.338	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	56144	32.472	ug/l	96
85) sec-Butylbenzene	14.37	105	4107	2.033	ug/l	86
86) p-Isopropyltoluene	14.49	119	5184	2.636	ug/l #	76
89) n-Butylbenzene	14.80	91	10219m	5.777	ug/l	

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

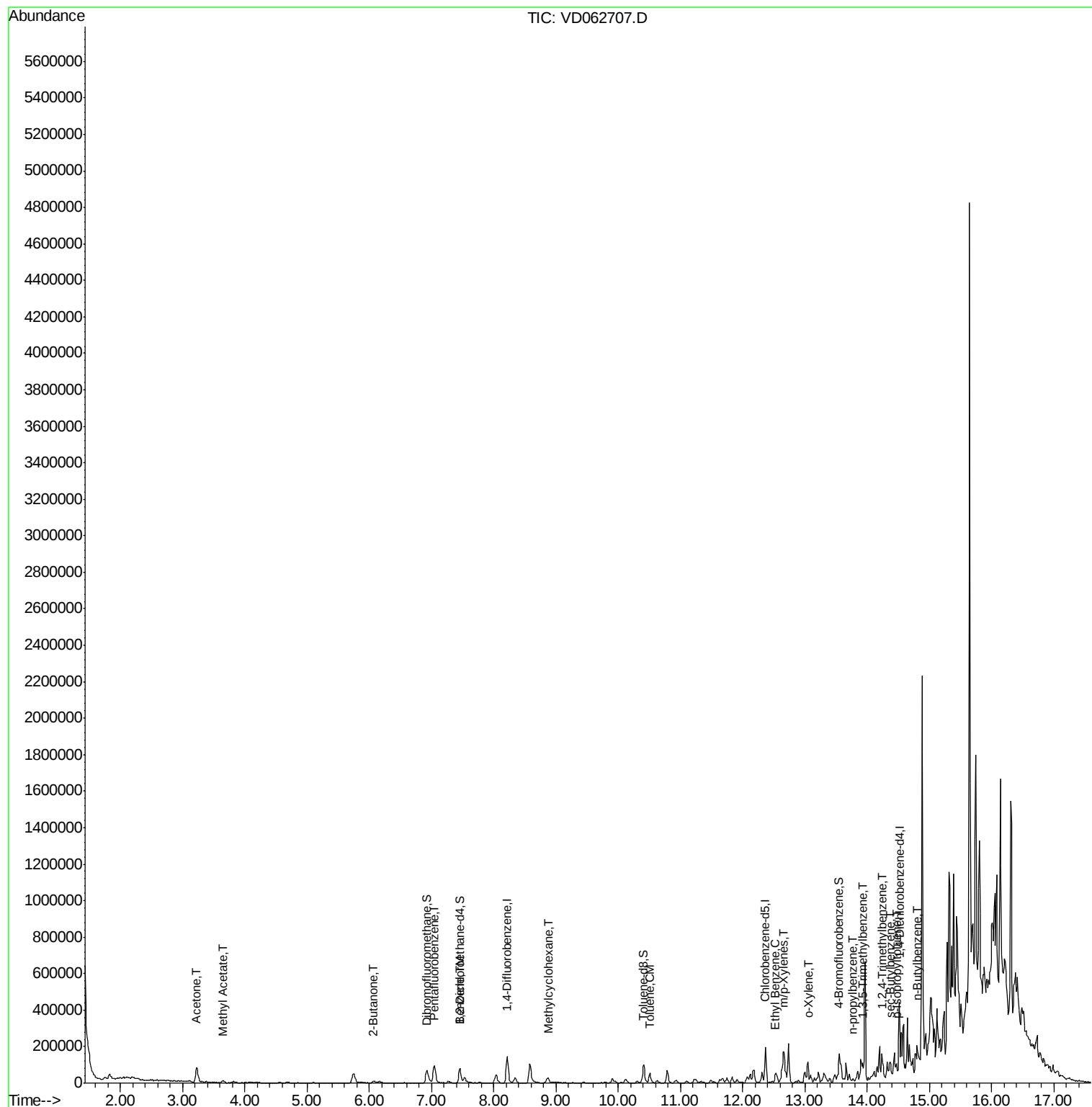
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062707.D
Acq On : 14 Jun 2019 13:29
Operator : VA/AP
Sample : K3366-01
Misc : 5.22g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

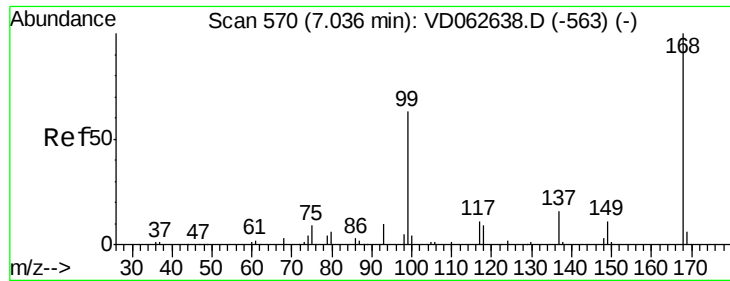
Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Manual Integrations
APPROVED

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6/18/2019 1:07:56 AM

Quant Time: Jun 15 05:28:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

Tot Ion:168 Resp: 95517

Ion Ratio Lower Upper

168 100

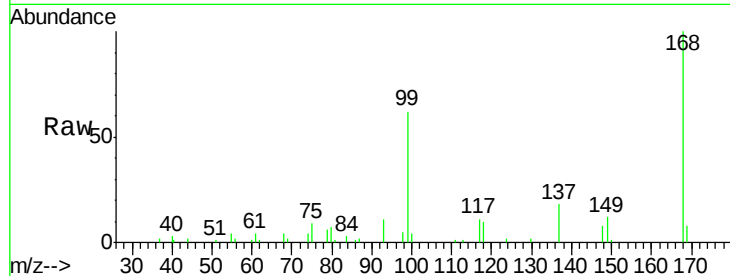
99 61.8 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

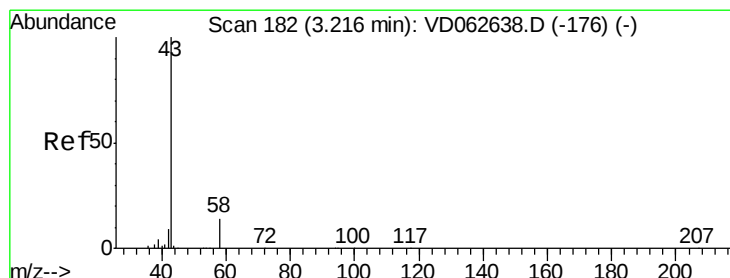
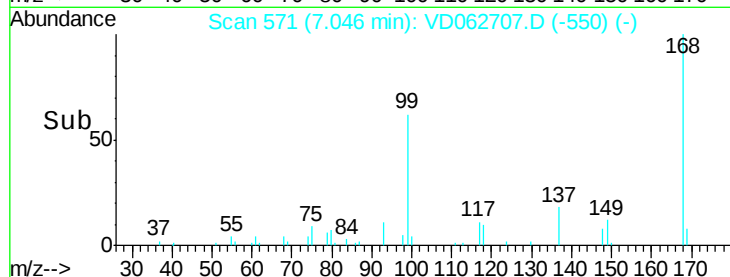
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 700.814 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062707.D

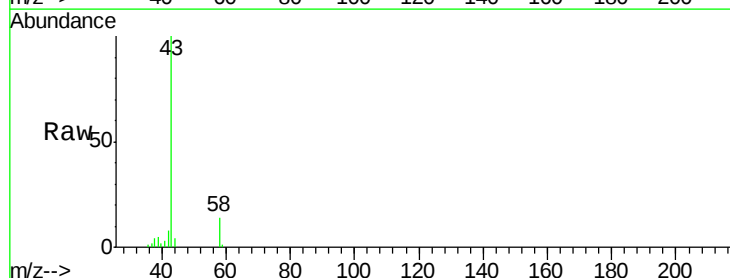
Acq: 14 Jun 2019 13:29

Tgt Ion: 43 Resp: 176878

Ion Ratio Lower Upper

43 100

58 13.5 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

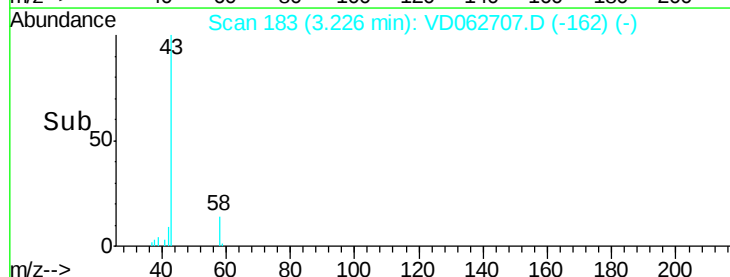
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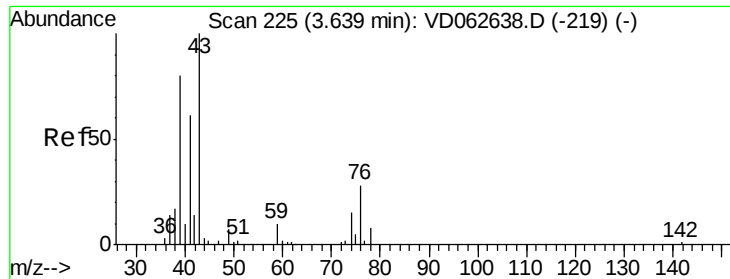
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Time-->





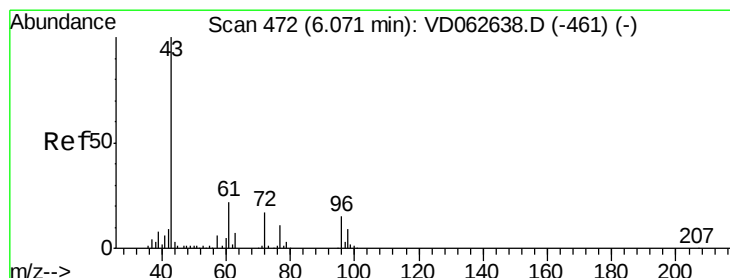
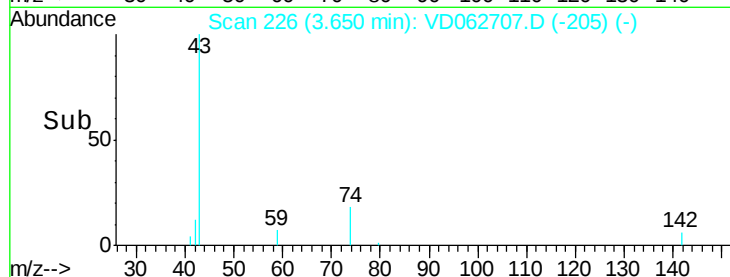
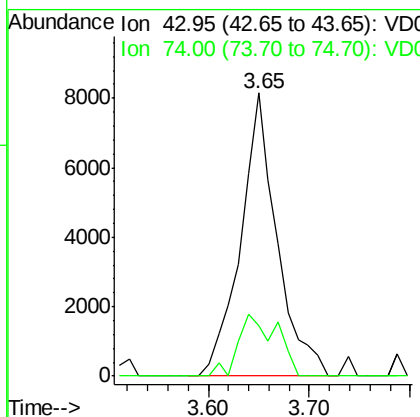
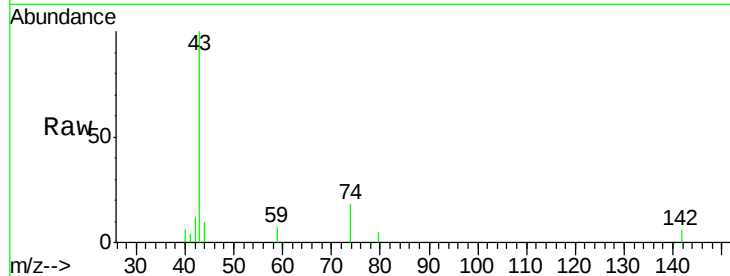
#18
Methyl Acetate
Concen: 49.277 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion: 43 Resp: 20439
Ion Ratio Lower Upper
43 100
74 17.7 12.1 18.1

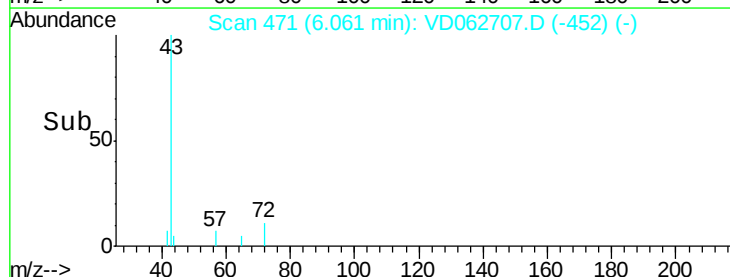
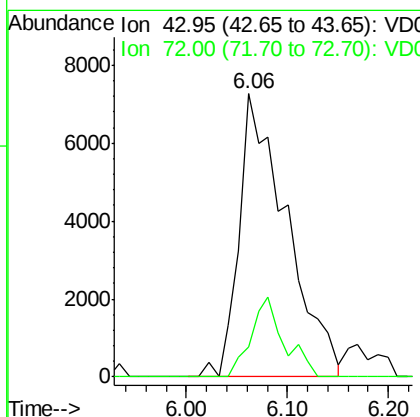
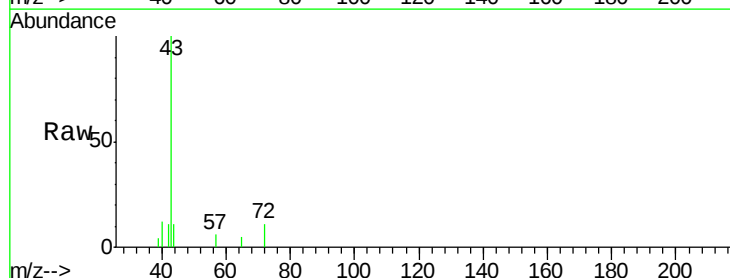
Manual Integrations
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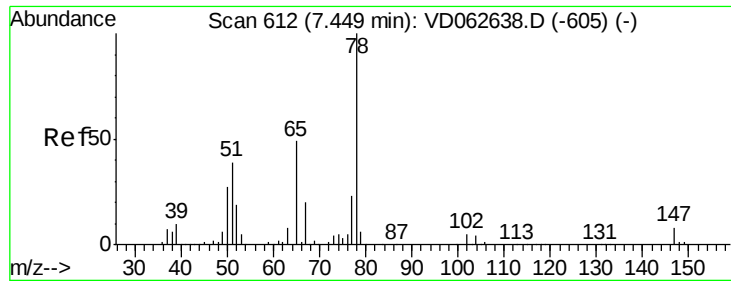
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#25
2-Butanone
Concen: 96.188 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 43 Resp: 23684
Ion Ratio Lower Upper
43 100
72 10.8 13.5 20.3#





#33

1,2-Dichloroethane-d4

Concen: 57.730 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Tot Ion: 65 Resp: 79570

Ion Ratio Lower Upper

65 100

67 47.0 0.0 81.8

Instrument :

MSVOA_D

ClientSampleId :

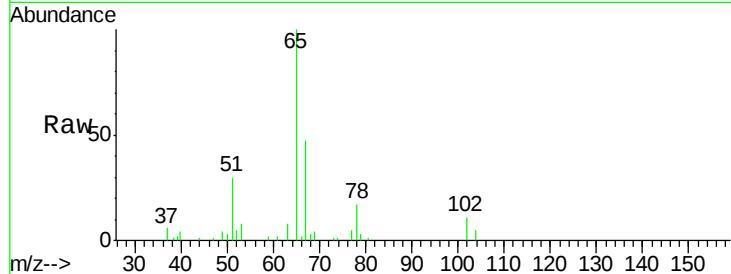
OILY-SOIL

Manual Integrations

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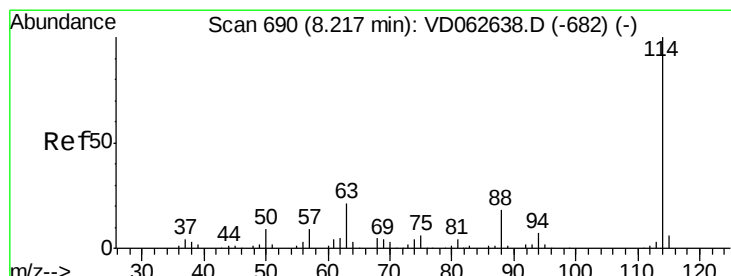
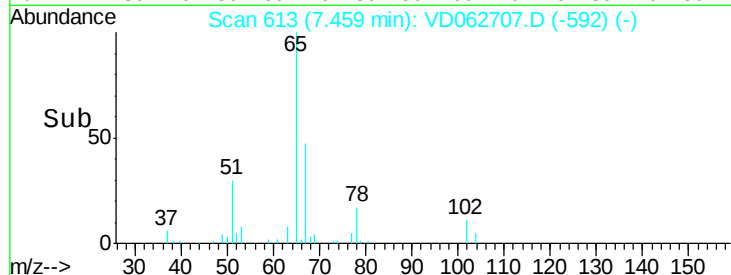
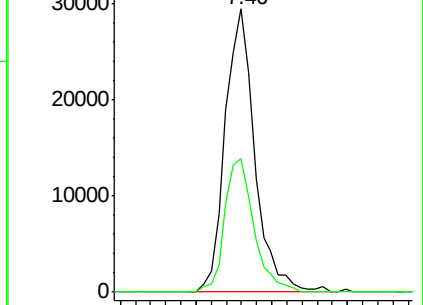
MMDadoda

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

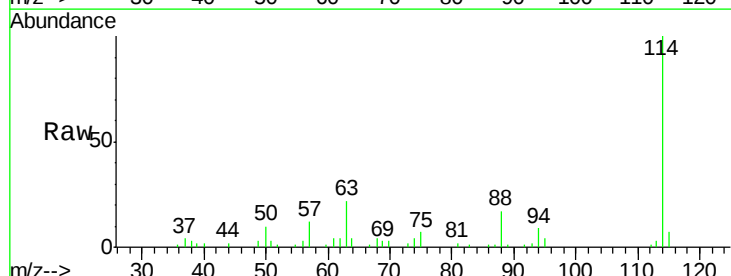
Tgt Ion: 114 Resp: 148684

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

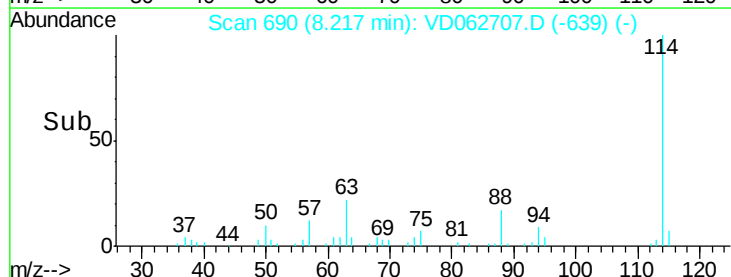
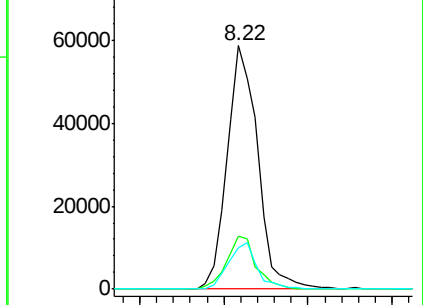
88 16.8 0.0 36.8

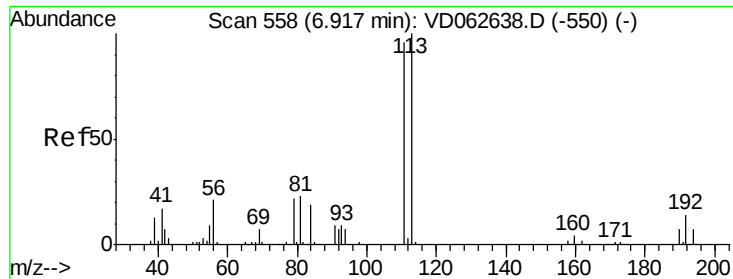


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





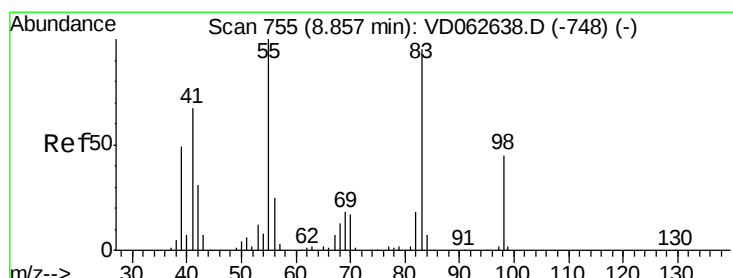
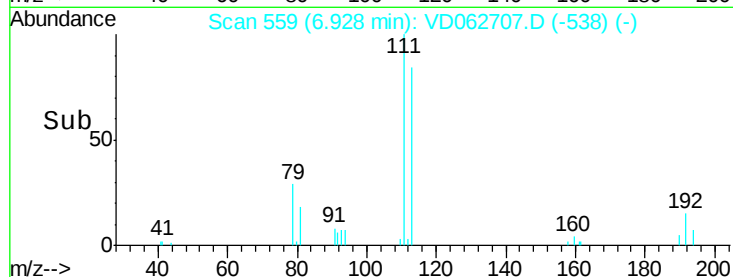
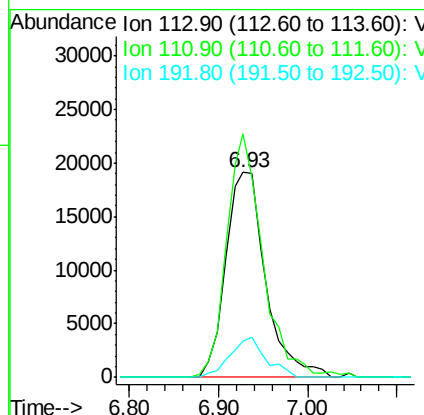
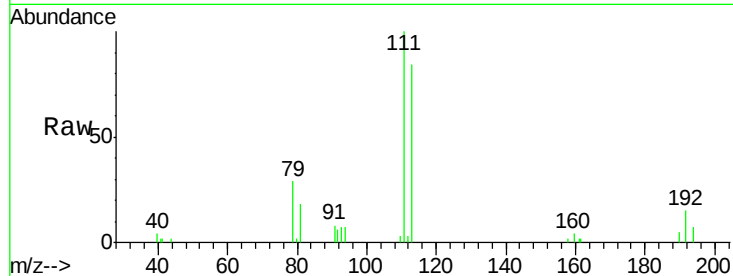
#35
Dibromofluoromethane
Concen: 38.243 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion:113 Resp: 59968
Ion Ratio Lower Upper
113 100
111 119.0 76.4 114.6#
192 17.9 11.4 17.0#

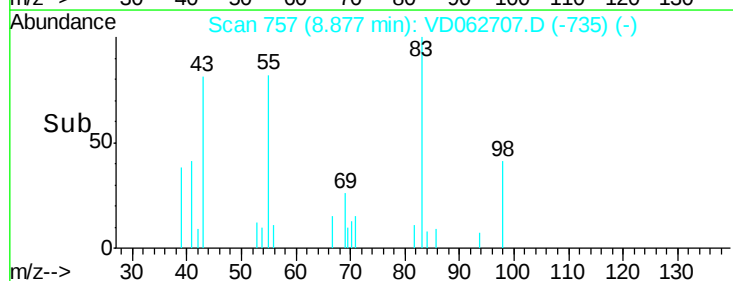
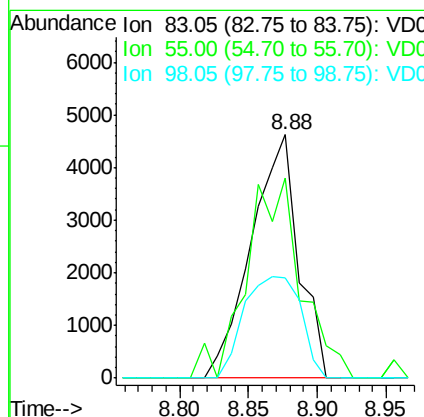
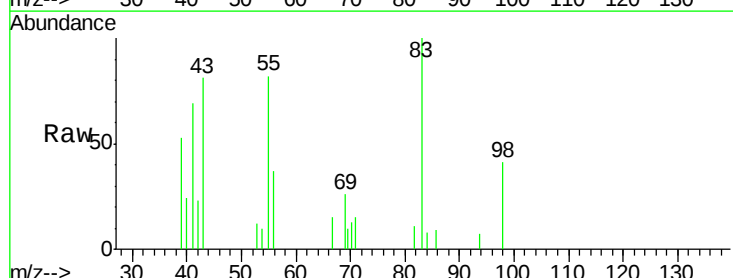
Manual Integrations
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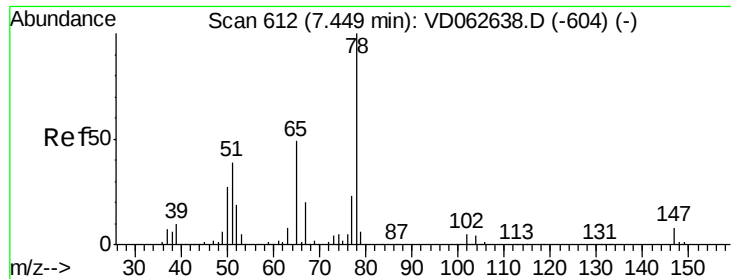
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#39
Methylcyclohexane
Concen: 8.060 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 83 Resp: 11083
Ion Ratio Lower Upper
83 100
55 82.1 84.6 127.0#
98 41.0 38.2 57.4





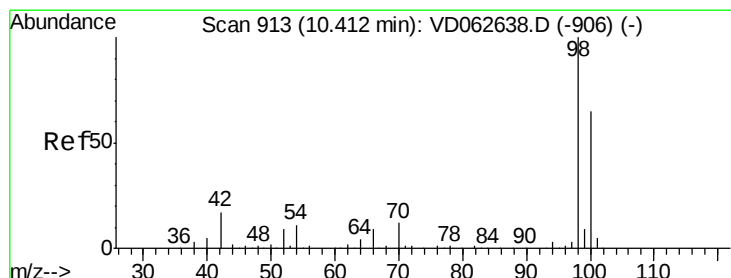
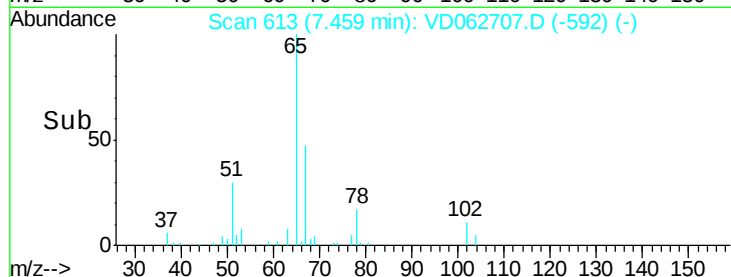
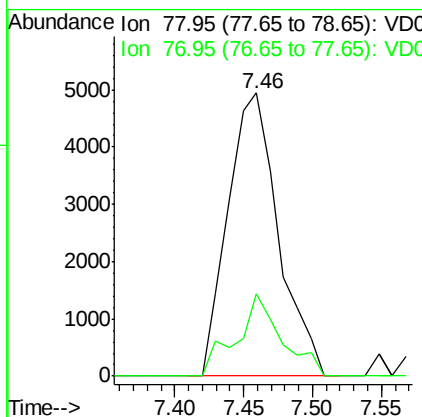
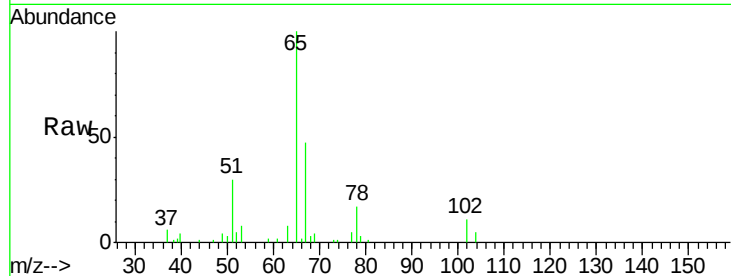
#40
Benzene
Concen: 3.782 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampled :
OILY-SOIL

Tot Ion: 78 Resp: 12568
Ion Ratio Lower Upper
78 100
77 29.2 18.6 28.0#

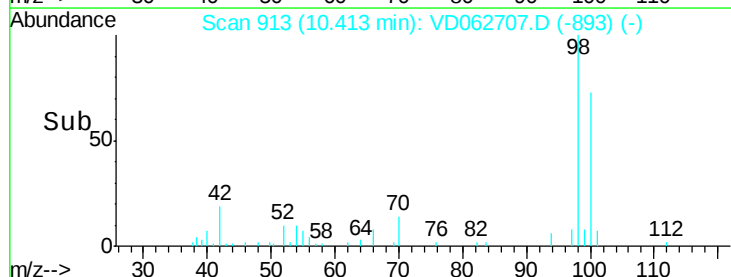
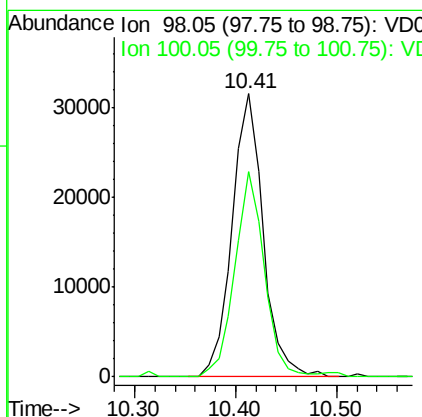
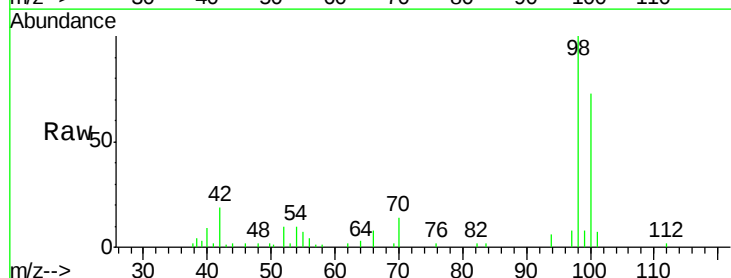
Manual Integrations
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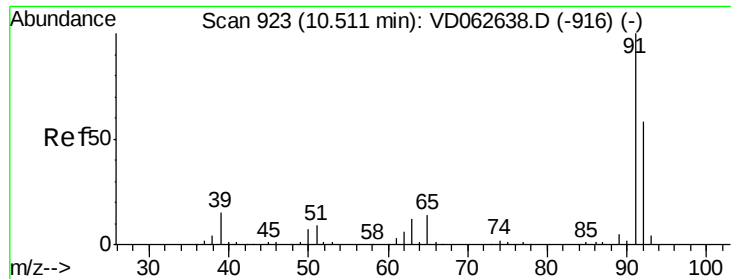
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#50
Toluene-d8
Concen: 20.423 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion: 98 Resp: 67368
Ion Ratio Lower Upper
98 100
100 72.6 52.1 78.1





#52

Toluene

Concen: 10.995 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

Tot Ion: 92 Resp: 24561

Ion Ratio Lower Upper

92 100

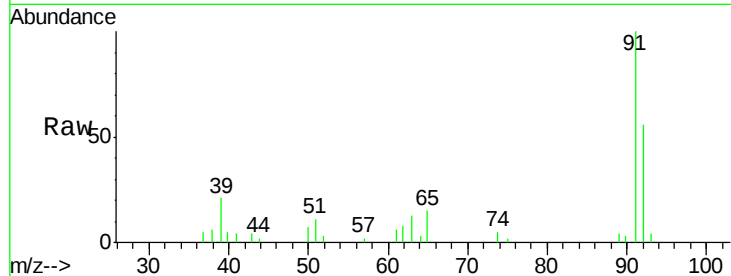
91 177.8 137.0 205.6

Manual Integrations

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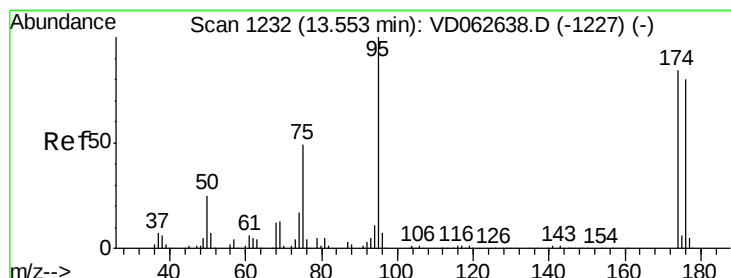
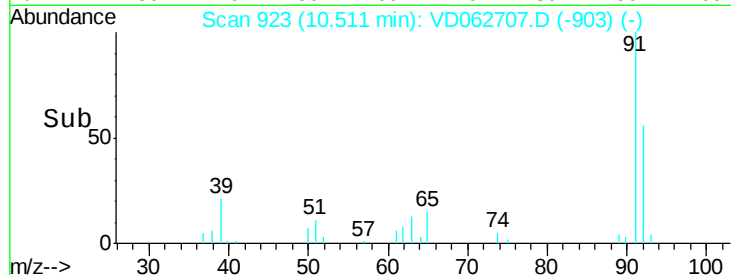
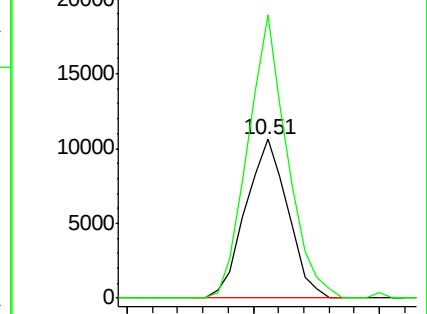
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Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 16.962 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

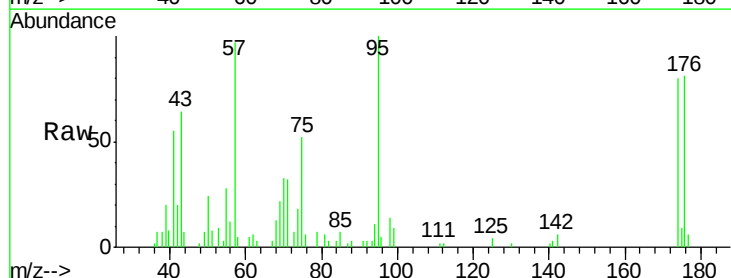
Tgt Ion: 95 Resp: 26104

Ion Ratio Lower Upper

95 100

174 79.6 0.0 167.0

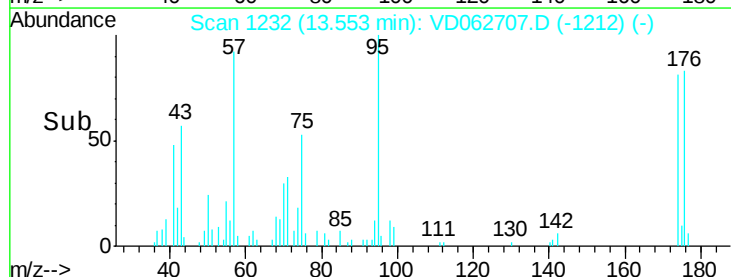
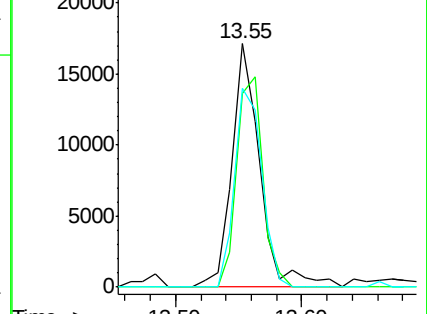
176 81.5 0.0 159.2

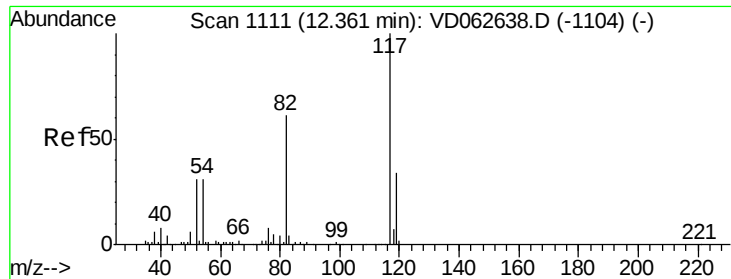


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





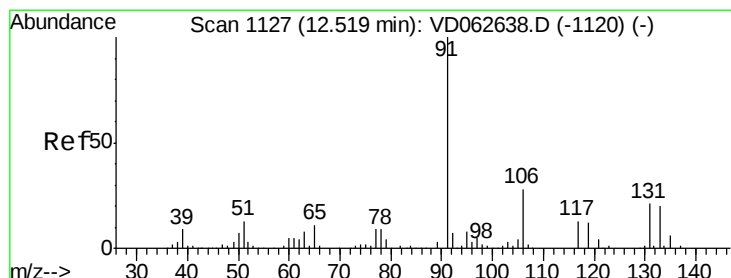
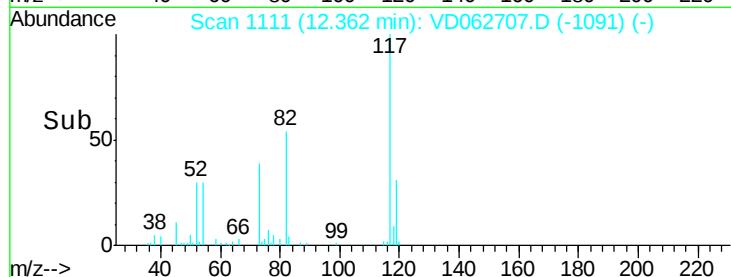
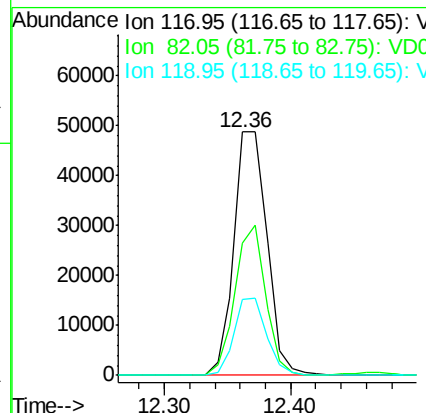
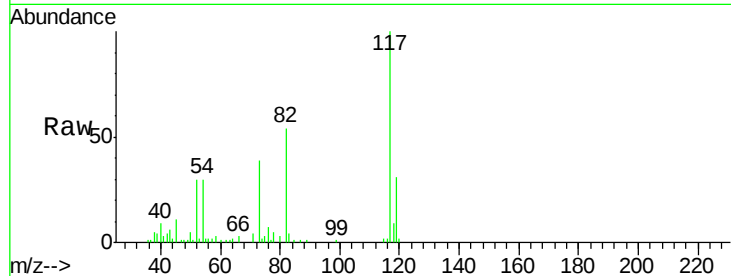
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	48.7	73.1
119	31.1	27.0	40.6

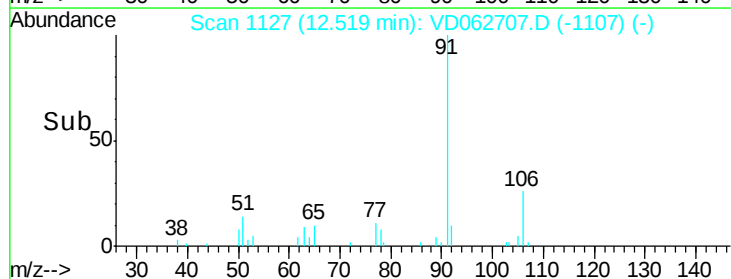
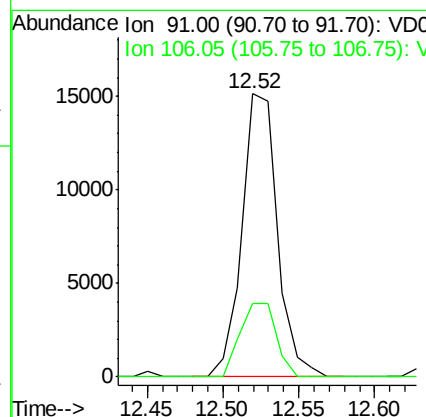
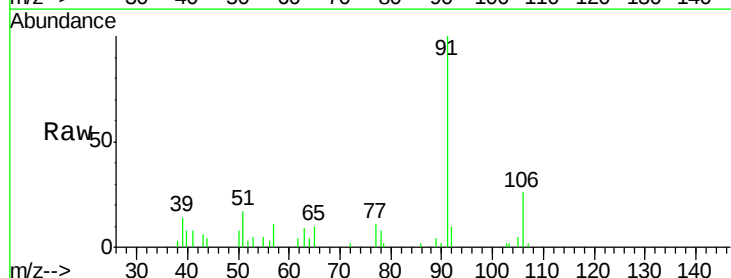
Manual Integrations
APPROVED

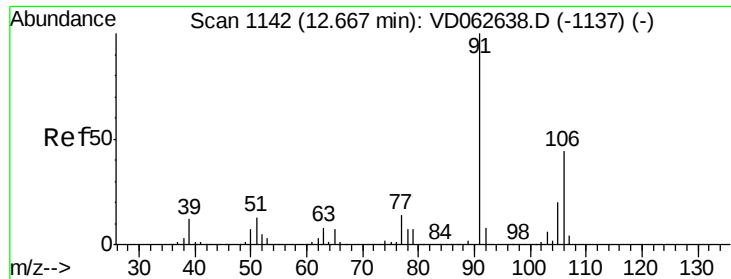
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#67
Ethyl Benzene
Concen: 7.113 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.9	22.1	33.1





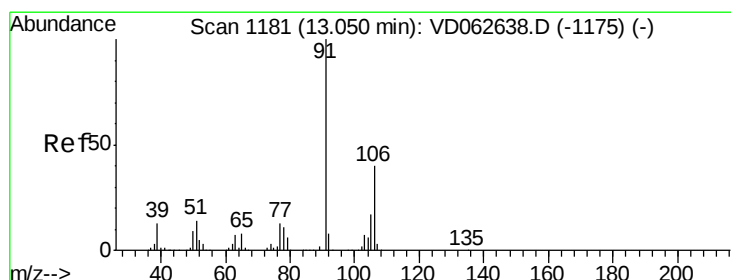
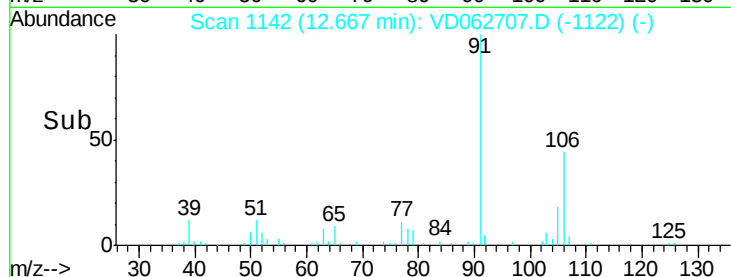
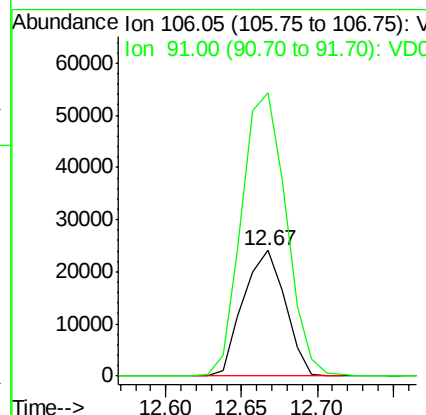
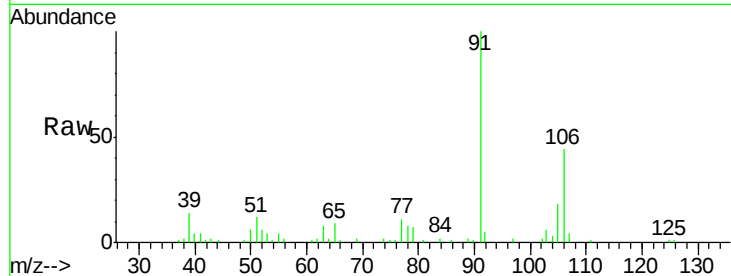
#68
m/p-Xylenes
Concen: 38.530 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
OILY-SOIL

Tot Ion:106 Resp: 46835
Ion Ratio Lower Upper
106 100
91 224.9 180.2 270.4

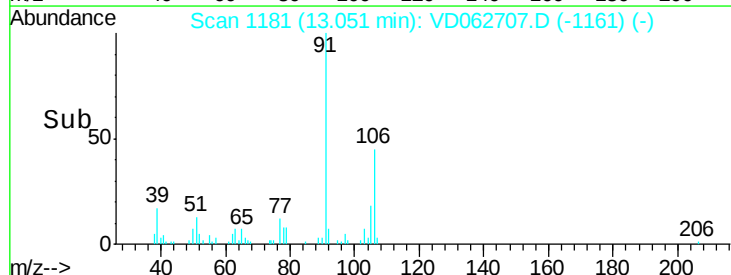
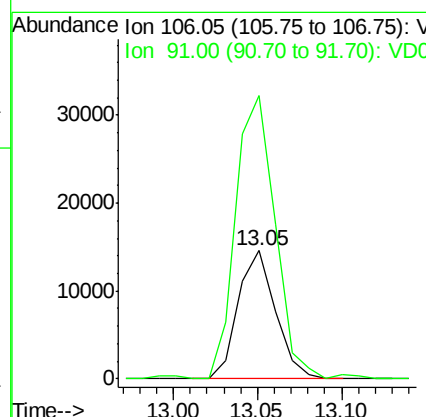
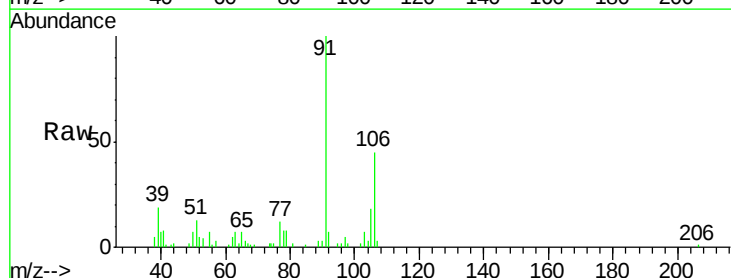
Manual Integrations
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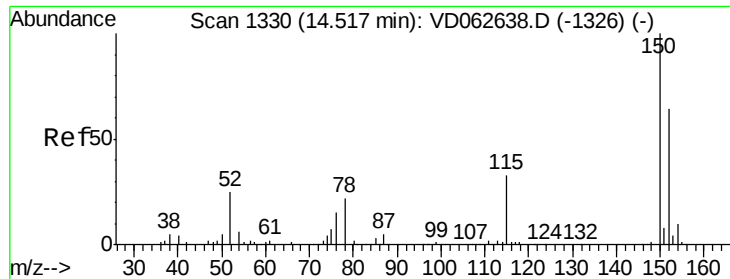
MMDadoda
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#69
o-Xylene
Concen: 20.073 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062707.D
Acq: 14 Jun 2019 13:29

Tgt Ion:106 Resp: 22409
Ion Ratio Lower Upper
106 100
91 220.9 124.1 372.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

OILY-SOIL

Tot Ion:152 Resp: 28033

Ion Ratio Lower Upper

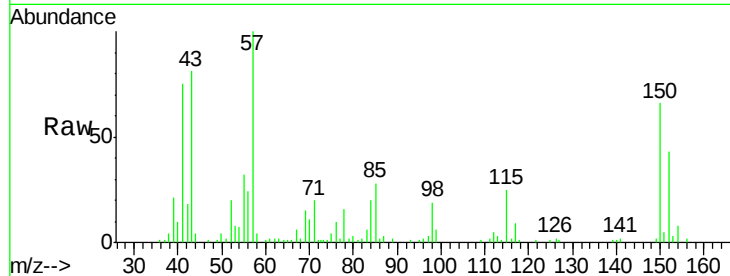
152 100

115 56.4 30.1 90.5

150 152.6 0.0 314.0

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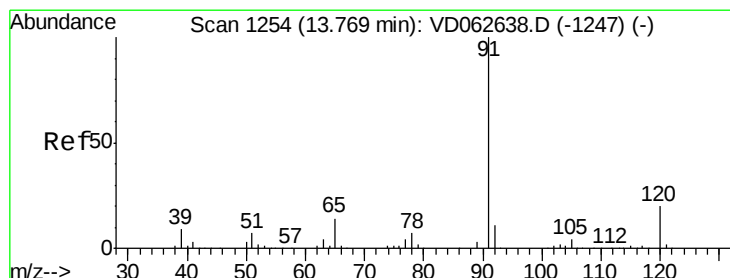
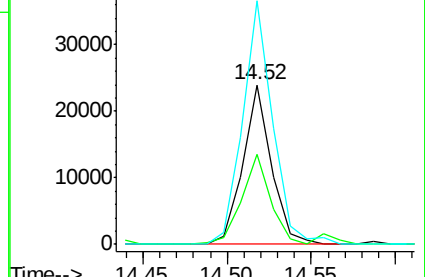
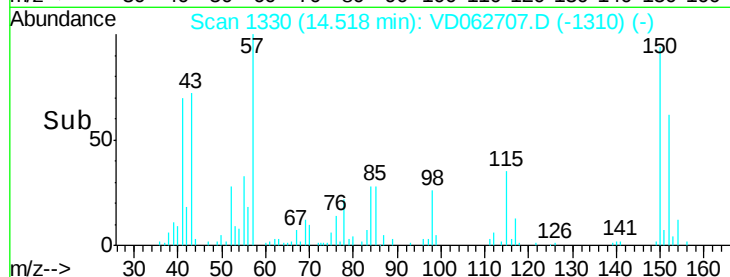


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

Time-->



#78

n-propylbenzene

Concen: 2.709 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062707.D

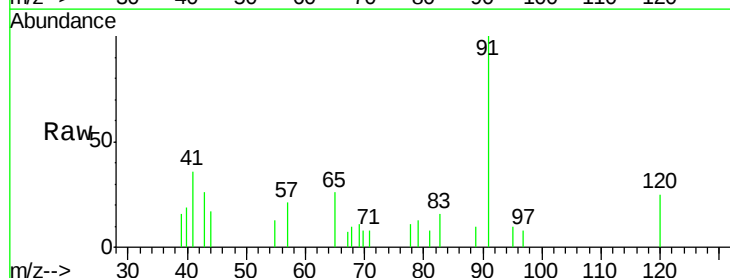
Acq: 14 Jun 2019 13:29

Tgt Ion: 91 Resp: 6553

Ion Ratio Lower Upper

91 100

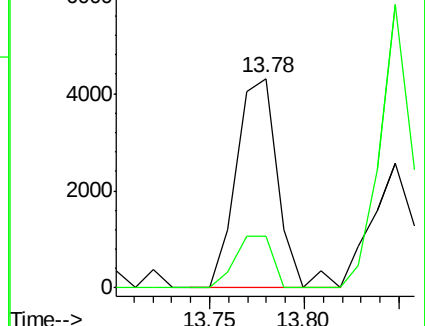
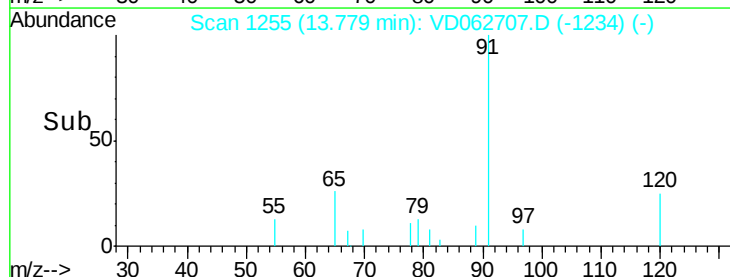
120 24.8 9.8 29.5

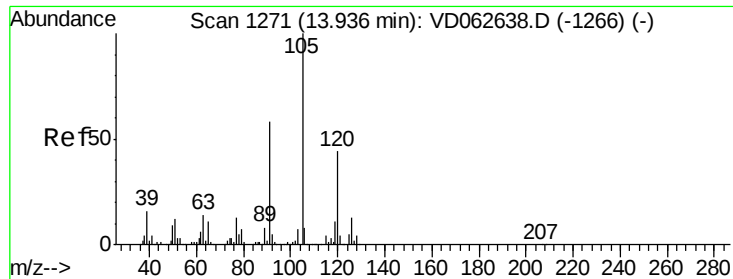


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 12.338 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

Tot Ion:105 Resp: 21546

Ion Ratio Lower Upper

105 100

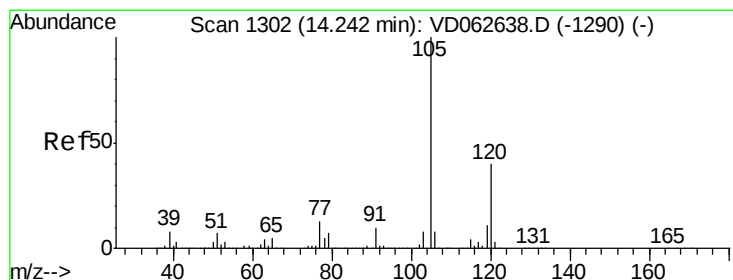
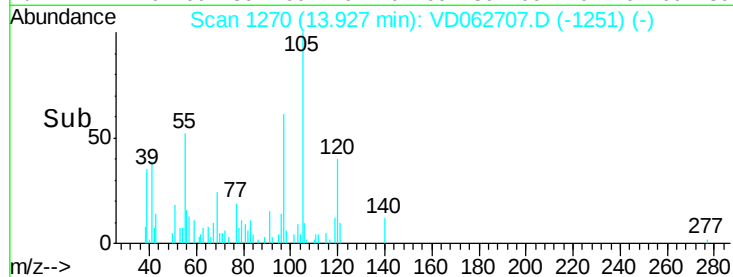
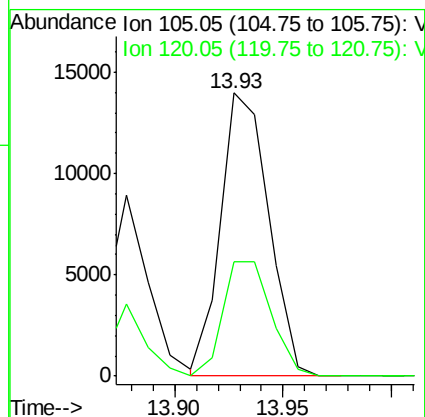
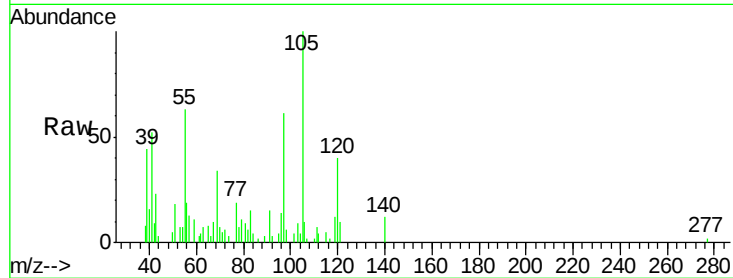
120 40.3 22.1 66.5

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#84

1,2,4-Trimethylbenzene

Concen: 32.472 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062707.D

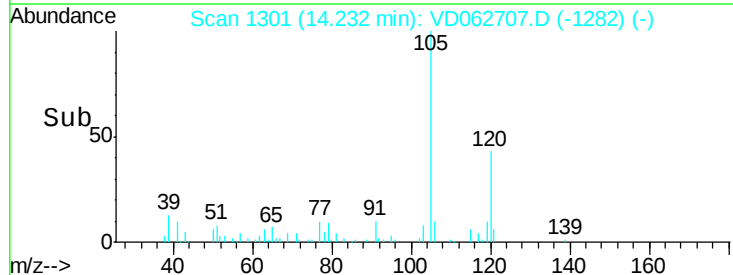
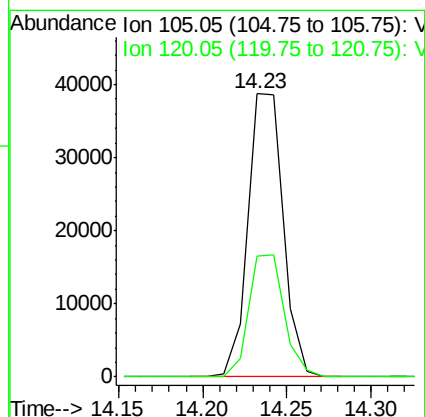
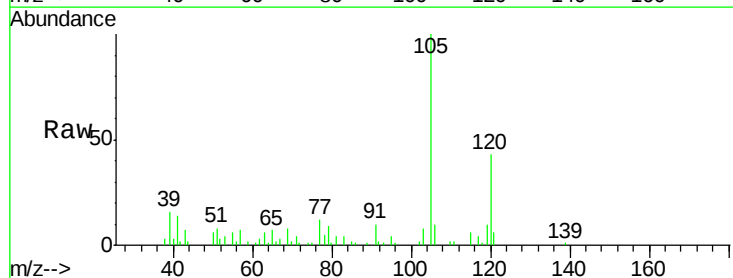
Acq: 14 Jun 2019 13:29

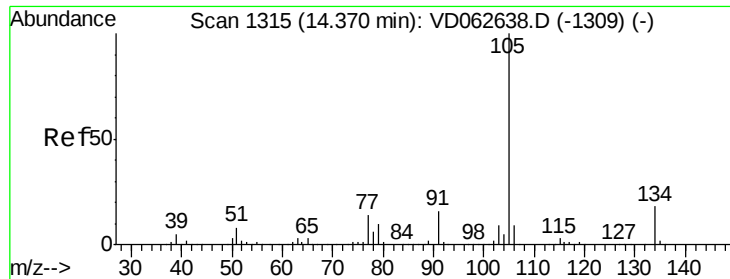
Tgt Ion:105 Resp: 56144

Ion Ratio Lower Upper

105 100

120 42.8 20.3 60.8





#85

sec-Butylbenzene

Concen: 2.033 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

Tot Ion:105 Resp: 4107

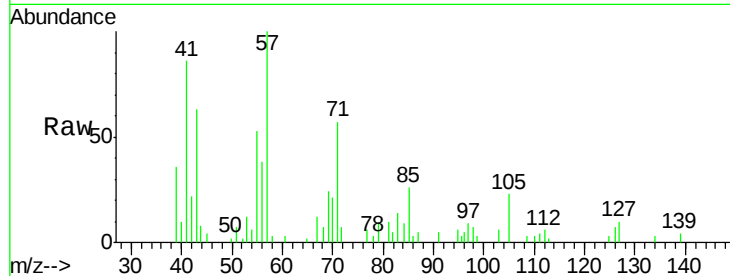
Ion Ratio Lower Upper

105 100

134 11.5 8.8 26.2

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

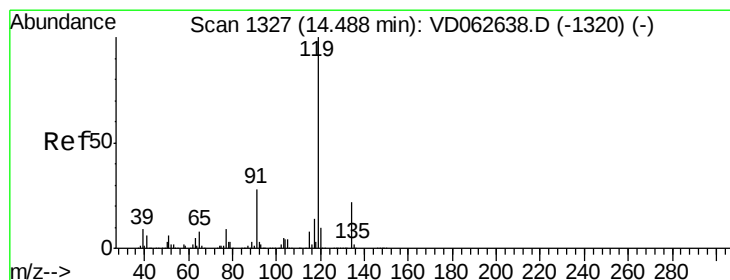
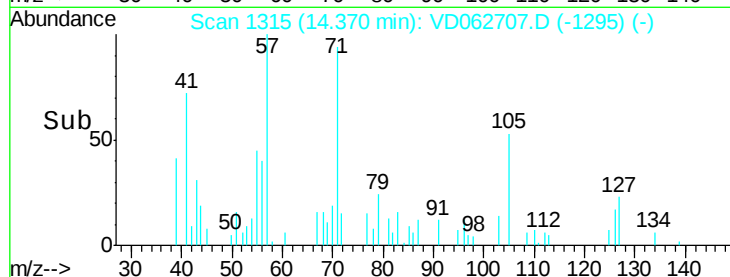
3000

2000

1000

0

Time--> 14.30 14.35 14.40



#86

p-Isopropyltoluene

Concen: 2.636 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

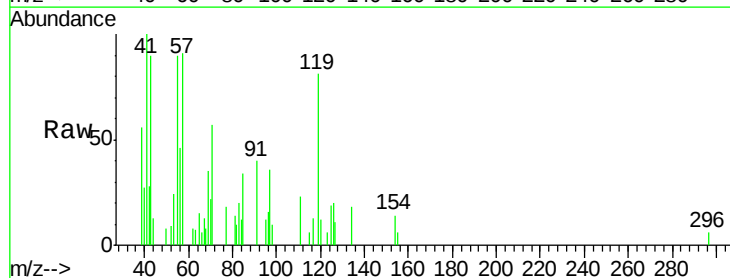
Tgt Ion:119 Resp: 5184

Ion Ratio Lower Upper

119 100

134 22.3 10.9 32.6

91 49.2 13.9 41.6#



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

8000

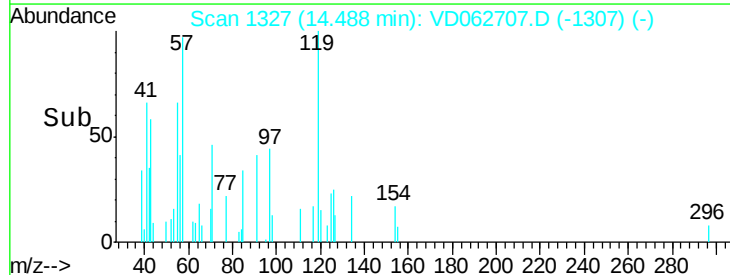
6000

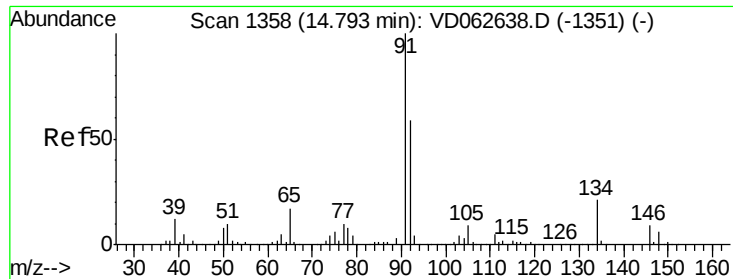
4000

2000

0

Time--> 14.45 14.50





#89

n-Butylbenzene

Concen: 5.777 ug/l m

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062707.D

Acq: 14 Jun 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

OILY-SOIL

Tot Ion:	91	Resp:	10219
Ion Ratio	Lower	Upper	
91	100		
92	49.3	29.4	88.3
134	19.9	10.4	31.2

Manual Integrations
APPROVED

MMDadoda
6/18/2019 1:07:56 AM

