

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058159.D
 Acq On : 15 Jun 2018 18:31
 Operator : VA/AP
 Sample : J3523-06RE
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA2(S)RE

Manual Integrations
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Quant Time: Jun 15 23:58:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	614338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	831982	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	607625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	240423	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	440323	71.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.38%	
35) Dibromofluoromethane	5.55	113	35081m	5.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.90%	
50) Toluene-d8	8.70	98	929165	60.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.42%	
62) 4-Bromofluorobenzene	11.93	95	337446	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	
Target Compounds						
					Qvalue	
16) Acetone	2.61	43	83789	94.690	ug/l #	88
20) Methylene Chloride	3.07	84	27581	6.193	ug/l	97
25) 2-Butanone	4.84	43	21629	10.755	ug/l	98
68) m/p-Xylenes	11.01	106	12846	1.773	ug/l	86
69) o-Xylene	11.40	106	8146	1.133	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	20074	1.616	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	53009	3.970	ug/l	90
95) Naphthalene	14.51	128	122425	15.772	ug/l	99

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

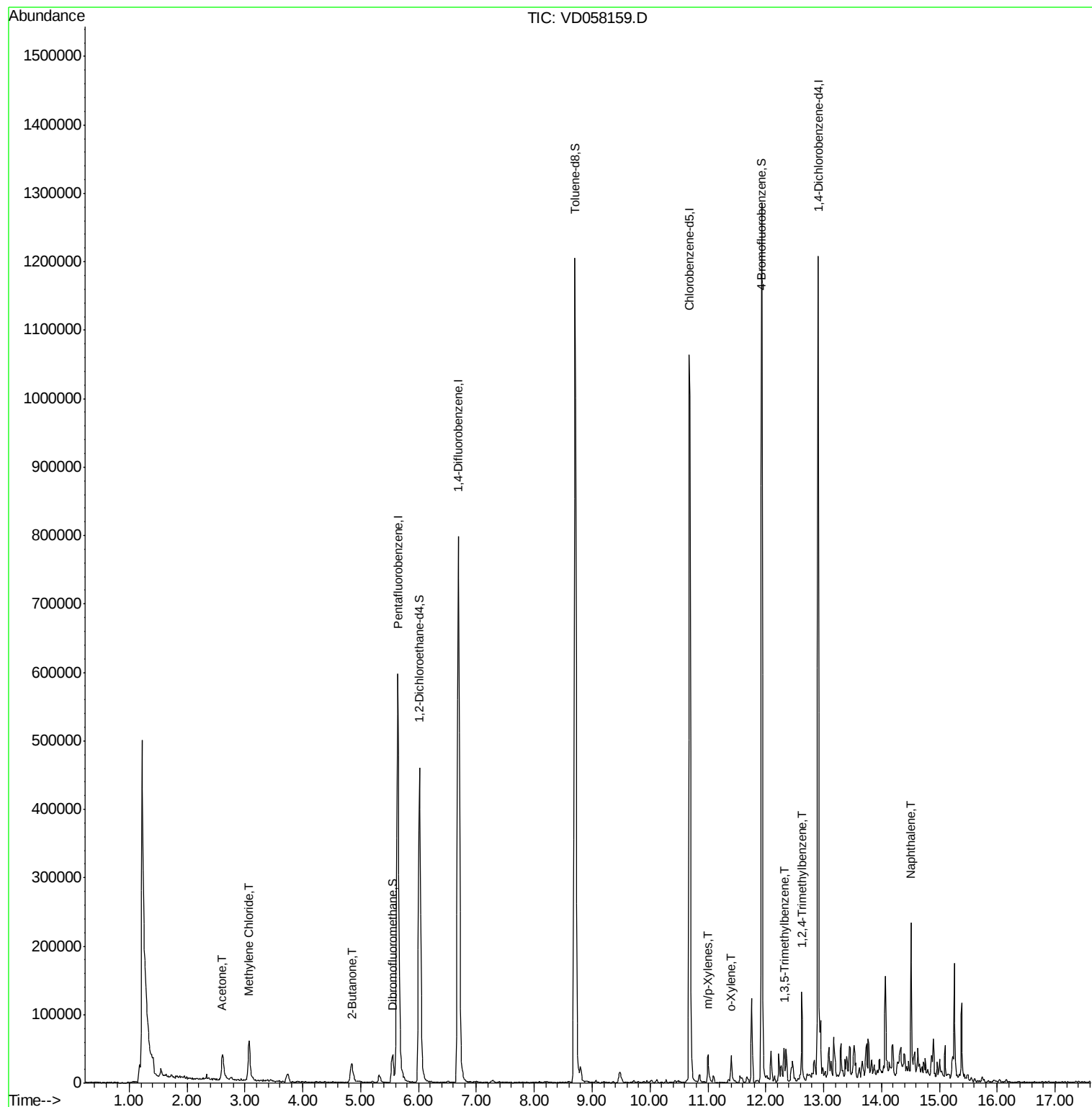
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058159.D
Acq On : 15 Jun 2018 18:31
Operator : VA/AP
Sample : J3523-06RE
Misc : 5.37g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

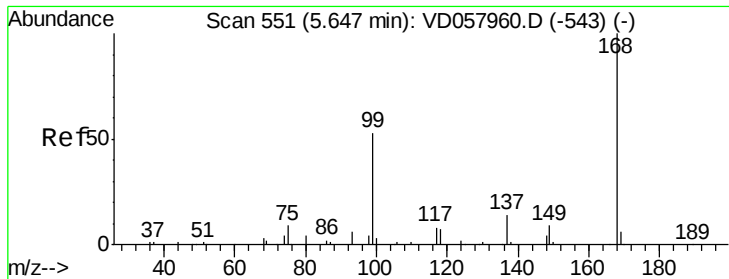
Instrument :
MSVOA_D
ClientSampleId :
AREA2(S)RE

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Quant Time: Jun 15 23:58:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

AREA2(S)RE

Tot Ion:168 Resp: 614338

Ion Ratio Lower Upper

168 100

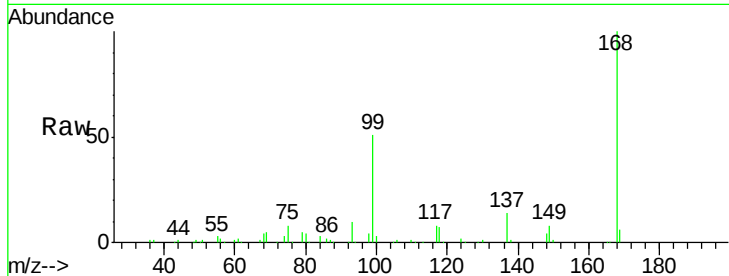
99 50.9 46.8 70.2

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

5.64

250000

200000

150000

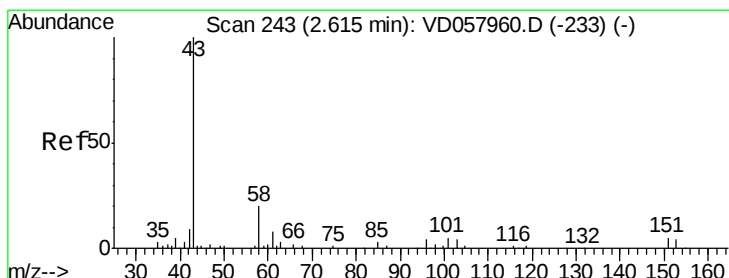
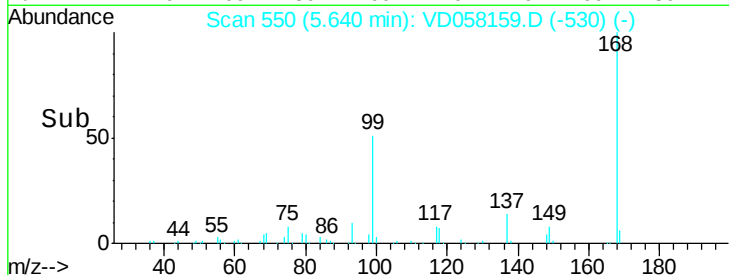
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 94.690 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058159.D

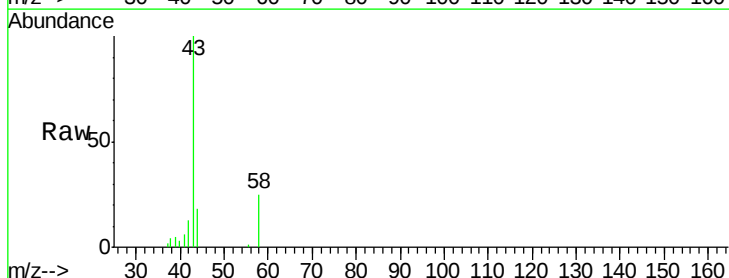
Acq: 15 Jun 2018 18:31

Tgt Ion: 43 Resp: 83789

Ion Ratio Lower Upper

43 100

58 25.3 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

25000

20000

15000

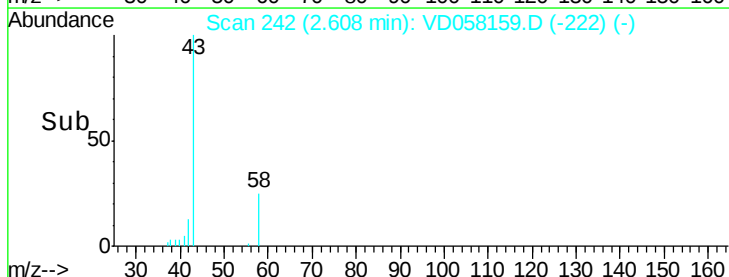
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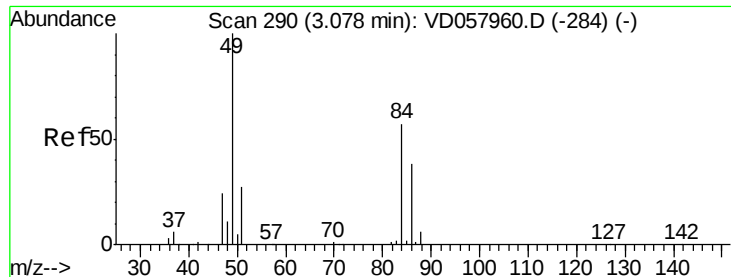
5000

0

Time-->

2.50 2.60 2.70 2.80





#20

Methvlene Chloride

Concen: 6.193 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

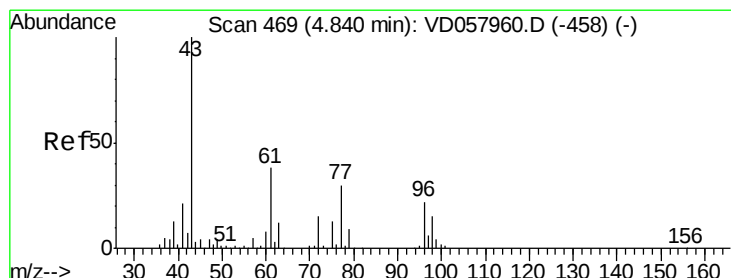
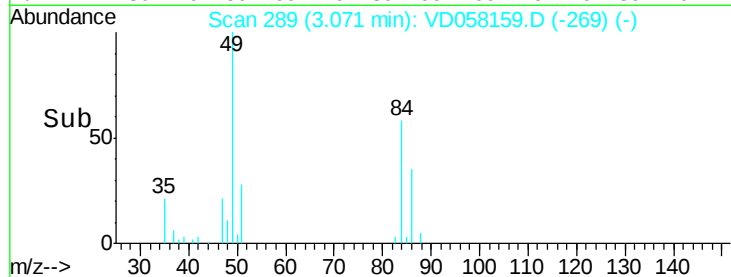
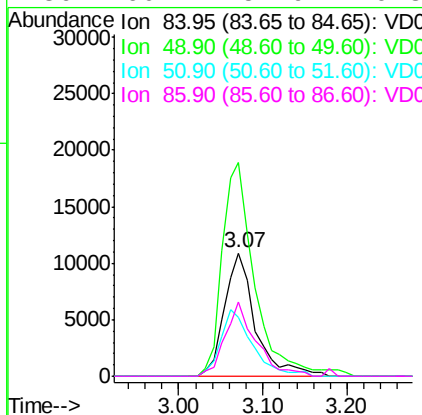
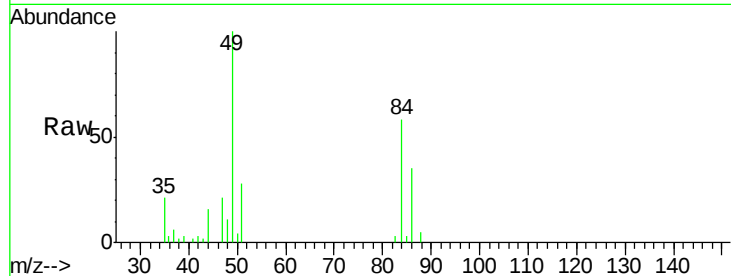
ClientSampleId :

AREA2(S)RE

Tot Ion:	84	Resp:	27581
Ion	Ratio	Lower	Upper
84	100		
49	173.5	141.4	212.0
51	47.8	38.3	57.5
86	60.7	52.9	79.3

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#25

2-Butanone

Concen: 10.755 ug/l

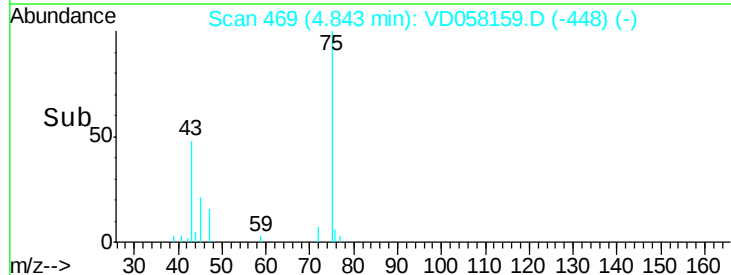
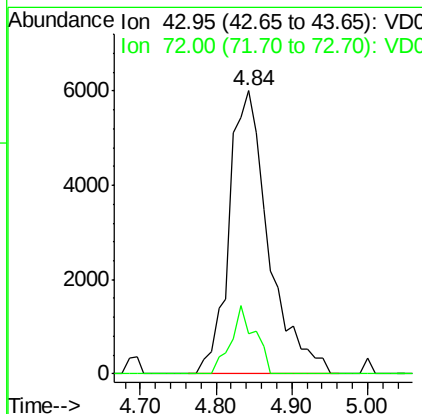
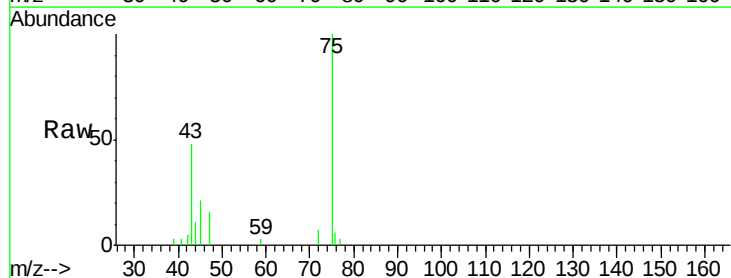
RT: 4.84 min Scan# 469

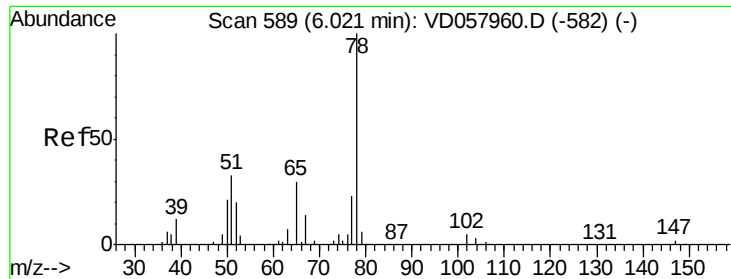
Delta R.T. 0.00 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Tgt Ion:	43	Resp:	21629
Ion	Ratio	Lower	Upper
43	100		
72	14.2	12.0	18.0





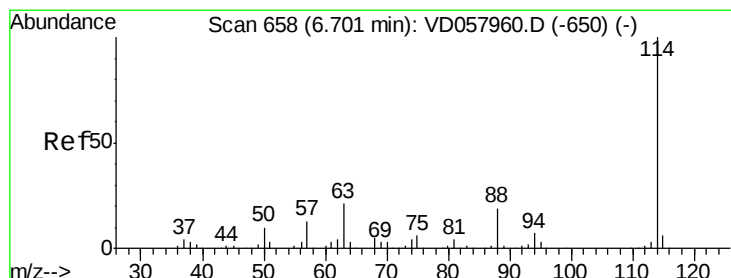
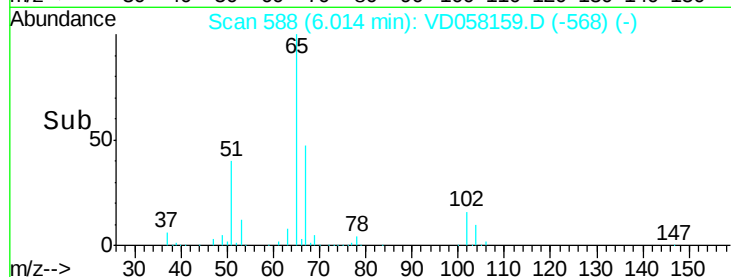
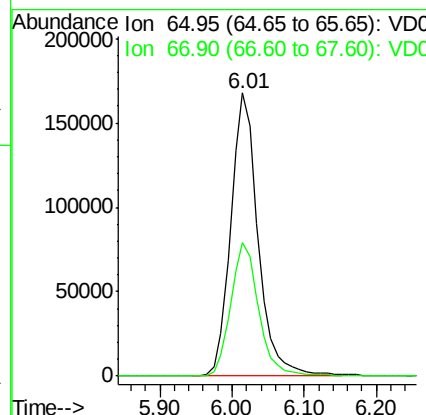
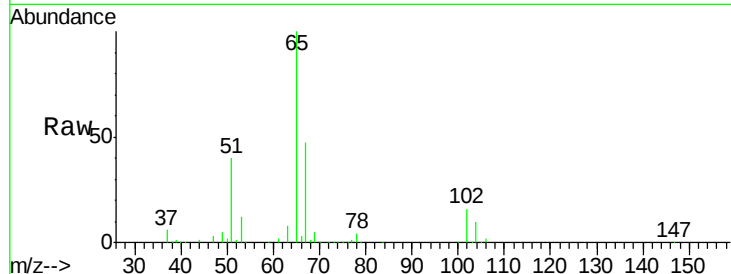
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058159.D
 Acq: 15 Jun 2018 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA2(S)RE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	440323		
67	47.4	0.0	94.0	

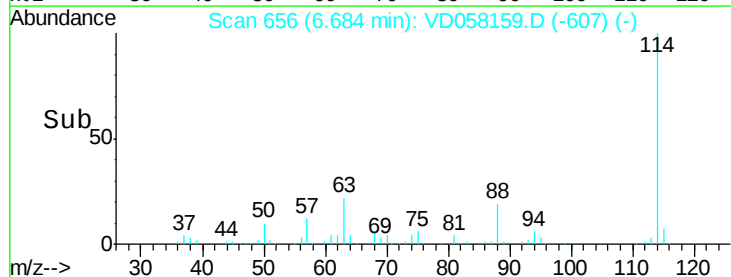
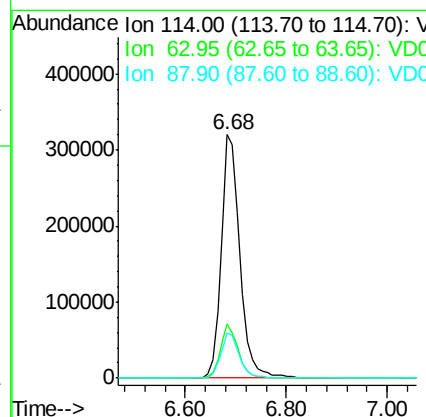
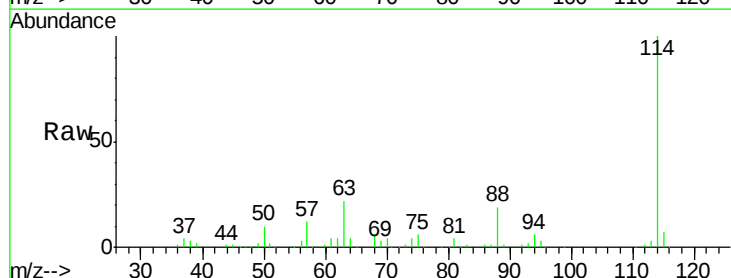
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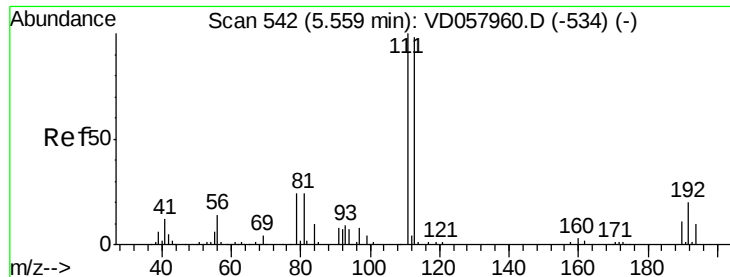
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058159.D
 Acq: 15 Jun 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	831982		
63	22.0	0.0	42.8	
88	18.6	0.0	37.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l m

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

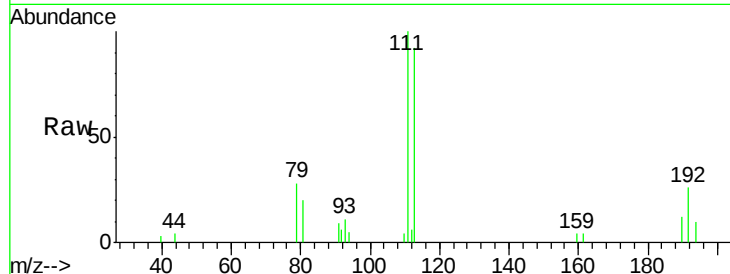
ClientSampleId :

AREA2(S)RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	108.3	81.5	122.3
192	28.1	16.4	24.6

Manual Integrations
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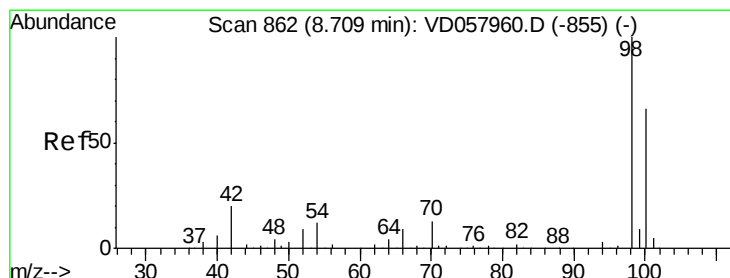
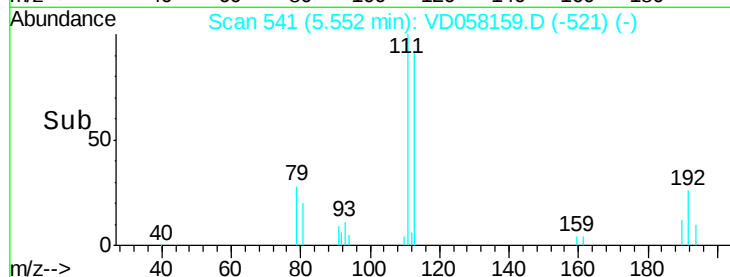
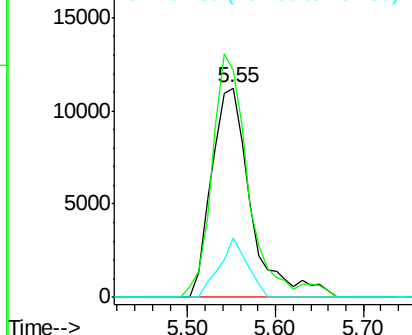
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

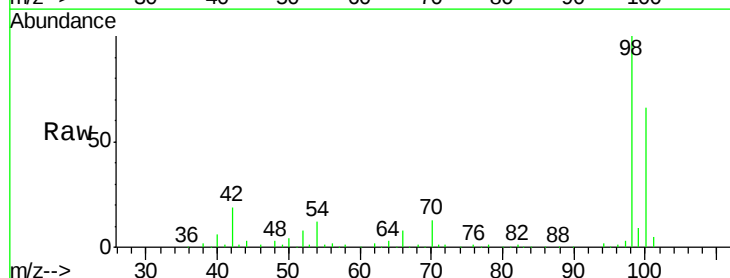
RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058159.D

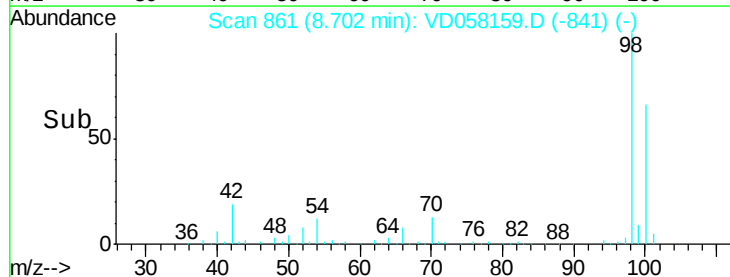
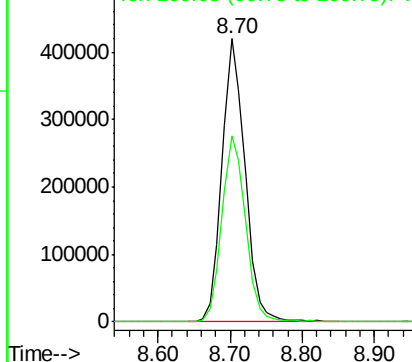
Acq: 15 Jun 2018 18:31

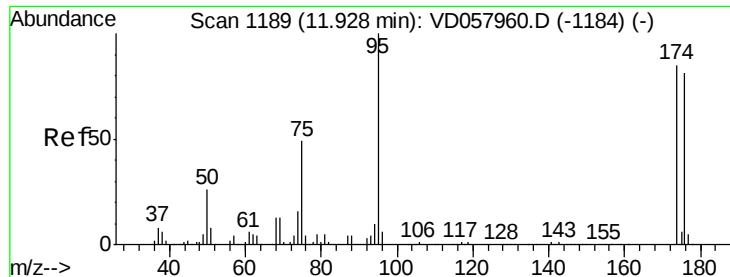
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

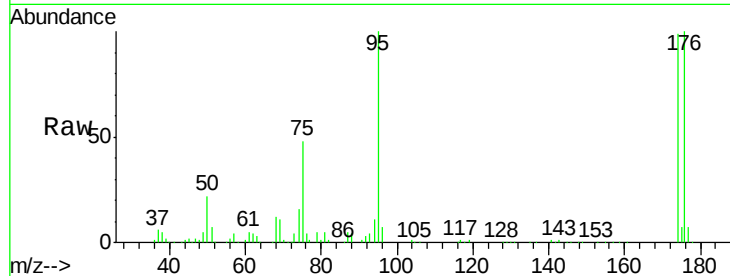
ClientSampleId :

AREA2(S)RE

Tot Ion:	95	Resp:	337446
Ion Ratio	Lower	Upper	
95	100		
174	98.5	0.0	169.4
176	99.9	0.0	162.6

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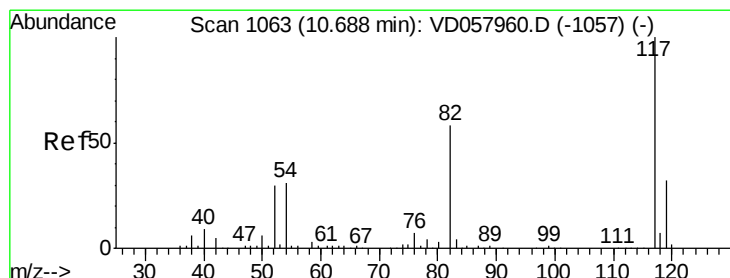
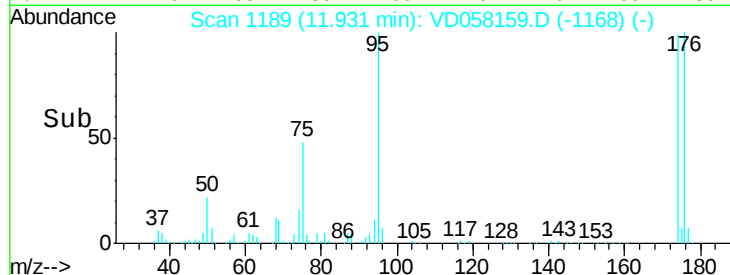
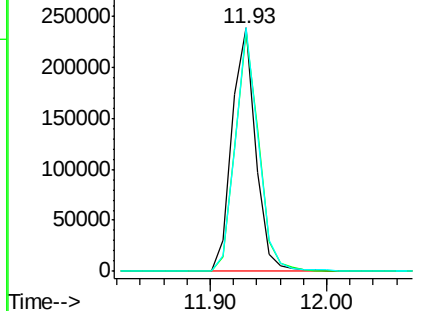
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Abundance Ion 95.00 (94.70 to 95.70): V

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

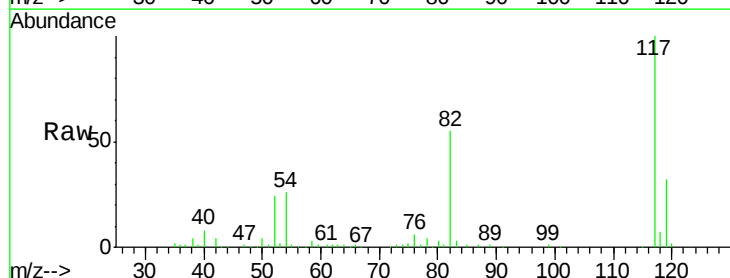
RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

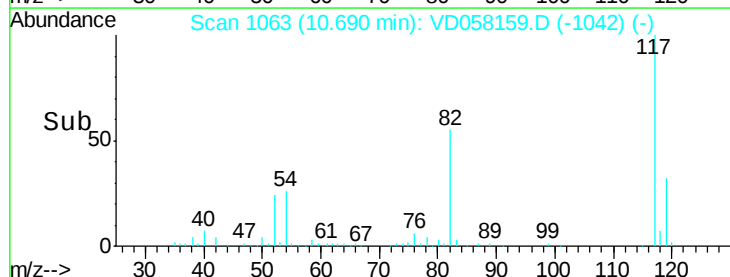
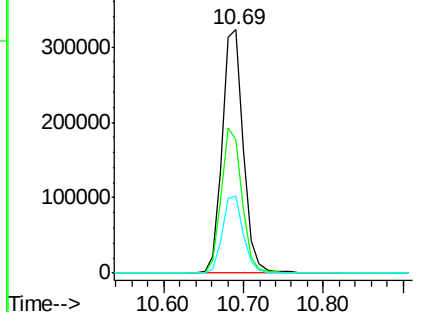
Tgt Ion:	117	Resp:	607625
Ion Ratio	Lower	Upper	
117	100		
82	55.1	46.8	70.2
119	31.7	25.8	38.6

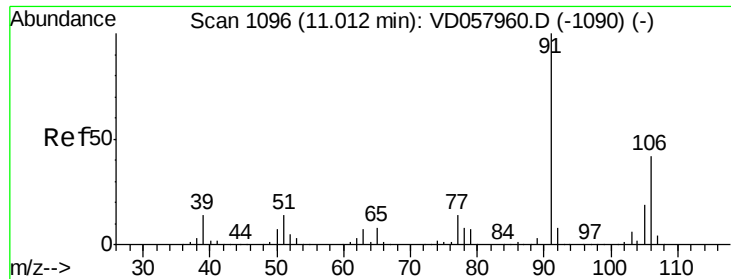


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





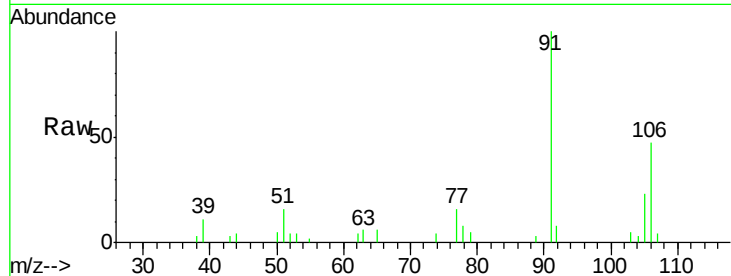
#68
m/p-Xylenes
Concen: 1.773 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Instrument :
MSVOA_D
ClientSampleId :
AREA2(S)RE

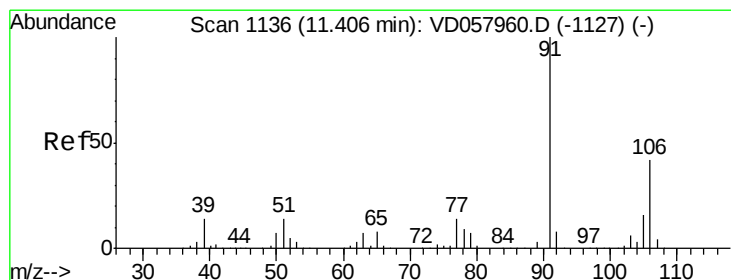
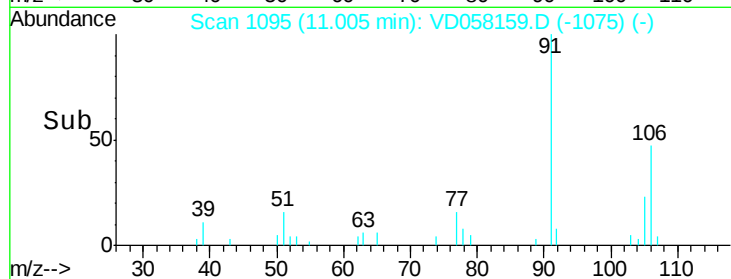
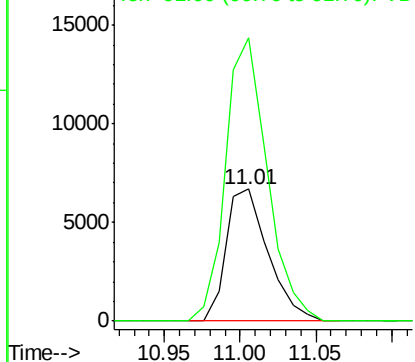
Tot Ion:106 Resp: 12846
Ion Ratio Lower Upper
106 100
91 214.8 190.4 285.6

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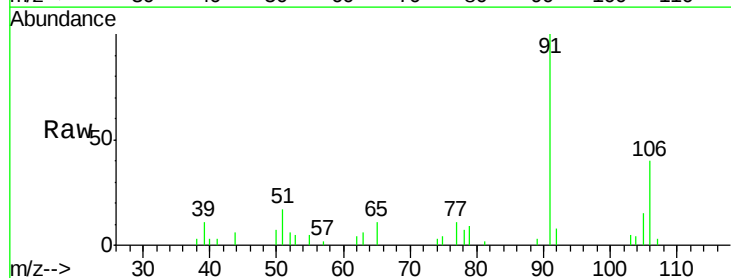


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

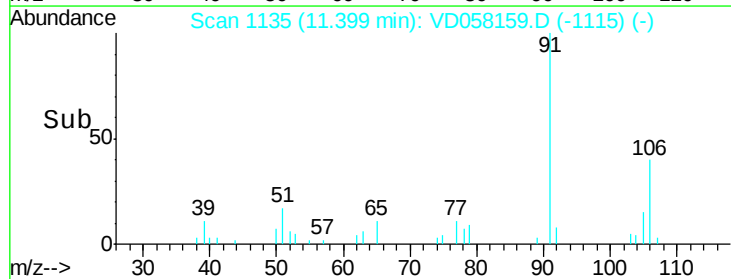
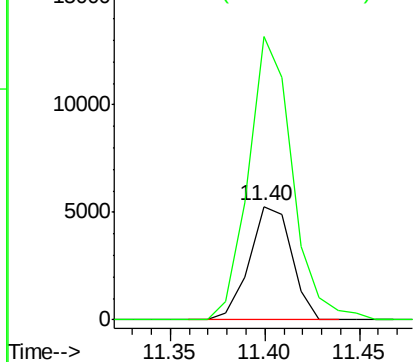


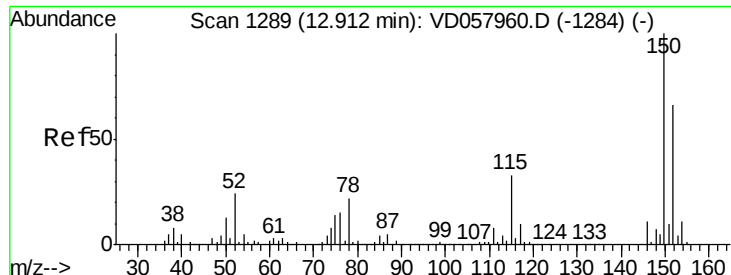
#69
o-Xylene
Concen: 1.133 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058159.D
Acq: 15 Jun 2018 18:31

Tgt Ion:106 Resp: 8146
Ion Ratio Lower Upper
106 100
91 249.6 120.6 361.7



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

AREA2(S)RE

Tot Ion:152 Resp: 240423

Ion Ratio Lower Upper

152 100

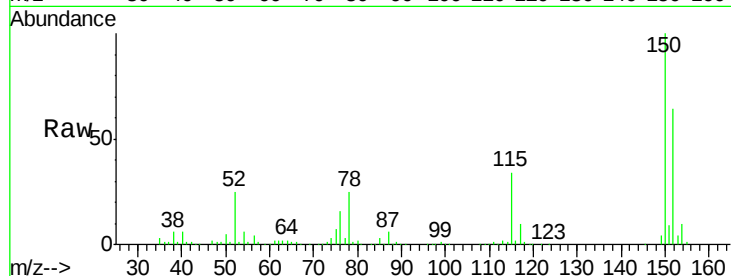
115 53.1 25.6 76.6

150 157.1 0.0 306.8

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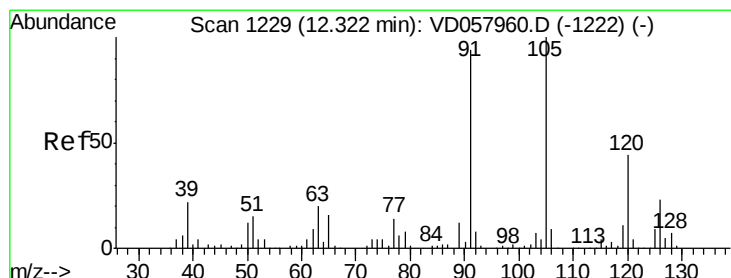
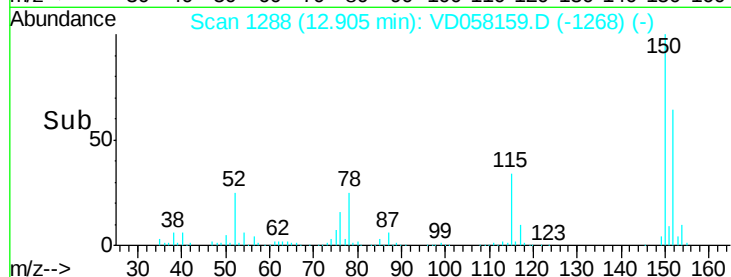
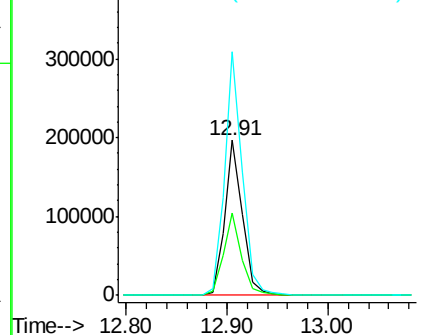
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.616 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058159.D

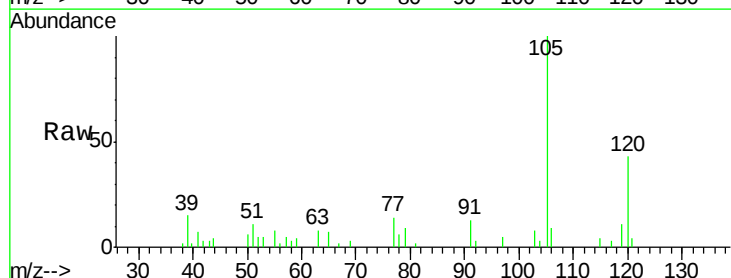
Acq: 15 Jun 2018 18:31

Tgt Ion:105 Resp: 20074

Ion Ratio Lower Upper

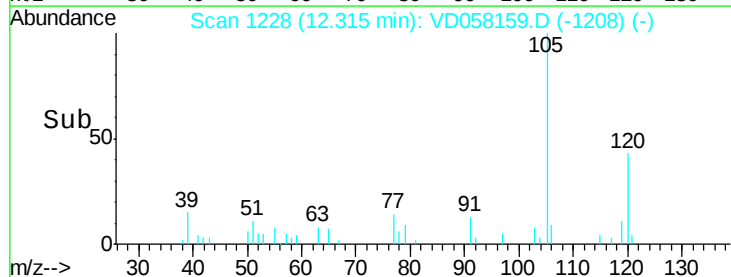
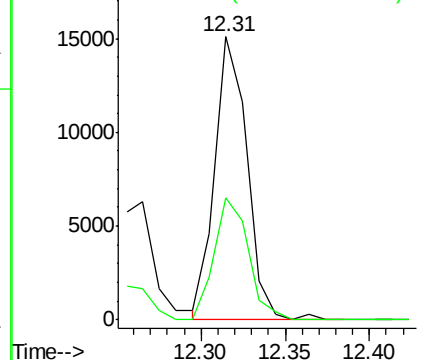
105 100

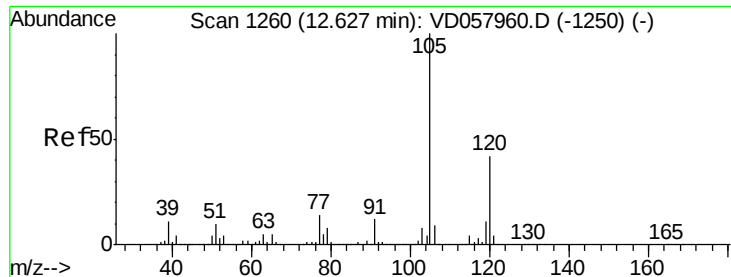
120 43.2 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#84

1,2,4-Trimethylbenzene

Concen: 3.970 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

AREA2(S)RE

Tot Ion:105 Resp: 53009

Ion Ratio Lower Upper

105 100

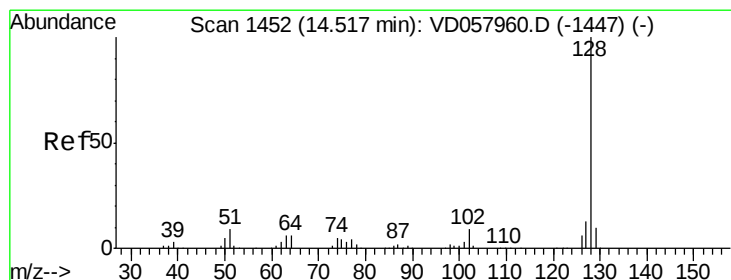
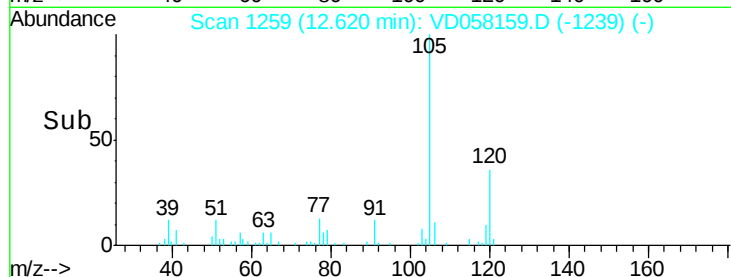
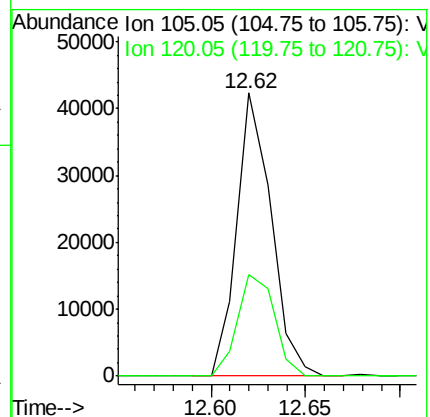
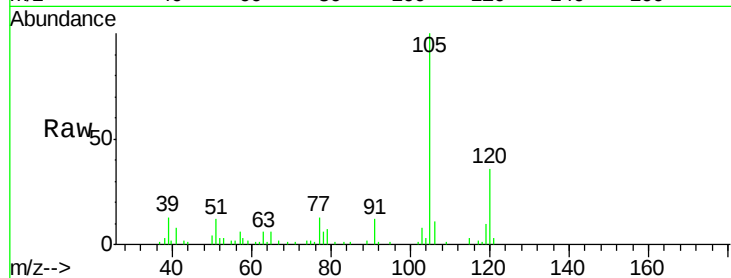
120 35.8 21.2 63.6

Manual Integrations

APPROVED

apatel

6/18/2018 2:07:38 PM



#95

Naphthalene

Concen: 15.772 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058159.D

Acq: 15 Jun 2018 18:31

Tgt Ion:128 Resp: 122425

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.0 8.2 12.2

