

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061436.D
 Acq On : 29 Mar 2019 18:14
 Operator : VA/AP
 Sample : K2112-04RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001RE

Manual Integrations
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MMDadoda
 4/1/2019 4:05:15 AM

Quant Time: Mar 30 02:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	78362	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	149072	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	124621	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	57396	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	61547	91.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	183.88%	
35) Dibromofluoromethane	6.93	113	65793	57.75	ug/l	0.03
Spiked Amount	50.000		Recovery	=	115.50%	
50) Toluene-d8	10.41	98	135055	49.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	13.56	95	71739m	68.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	136.94%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	10018	58.217	ug/l	94
20) Methylene Chloride	3.83	84	12333	11.308	ug/l	87
39) Methylcyclohexane	8.86	83	21187	15.636	ug/l #	71
52) Toluene	10.52	92	32802	16.466	ug/l	93
67) Ethyl Benzene	12.53	91	52232	13.436	ug/l	96
68) m/p-Xylenes	12.66	106	81047	55.038	ug/l	86
69) o-Xylene	13.05	106	67494	47.231	ug/l	93
73) Isopropylbenzene	13.40	105	14375	3.599	ug/l	100
78) n-propylbenzene	13.78	91	30614	6.262	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	87638	28.275	ug/l	100
83) tert-Butylbenzene	14.19	119	5757	1.486	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	119347	35.567	ug/l	100
85) sec-Butylbenzene	14.37	105	20402	4.958	ug/l	97

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

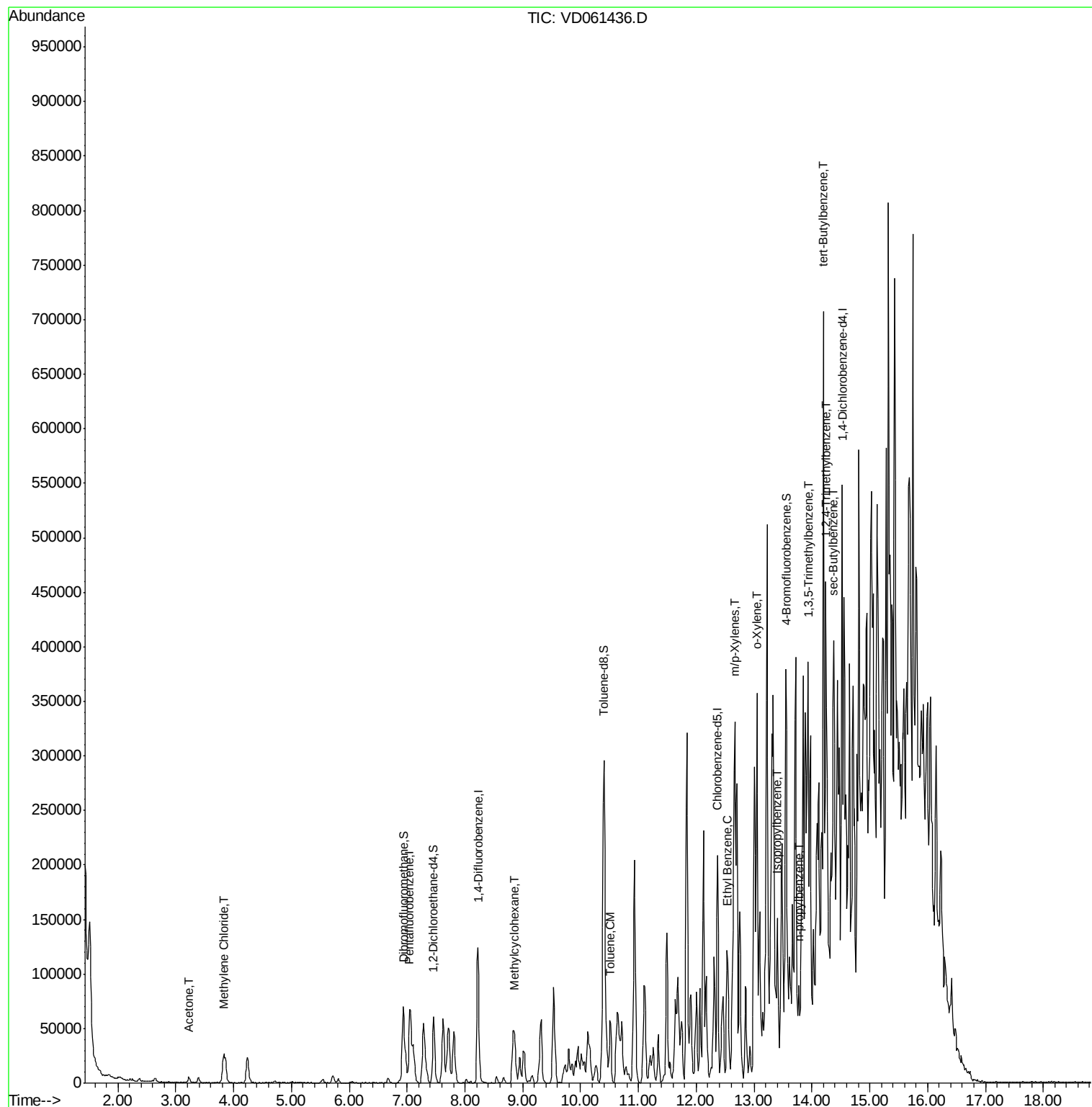
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
Data File : VD061436.D
Acq On : 29 Mar 2019 18:14
Operator : VA/AP
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Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

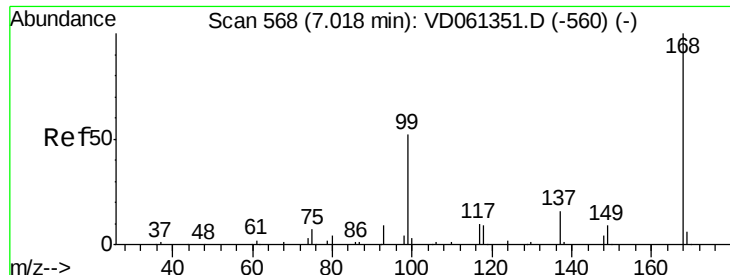
Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001RE

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4/1/2019 4:05:15 AM

Quant Time: Mar 30 02:03:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001RE

Tot Ion:168 Resp: 78362

Ion Ratio Lower Upper

168 100

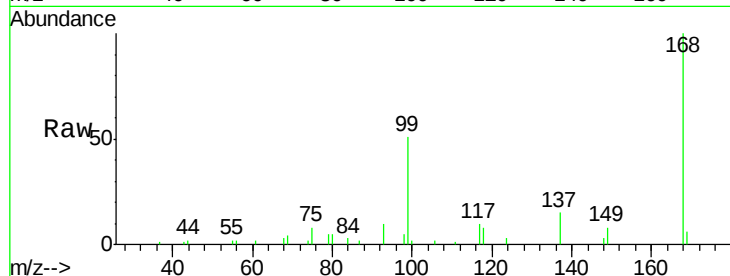
99 51.4 43.1 64.7

Manual Integrations

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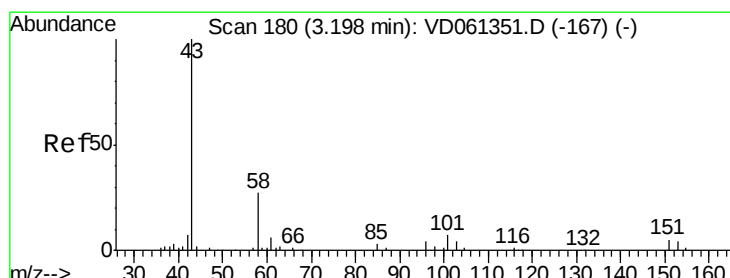
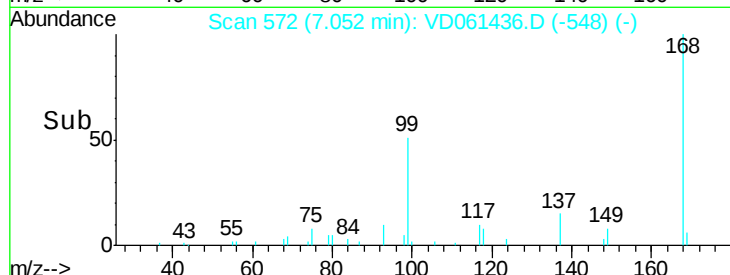


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time-->



#16

Acetone

Concen: 58.217 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061436.D

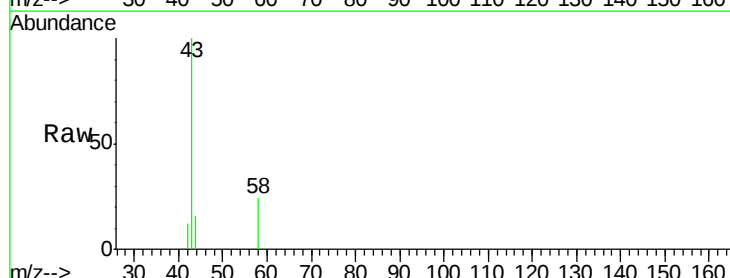
Acq: 29 Mar 2019 18:14

Tgt Ion: 43 Resp: 10018

Ion Ratio Lower Upper

43 100

58 23.6 21.5 32.3

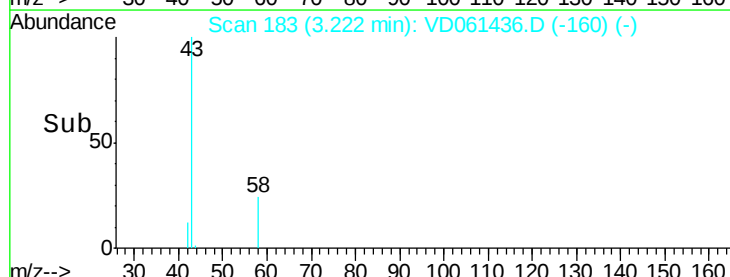


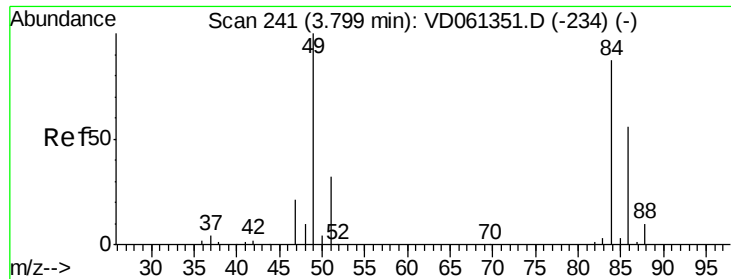
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

Time-->





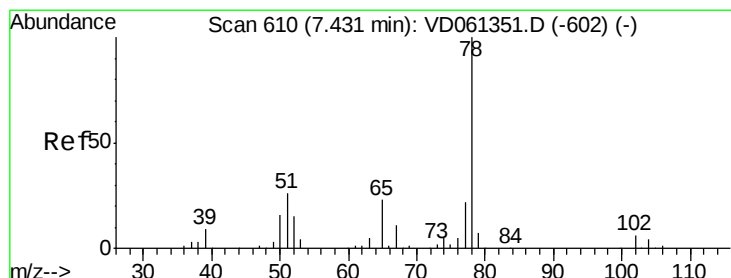
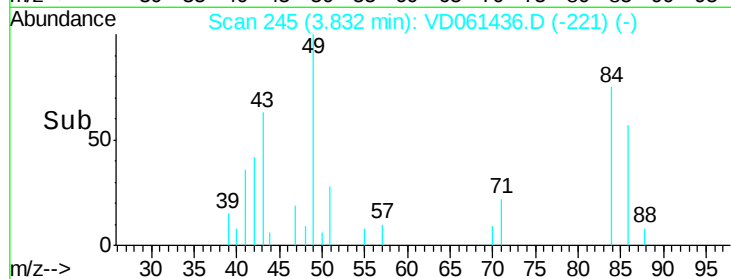
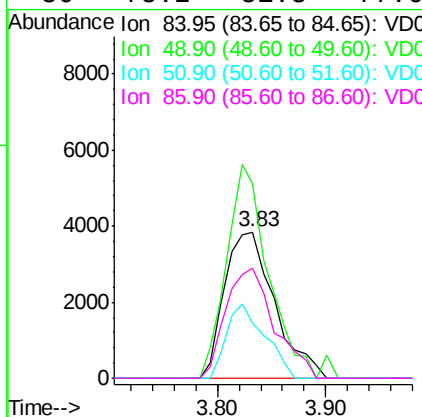
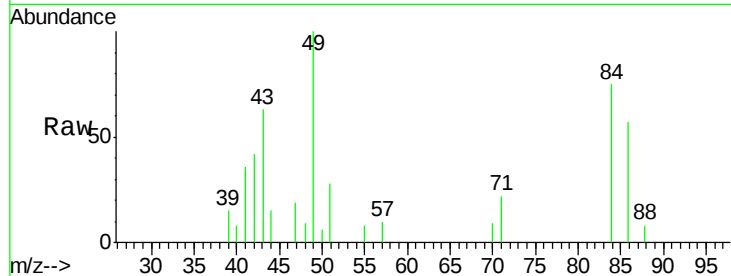
#20
Methvlene Chloride
Concen: 11.308 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001RE

Tot Ion:	84	Resp:	12333
Ion	Ratio	Lower	Upper
84	100		
49	132.8	91.8	137.8
51	37.4	29.8	44.8
86	75.2	51.8	77.6

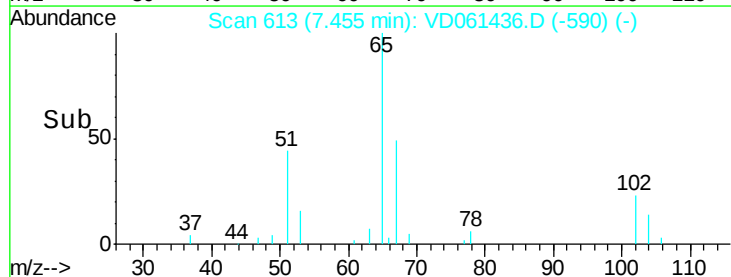
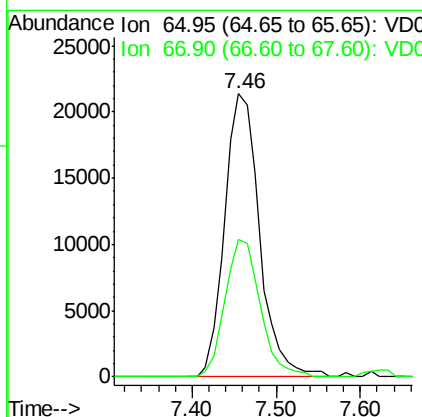
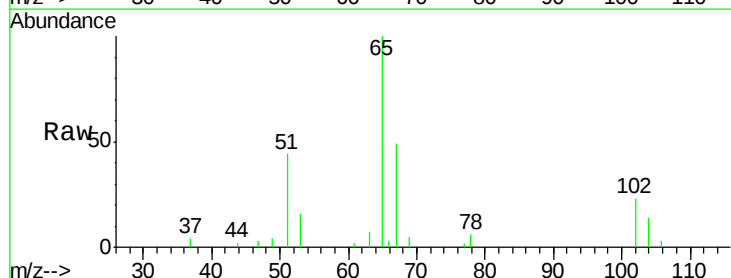
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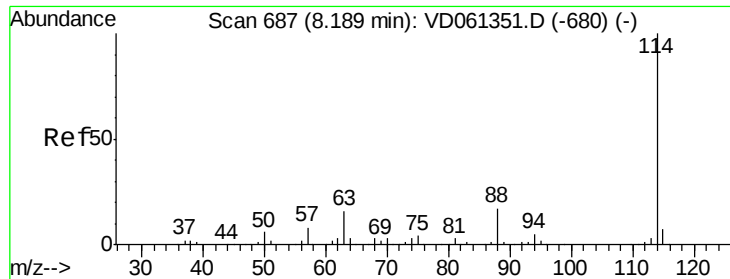
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#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion:	65	Resp:	61547
Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.8





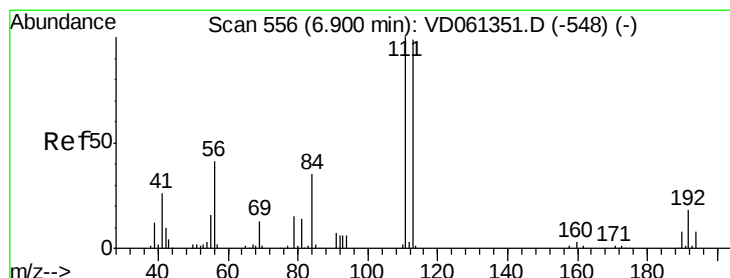
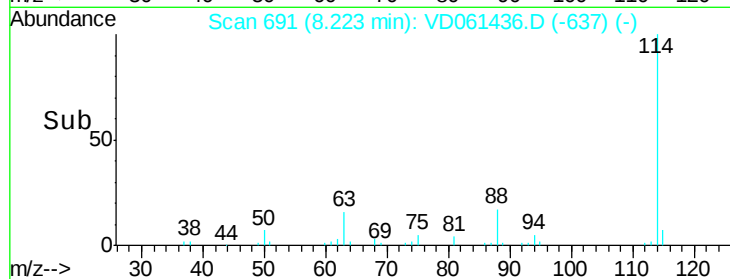
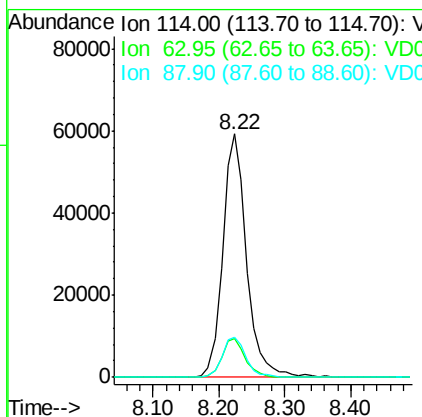
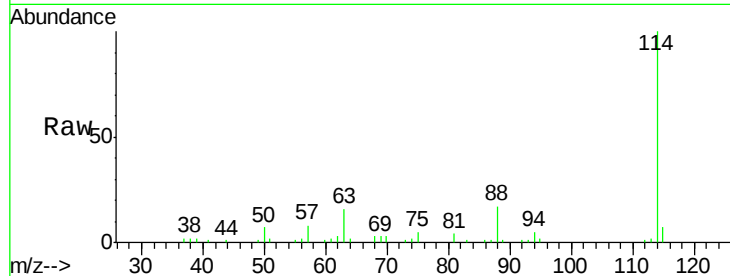
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001RE

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	15.9	0.0	31.6
88	16.6	0.0	33.4

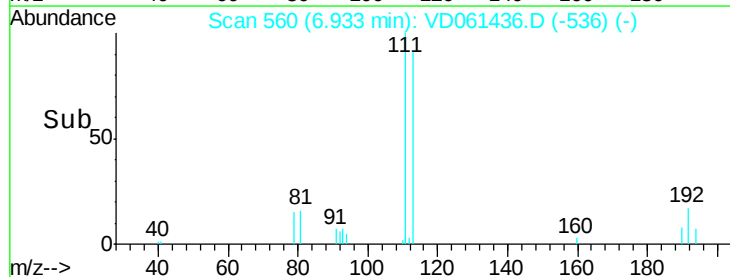
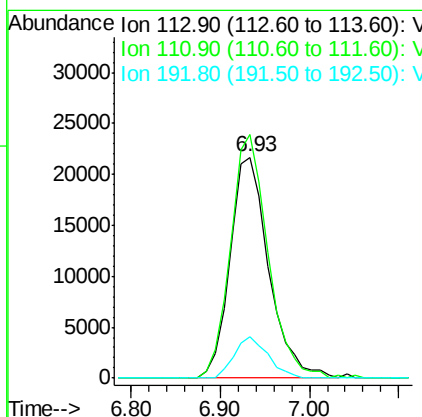
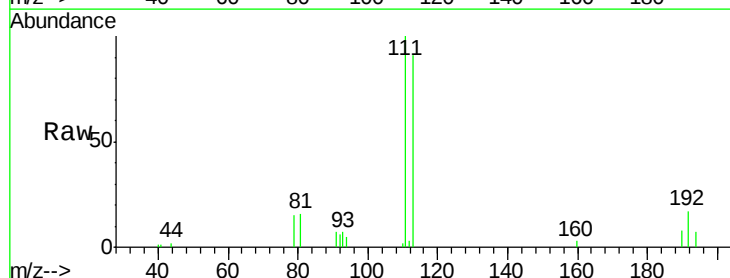
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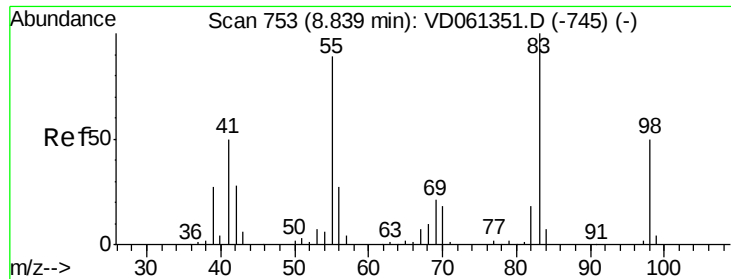
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	110.2	81.0	121.6
192	19.0	14.4	21.6





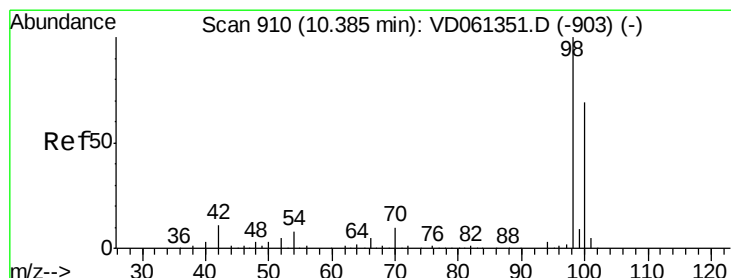
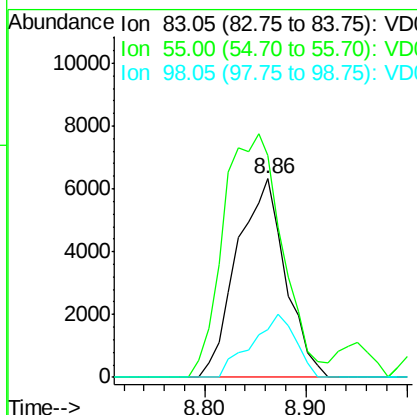
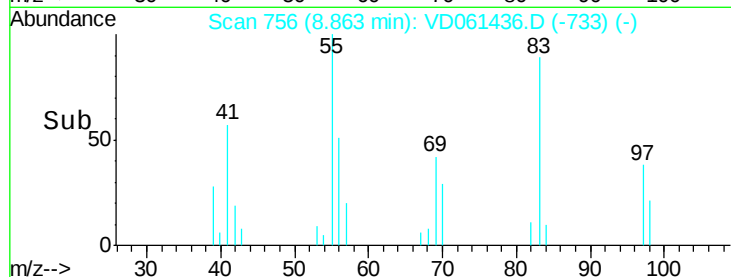
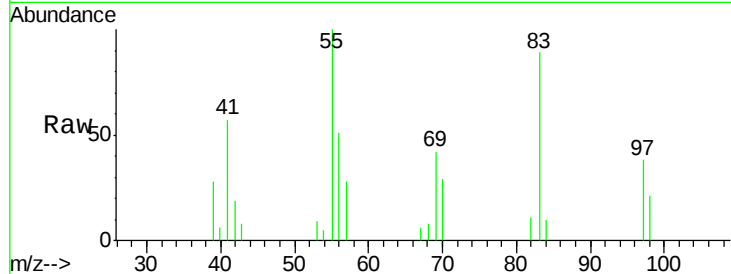
#39
Methvlcvclohexane
Concen: 15.636 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001RE

Tot Ion: 83 Resp: 21187
Ion Ratio Lower Upper
83 100
55 111.8 71.5 107.3#
98 23.9 40.3 60.5#

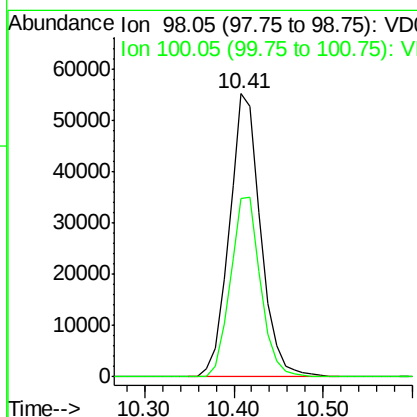
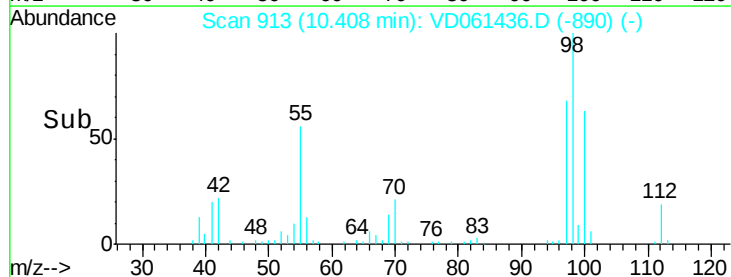
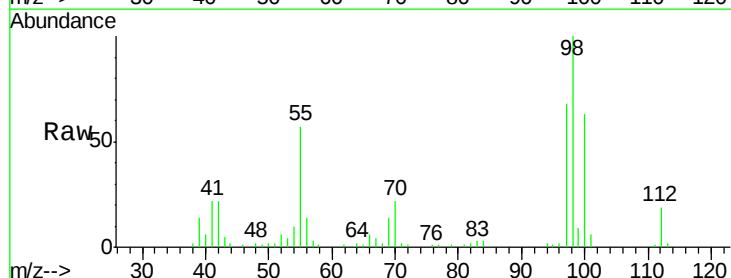
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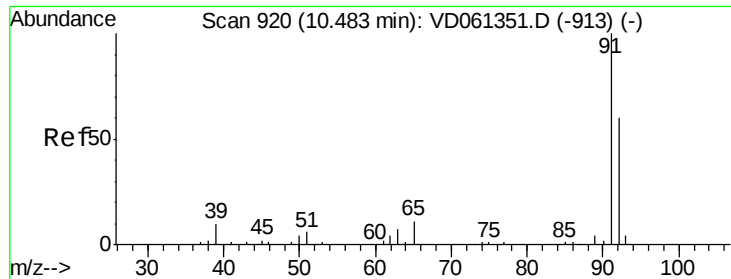
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 98 Resp: 135055
Ion Ratio Lower Upper
98 100
100 63.1 56.2 84.2





#52

Toluene

Concen: 16.466 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001RE

Tot Ion: 92 Resp: 32802

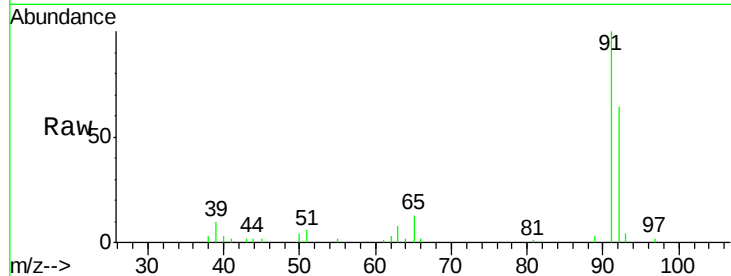
Ion Ratio Lower Upper

92 100

91 156.7 133.3 199.9

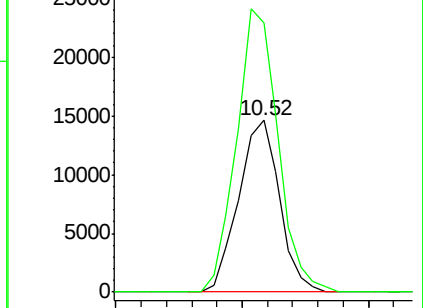
Manual Integrations
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4/1/2019 4:05:15 AM

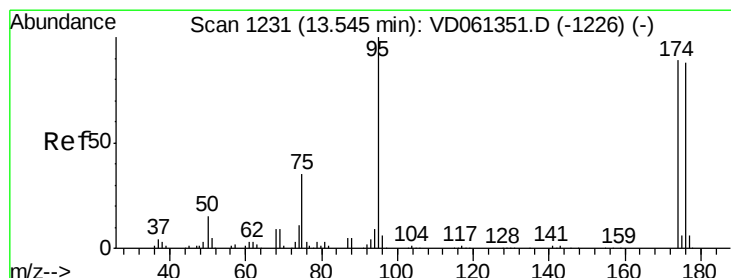
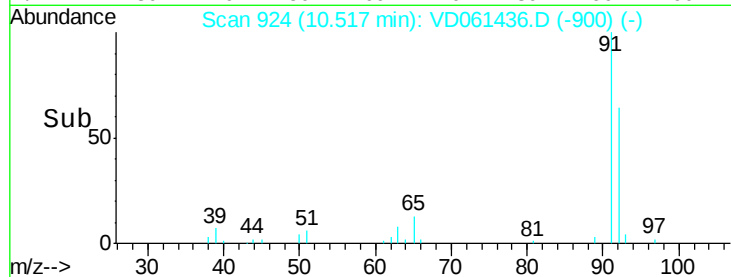


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time--> 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l m

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

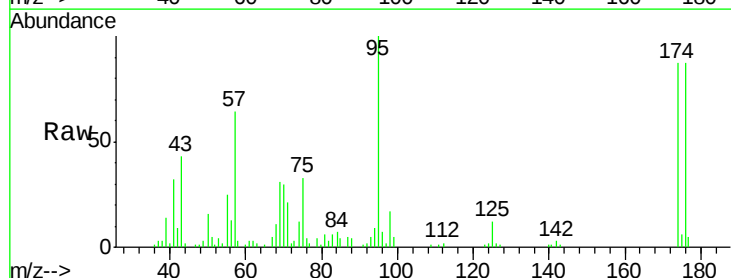
Tgt Ion: 95 Resp: 71739

Ion Ratio Lower Upper

95 100

174 86.6 0.0 178.0

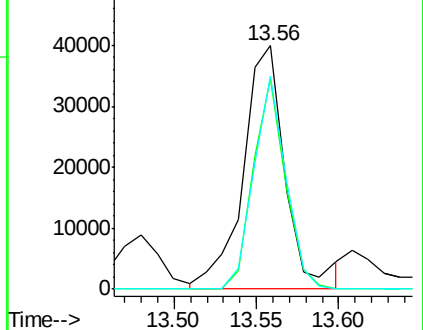
176 87.2 0.0 175.0



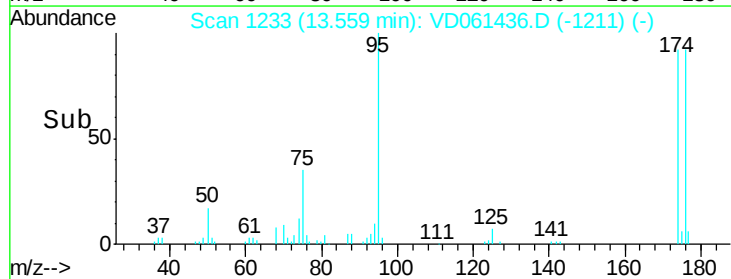
Abundance Ion 95.00 (94.70 to 95.70): VDC

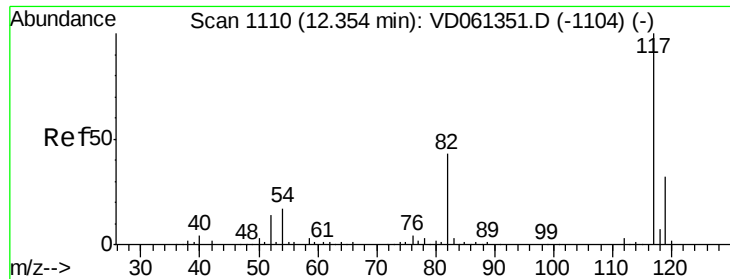
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time--> 13.50 13.55 13.60





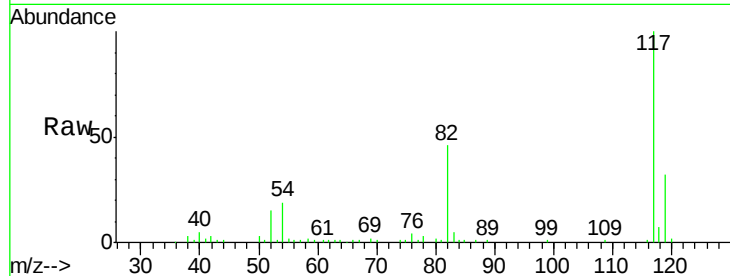
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001RE

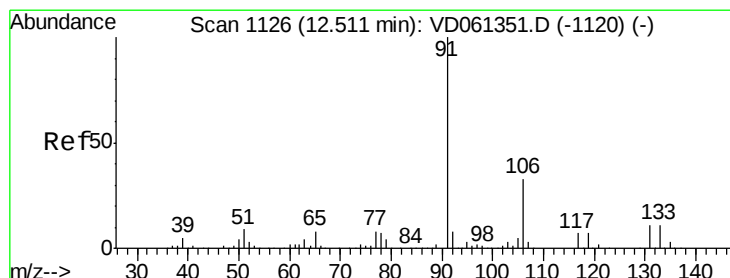
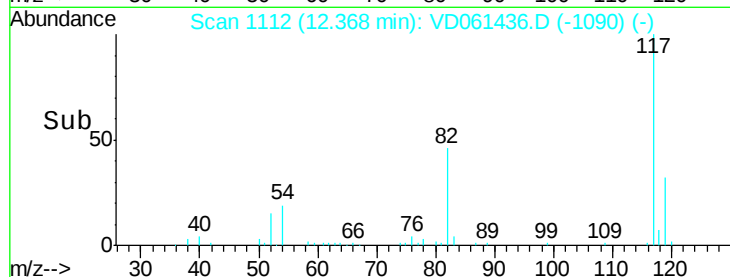
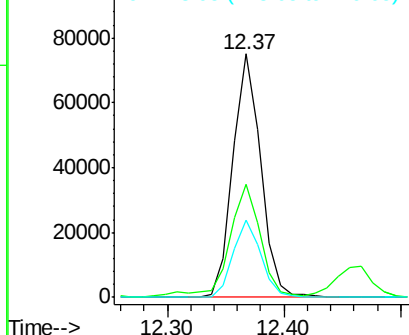
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.4	34.4	51.6
119	31.6	25.8	38.6

Manual Integrations
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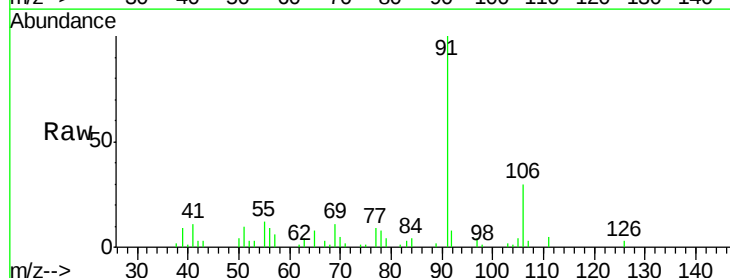


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

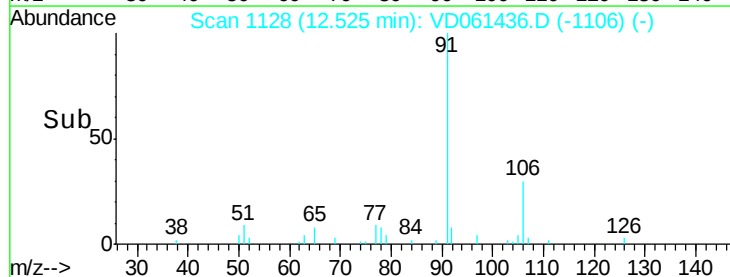
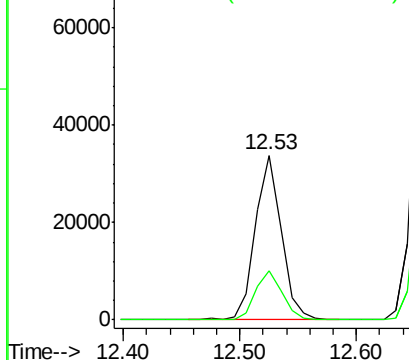


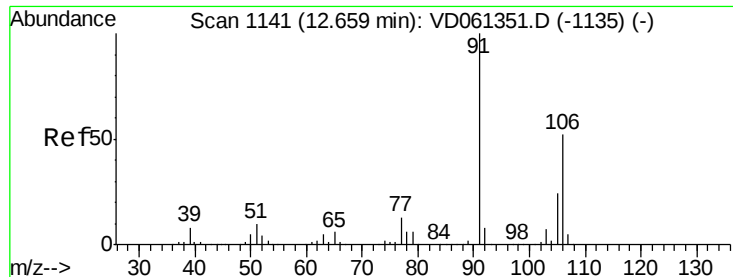
#67
Ethyl Benzene
Concen: 13.436 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	26.1	39.1



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





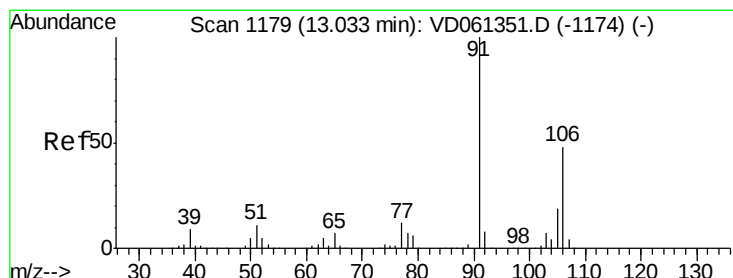
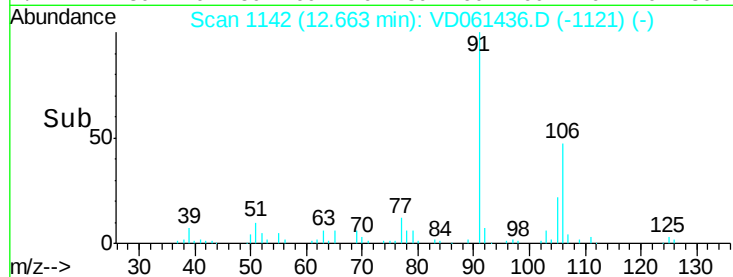
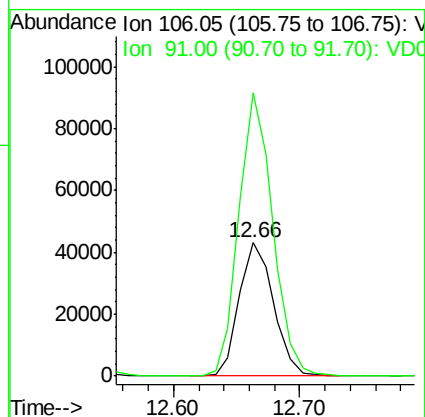
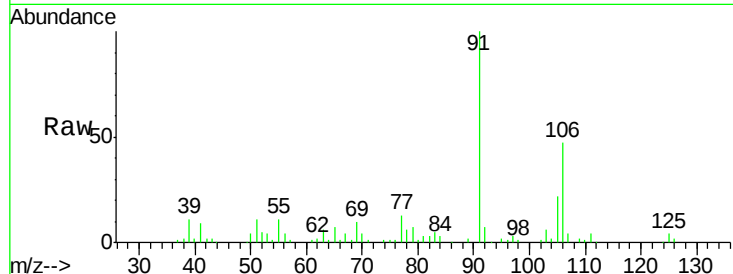
#68
m/p-Xylenes
Concen: 55.038 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001RE

Tot Ion:106 Resp: 81047
Ion Ratio Lower Upper
106 100
91 211.9 153.1 229.7

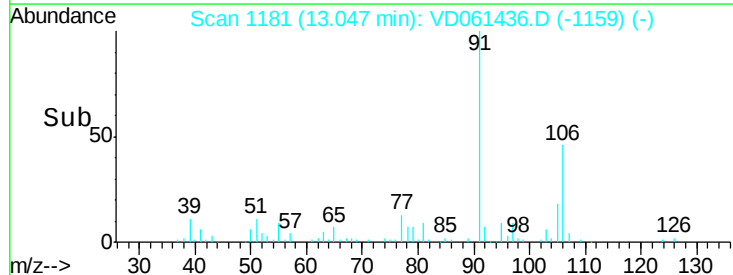
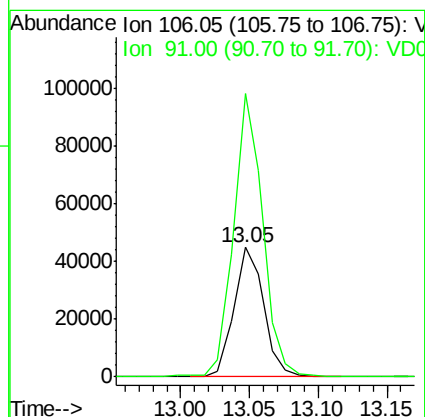
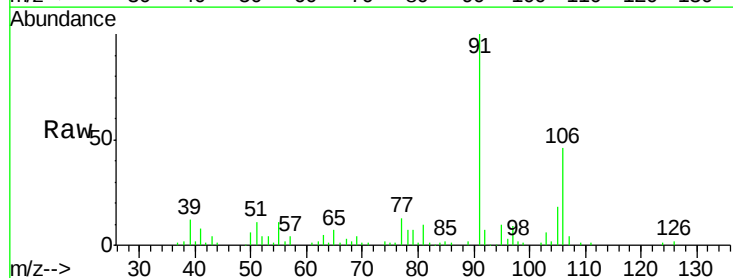
Manual Integrations
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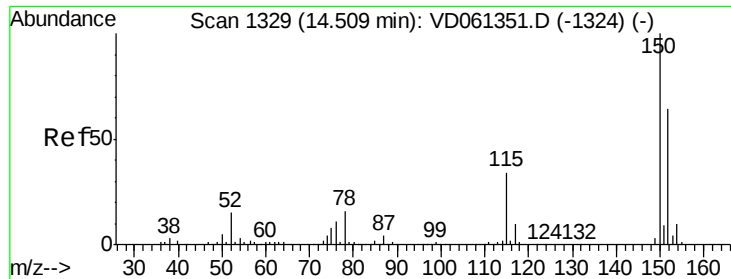
MMDadoda
4/1/2019 4:05:15 AM



#69
o-Xylene
Concen: 47.231 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion:106 Resp: 67494
Ion Ratio Lower Upper
106 100
91 218.4 103.8 311.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001RE

Tot Ion:152 Resp: 57396

Ion Ratio Lower Upper

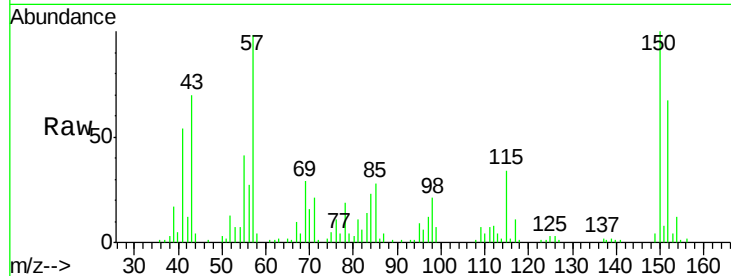
152 100

115 50.5 26.9 80.6

150 148.6 0.0 318.0

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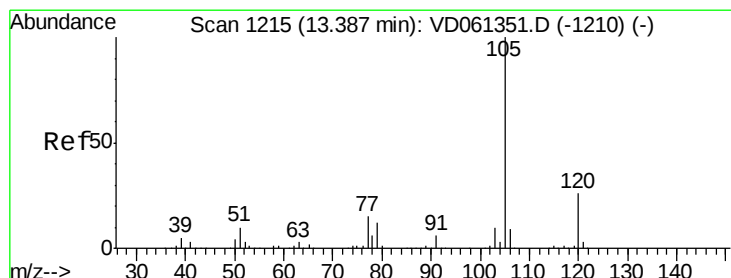
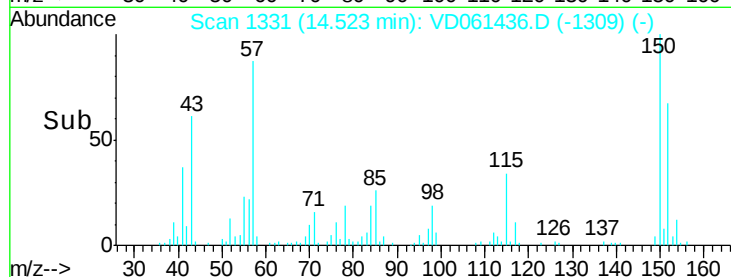
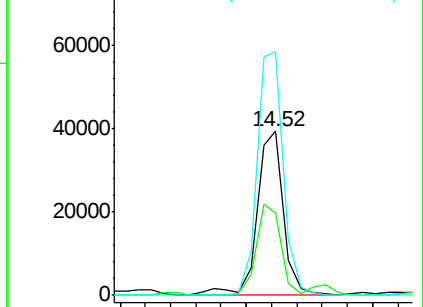
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.599 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061436.D

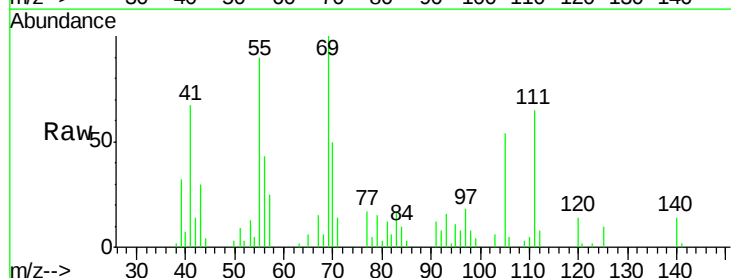
Acq: 29 Mar 2019 18:14

Tgt Ion:105 Resp: 14375

Ion Ratio Lower Upper

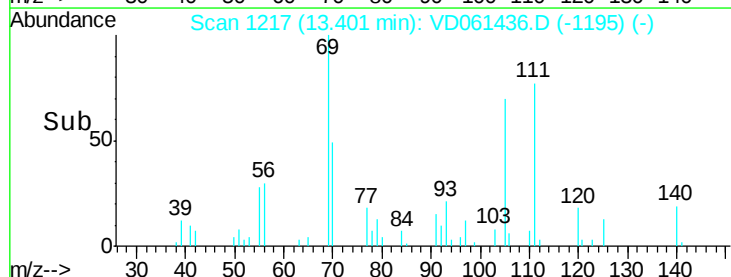
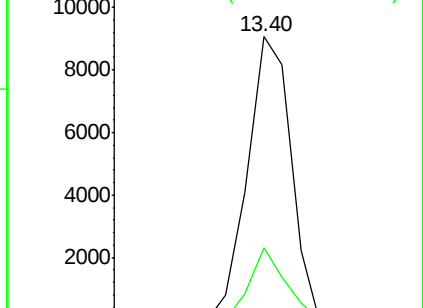
105 100

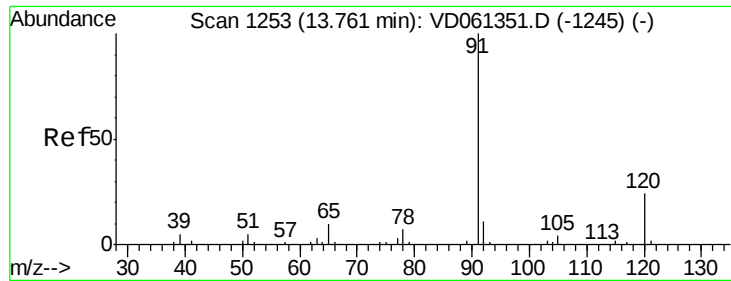
120 25.3 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 6.262 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001RE

Tot Ion: 91 Resp: 30614

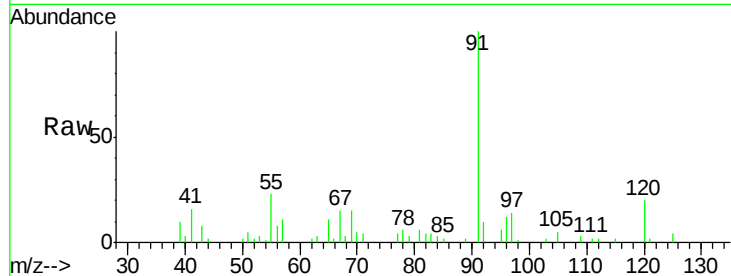
Ion Ratio Lower Upper

91 100

120 20.3 11.8 35.3

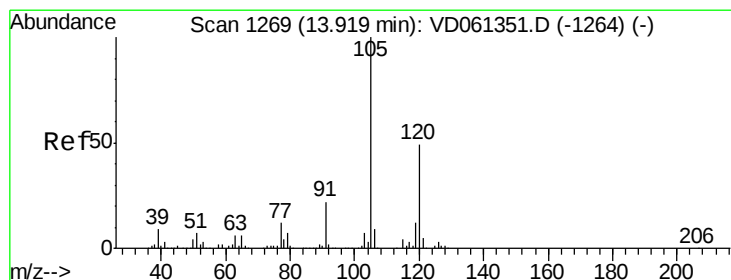
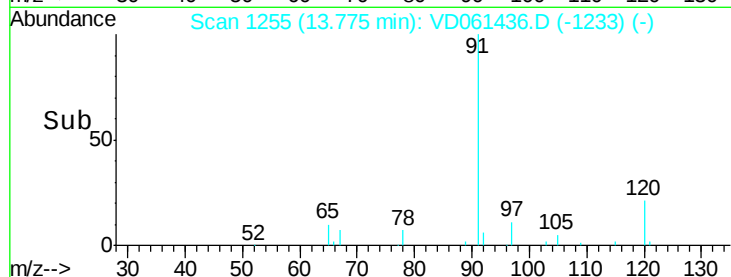
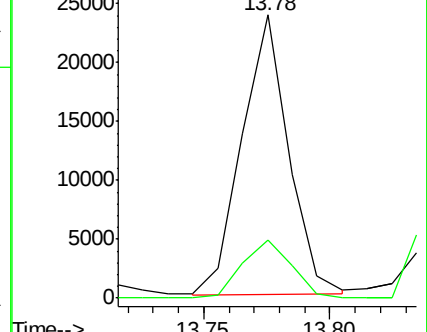
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Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1245) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1245) (-)



#80

1,3,5-Trimethylbenzene

Concen: 28.275 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061436.D

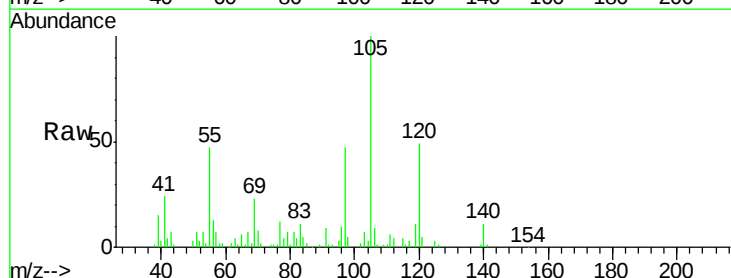
Acq: 29 Mar 2019 18:14

Tgt Ion: 105 Resp: 87638

Ion Ratio Lower Upper

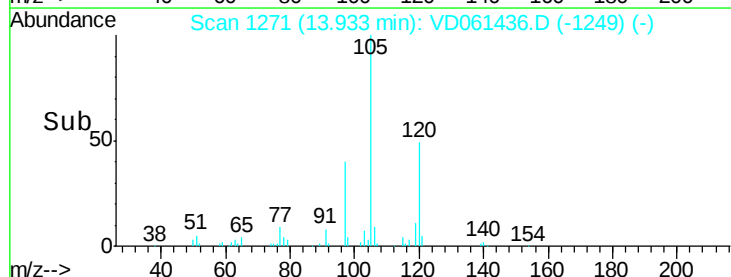
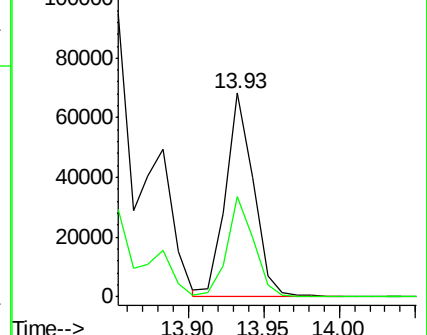
105 100

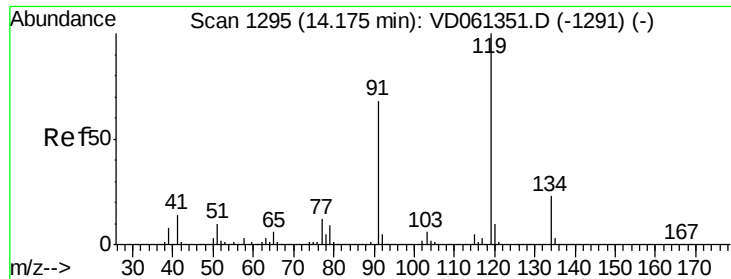
120 49.0 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





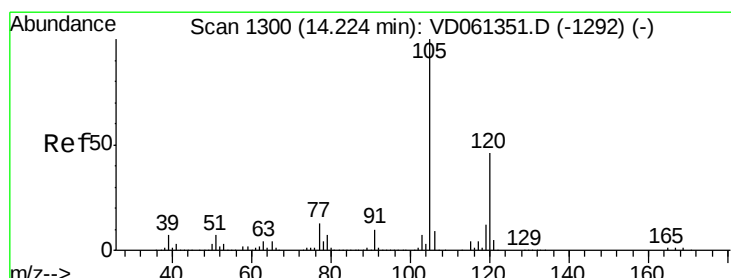
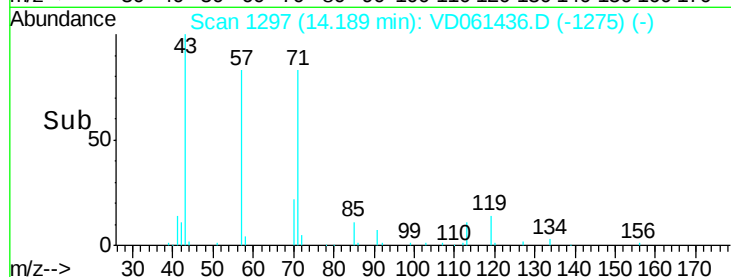
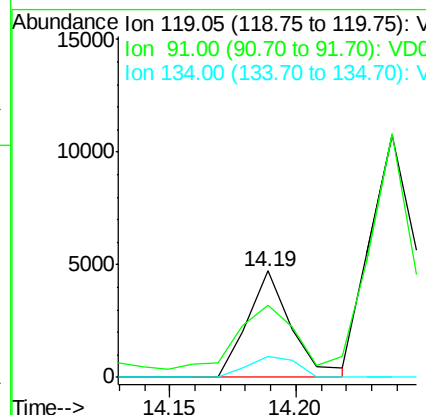
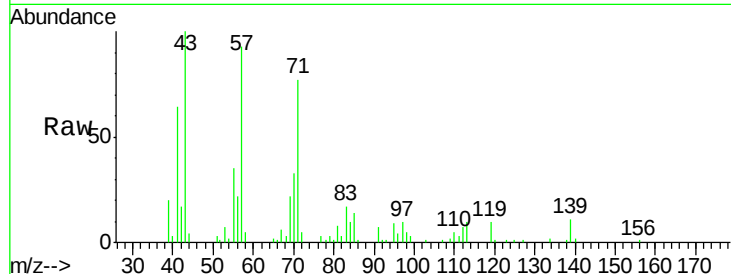
#83
 tert-Butylbenzene
 Concen: 1.486 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001RE

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.1	102.3
134	19.8	11.6	34.8

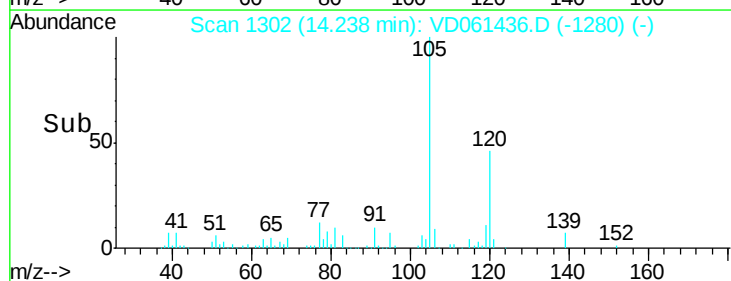
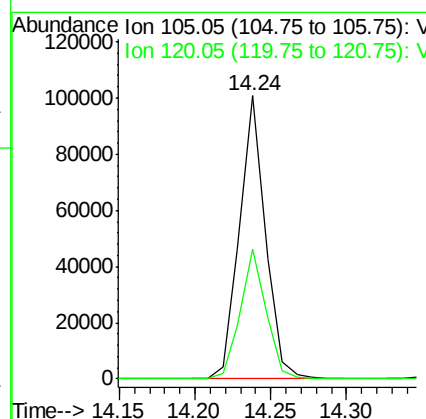
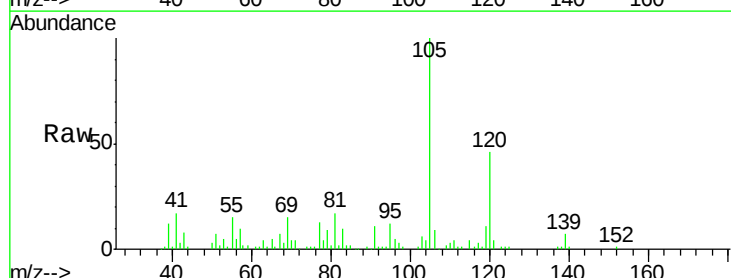
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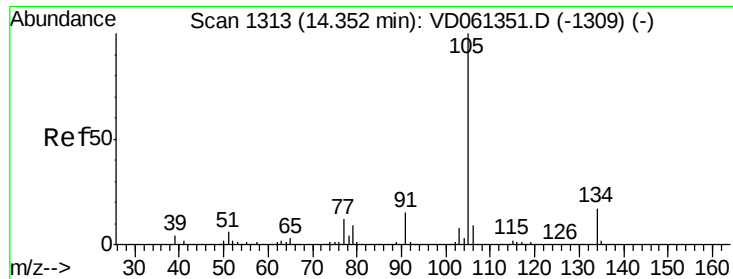
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 4/1/2019 4:05:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 35.567 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





#85
 sec-Butylbenzene
 Concen: 4.958 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001RE

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	8.7	26.1

Manual Integrations
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 4/1/2019 4:05:15 AM

