

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD052219\
 Data File : VD062507.D
 Acq On : 22 May 2019 17:15
 Operator : VA/AP
 Sample : K2996-06
 Misc : 5.23g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7(0.5-1.0)

Manual Integrations
 APPROVED

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 5/23/2019 11:21:32 AM

Quant Time: May 24 01:48:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	367076	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	519984	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	389684	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	126758	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	157771	40.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.30%	
35) Dibromofluoromethane	6.91	113	134668	28.71	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	57.42%	
50) Toluene-d8	10.39	98	376205	36.65	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	73.30%	
62) 4-Bromofluorobenzene	13.54	95	133402	29.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	59.42%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	41650	59.151	ug/l #	79
17) Carbon Disulfide	3.37	76	9406	1.142	ug/l #	91
31) Cyclohexane	6.96	56	75090	20.240	ug/l #	49
39) Methylcyclohexane	8.86	83	57123	13.931	ug/l	94
40) Benzene	7.44	78	87263	8.949	ug/l	95
52) Toluene	10.50	92	3107116	465.436	ug/l	100
67) Ethyl Benzene	12.52	91	1154510	89.444	ug/l	98
68) m/p-Xylenes	12.65	106	1797094	387.864	ug/l	94
69) o-Xylene	13.04	106	437896	100.167	ug/l	88
73) Isopropylbenzene	13.39	105	209835	26.262	ug/l	97
78) n-propylbenzene	13.77	91	327007	35.333	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	466051	67.366	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1463713	206.480	ug/l	97
85) sec-Butylbenzene	14.36	105	29308m	3.663	ug/l	
86) p-Isopropyltoluene	14.48	119	12420m	1.713	ug/l	
89) n-Butylbenzene	14.79	91	41164m	5.882	ug/l	
95) Naphthalene	16.12	128	725541	198.132	ug/l	99

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

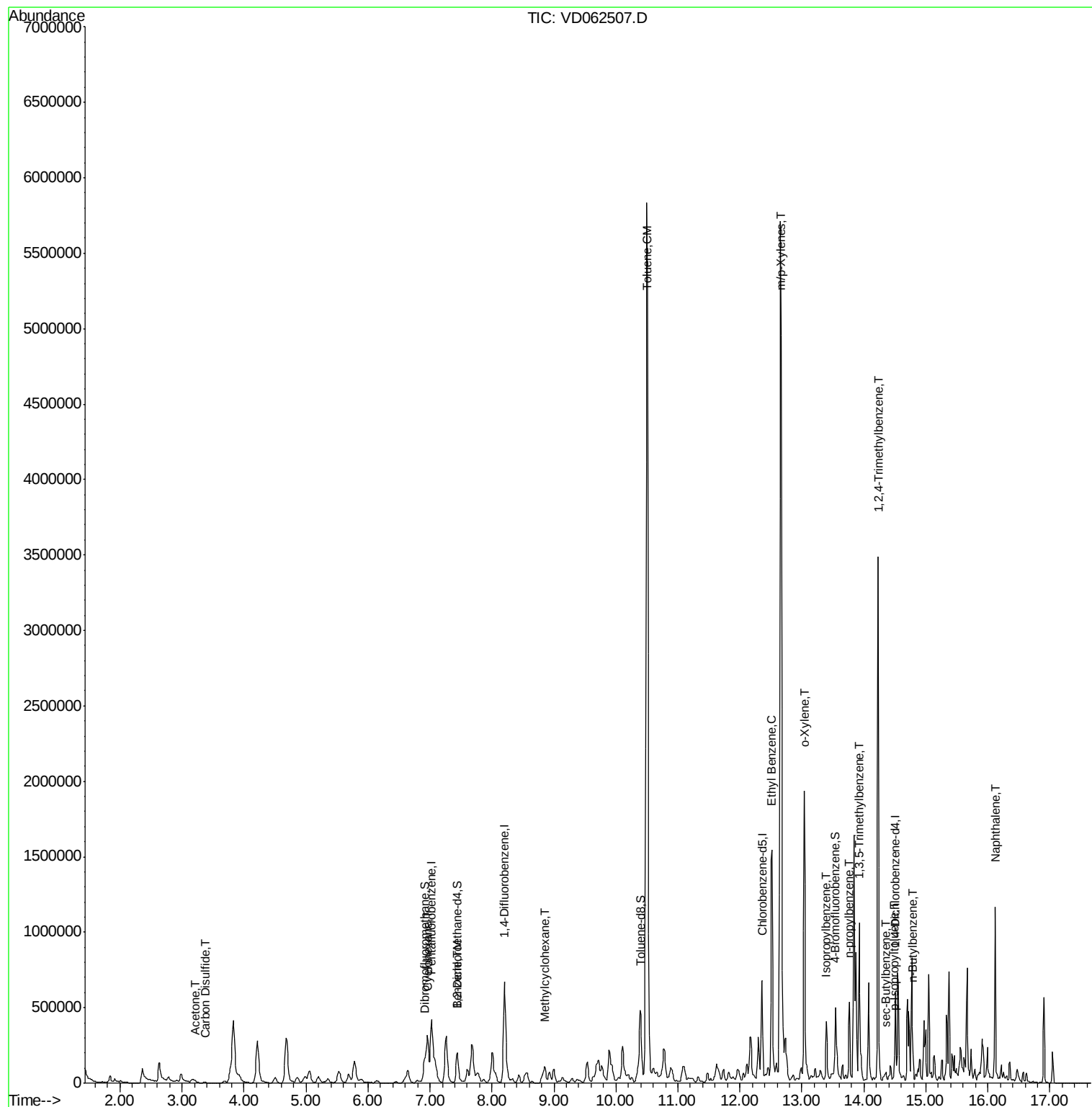
Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD052219\
Data File : VD062507.D
Acq On : 22 May 2019 17:15
Operator : VA/AP
Sample : K2996-06
Misc : 5.23g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

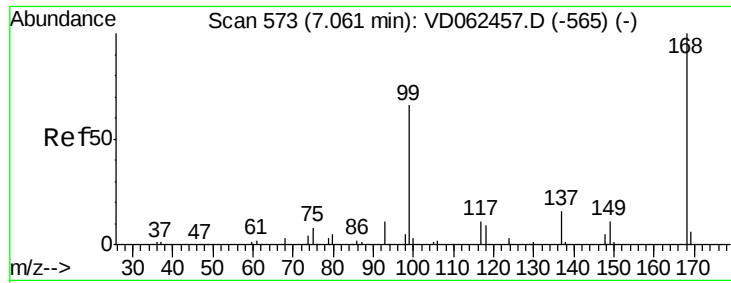
Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

Manual Integrations
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Quant Time: May 24 01:48:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampled :

P-7(0.5-1.0)

Tot Ion:168 Resp: 367076

Ion Ratio Lower Upper

168 100

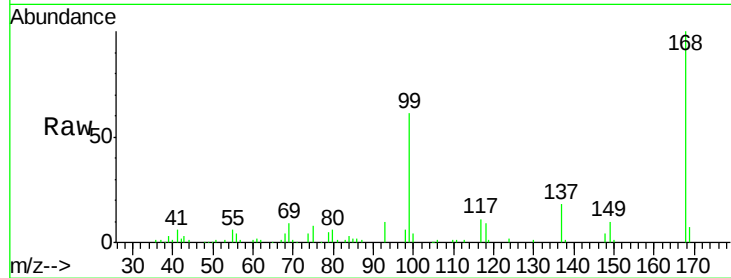
99 61.2 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

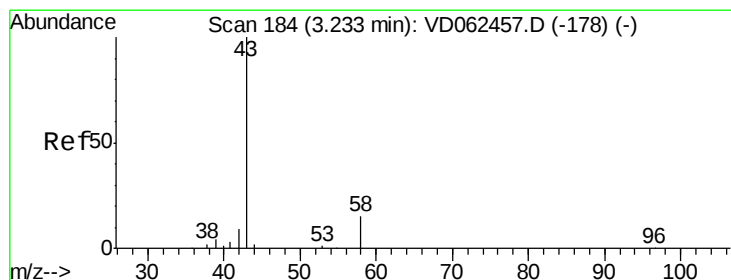
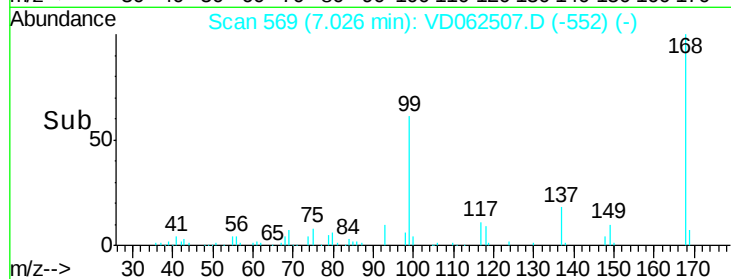
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#16

Acetone

Concen: 59.151 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD062507.D

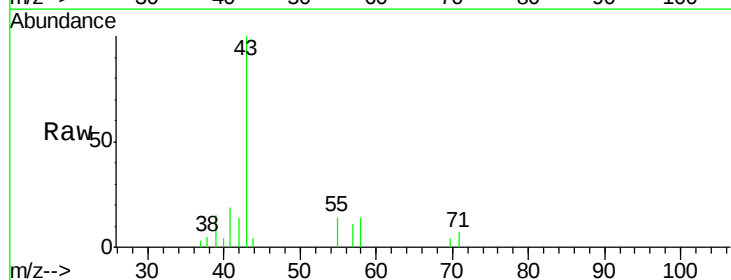
Acq: 22 May 2019 17:15

Tgt Ion: 43 Resp: 41650

Ion Ratio Lower Upper

43 100

58 14.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

10000

8000

6000

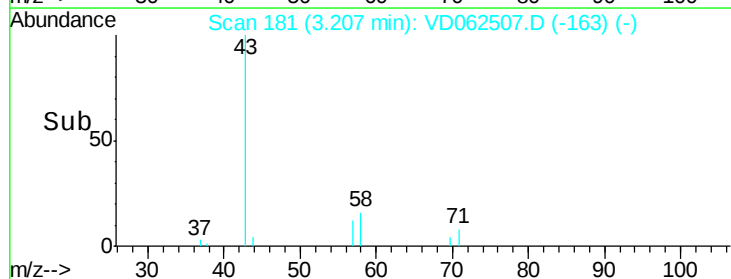
4000

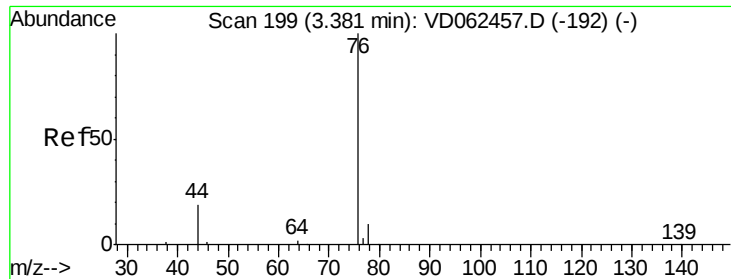
2000

0

3.00 3.10 3.20 3.30 3.40

Time-->





#17

Carbon Disulfide

Concen: 1.142 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)

Tot Ion: 76 Resp: 9406

Ion Ratio Lower Upper

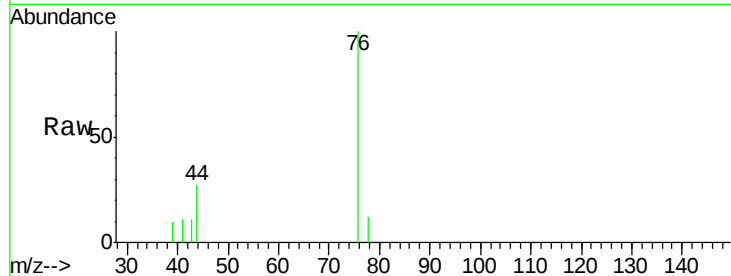
76 100

78 12.2 7.2 10.8#

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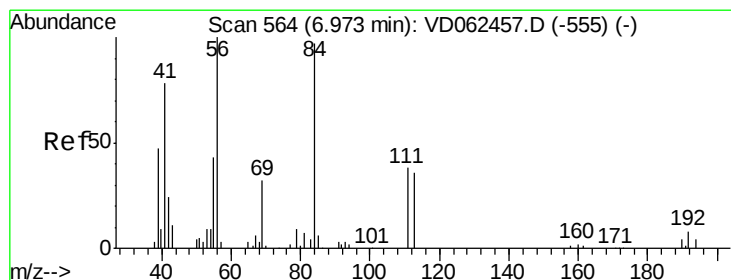
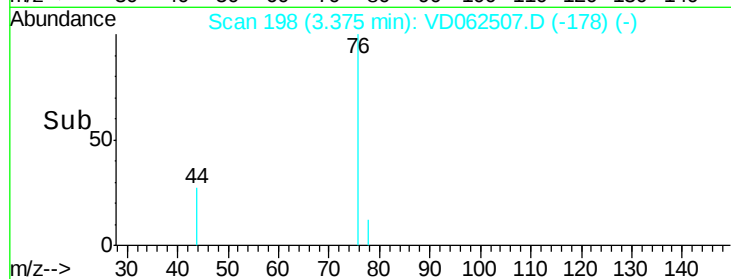
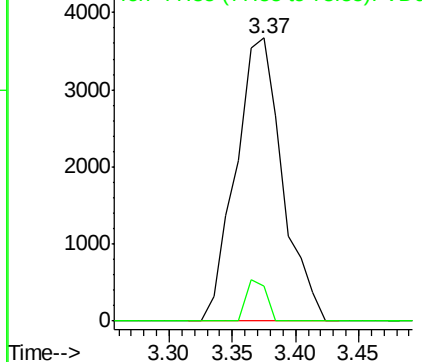
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#31

Cyclohexane

Concen: 20.240 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

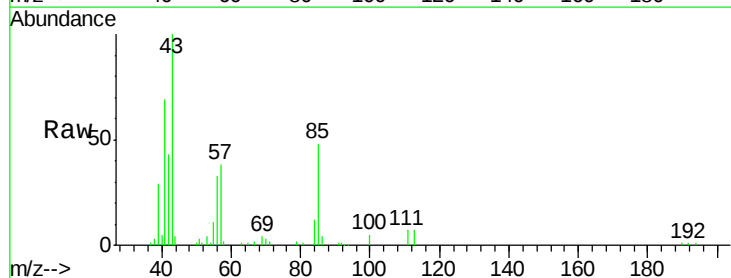
Tgt Ion: 56 Resp: 75090

Ion Ratio Lower Upper

56 100

69 11.7 25.8 38.6#

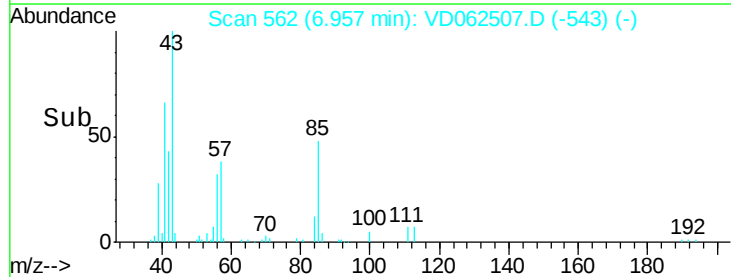
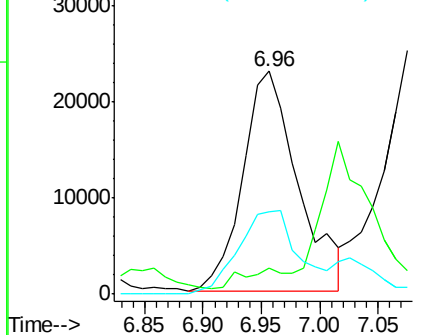
84 37.1 72.2 108.4#

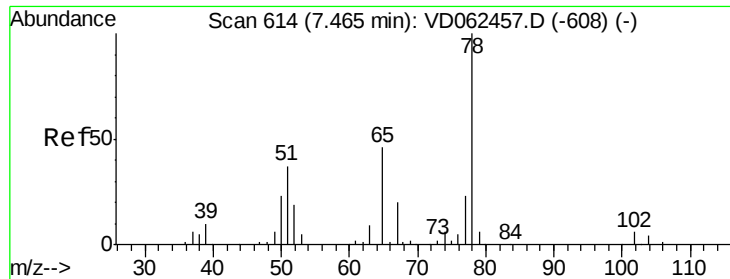


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





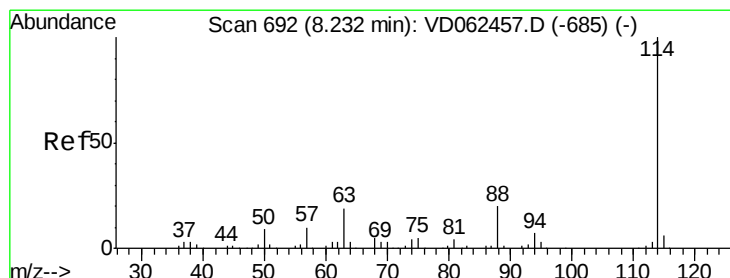
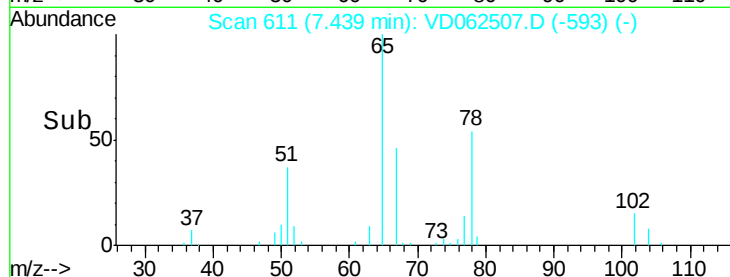
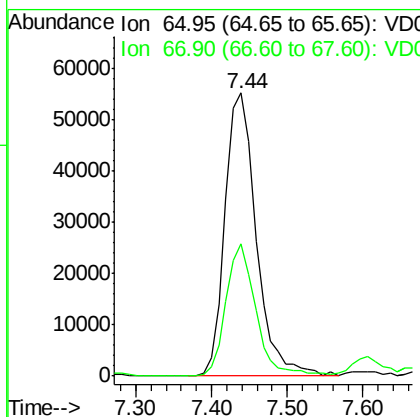
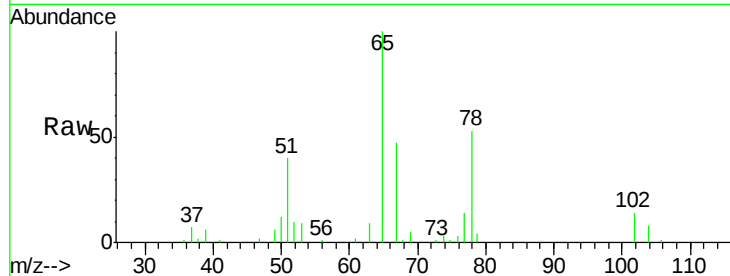
#33
 1,2-Dichloroethane-d4
 Concen: 40.152 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Instrument :
 MSVOA_D
 ClientSampleId :
 P-7(0.5-1.0)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157771		
67	46.6	0.0	98.0	

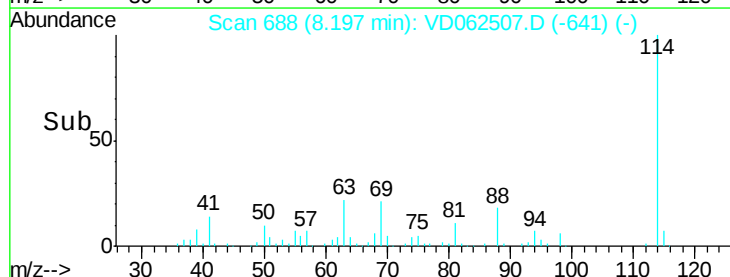
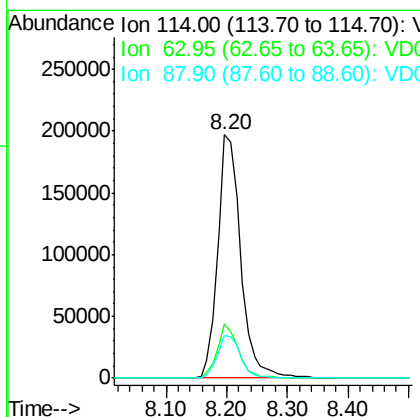
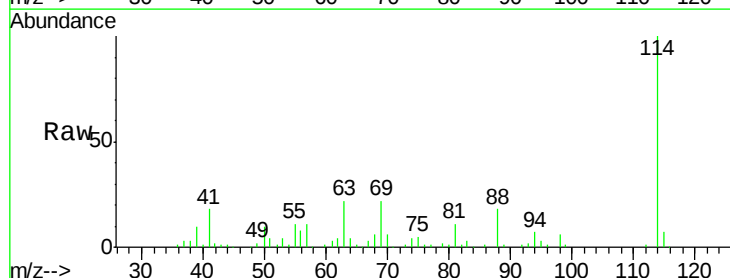
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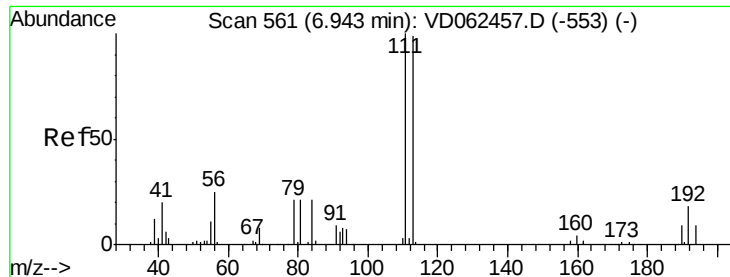
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.04 min
 Lab File: VD062507.D
 Acq: 22 May 2019 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	519984		
63	22.5	0.0	32.4	
88	17.5	0.0	33.6	





#35

Dibromofluoromethane

Concen: 28.708 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)

Tot Ion:113 Resp: 134668

Ion Ratio Lower Upper

113 100

111 99.1 78.5 117.7

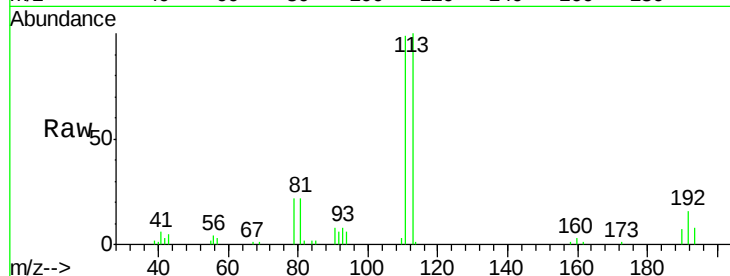
192 16.1 13.0 19.4

Manual Integrations

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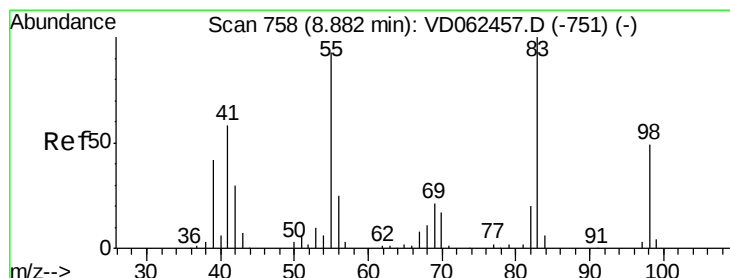
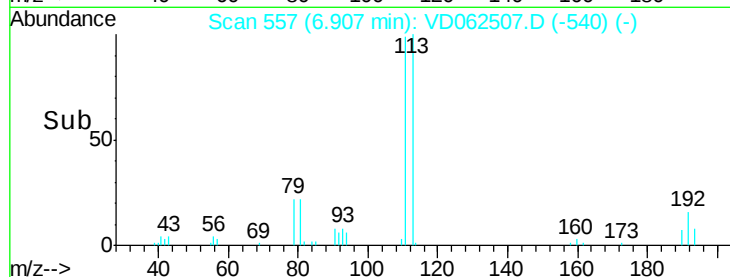
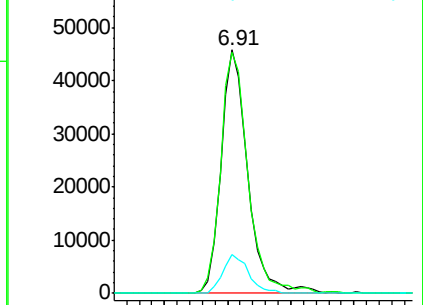
5/23/2019 11:21:32 AM



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



#39

Methylcyclohexane

Concen: 13.931 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

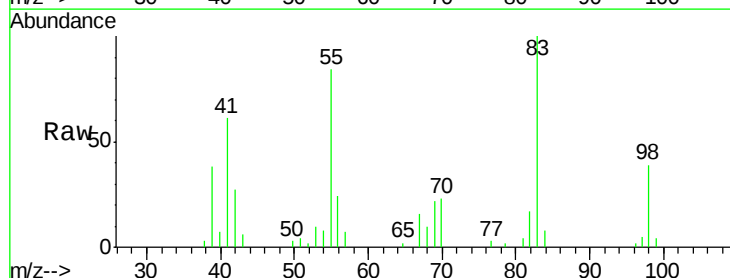
Tgt Ion: 83 Resp: 57123

Ion Ratio Lower Upper

83 100

55 83.7 68.2 102.4

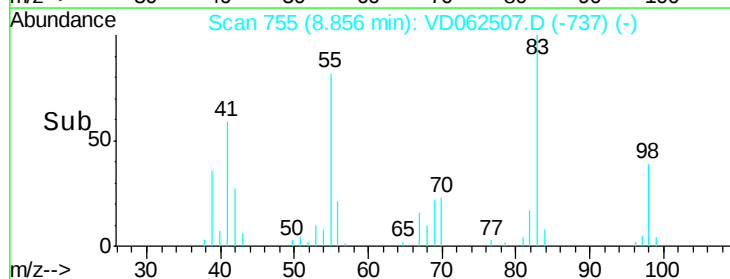
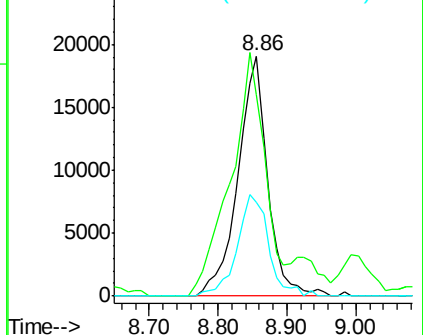
98 39.1 38.2 57.4

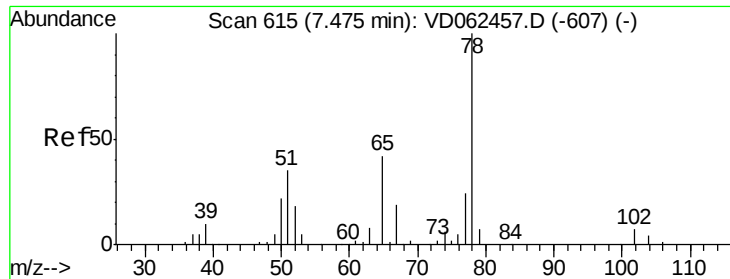


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





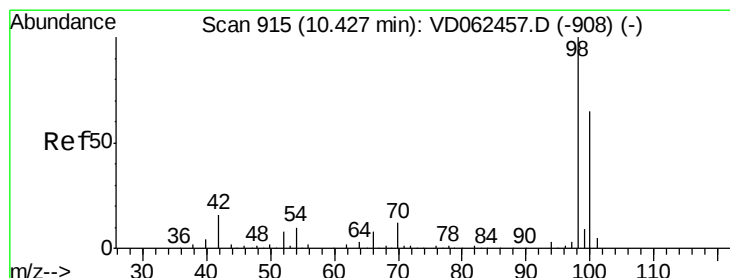
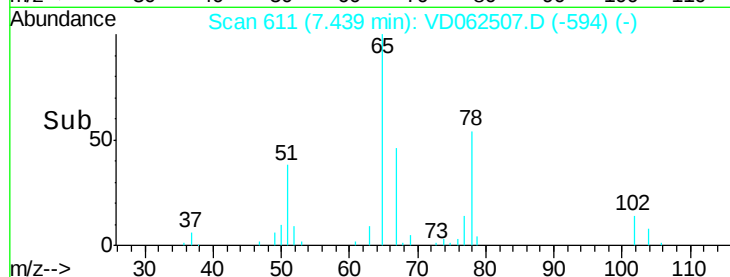
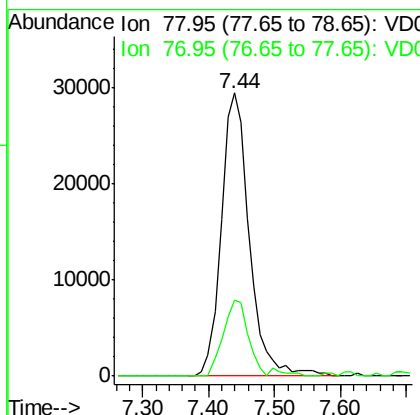
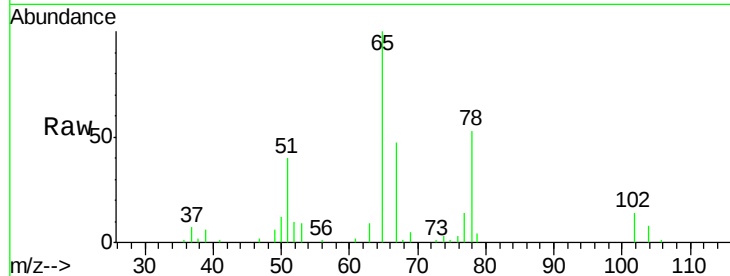
#40
Benzene
Concen: 8.949 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.04 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

Tot Ion: 78 Resp: 87263
Ion Ratio Lower Upper
78 100
77 26.9 19.7 29.5

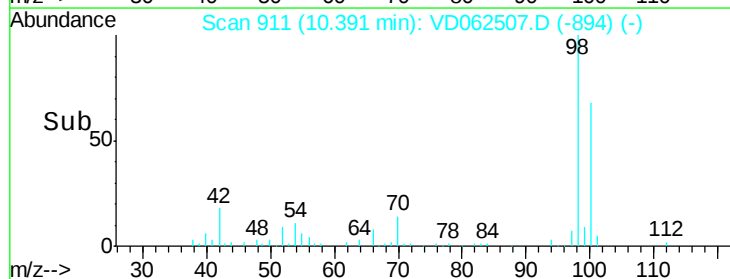
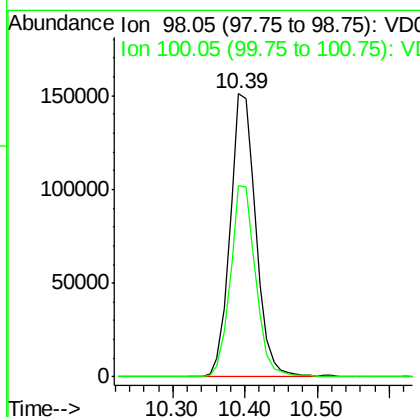
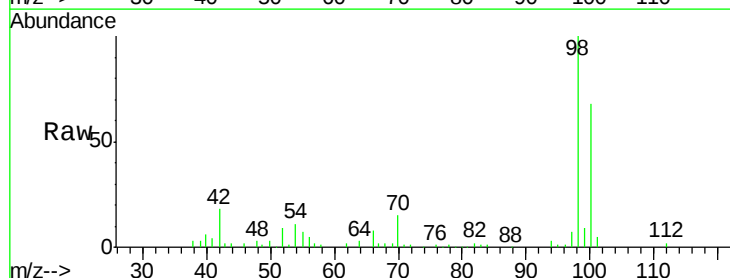
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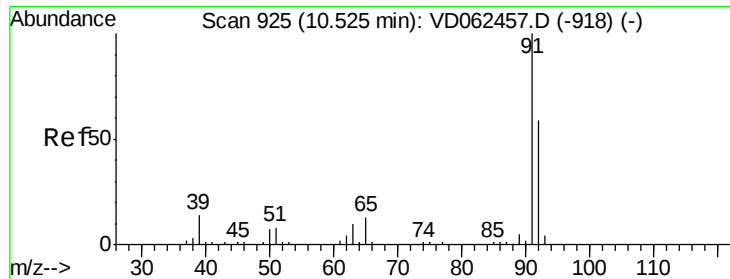
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#50
Toluene-d8
Concen: 36.648 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.04 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion: 98 Resp: 376205
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8





#52

Toluene

Concen: 465.436 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)

Tot Ion: 92 Resp: 3107116

Ion Ratio Lower Upper

92 100

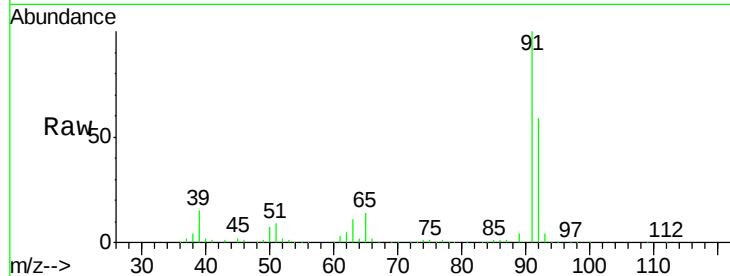
91 170.7 136.6 204.8

Manual Integrations

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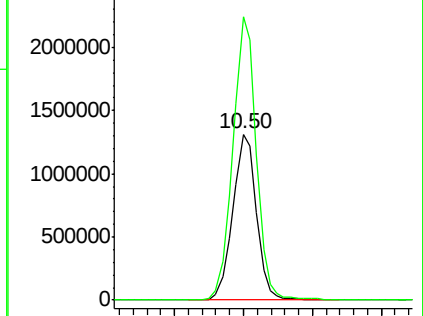
MMDadoda

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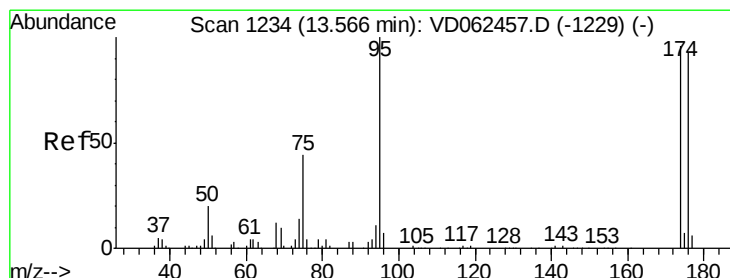
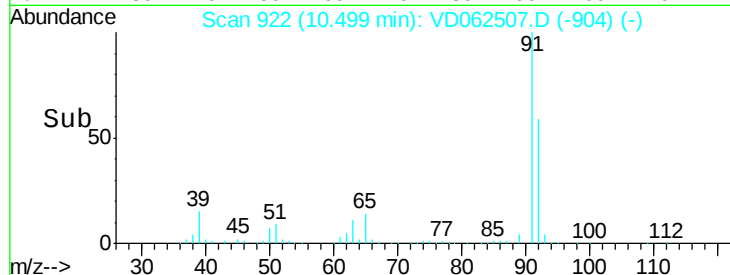


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 29.708 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

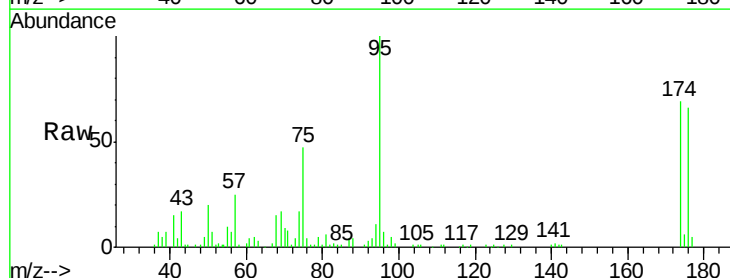
Tgt Ion: 95 Resp: 133402

Ion Ratio Lower Upper

95 100

174 69.0 0.0 181.8

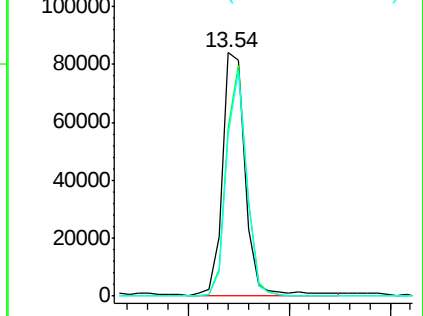
176 66.3 0.0 174.4



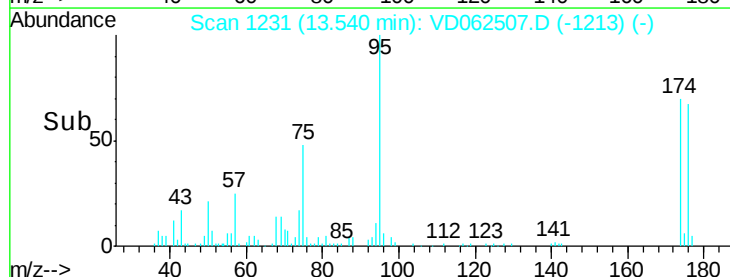
Abundance Ion 95.00 (94.70 to 95.70): VDC

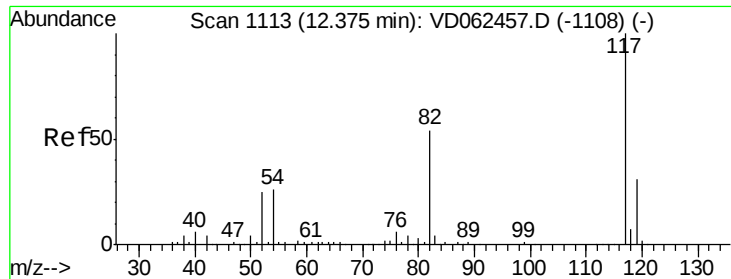
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->





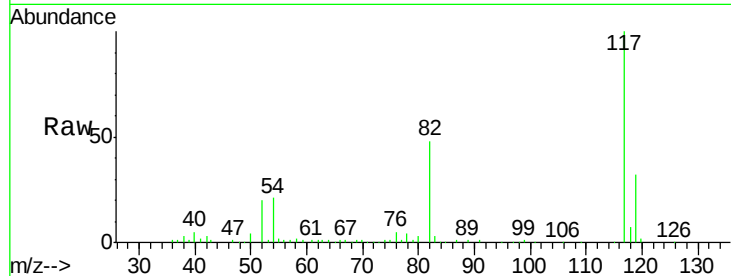
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

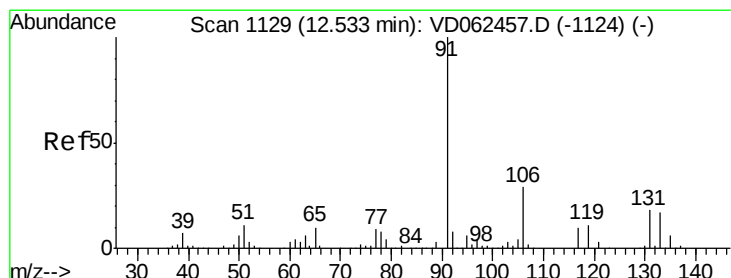
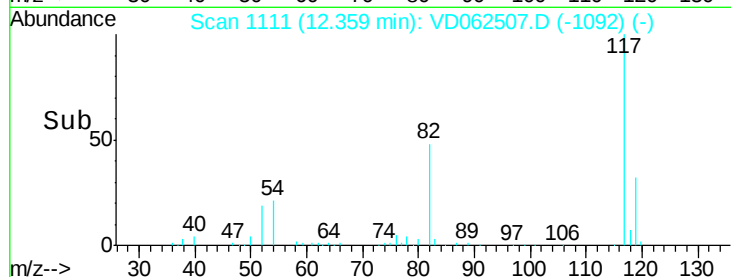
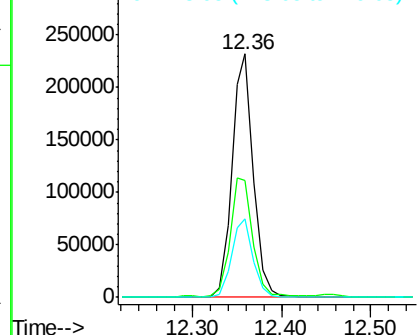
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.0	36.2	54.2
119	32.4	26.2	39.4

Manual Integrations
APPROVED

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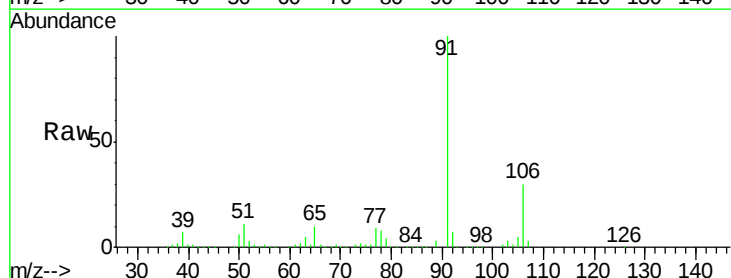


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

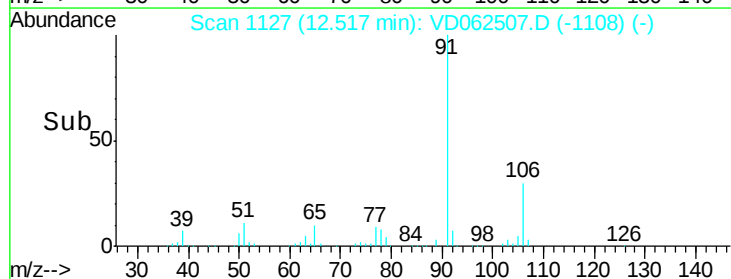
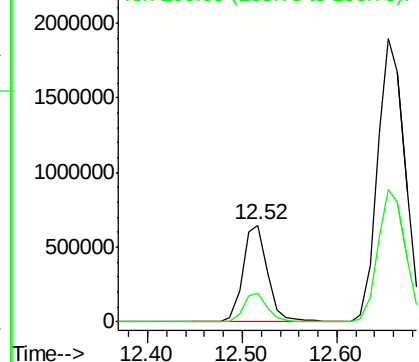


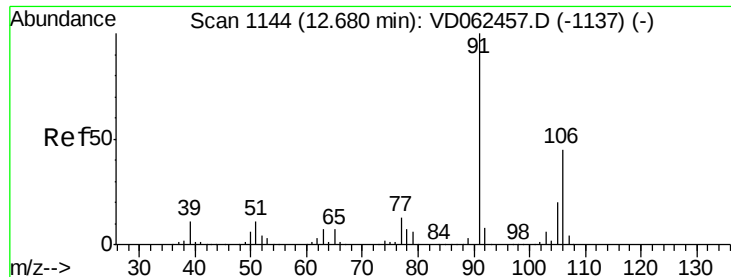
#67
Ethyl Benzene
Concen: 89.444 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.7	37.1



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





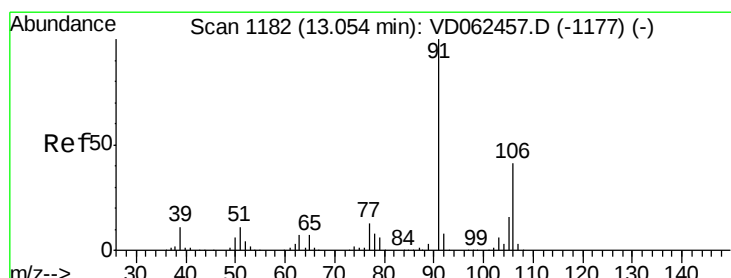
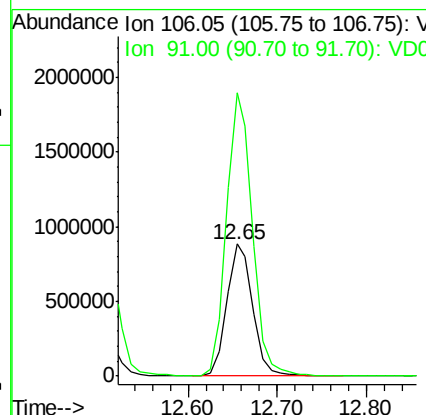
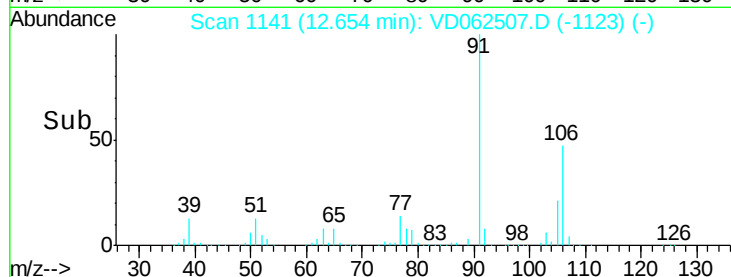
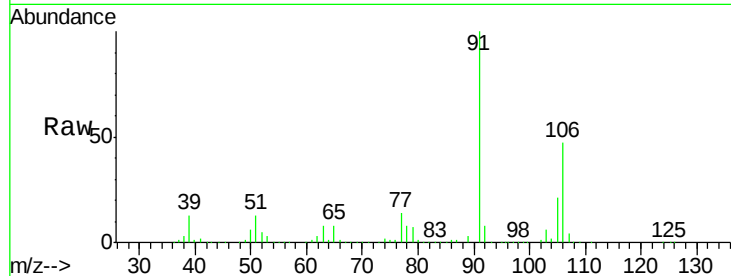
#68
m/p-Xylenes
Concen: 387.864 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

Tot Ion:106 Resp: 1797094
Ion Ratio Lower Upper
106 100
91 214.5 164.0 246.0

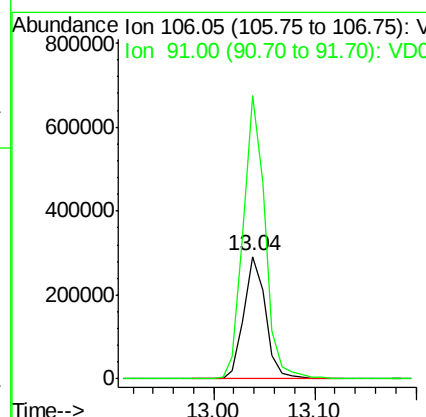
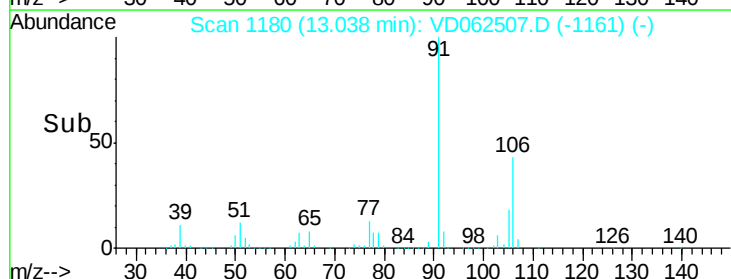
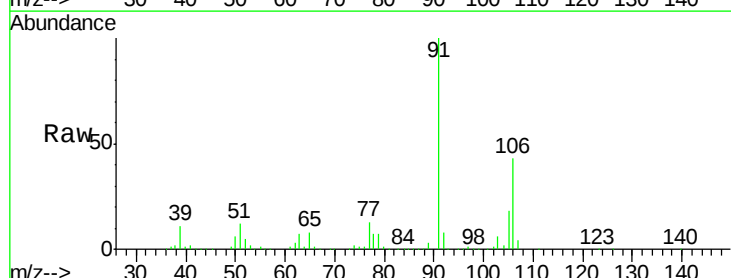
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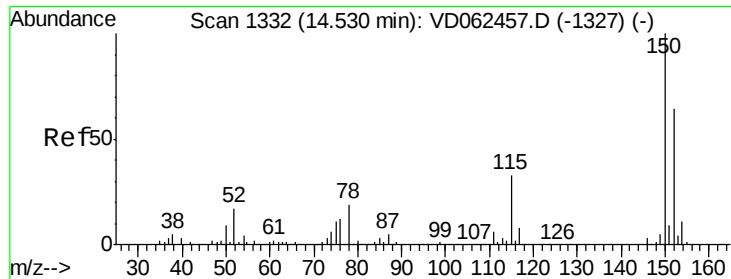
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#69
o-Xylene
Concen: 100.167 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion:106 Resp: 437896
Ion Ratio Lower Upper
106 100
91 231.6 106.7 319.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.03 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)

Tot Ion:152 Resp: 126758

Ion Ratio Lower Upper

152 100

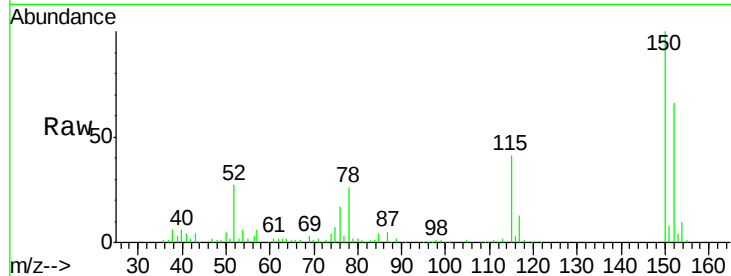
115 61.6 30.9 92.7

150 151.9 0.0 314.8

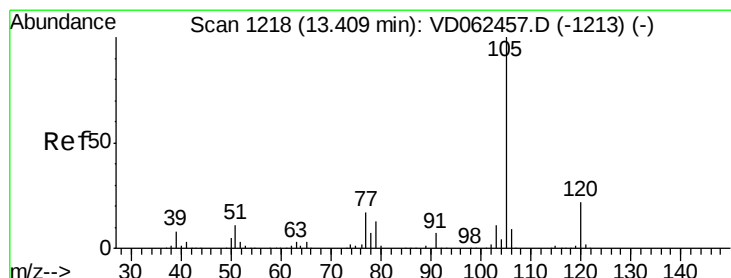
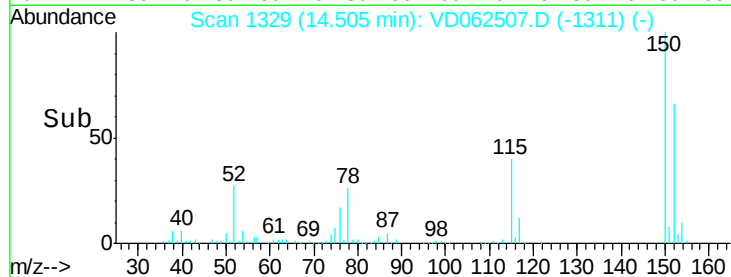
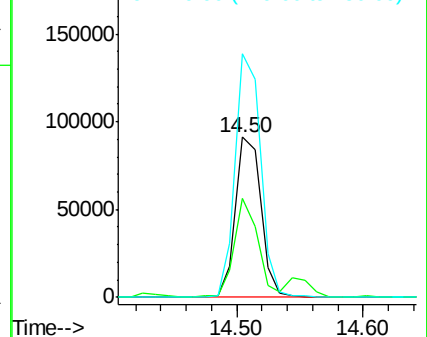
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 26.262 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062507.D

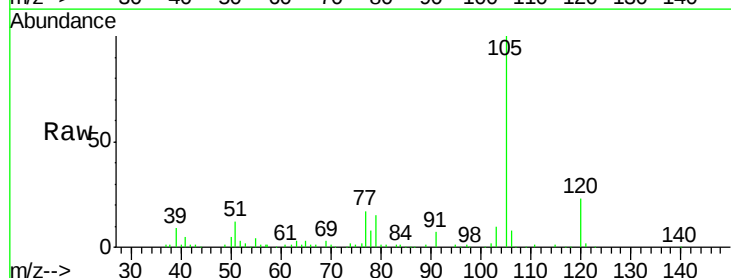
Acq: 22 May 2019 17:15

Tgt Ion:105 Resp: 209835

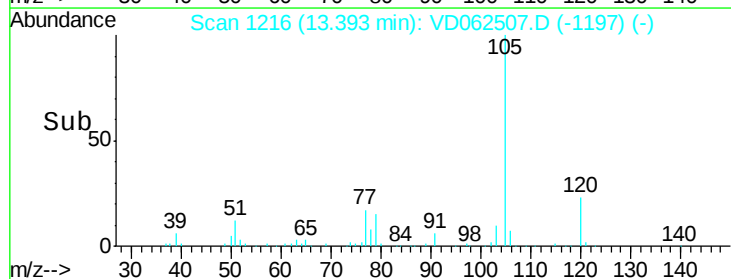
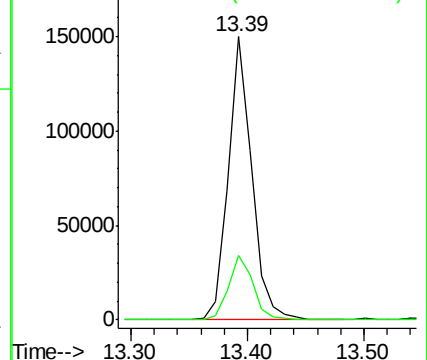
Ion Ratio Lower Upper

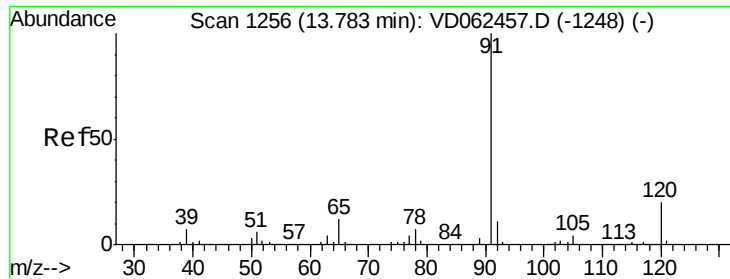
105 100

120 22.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 35.333 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD062507.D

Acq: 22 May 2019 17:15

Instrument :

MSVOA_D

ClientSampleId :

P-7(0.5-1.0)

Tot Ion: 91 Resp: 327007

Ion Ratio Lower Upper

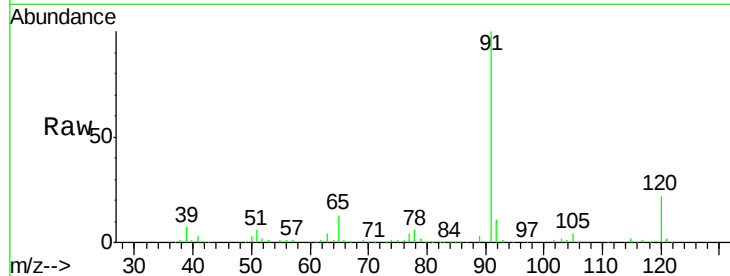
91 100

120 22.3 11.1 33.1

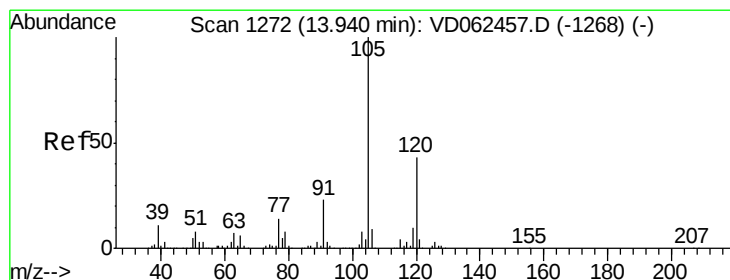
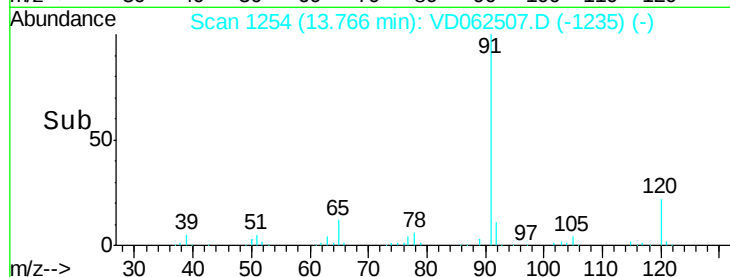
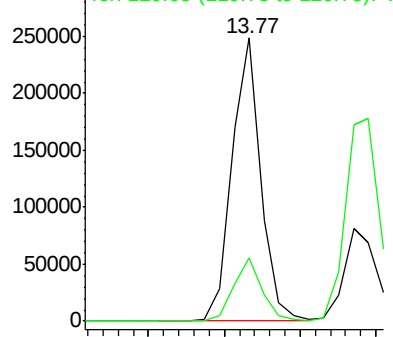
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 67.366 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062507.D

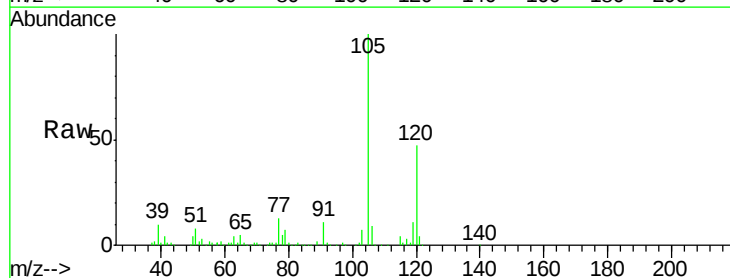
Acq: 22 May 2019 17:15

Tgt Ion: 105 Resp: 466051

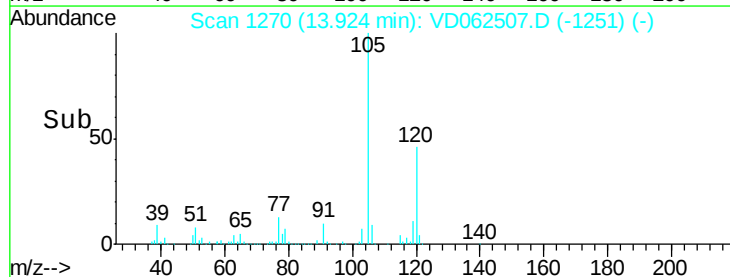
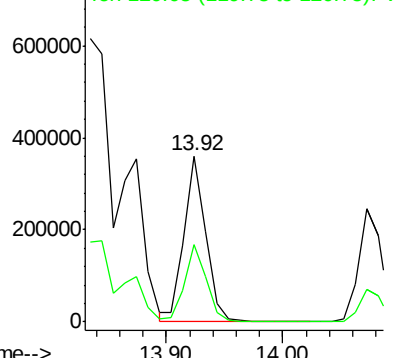
Ion Ratio Lower Upper

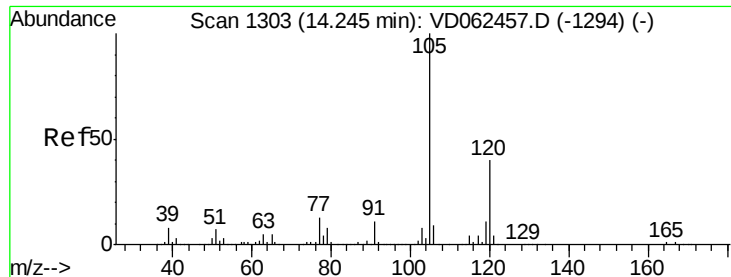
105 100

120 46.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V





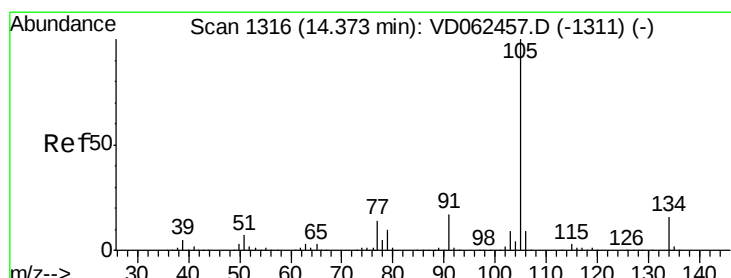
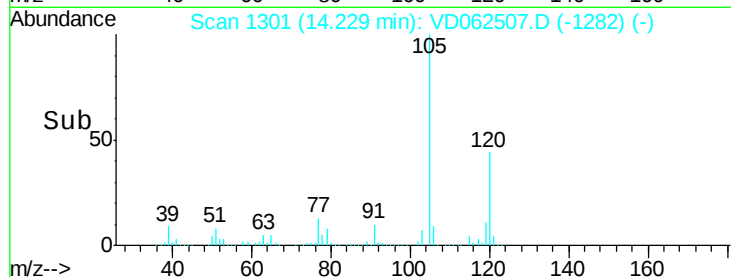
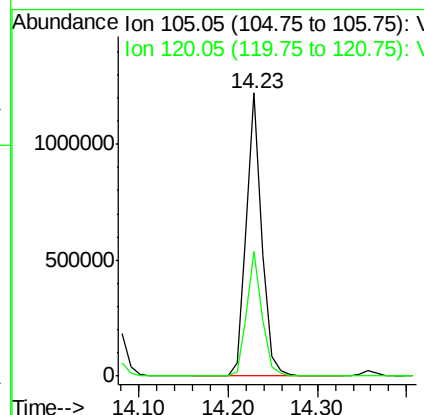
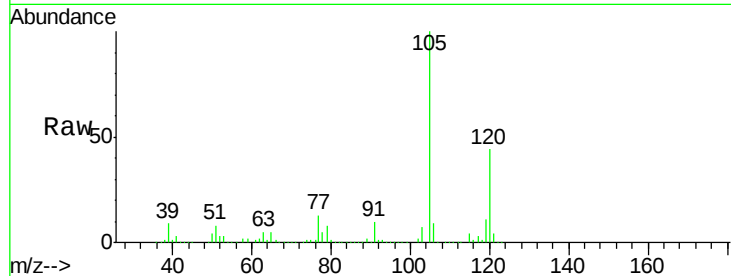
#84
1,2,4-Trimethylbenzene
Concen: 206.480 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampled :
P-7(0.5-1.0)

Tot Ion:105 Resp: 1463713
Ion Ratio Lower Upper
105 100
120 44.2 23.1 69.2

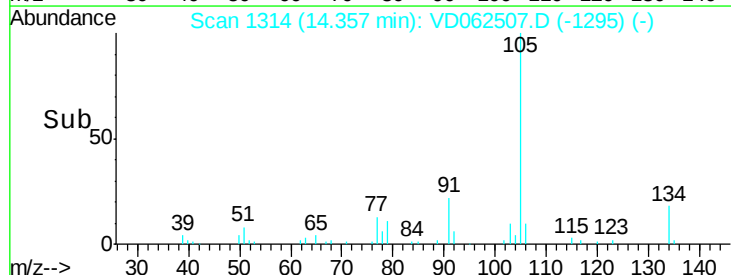
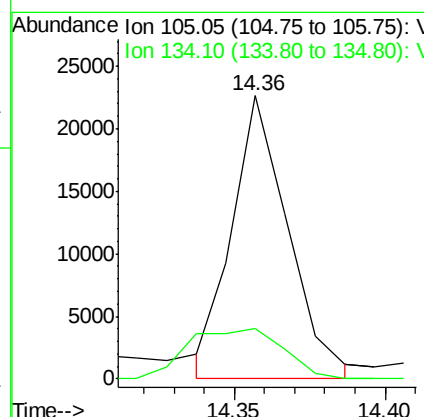
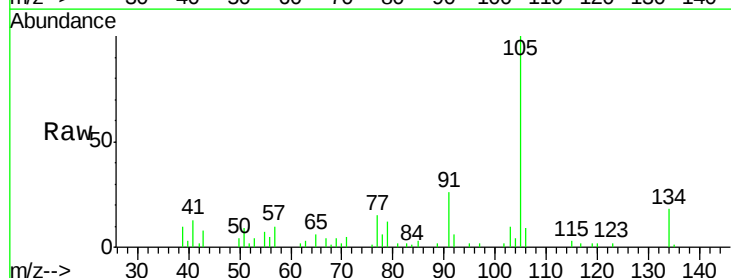
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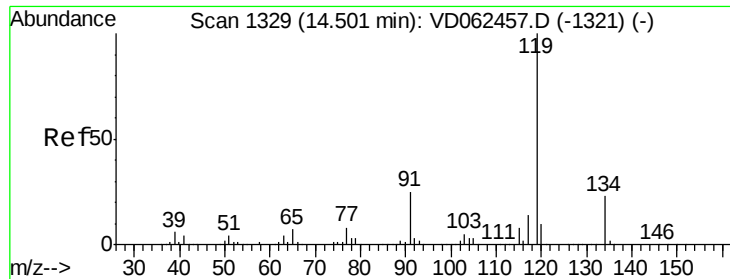
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#85
sec-Butylbenzene
Concen: 3.663 ug/l m
RT: 14.36 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion:105 Resp: 29308
Ion Ratio Lower Upper
105 100
134 17.7 8.9 26.7





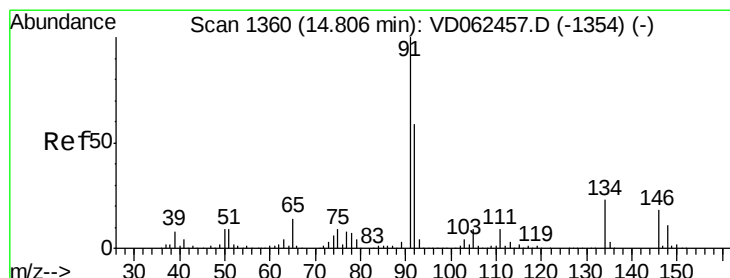
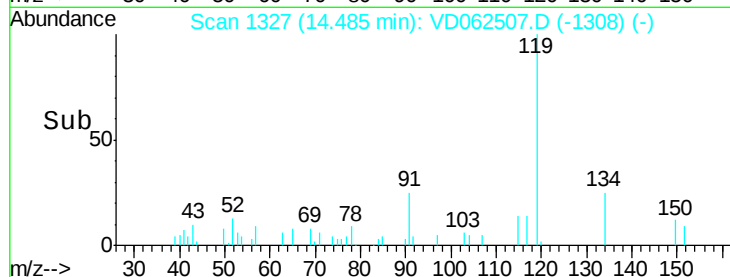
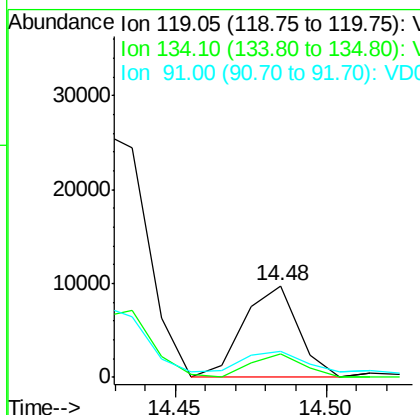
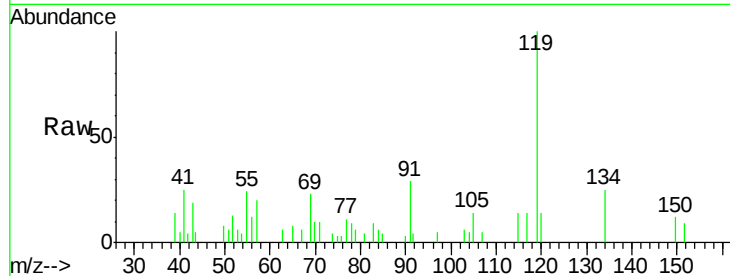
#86
p-Isopropyltoluene
Concen: 1.713 ug/l m
RT: 14.48 min Scan# 1327
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.8	38.3
91	29.0	10.7	32.1

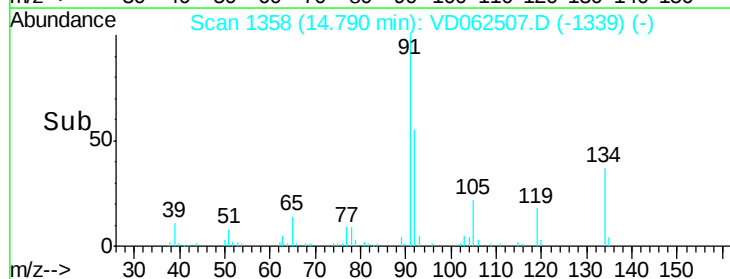
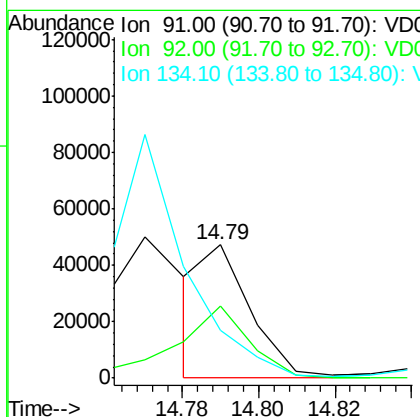
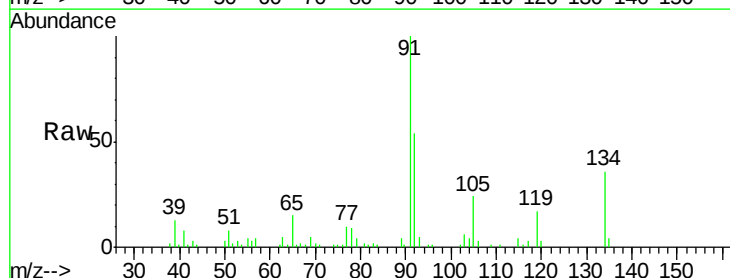
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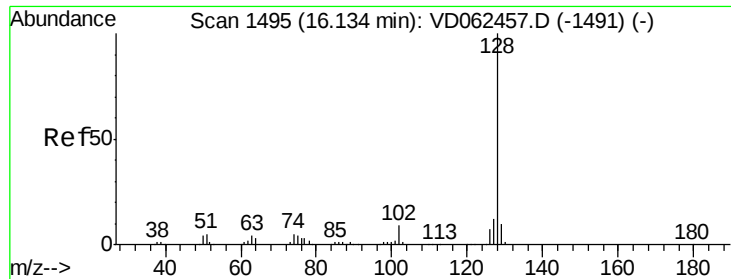
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#89
n-Butylbenzene
Concen: 5.882 ug/l m
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	30.3	91.0
134	35.8	14.5	43.6





#95
Naphthalene
Concen: 198.132 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062507.D
Acq: 22 May 2019 17:15

Instrument :
MSVOA_D
ClientSampleId :
P-7(0.5-1.0)

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.8	9.8	14.8
129	11.1	8.8	13.2

Manual Integrations
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