

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062656.D
 Acq On : 10 Jun 2019 16:27
 Operator : VA/AP
 Sample : K3273-17
 Misc : 3.85µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9 0.5-1.0 060719

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:42 AM

Quant Time: Jun 11 08:04:31 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	263033	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	349827	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	223058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	78648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	215759	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	
35) Dibromofluoromethane	6.92	113	185700	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.40	98	243744	31.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.82%	
62) 4-Bromofluorobenzene	13.55	95	89845	24.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.62%	

Target Compounds

					Qvalue
16) Acetone	3.22	43	25670	36.934	ug/l 95
67) Ethyl Benzene	12.52	91	55842	6.383	ug/l 100
68) m/p-Xylenes	12.66	106	28422	9.242	ug/l 96
69) o-Xylene	13.05	106	57423	20.331	ug/l 87
73) Isopropylbenzene	13.40	105	228985	41.307	ug/l 95
78) n-propylbenzene	13.77	91	501092	73.847	ug/l 97
80) 1,3,5-Trimethylbenzene	13.93	105	681446	139.091	ug/l 94
84) 1,2,4-Trimethylbenzene	14.23	105	869804	179.310	ug/l 97
85) sec-Butylbenzene	14.37	105	1025252	180.938	ug/l 99
86) p-Isopropyltoluene	14.49	119	626730	113.602	ug/l 99
89) n-Butylbenzene	14.79	91	483808m	97.480	ug/l

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

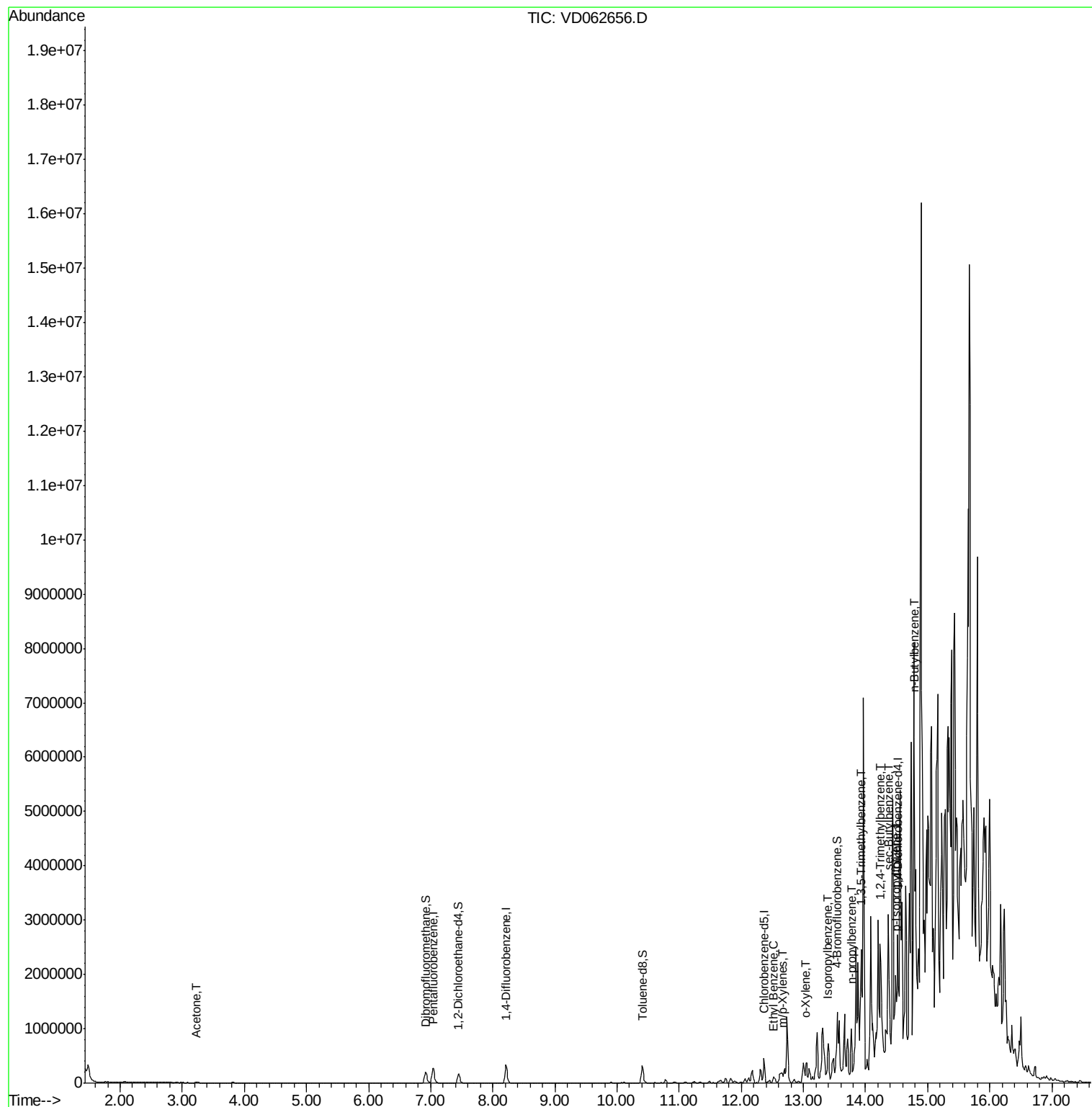
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061019\
Data File : VD062656.D
Acq On : 10 Jun 2019 16:27
Operator : VA/AP
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Misc : 3.85g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

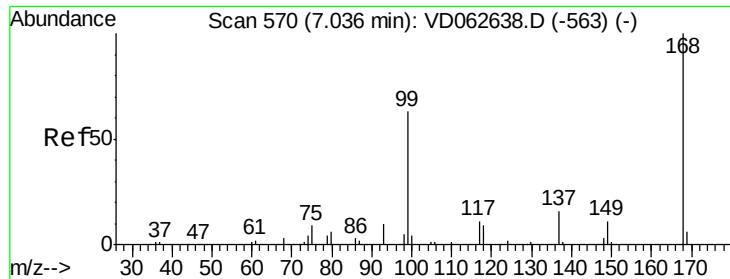
Instrument :
MSVOA_D
ClientSampleId :
SB-9 0.5-1.0 060719

Manual Integrations
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6/14/2019 12:38:42 AM

Quant Time: Jun 11 08:04:31 2019
Quant Method : Z:\V0ASRV\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: VD062656.D

Acq: 10 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-9 0.5-1.0 060719

Tot Ion:168 Resp: 263033

Ion Ratio Lower Upper

168 100

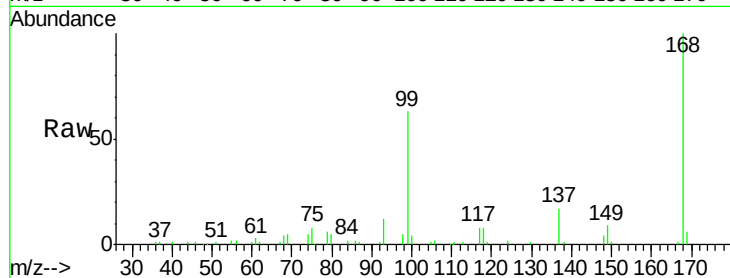
99 63.0 51.4 77.2

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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

100000

80000

60000

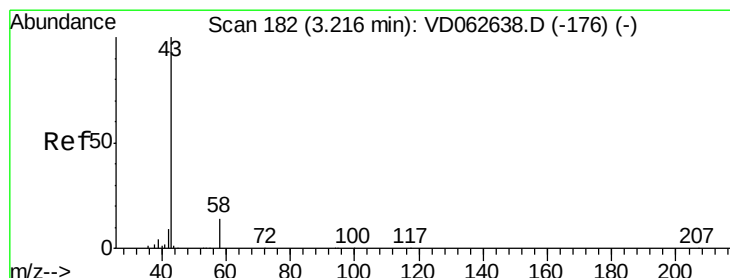
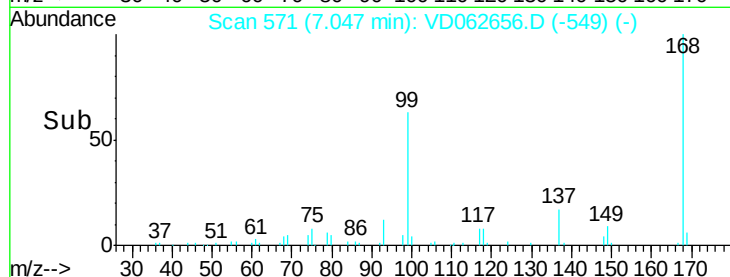
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 36.934 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062656.D

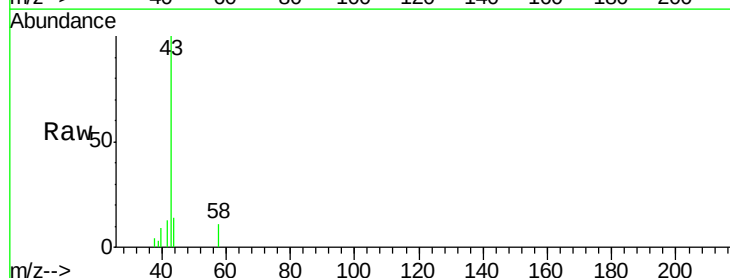
Acq: 10 Jun 2019 16:27

Tgt Ion: 43 Resp: 25670

Ion Ratio Lower Upper

43 100

58 11.4 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

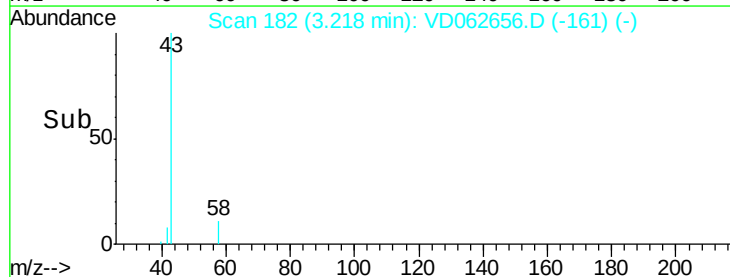
4000

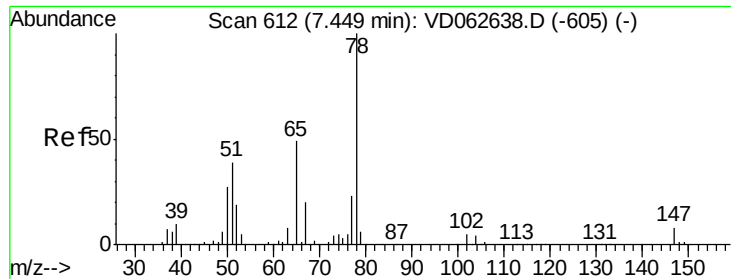
2000

0

3.10 3.20 3.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.845 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Tot Ion: 65 Resp: 215759

Ion Ratio Lower Upper

65 100

67 36.8 0.0 81.8

Instrument :

MSVOA_D

ClientSampleId :

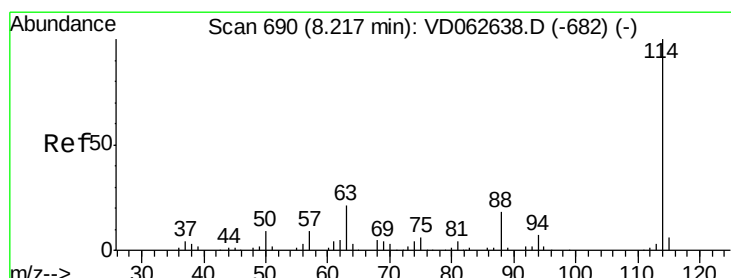
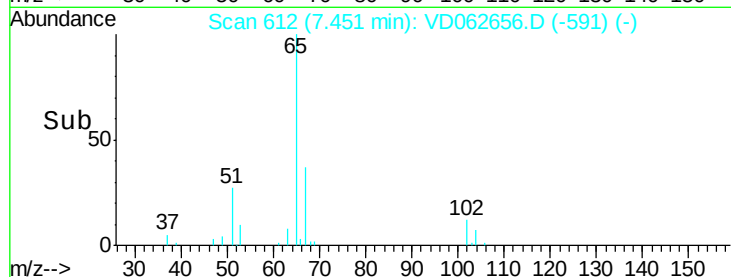
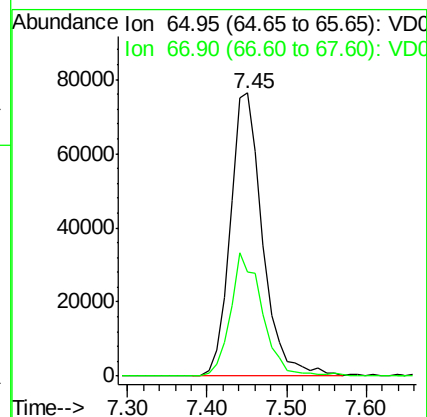
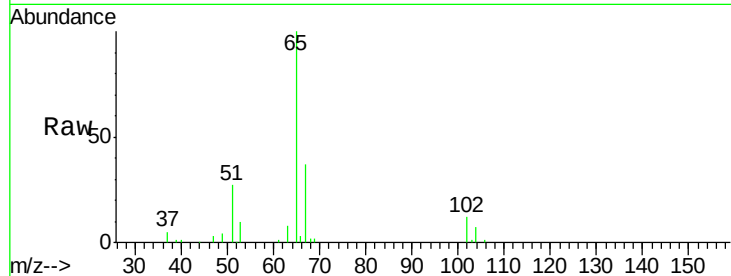
SB-9 0.5-1.0 060719

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

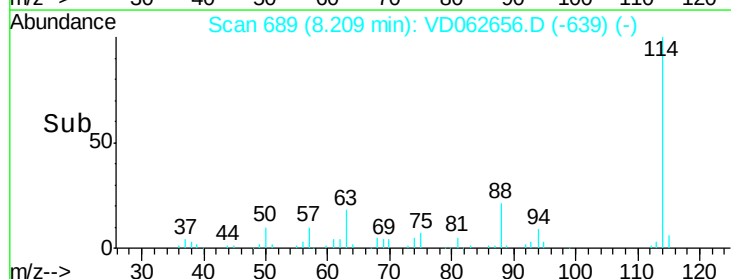
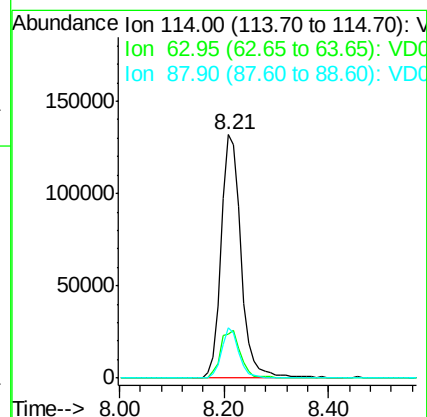
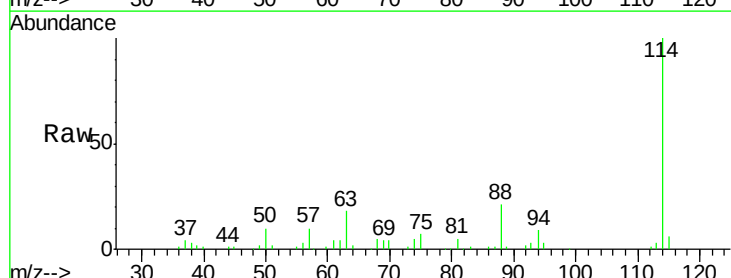
Tgt Ion: 114 Resp: 349827

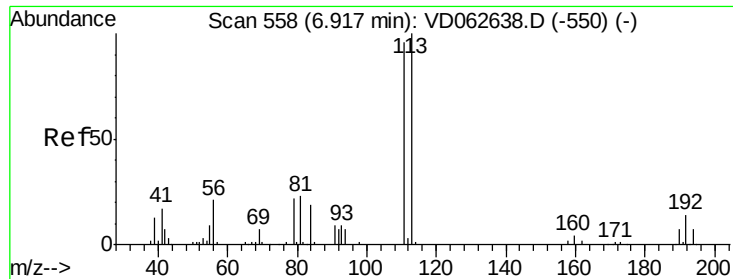
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 20.6 0.0 36.8





#35

Dibromofluoromethane

Concen: 50.333 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Instrument :

MSVOA_D

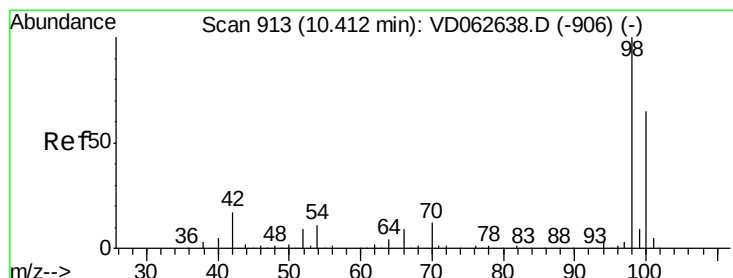
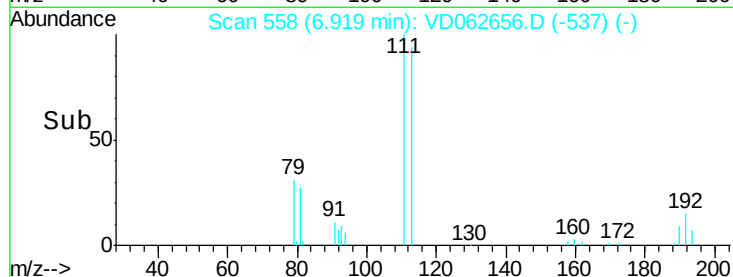
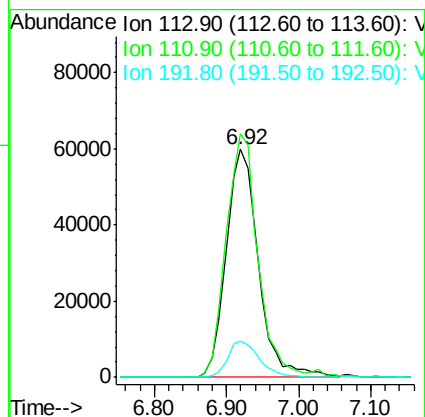
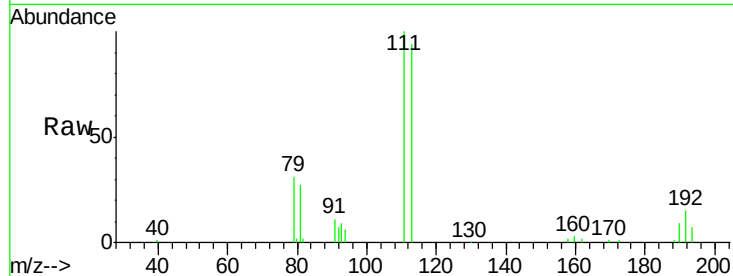
ClientSampleId :

SB-9 0.5-1.0 060719

Tot Ion:	113	Resp:	185700
Ion Ratio	Lower	Upper	
113	100		
111	106.8	76.4	114.6
192	16.0	11.4	17.0

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#50

Toluene-d8

Concen: 31.406 ug/l

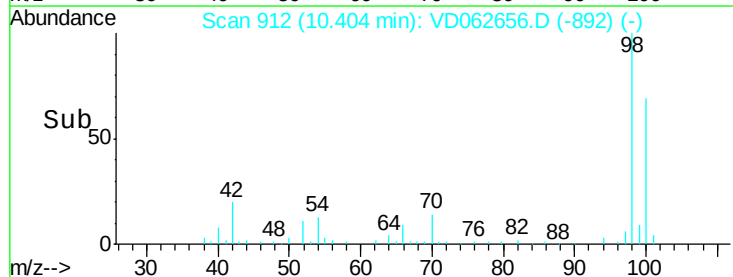
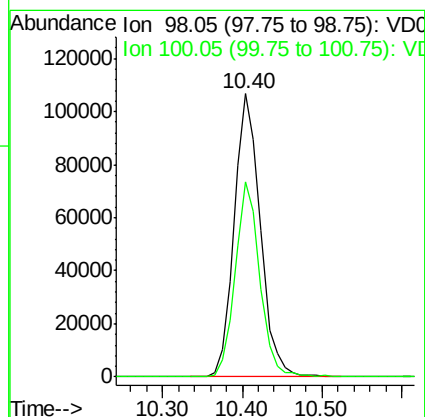
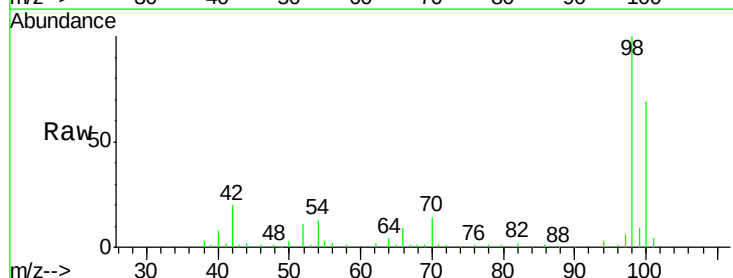
RT: 10.40 min Scan# 912

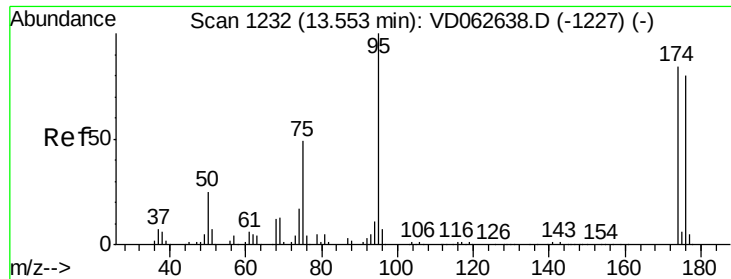
Delta R.T. -0.01 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Tgt Ion:	98	Resp:	243744
Ion Ratio	Lower	Upper	
98	100		
100	68.8	52.1	78.1





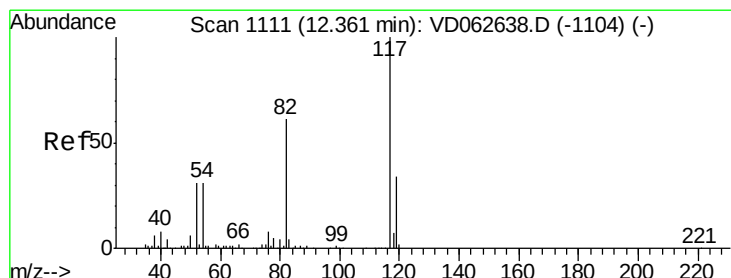
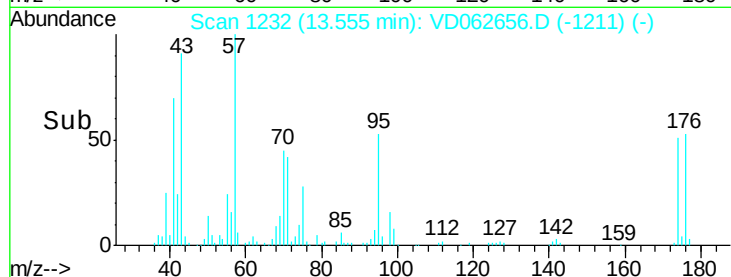
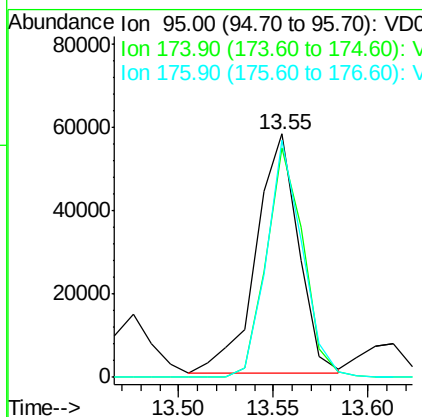
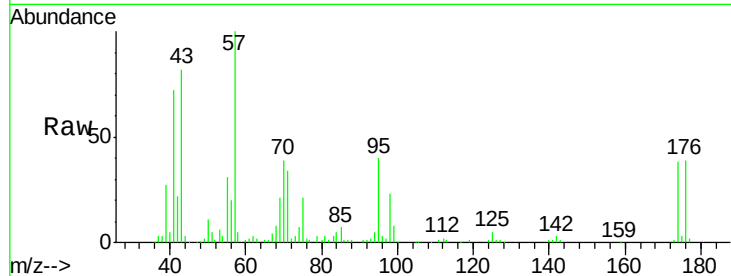
#62
4-Bromofluorobenzene
Concen: 24.813 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
SB-9 0.5-1.0 060719

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	94.4	0.0	167.0	
176	97.5	0.0	159.2	

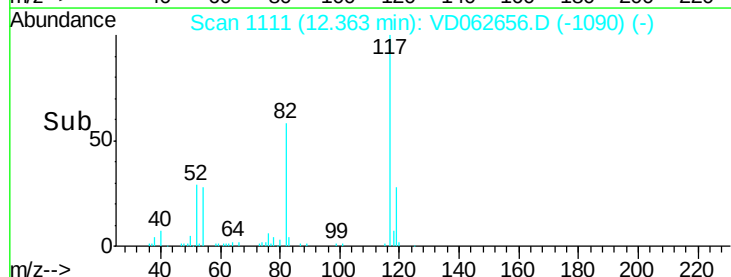
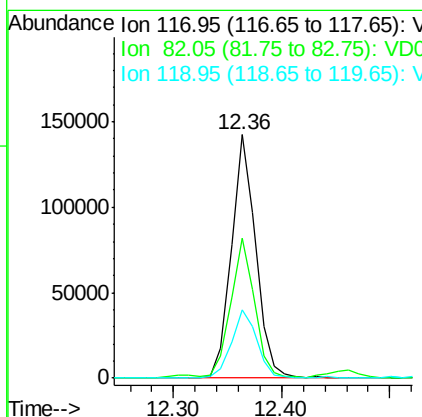
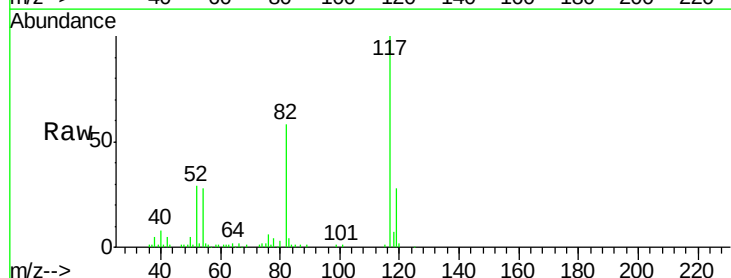
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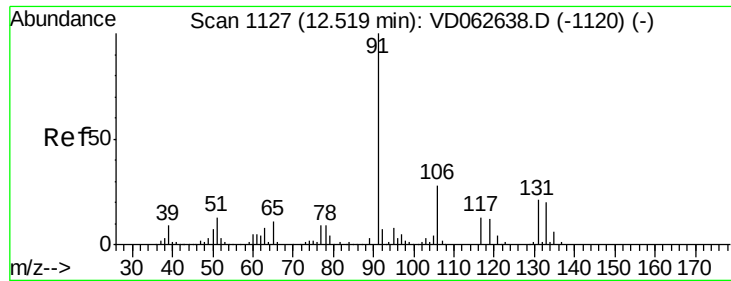
MMDadoda
6/14/2019 12:38:42 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.6	48.7	73.1	
119	28.1	27.0	40.6	





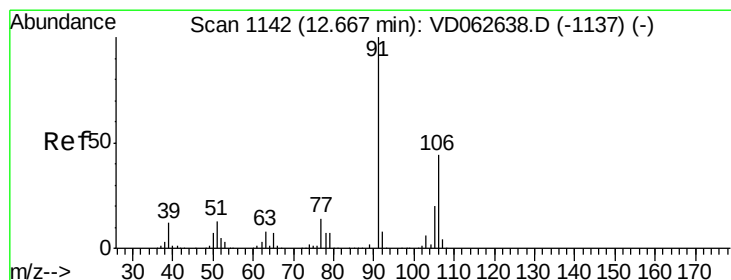
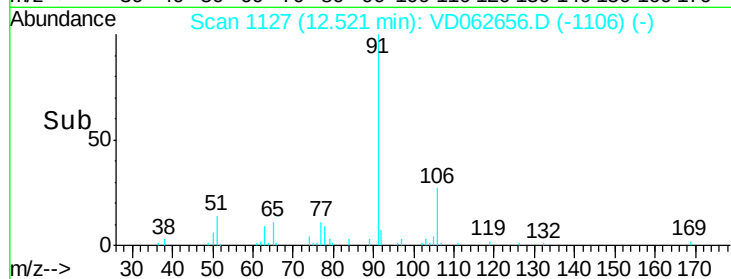
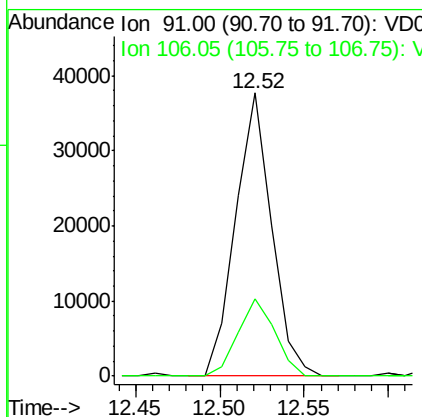
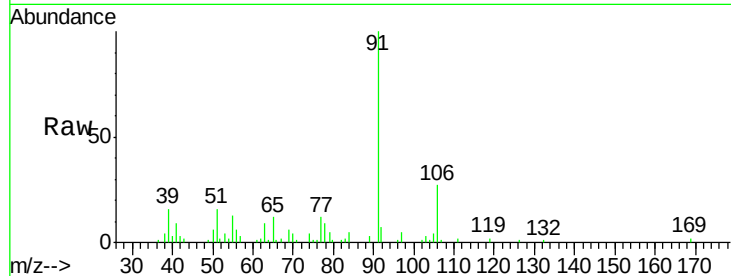
#67
Ethyl Benzene
Concen: 6.383 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
SB-9 0.5-1.0 060719

Tot Ion: 91 Resp: 55842
Ion Ratio Lower Upper
91 100
106 27.3 22.1 33.1

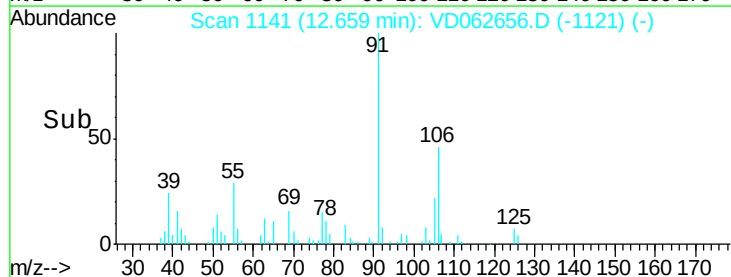
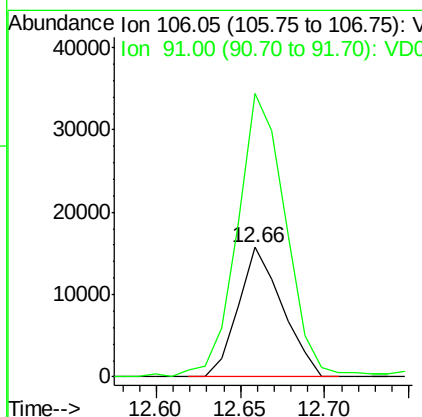
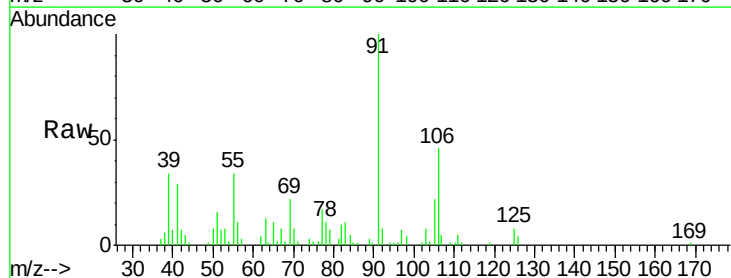
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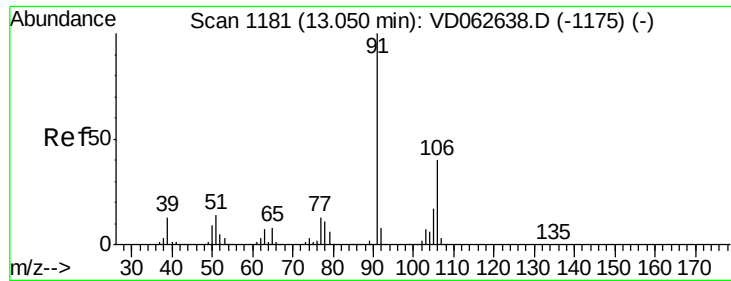
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6/14/2019 12:38:42 AM



#68
m/p-Xylenes
Concen: 9.242 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Tgt Ion: 106 Resp: 28422
Ion Ratio Lower Upper
106 100
91 218.9 180.2 270.4





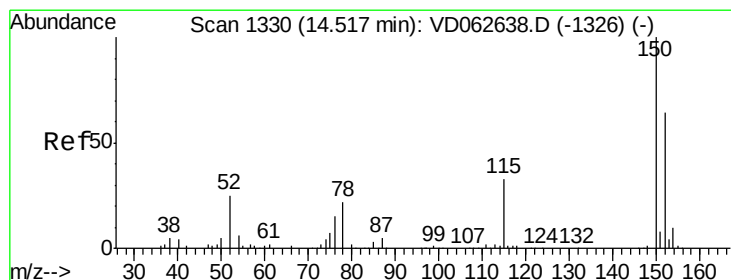
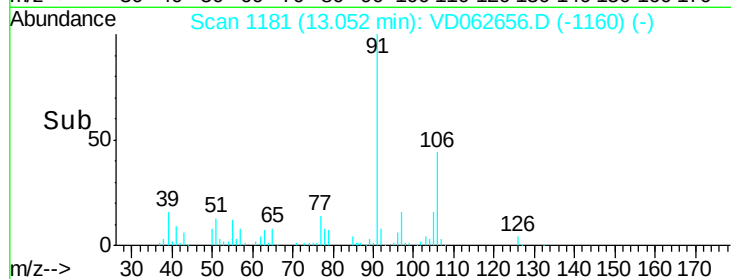
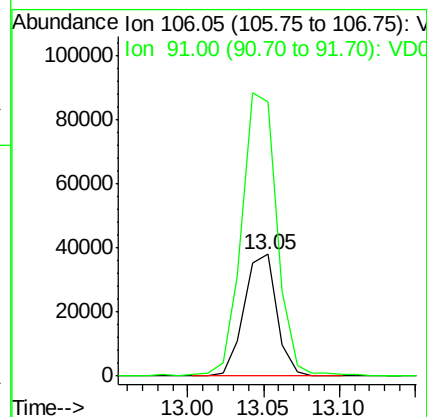
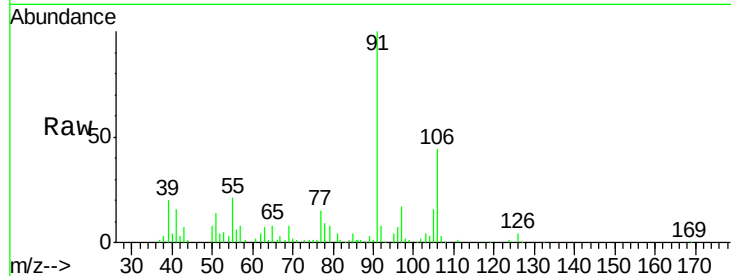
#69
o-Xylene
Concen: 20.331 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
SB-9_0.5-1.0_060719

Tot Ion:106 Resp: 57423
Ion Ratio Lower Upper
106 100
91 225.5 124.1 372.1

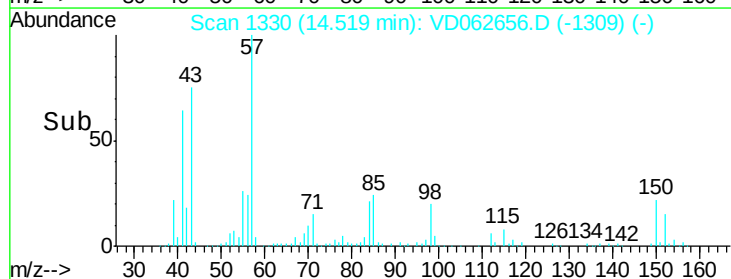
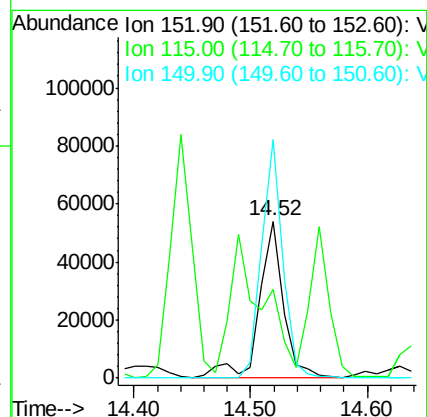
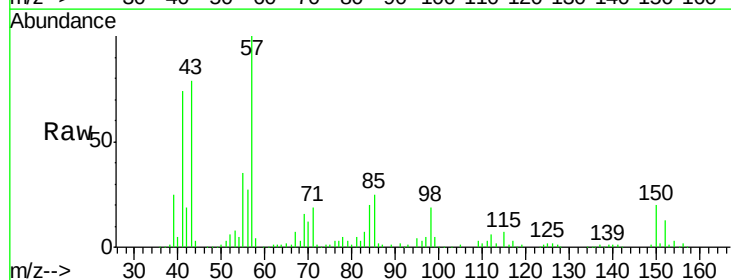
Manual Integrations
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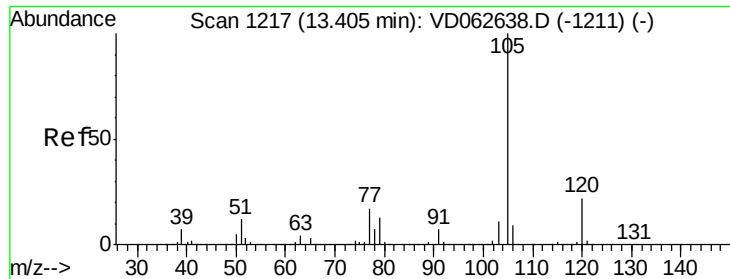
MMDadoda
6/14/2019 12:38:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062656.D
Acq: 10 Jun 2019 16:27

Tgt Ion:152 Resp: 78648
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.5
150 151.5 0.0 314.0





#73

Isopropylbenzene

Concen: 41.307 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-9 0.5-1.0 060719

Tot Ion:105 Resp: 228985

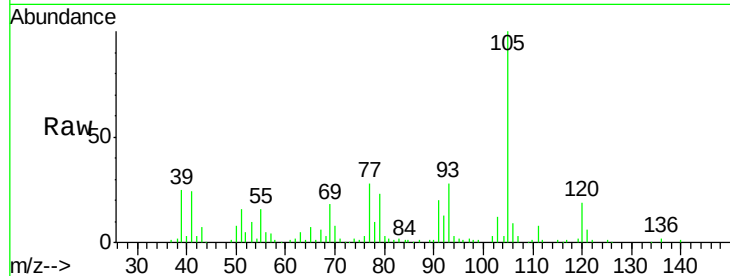
Ion Ratio Lower Upper

105 100

120 19.5 10.9 32.7

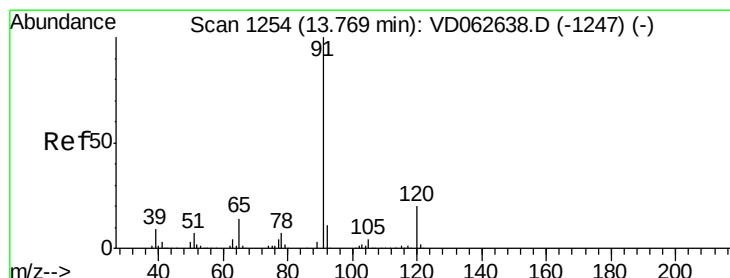
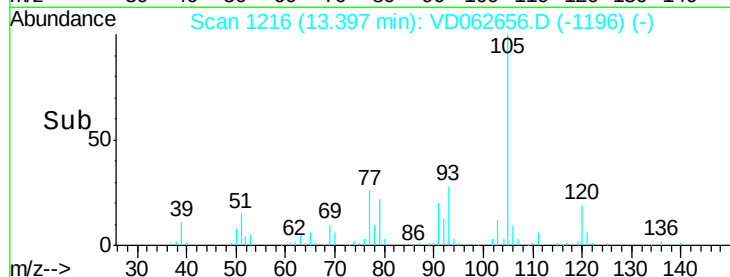
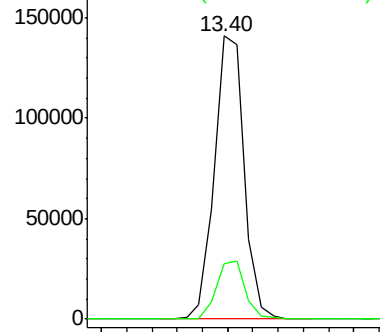
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 73.847 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062656.D

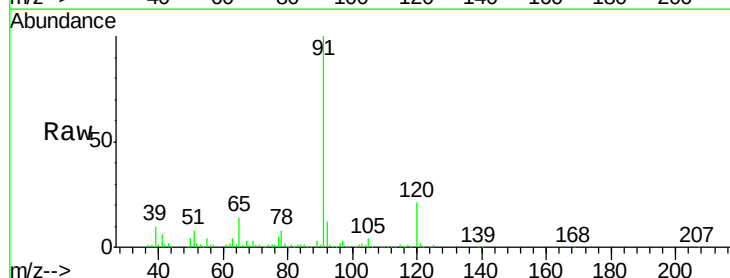
Acq: 10 Jun 2019 16:27

Tgt Ion: 91 Resp: 501092

Ion Ratio Lower Upper

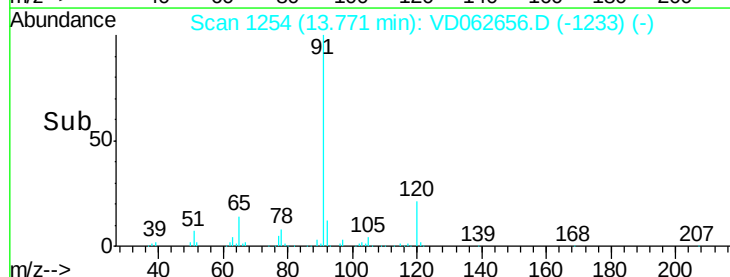
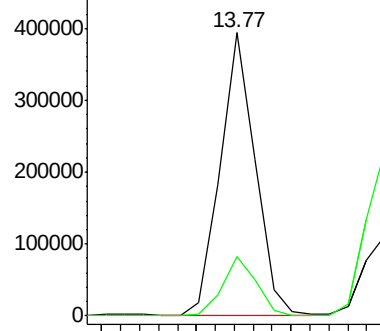
91 100

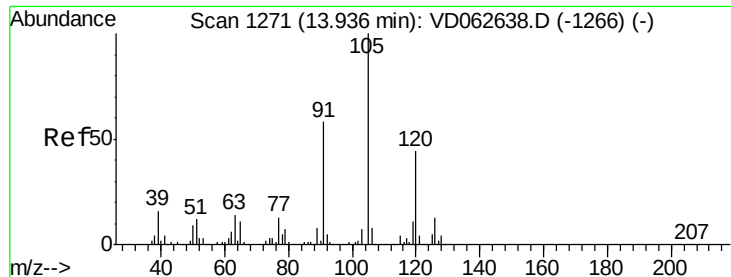
120 20.8 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 139.091 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-9 0.5-1.0 060719

Tot Ion:105 Resp: 681446

Ion Ratio Lower Upper

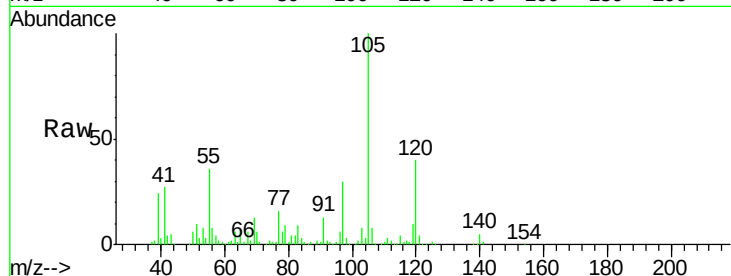
105 100

120 40.4 22.1 66.5

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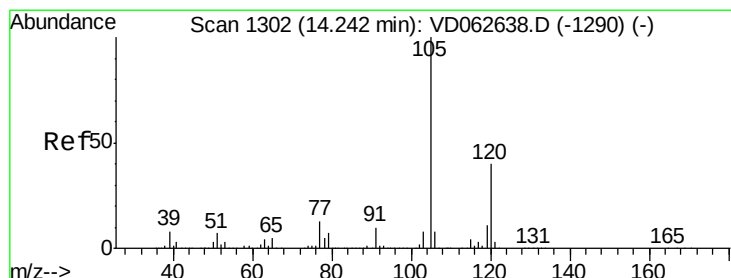
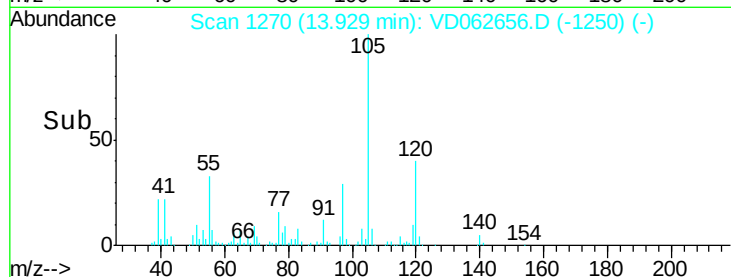
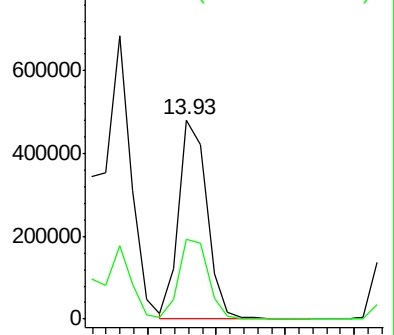
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6/14/2019 12:38:42 AM



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: 179.310 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062656.D

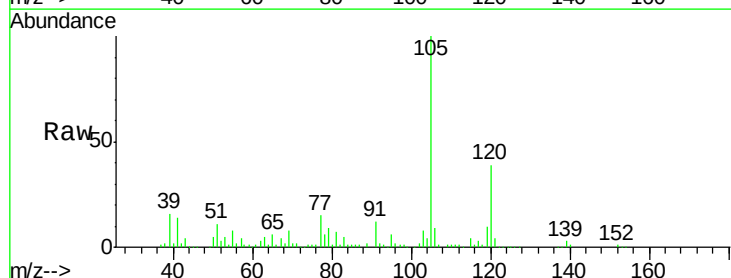
Acq: 10 Jun 2019 16:27

Tgt Ion:105 Resp: 869804

Ion Ratio Lower Upper

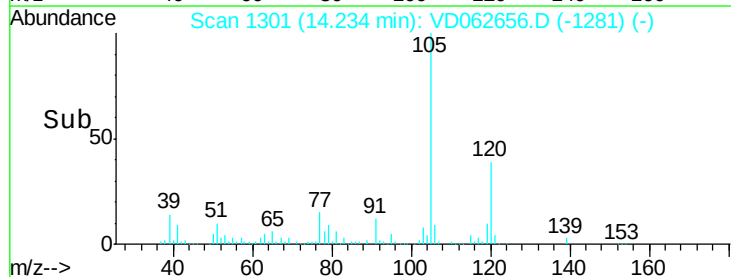
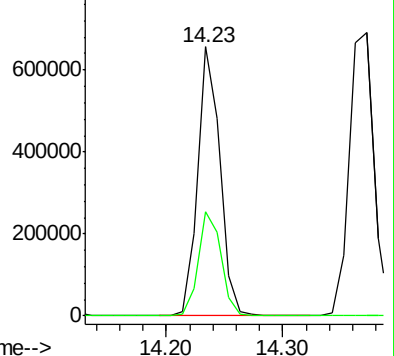
105 100

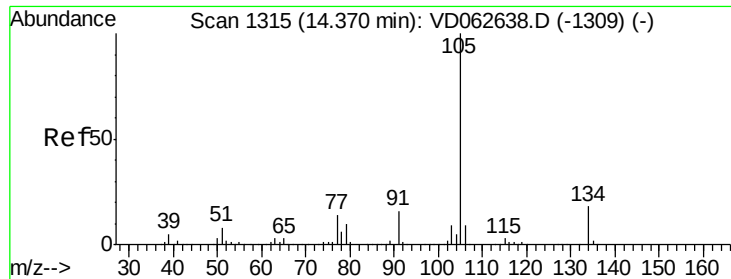
120 38.9 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





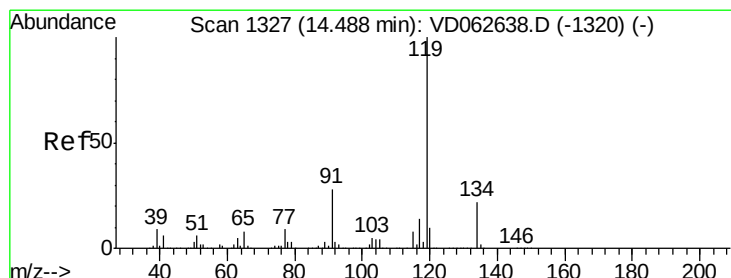
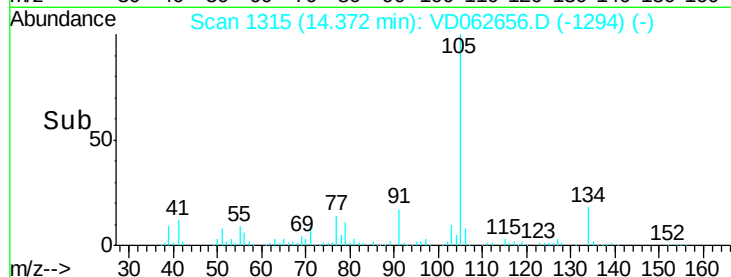
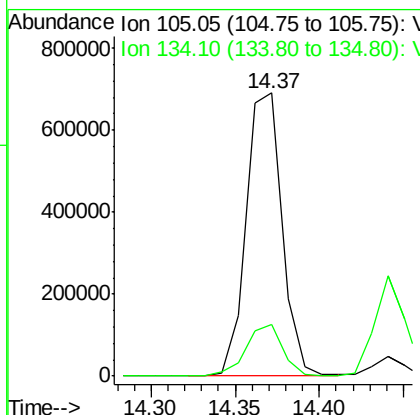
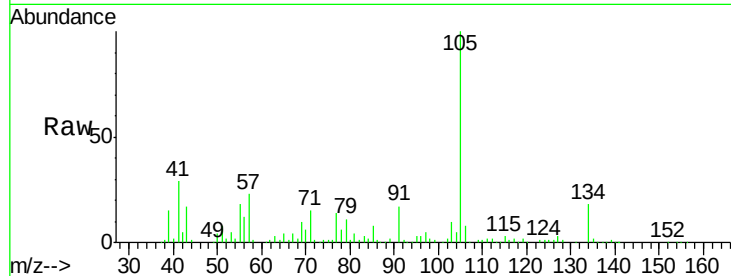
#85
 sec-Butylbenzene
 Concen: 180.938 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062656.D
 Acq: 10 Jun 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9 0.5-1.0 060719

Tot Ion:105 Resp: 1025252
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.8 26.2

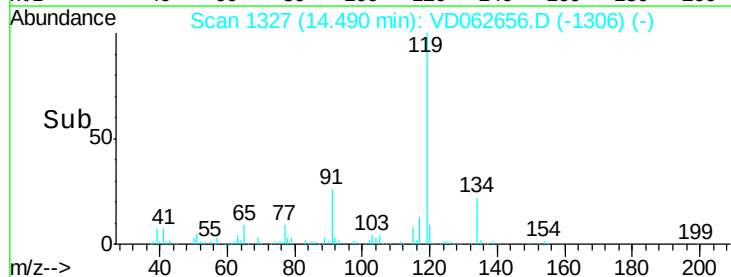
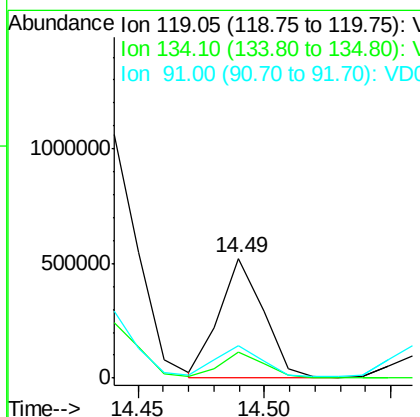
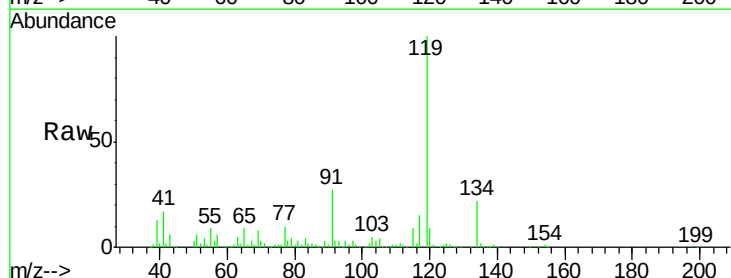
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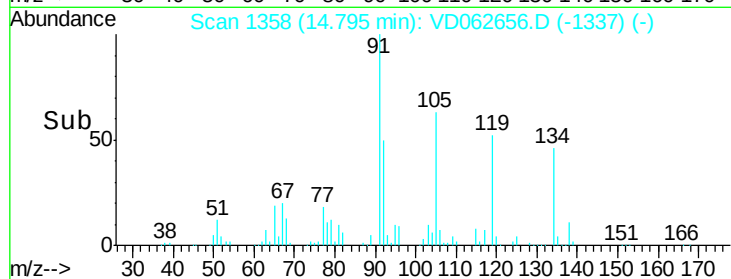
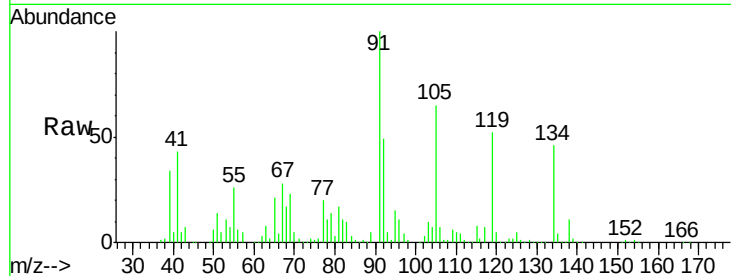
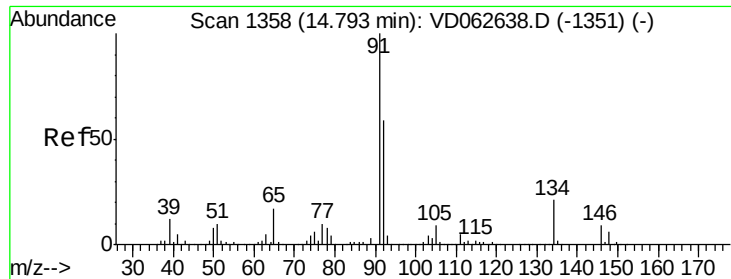
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#86
 p-Isopropyltoluene
 Concen: 113.602 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062656.D
 Acq: 10 Jun 2019 16:27

Tgt Ion:119 Resp: 626730
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.9 32.6
 91 27.3 13.9 41.6





#89

n-Butylbenzene

Concen: 97.480 ug/l m

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062656.D

Acq: 10 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-9_0.5-1.0_060719

Tot Ion: 91 Resp: 483808

Ion Ratio Lower Upper

91 100

92 49.1 29.4 88.3

134 45.6 10.4 31.2#

Manual Integrations
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