

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062661.D
 Acq On : 10 Jun 2019 18:43
 Operator : VA/AP
 Sample : K3274-05
 Misc : 4.56g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 0.5-1.0 060719

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:48 AM

Quant Time: Jun 11 08:19:54 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	449521	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	721010	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	408902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	135136	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	312205	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	6.93	113	325303	42.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.56%	
50) Toluene-d8	10.41	98	453185	28.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.66%	
62) 4-Bromofluorobenzene	13.55	95	145089	19.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	109845	92.478	ug/l #	93
25) 2-Butanone	6.08	43	14068	12.140	ug/l #	89
67) Ethyl Benzene	12.52	91	470039	29.311	ug/l	100
68) m/p-Xylenes	12.67	106	821729	145.756	ug/l	98
69) o-Xylene	13.05	106	599129	115.714	ug/l	98
73) Isopropylbenzene	13.41	105	1037736	108.948	ug/l	99
78) n-propylbenzene	13.78	91	2068410	177.405	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	2465579	292.889	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	8810205	1057.025	ug/l	90
85) sec-Butylbenzene	14.37	105	3022812	310.475	ug/l	99
86) p-Isopropyltoluene	14.50	119	1928887	203.484	ug/l	99
89) n-Butylbenzene	14.80	91	1426037m	167.221	ug/l	
95) Naphthalene	16.12	128	1438816	276.639	ug/l	98

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

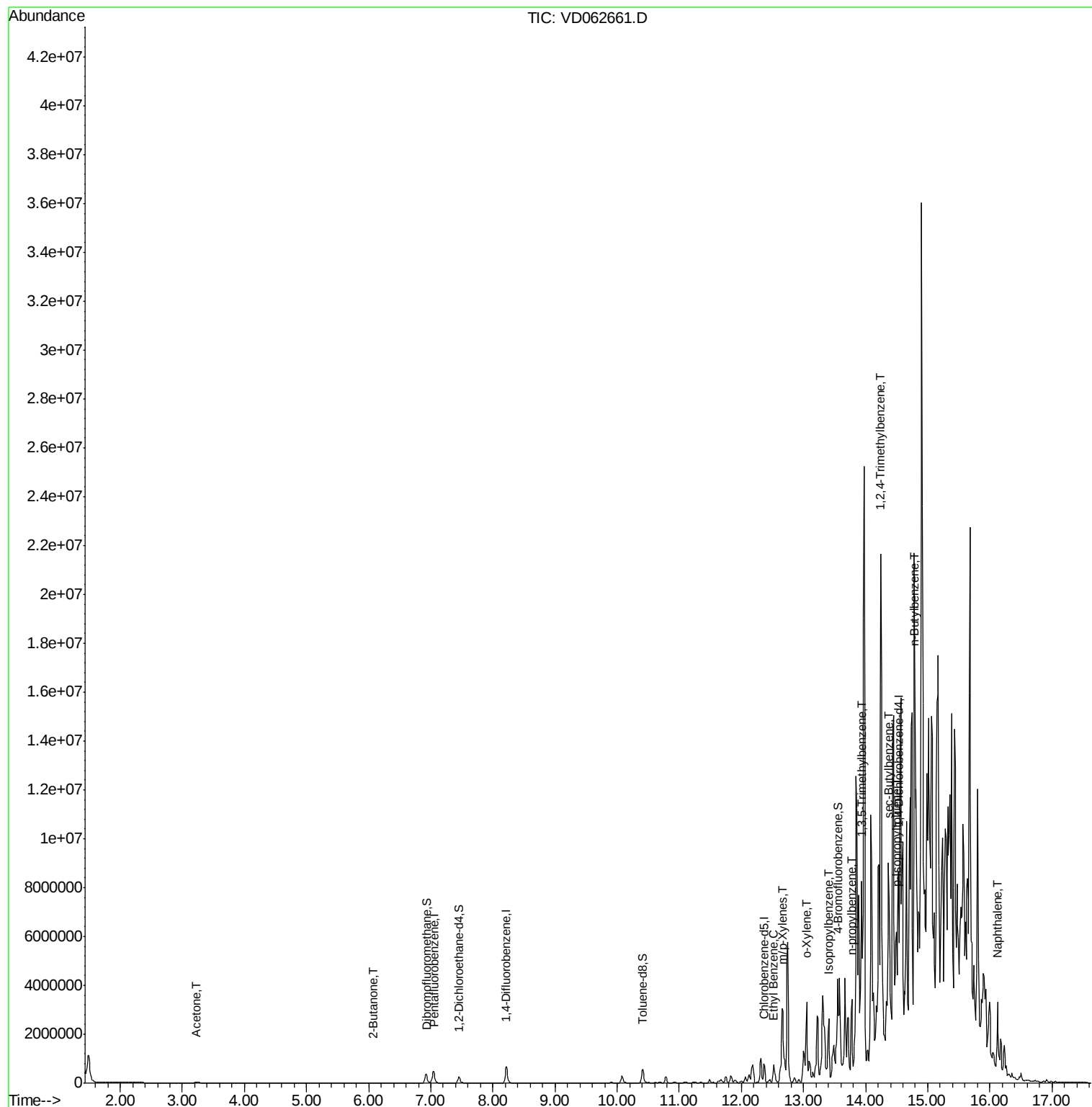
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061019\
Data File : VD062661.D
Acq On : 10 Jun 2019 18:43
Operator : VA/AP
Sample : K3274-05
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

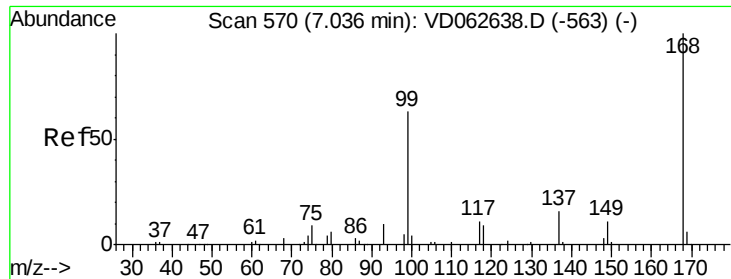
Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:48 AM

Quant Time: Jun 11 08:19:54 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: VD062661.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0 060719

Tot Ion:168 Resp: 449521

Ion Ratio Lower Upper

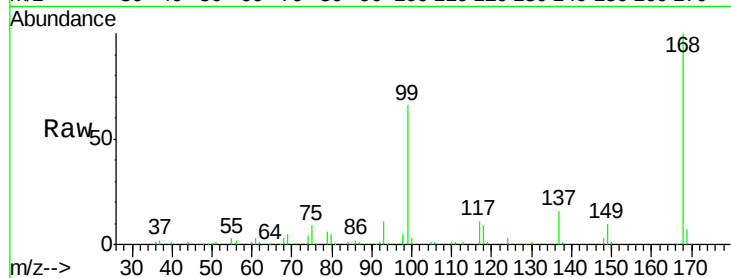
168 100

99 66.4 51.4 77.2

Manual Integrations
APPROVED

MMDadoda

6/14/2019 12:38:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

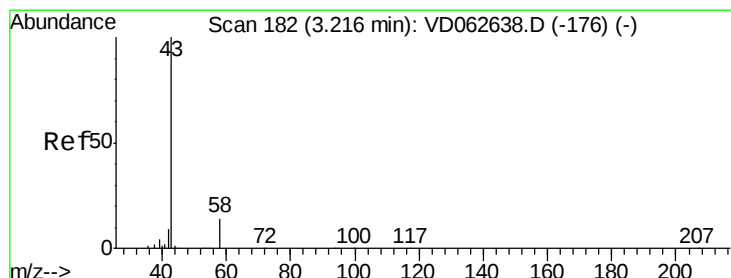
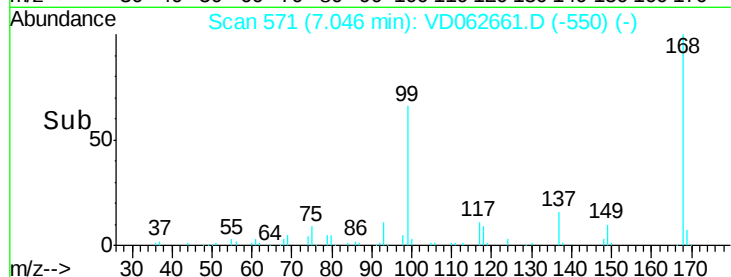
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 92.478 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062661.D

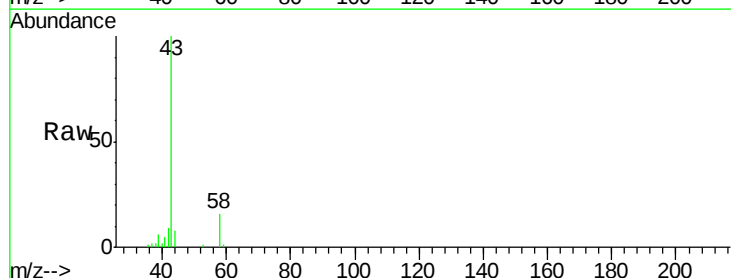
Acq: 10 Jun 2019 18:43

Tgt Ion: 43 Resp: 109845

Ion Ratio Lower Upper

43 100

58 16.4 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

40000

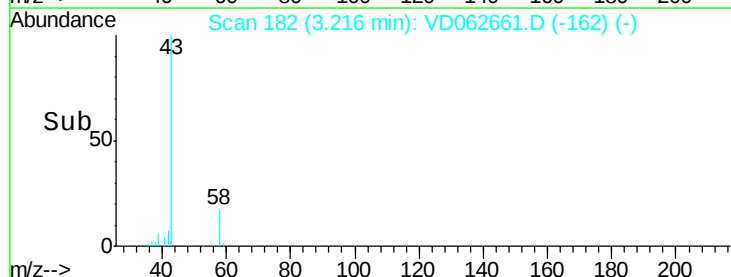
30000

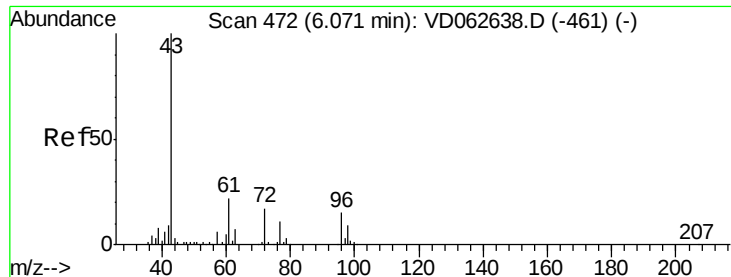
20000

10000

0

Time-->





#25

2-Butanone

Concen: 12.140 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062661.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0 060719

Tot Ion: 43 Resp: 14068

Ion Ratio Lower Upper

43 100

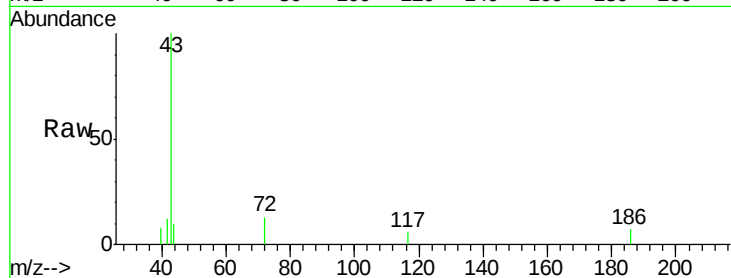
72 12.1 13.5 20.3#

Manual Integrations

APPROVED

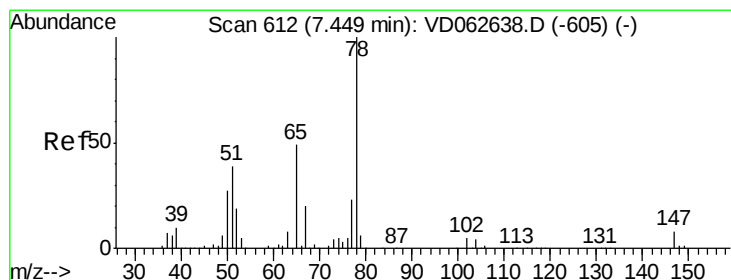
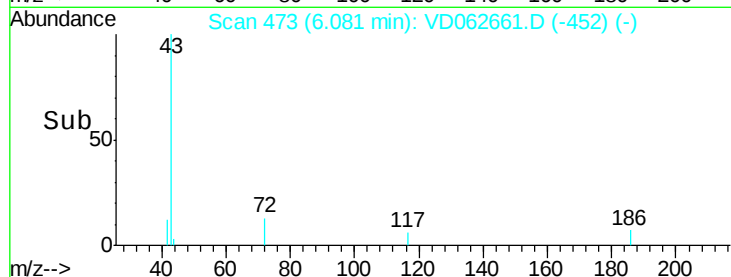
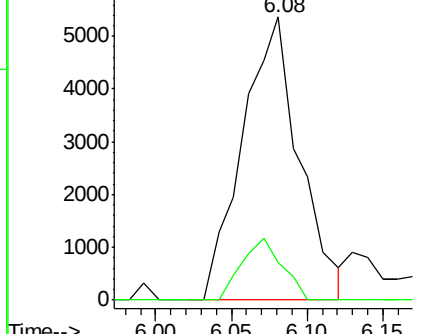
MMDadoda

6/14/2019 12:38:48 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 48.131 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062661.D

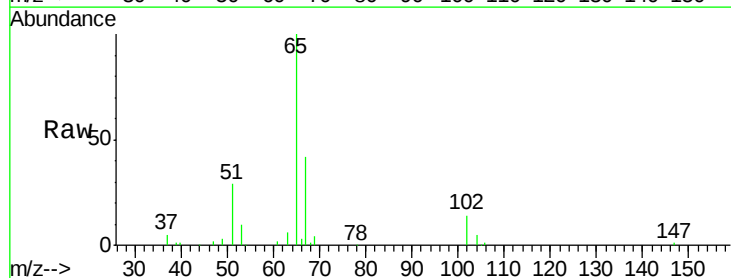
Acq: 10 Jun 2019 18:43

Tgt Ion: 65 Resp: 312205

Ion Ratio Lower Upper

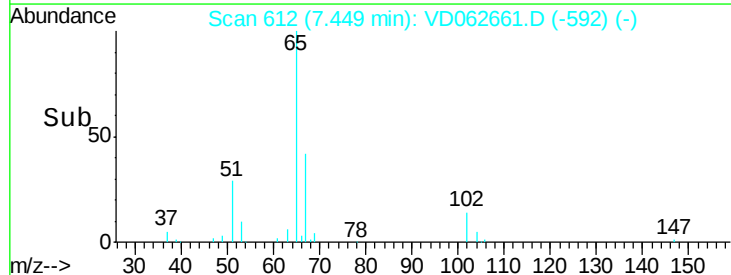
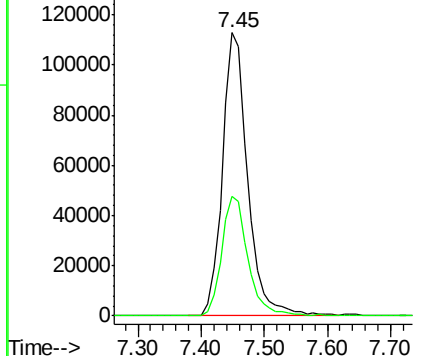
65 100

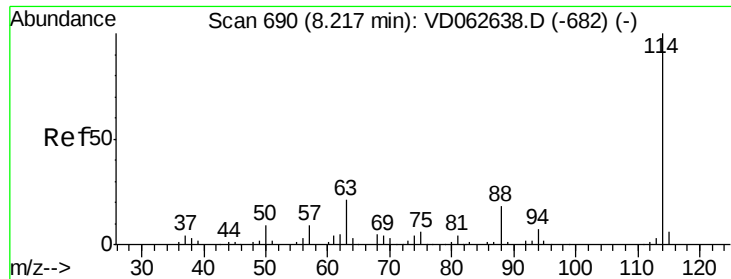
67 42.2 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





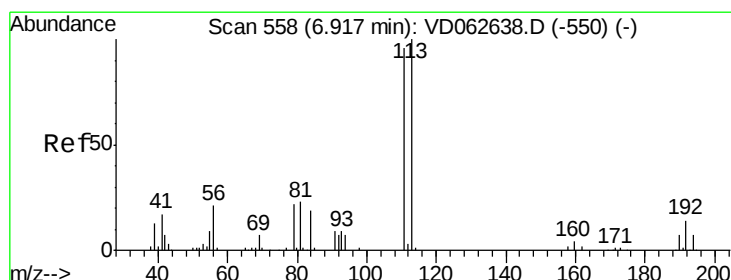
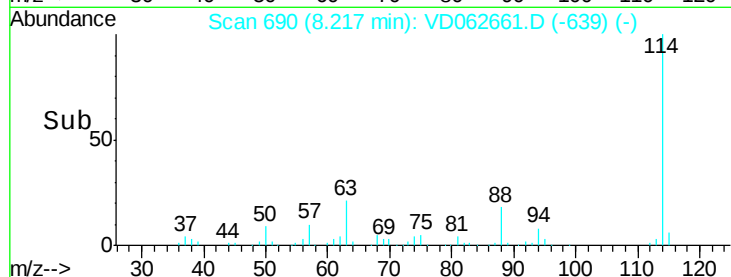
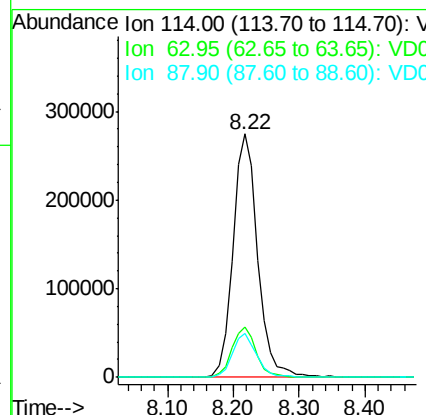
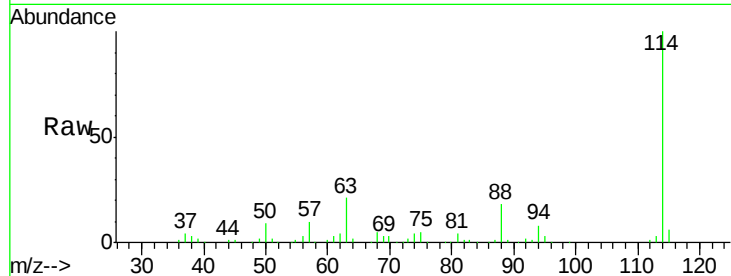
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062661.D
 Acq: 10 Jun 2019 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 0.5-1.0 060719

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.6	0.0	42.4
88	18.3	0.0	36.8

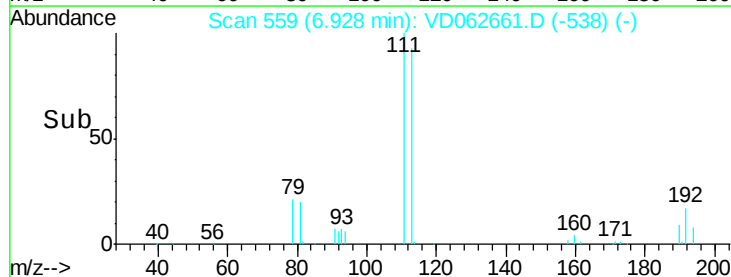
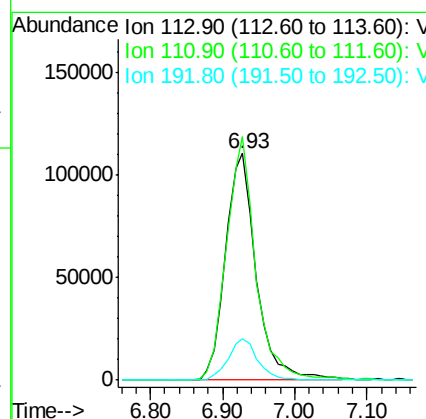
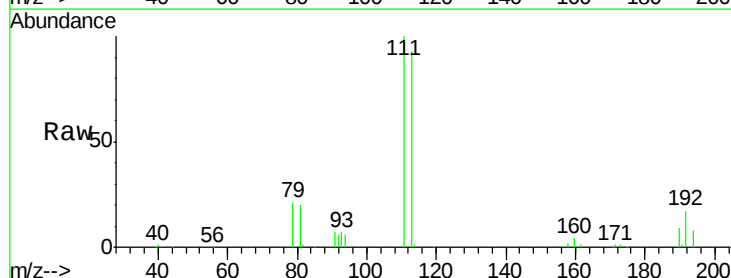
Manual Integrations
 APPROVED

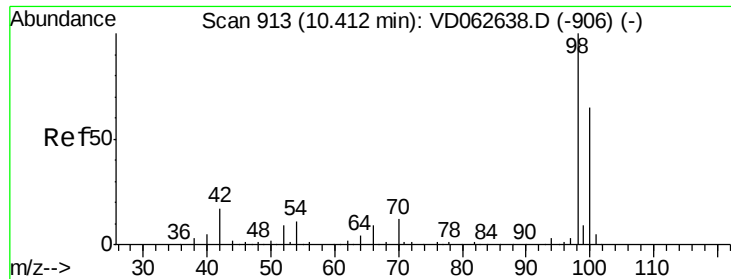
MMDadoda
 6/14/2019 12:38:48 AM



#35
 Dibromofluoromethane
 Concen: 42.780 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD062661.D
 Acq: 10 Jun 2019 18:43

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	107.3	76.4	114.6
192	18.3	11.4	17.0#





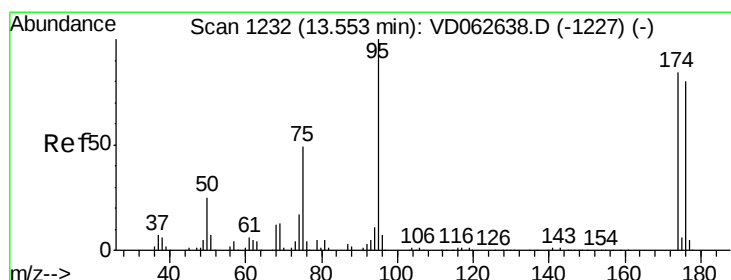
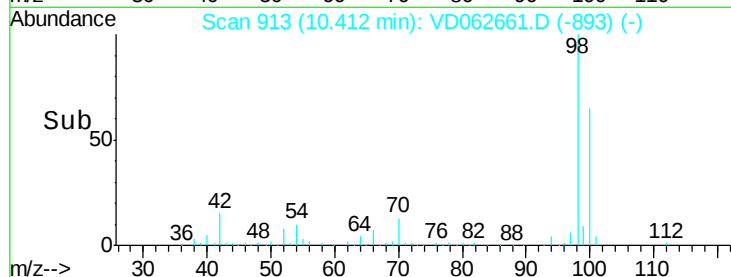
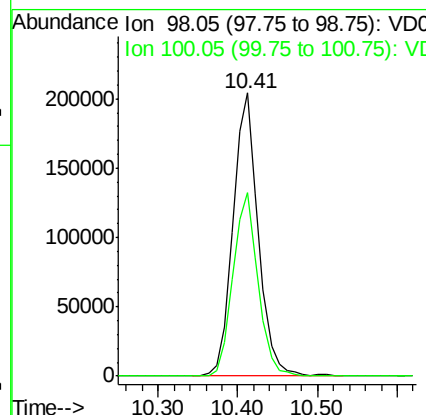
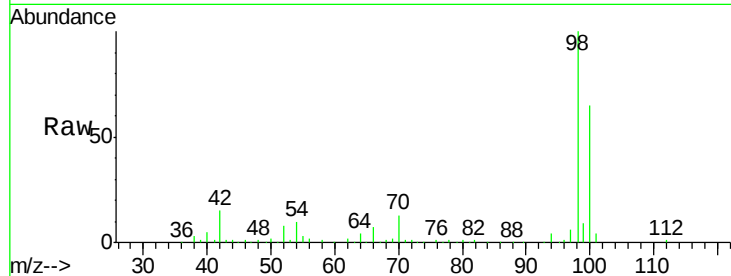
#50
Toluene-d8
Concen: 28.331 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Tot Ion: 98 Resp: 453185
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

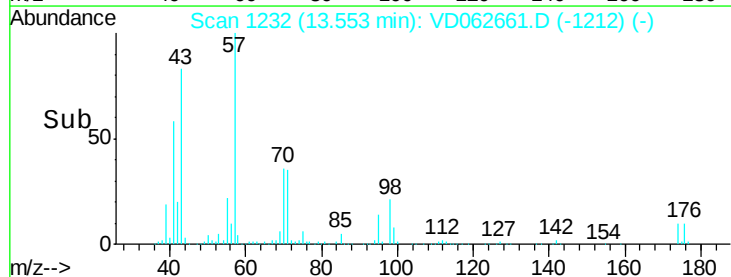
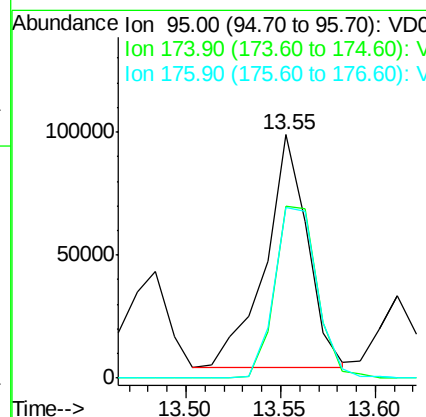
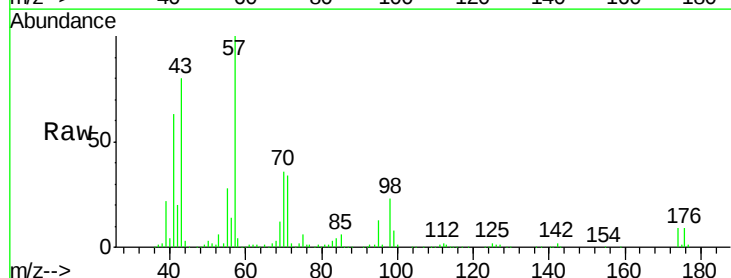
Manual Integrations
APPROVED

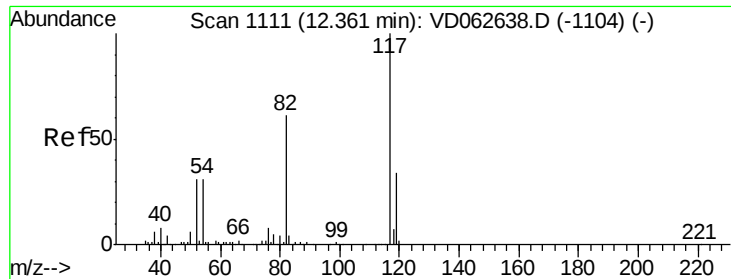
MMDadoda
6/14/2019 12:38:48 AM



#62
4-Bromofluorobenzene
Concen: 19.442 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Tgt Ion: 95 Resp: 145089
Ion Ratio Lower Upper
95 100
174 70.5 0.0 167.0
176 70.1 0.0 159.2





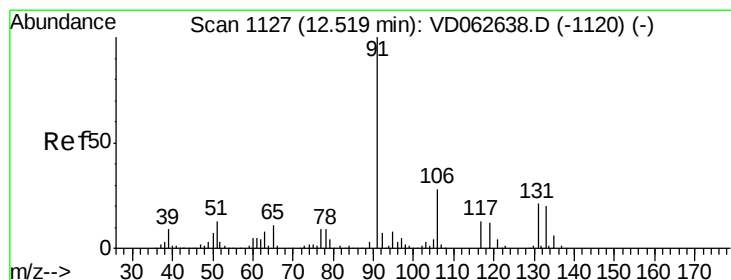
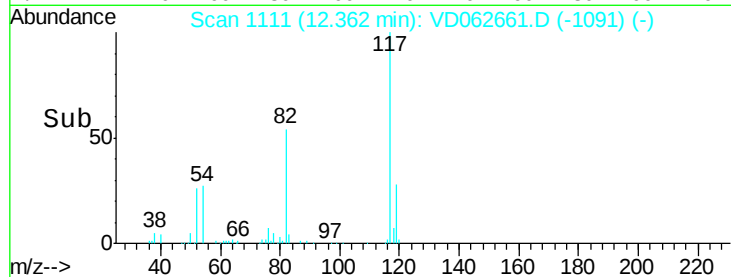
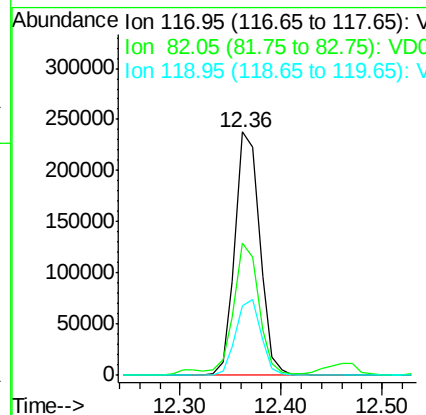
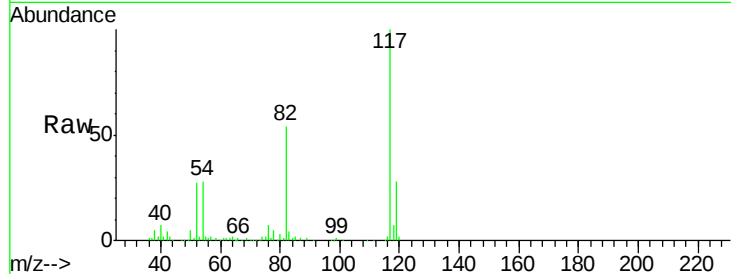
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	48.7	73.1
119	28.4	27.0	40.6

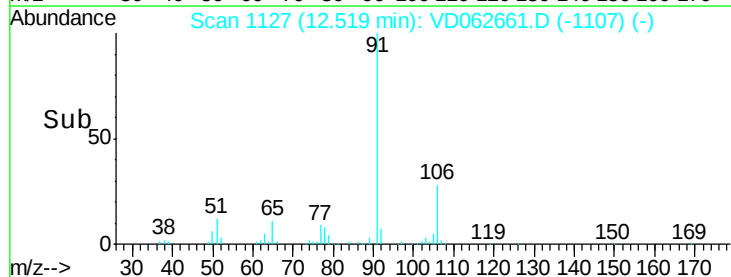
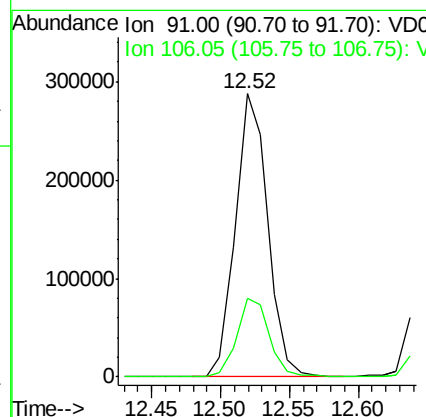
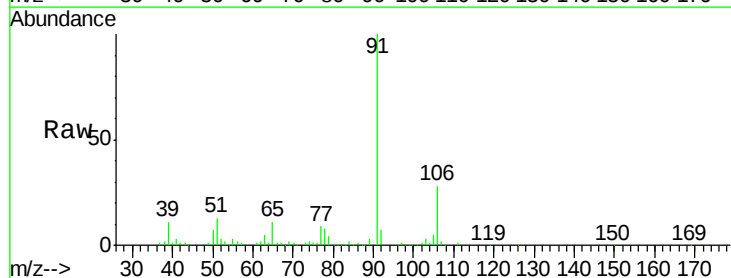
Manual Integrations
APPROVED

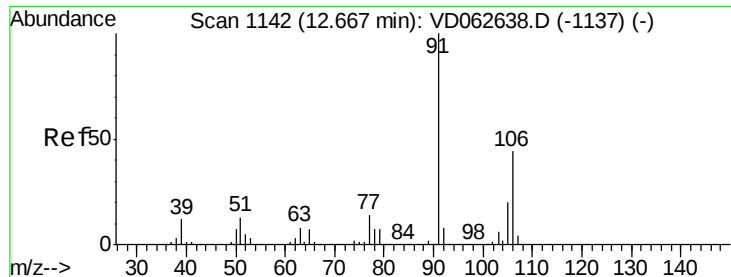
MMDadoda
6/14/2019 12:38:48 AM



#67
Ethyl Benzene
Concen: 29.311 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	22.1	33.1





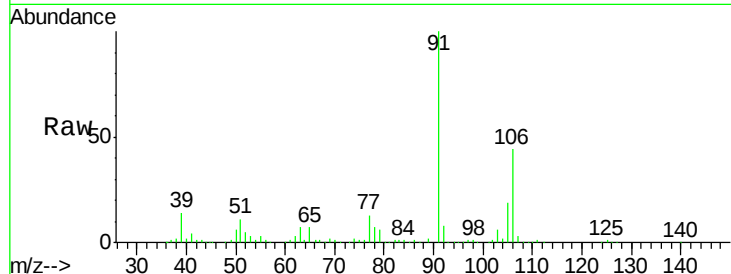
#68
m/p-Xylenes
Concen: 145.756 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

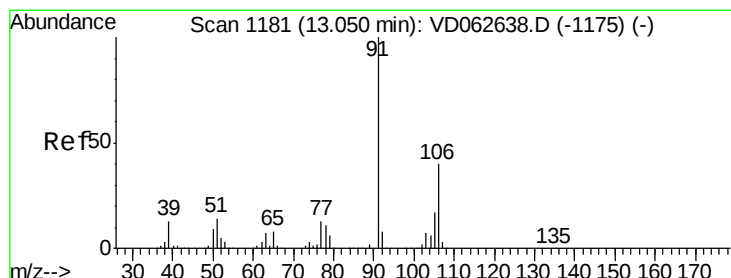
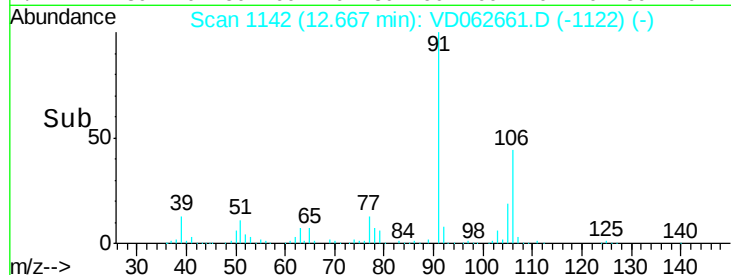
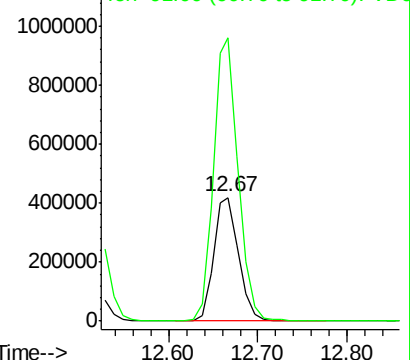
Tot Ion:106 Resp: 821729
Ion Ratio Lower Upper
106 100
91 229.3 180.2 270.4

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:48 AM

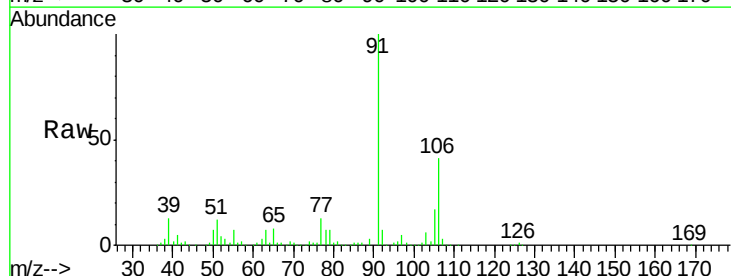


Abundance Ion 106.05 (105.75 to 106.75): V

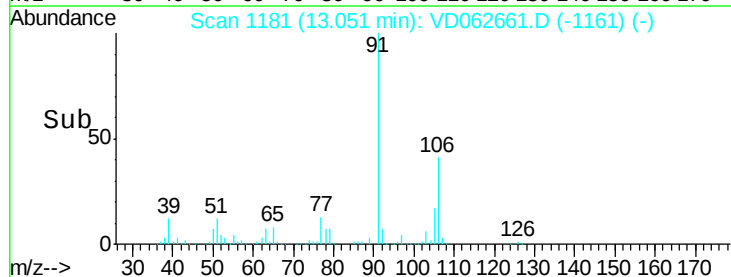
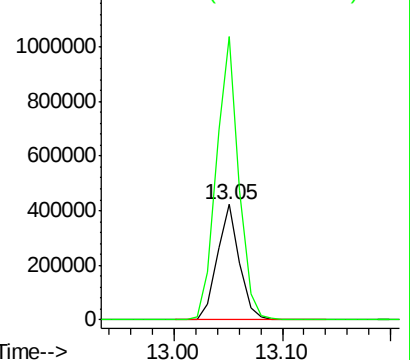


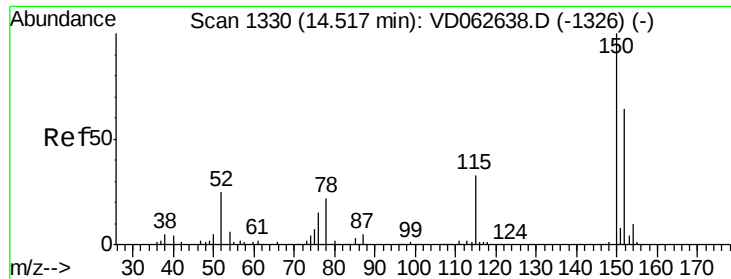
#69
o-Xylene
Concen: 115.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Tgt Ion:106 Resp: 599129
Ion Ratio Lower Upper
106 100
91 244.9 124.1 372.1



Abundance Ion 106.05 (105.75 to 106.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062661.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_D

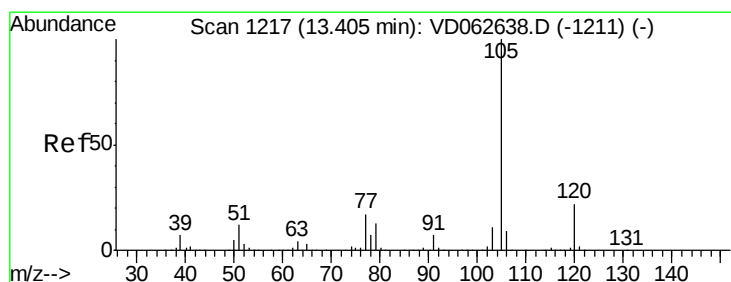
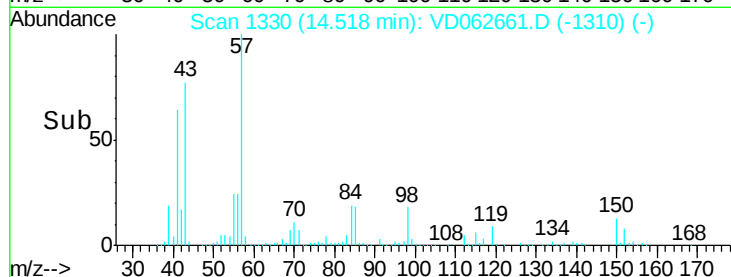
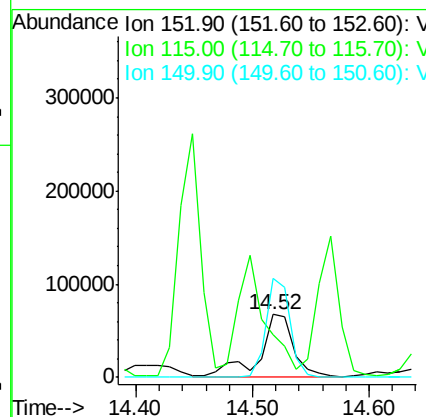
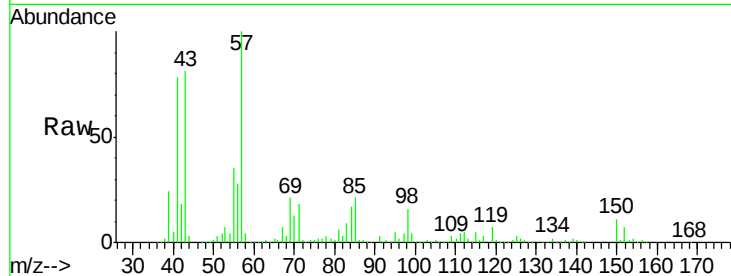
ClientSampleId :

SB-13 0.5-1.0 060719

Tot Ion	Ratio	Lower	Upper
152	100		
115	66.7	30.1	90.5
150	156.7	0.0	314.0

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:48 AM



#73

Isopropylbenzene

Concen: 108.948 ug/l

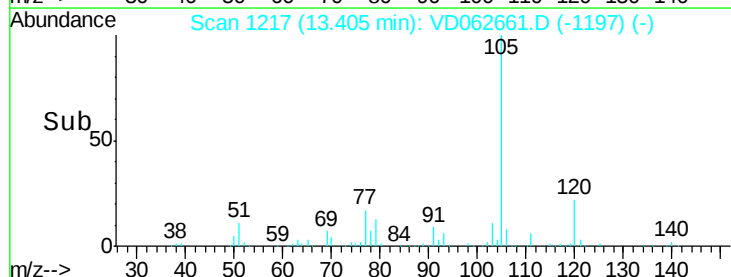
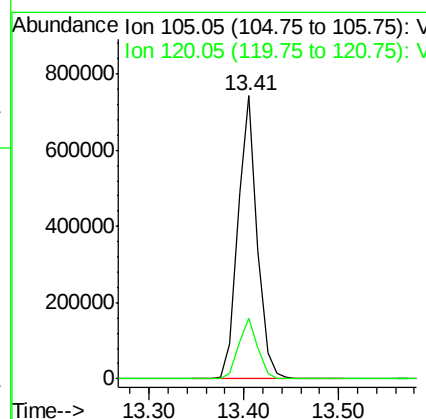
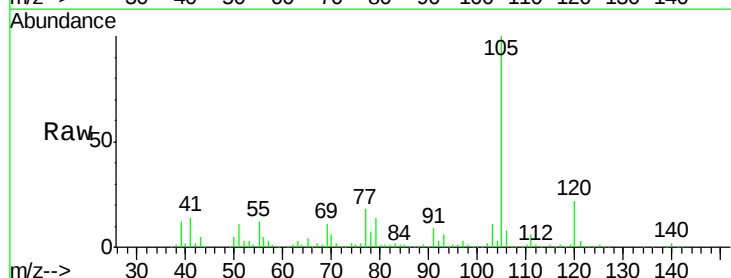
RT: 13.41 min Scan# 1217

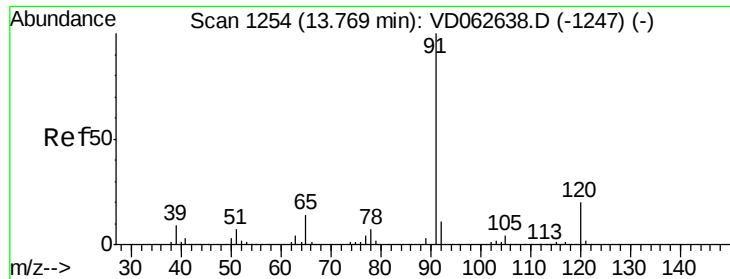
Delta R.T. 0.00 min

Lab File: VD062661.D

Acq: 10 Jun 2019 18:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	21.5	10.9	32.7





#78

n-propylbenzene

Concen: 177.405 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062661.D

Acq: 10 Jun 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0 060719

Tot Ion: 91 Resp: 2068410

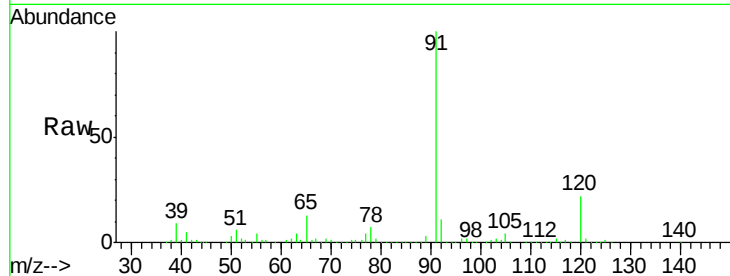
Ion Ratio Lower Upper

91 100

120 21.9 9.8 29.5

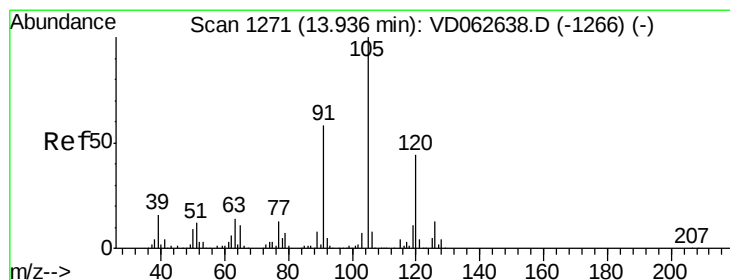
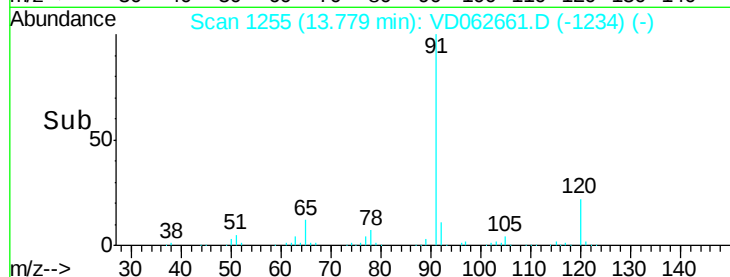
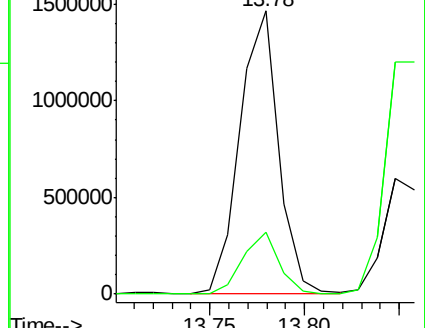
Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:48 AM



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: 292.889 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062661.D

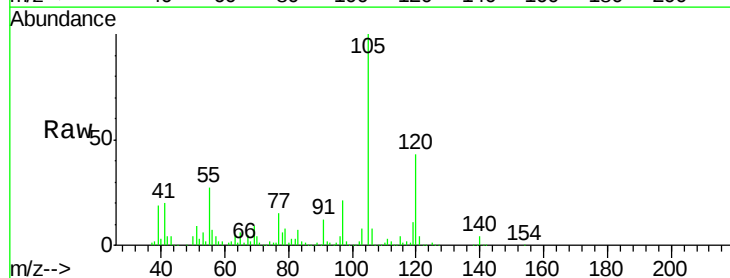
Acq: 10 Jun 2019 18:43

Tgt Ion: 105 Resp: 2465579

Ion Ratio Lower Upper

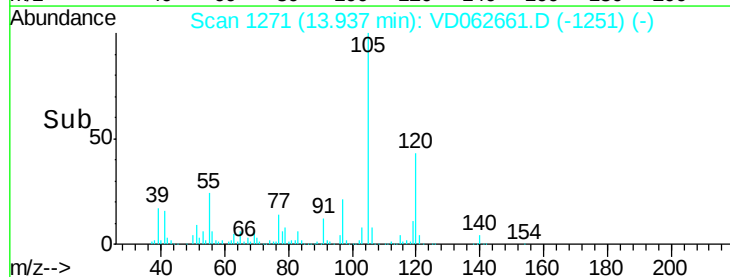
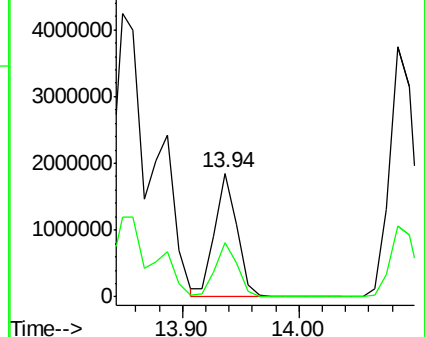
105 100

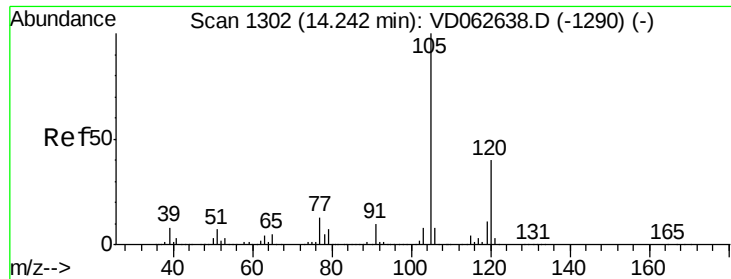
120 43.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





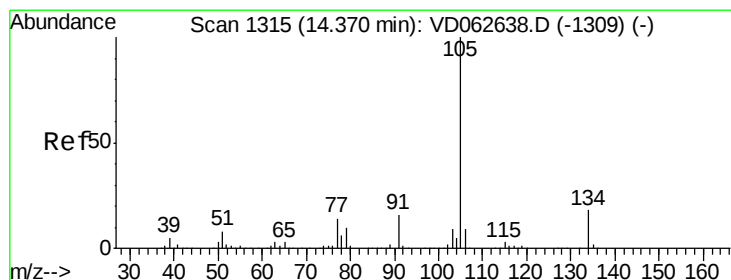
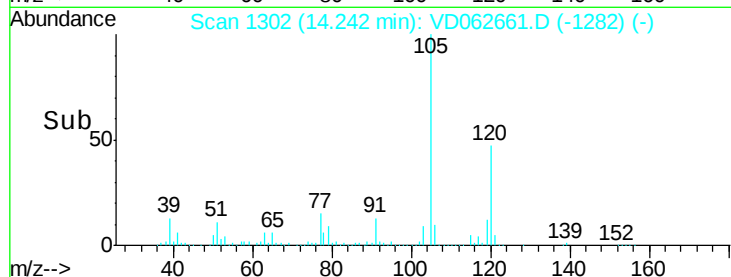
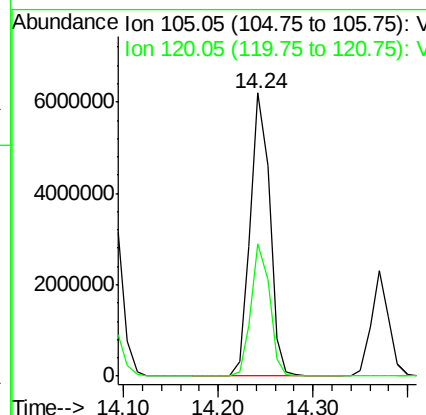
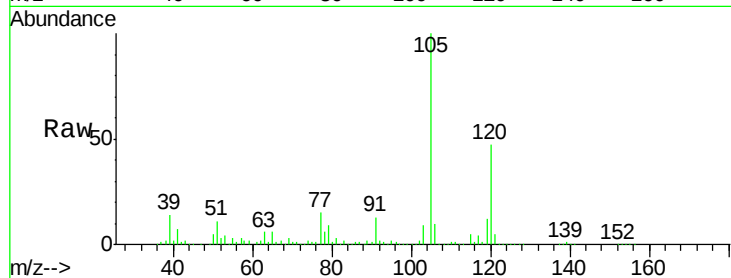
#84
1,2,4-Trimethylbenzene
Concen: 1057.025 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Tot Ion:105 Resp: 8810205
Ion Ratio Lower Upper
105 100
120 46.9 20.3 60.8

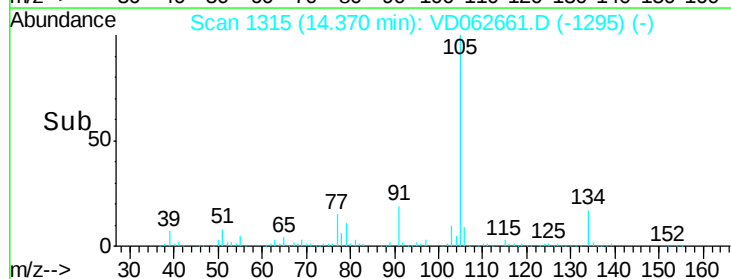
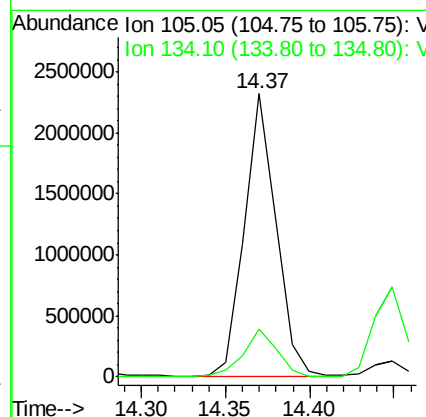
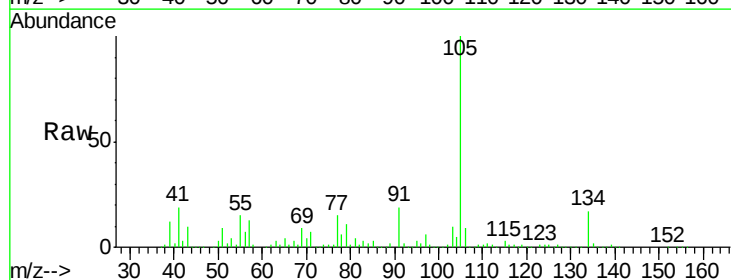
Manual Integrations
APPROVED

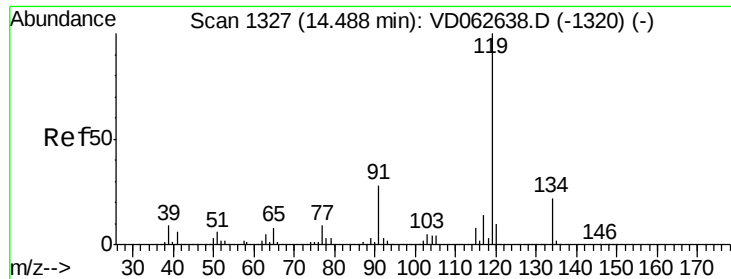
MMDadoda
6/14/2019 12:38:48 AM



#85
sec-Butylbenzene
Concen: 310.475 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Tgt Ion:105 Resp: 3022812
Ion Ratio Lower Upper
105 100
134 16.9 8.8 26.2





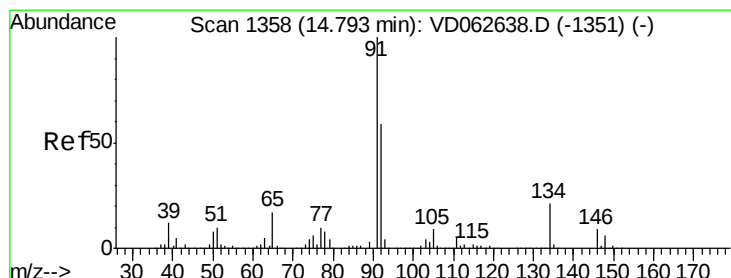
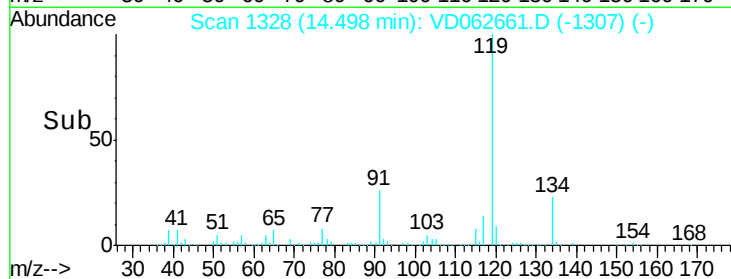
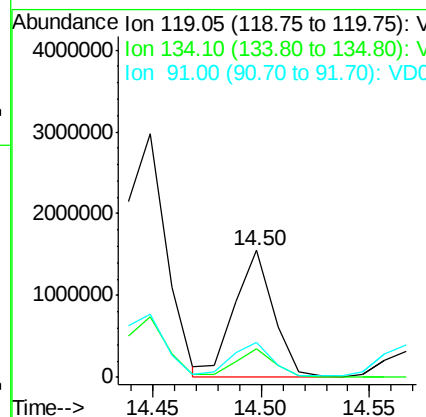
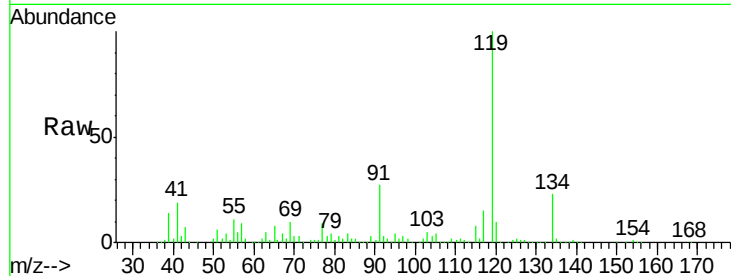
#86
p-Isopropyltoluene
Concen: 203.484 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.8	10.9	32.6
91	27.4	13.9	41.6

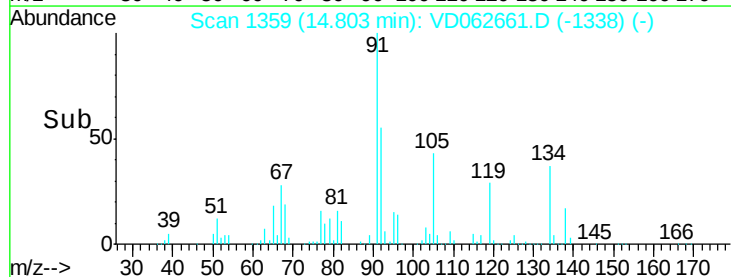
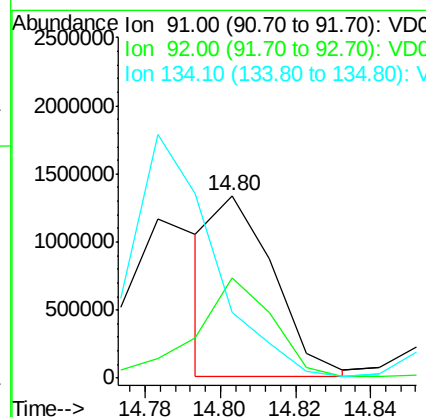
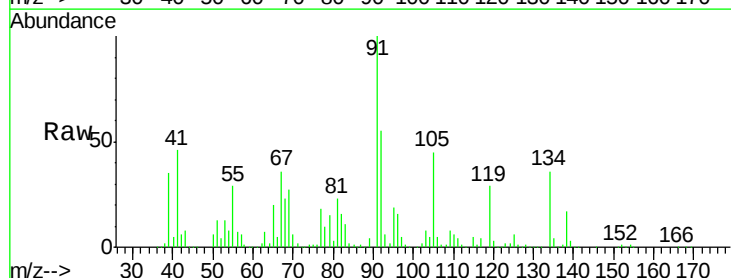
Manual Integrations
APPROVED

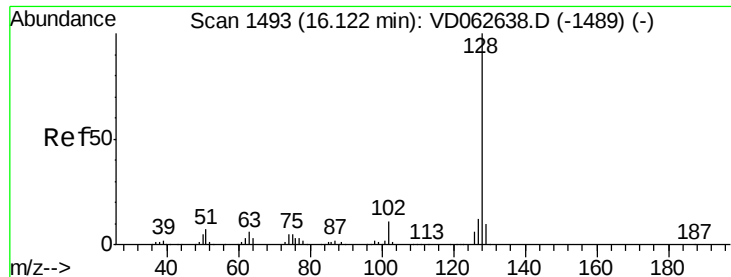
MMDadoda
6/14/2019 12:38:48 AM



#89
n-Butylbenzene
Concen: 167.221 ug/l m
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	29.4	88.3
134	36.3	10.4	31.2#





#95
Naphthalene
Concen: 276.639 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062661.D
Acq: 10 Jun 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	10.8	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:48 AM

