

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062445.D
 Acq On : 17 May 2019 18:07
 Operator : FY/SY
 Sample : K2896-06
 Misc : 4.42g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20-S2

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:23:36 PM

Quant Time: May 18 00:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	432736	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	560780	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	359970	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	106493	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	171068	42.54	ug/l	0.03
Spiked Amount 50.000			Recovery	=	85.08%	
35) Dibromofluoromethane	6.93	113	161043	34.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	69.22%	
50) Toluene-d8	10.41	98	351907	31.37	ug/l	0.01
Spiked Amount 50.000			Recovery	=	62.74%	
62) 4-Bromofluorobenzene	13.56	95	121639m	27.00	ug/l	0.01
Spiked Amount 50.000			Recovery	=	54.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	539368	639.558	ug/l #	84
17) Carbon Disulfide	3.38	76	14689	1.548	ug/l	95
39) Methylcyclohexane	8.86	83	8354	1.896	ug/l #	86
68) m/p-Xylenes	12.66	106	10829	2.652	ug/l	95
69) o-Xylene	13.05	106	9346	2.462	ug/l	66
73) Isopropylbenzene	13.40	105	12001	1.880	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	36235	6.741	ug/l	85
84) 1,2,4-Trimethylbenzene	14.24	105	83325	15.447	ug/l	89
85) sec-Butylbenzene	14.37	105	13501	2.038	ug/l #	79
86) p-Isopropyltoluene	14.49	119	10127	1.711	ug/l #	87

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

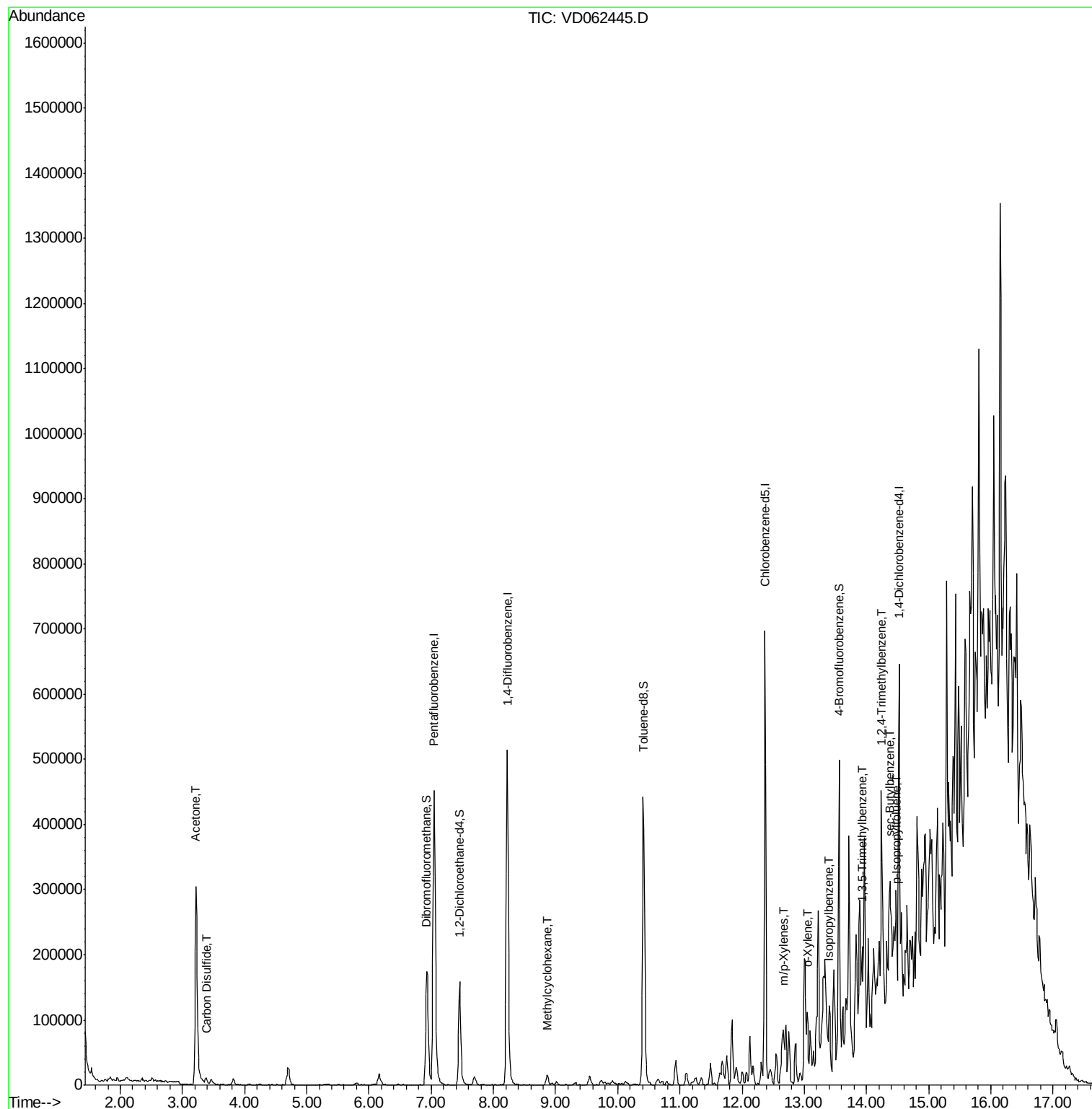
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051719\
Data File : VD062445.D
Acq On : 17 May 2019 18:07
Operator : FY/SY
Sample : K2896-06
Misc : 4.42g/5mL/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

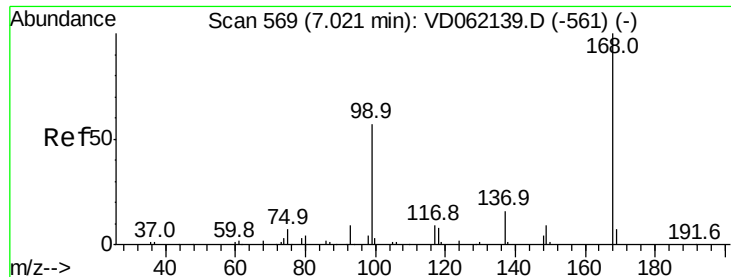
Instrument :
MSVOA_D
ClientSampleId :
TP-20-S2

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:23:36 PM

Quant Time: May 18 00:55:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062445.D

Acq: 17 May 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

TP-20-S2

Tot Ion:168 Resp: 432736

Ion Ratio Lower Upper

168 100

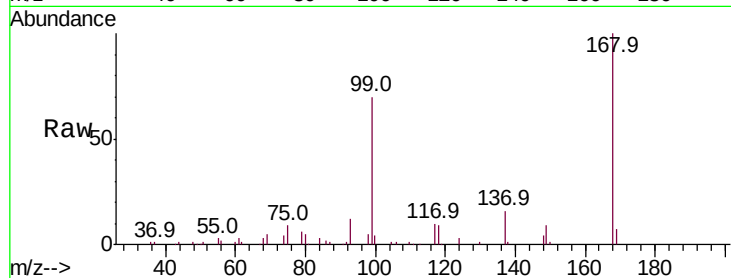
99 69.8 46.5 69.7#

Manual Integrations

APPROVED

MMDadoda

5/20/2019 12:23:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

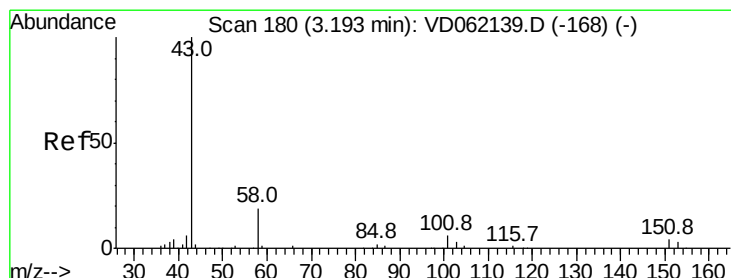
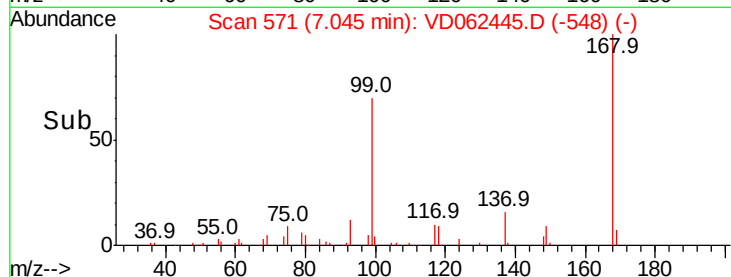
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 639.558 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062445.D

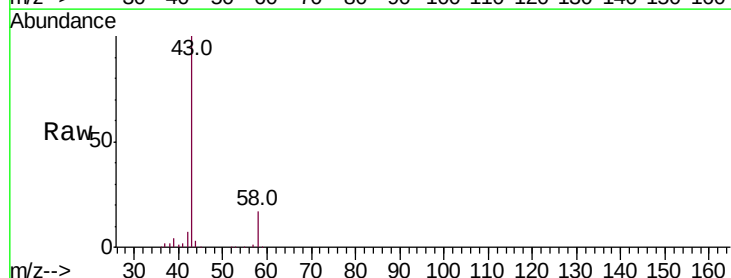
Acq: 17 May 2019 18:07

Tgt Ion: 43 Resp: 539368

Ion Ratio Lower Upper

43 100

58 16.7 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

250000

200000

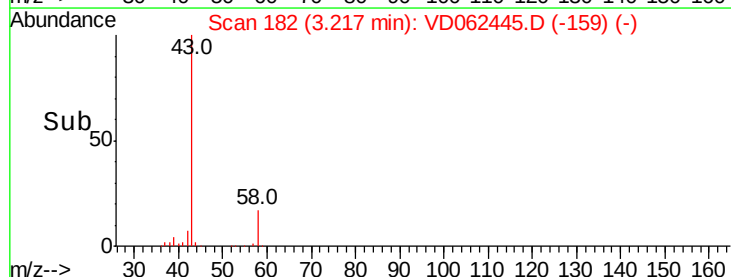
150000

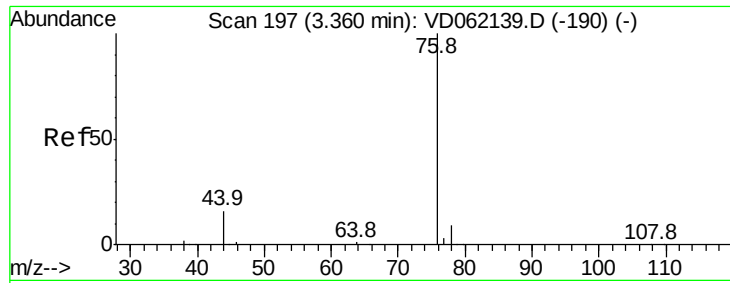
100000

50000

0

Time--> 3.10 3.20 3.30 3.40





#17

Carbon Disulfide

Concen: 1.548 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062445.D

Acq: 17 May 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

TP-20-S2

Tot Ion: 76 Resp: 14689

Ion Ratio Lower Upper

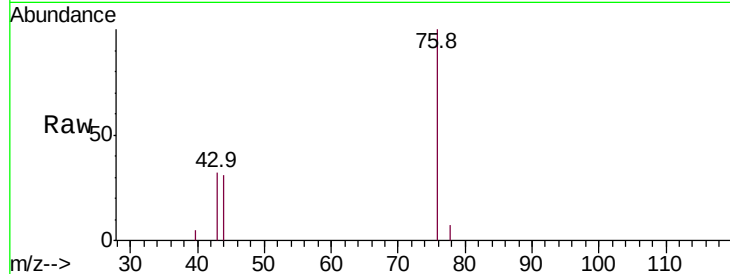
76 100

78 7.3 7.2 10.8

Manual Integrations
APPROVED

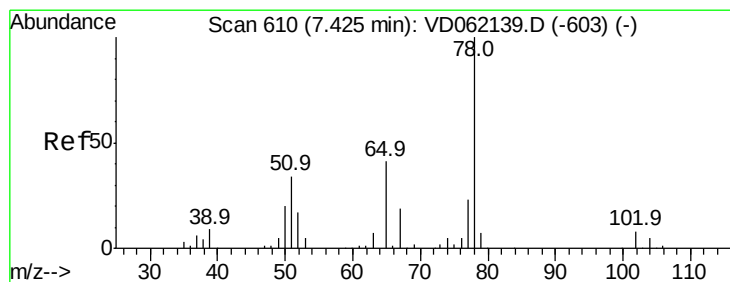
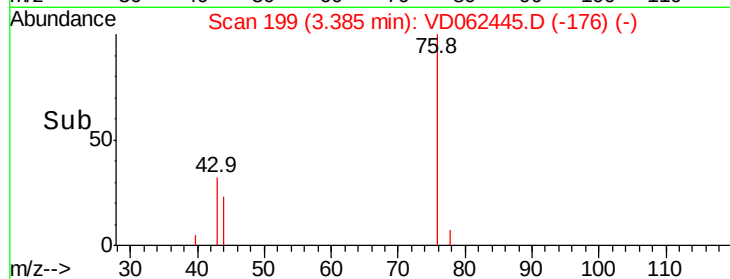
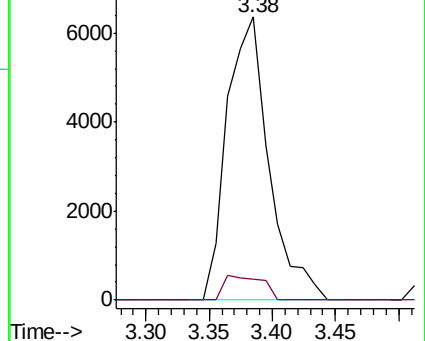
MMDadoda

5/20/2019 12:23:36 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#33

1,2-Dichloroethane-d4

Concen: 42.539 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062445.D

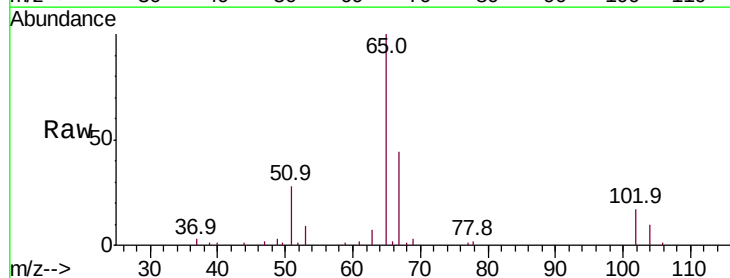
Acq: 17 May 2019 18:07

Tgt Ion: 65 Resp: 171068

Ion Ratio Lower Upper

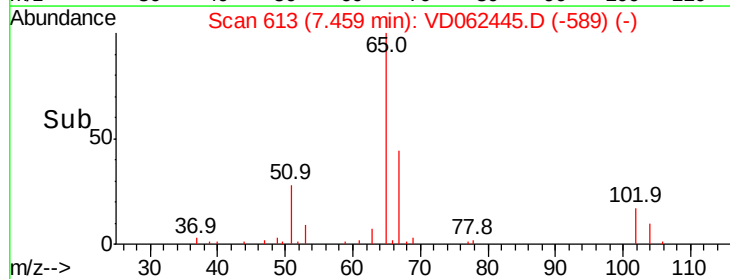
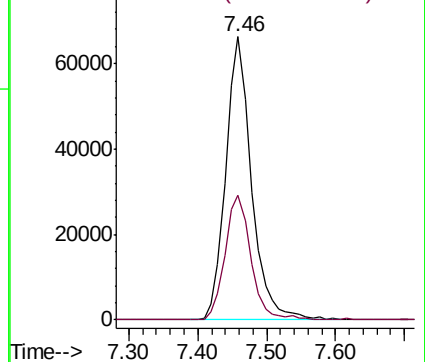
65 100

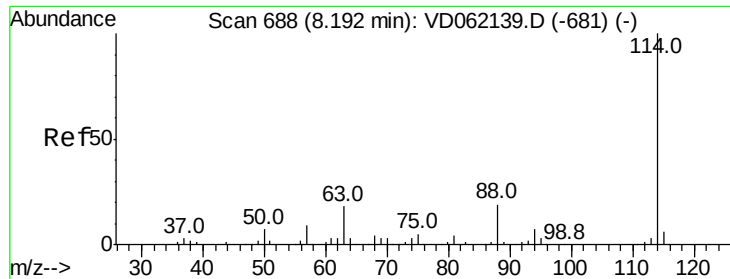
67 44.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





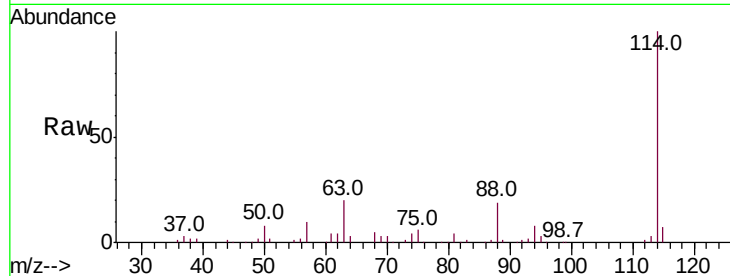
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20-S2

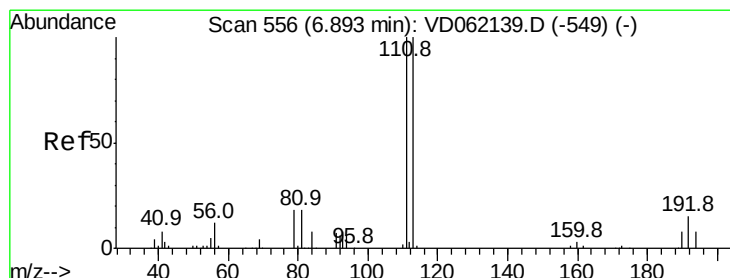
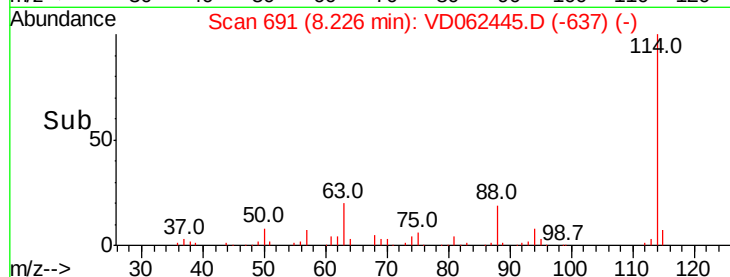
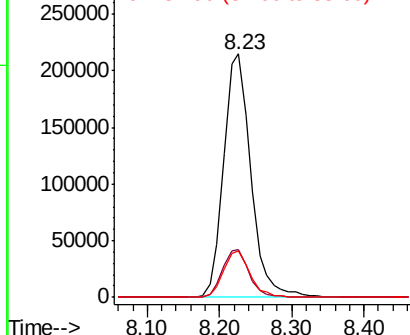
Tot Ion:	114	Resp:	560780
Ion Ratio	Lower	Upper	
114	100		
63	19.6	0.0	32.4
88	19.1	0.0	33.6

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:23:36 PM

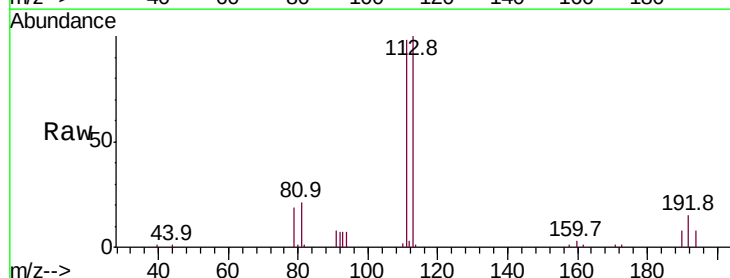


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

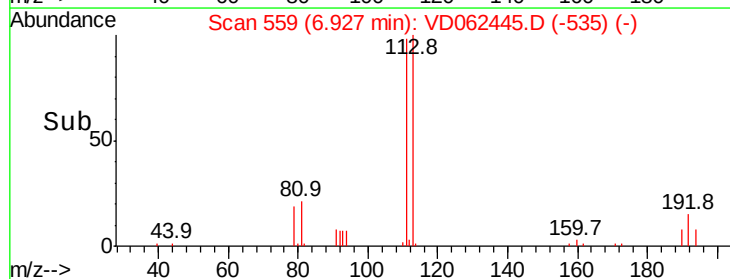
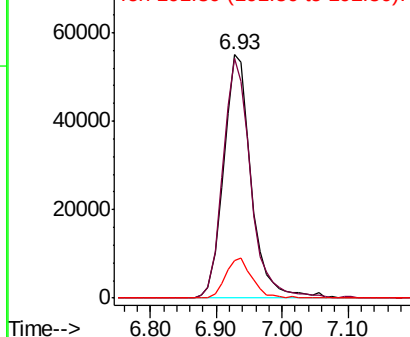


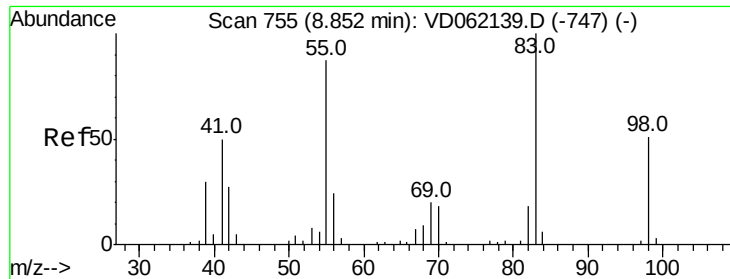
#35
 Dibromofluoromethane
 Concen: 34.612 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Tgt Ion:	113	Resp:	161043
Ion Ratio	Lower	Upper	
113	100		
111	98.5	78.5	117.7
192	15.2	13.0	19.4



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





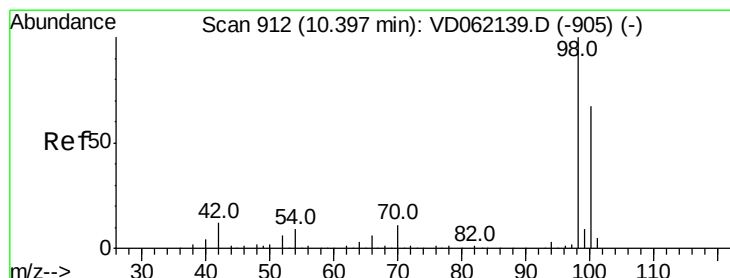
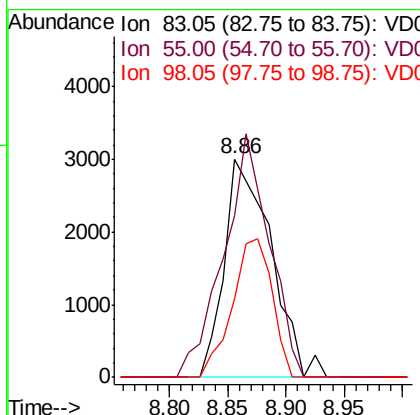
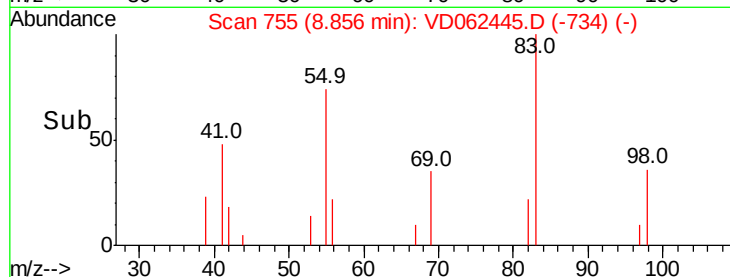
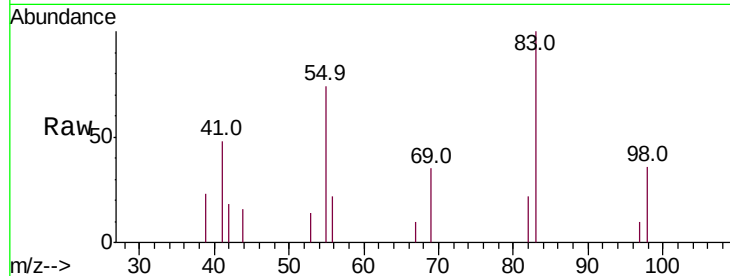
#39
Methylvlcyclohexane
Concen: 1.896 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Instrument :
MSVOA_D
ClientSampled :
TP-20-S2

Tot Ion: 83 Resp: 8354
Ion Ratio Lower Upper
83 100
55 73.8 68.2 102.4
98 35.7 38.2 57.4#

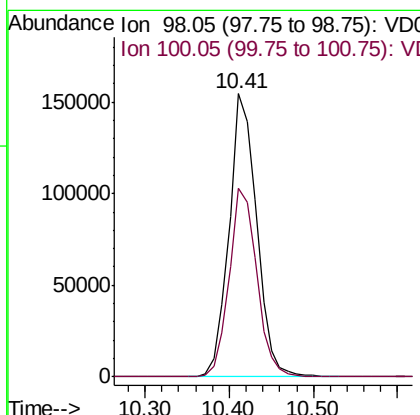
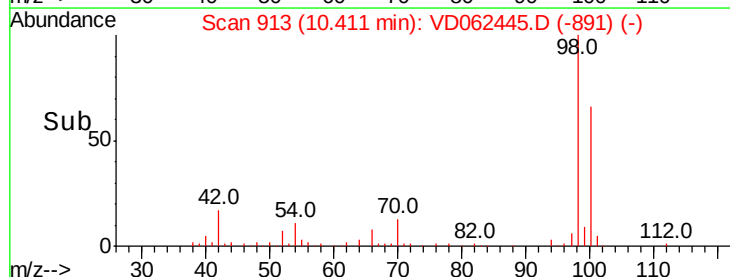
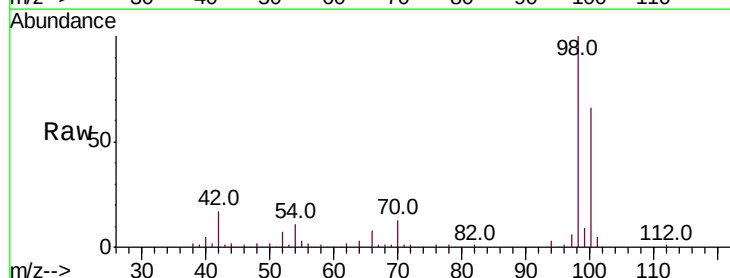
Manual Integrations
APPROVED

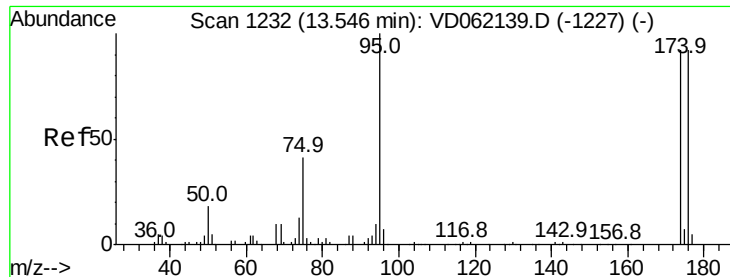
MMDadoda
5/20/2019 12:23:36 PM



#50
Toluene-d8
Concen: 31.369 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Tgt Ion: 98 Resp: 351907
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.8





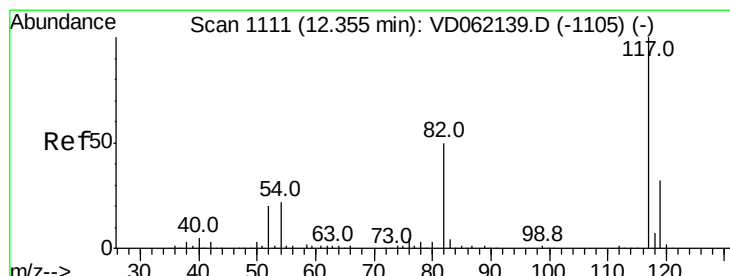
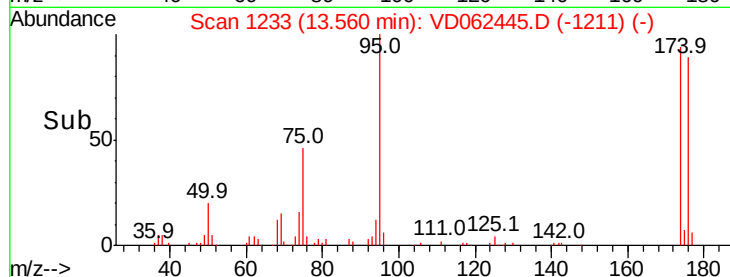
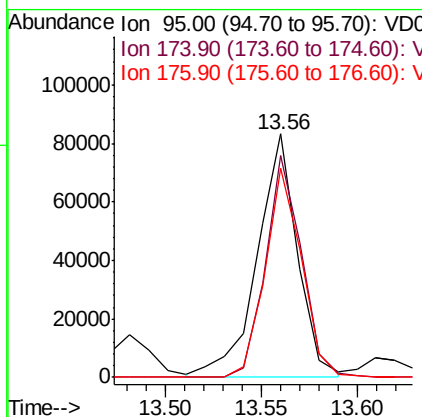
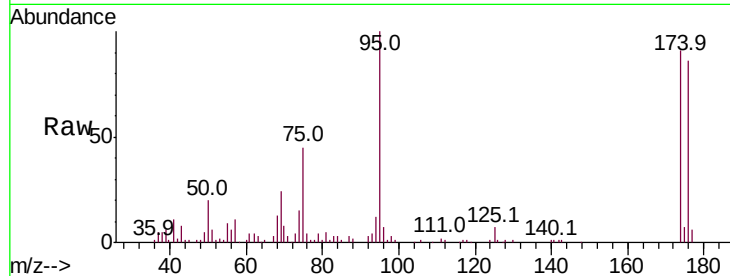
#62
4-Bromofluorobenzene
Concen: 27.002 ug/l m
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Instrument :
MSVOA_D
ClientSampled :
TP-20-S2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	121639		
174	91.0	0.0	181.8	
176	86.0	0.0	174.4	

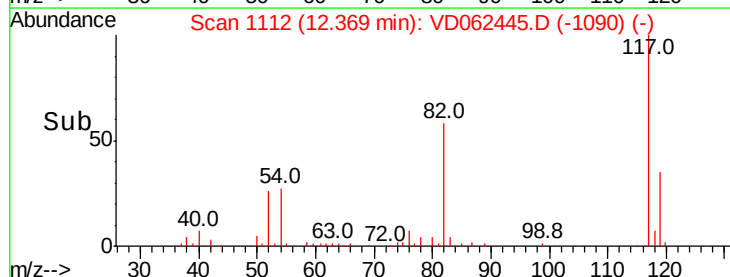
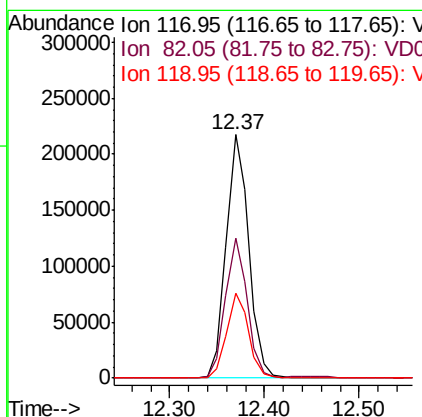
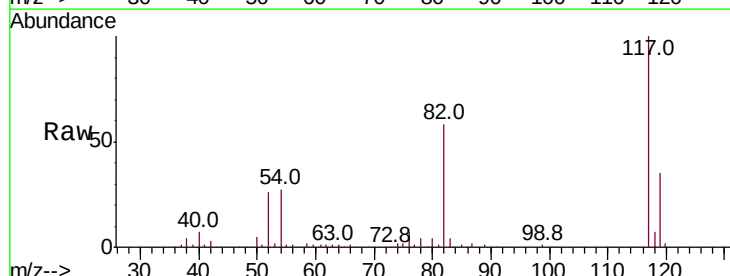
Manual Integrations
APPROVED

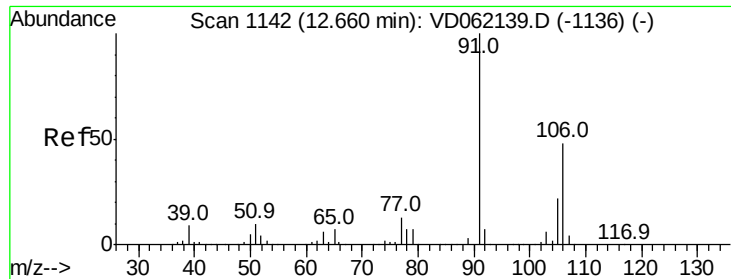
MMDadoda
5/20/2019 12:23:36 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	359970		
82	57.5	36.2	54.2#	
119	34.8	26.2	39.4	





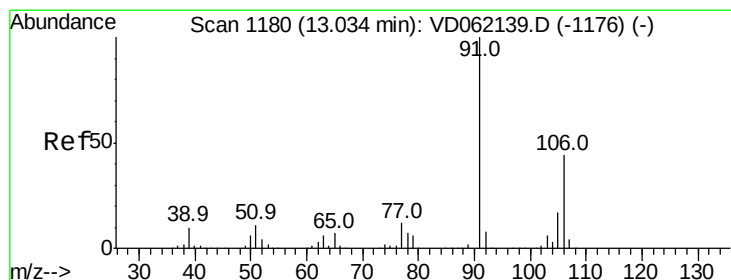
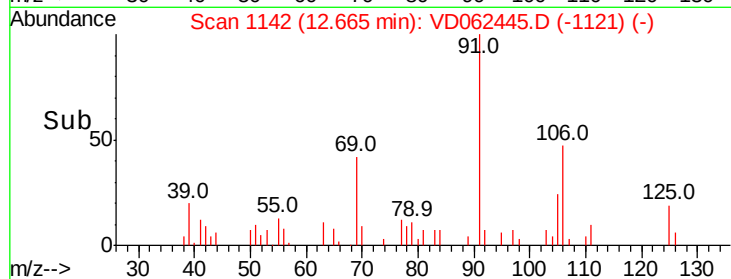
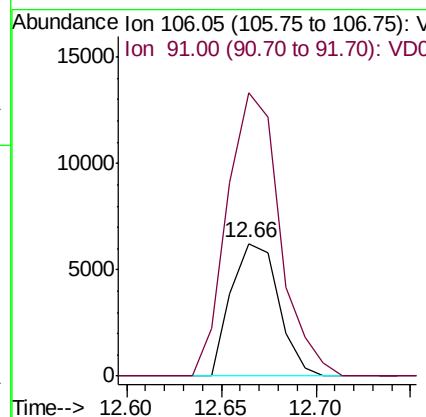
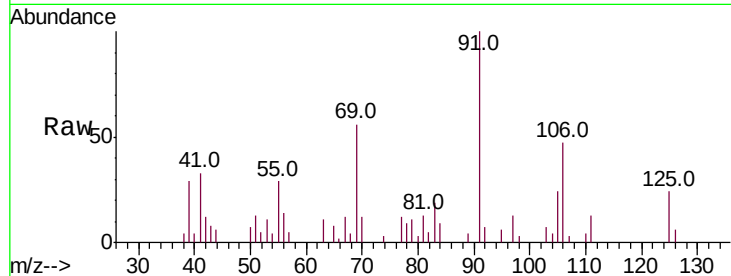
#68
m/p-Xylenes
Concen: 2.652 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Instrument :
MSVOA_D
ClientSampled :
TP-20-S2

Tot Ion:106 Resp: 10829
Ion Ratio Lower Upper
106 100
91 213.5 164.0 246.0

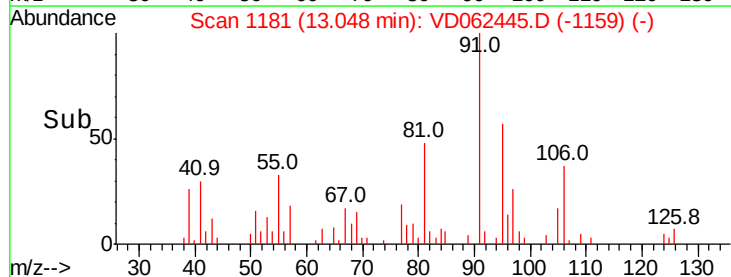
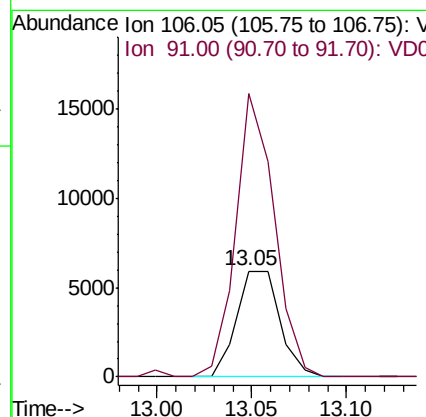
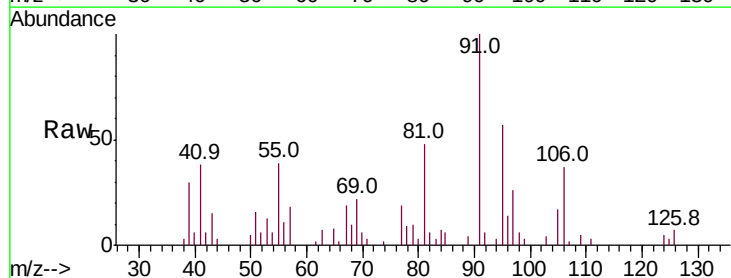
Manual Integrations
APPROVED

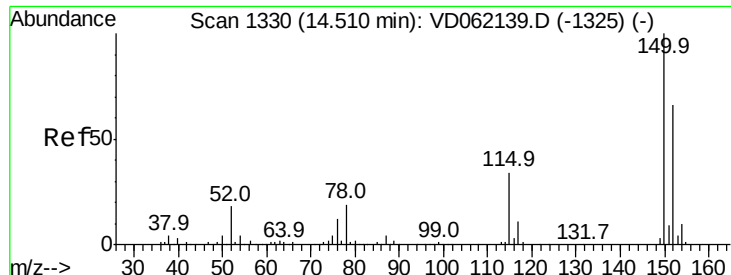
MMDadoda
5/20/2019 12:23:36 PM



#69
o-Xylene
Concen: 2.462 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062445.D
Acq: 17 May 2019 18:07

Tgt Ion:106 Resp: 9346
Ion Ratio Lower Upper
106 100
91 267.3 106.7 319.9





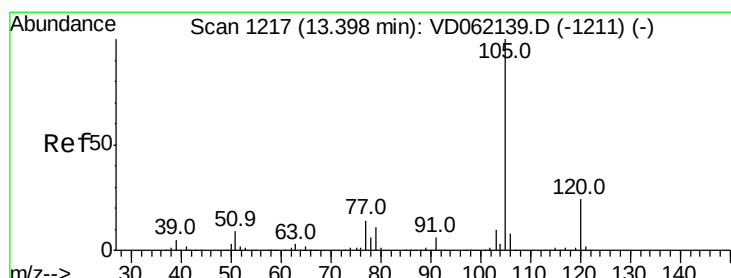
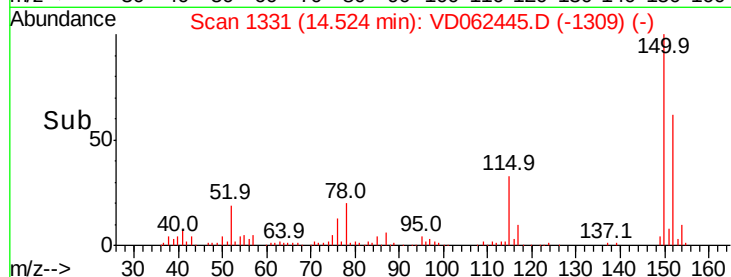
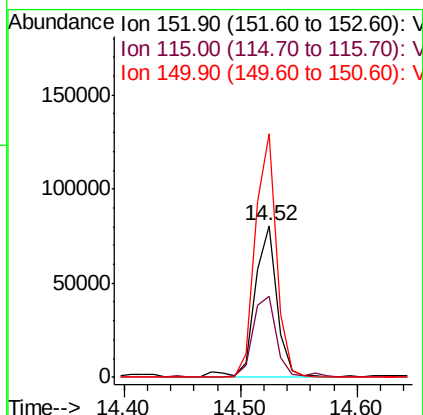
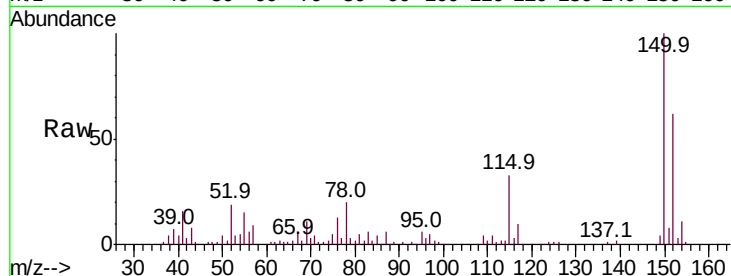
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20-S2

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.2	30.9	92.7
150	160.4	0.0	314.8

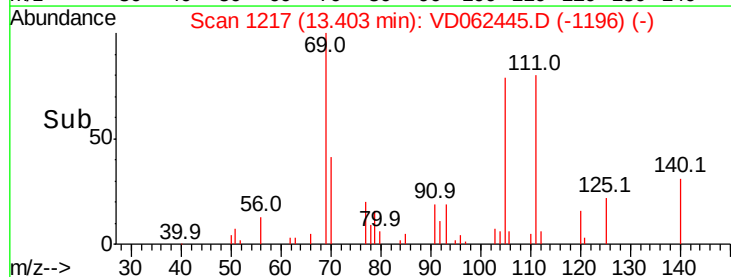
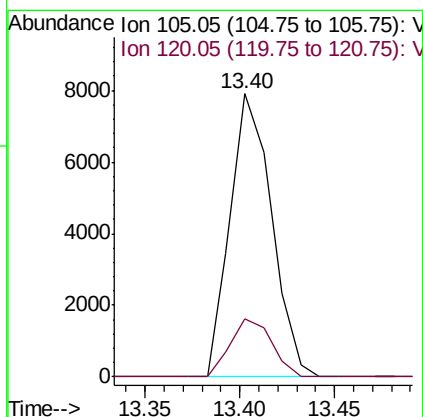
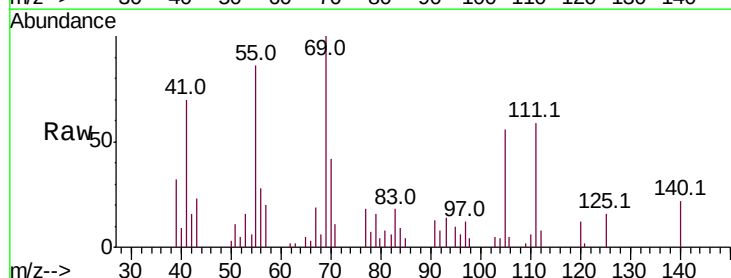
Manual Integrations
 APPROVED

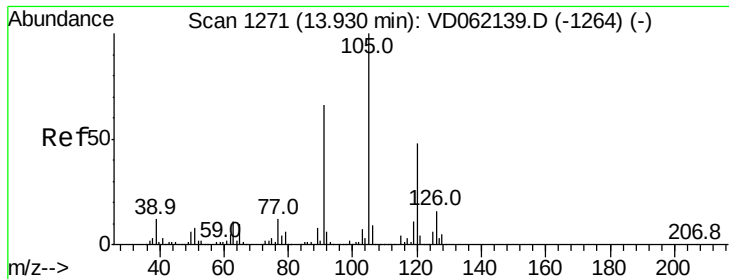
MMDadoda
 5/20/2019 12:23:36 PM



#73
 Isopropylbenzene
 Concen: 1.880 ug/l
 RT: 13.40 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	20.5	12.0	36.1





#80

1,3,5-Trimethylbenzene

Concen: 6.741 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062445.D

Acq: 17 May 2019 18:07

Instrument :

MSVOA_D

ClientSampleId :

TP-20-S2

Tot Ion:105 Resp: 36235

Ion Ratio Lower Upper

105 100

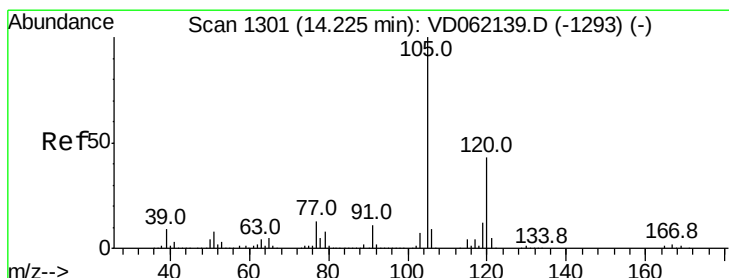
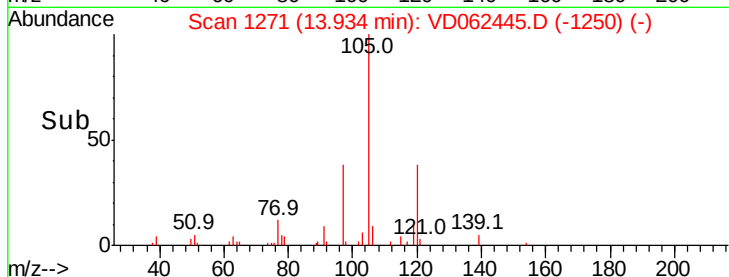
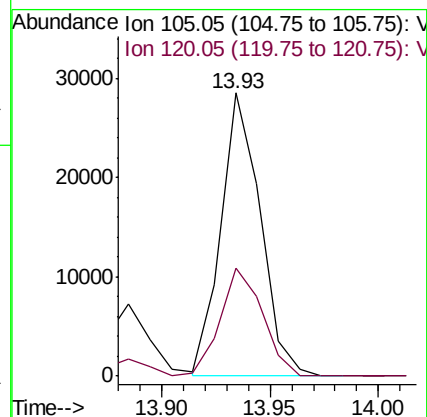
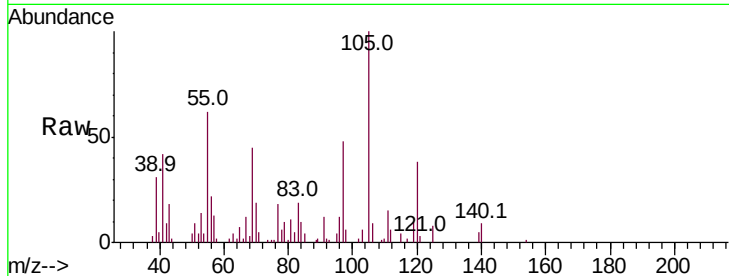
120 38.1 24.0 72.0

Manual Integrations

APPROVED

MMDadoda

5/20/2019 12:23:36 PM



#84

1,2,4-Trimethylbenzene

Concen: 15.447 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062445.D

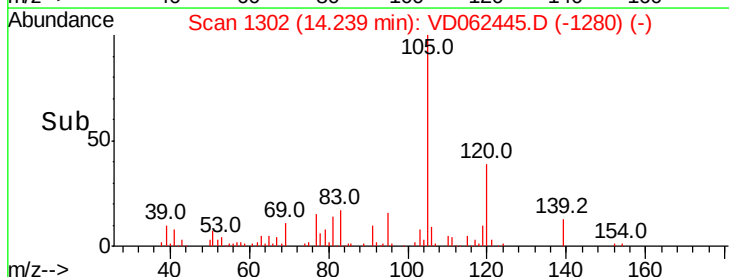
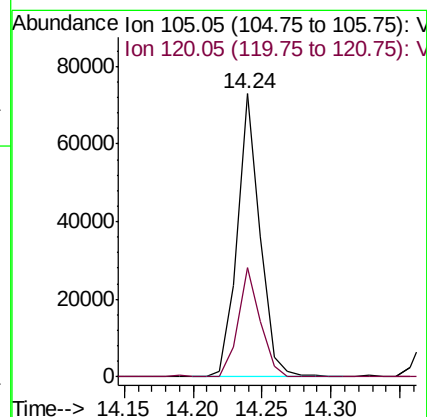
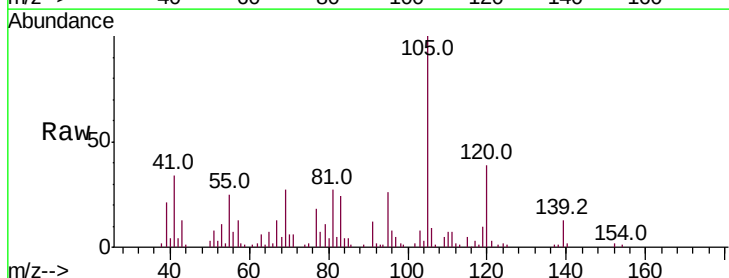
Acq: 17 May 2019 18:07

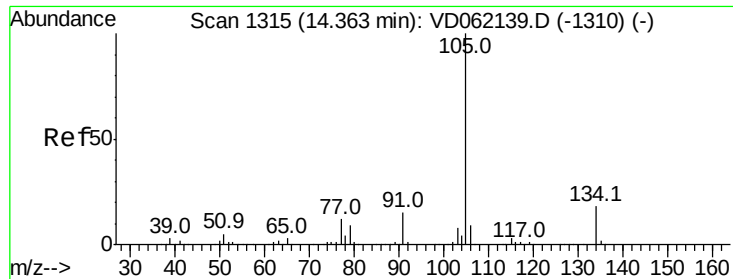
Tgt Ion:105 Resp: 83325

Ion Ratio Lower Upper

105 100

120 38.6 23.1 69.2





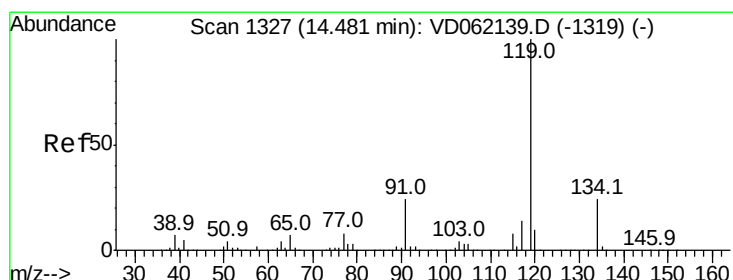
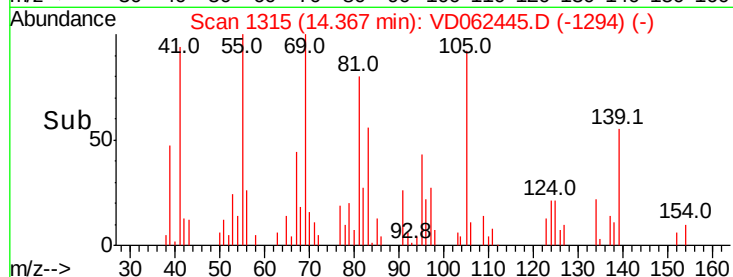
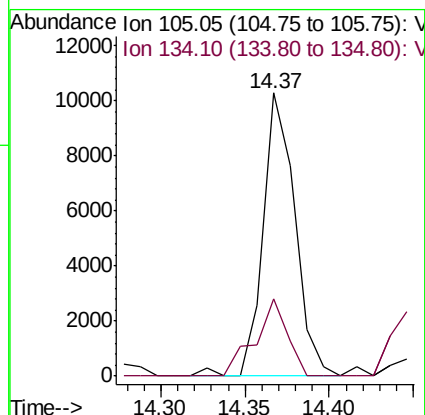
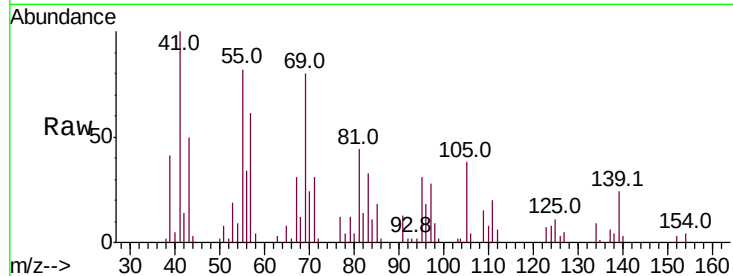
#85
 sec-Butylbenzene
 Concen: 2.038 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20-S2

Tot Ion:105 Resp: 13501
 Ion Ratio Lower Upper
 105 100
 134 27.2 8.9 26.7#

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:23:36 PM



#86
 p-Isopropyltoluene
 Concen: 1.711 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062445.D
 Acq: 17 May 2019 18:07

Tgt Ion:119 Resp: 10127
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 34.2 10.7 32.1#

