

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062046.D
 Acq On : 20 Mar 2019 18:06
 Operator : VA/AP
 Sample : K1971-08RE
 Misc : 3.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-14(13-15)-031519RE

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:52:11 PM

Quant Time: Mar 22 07:20:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	167900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	252186	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	162024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	53443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	86791	71.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	143.62%	
35) Dibromofluoromethane	4.10	113	116989	69.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	138.16%	
50) Toluene-d8	7.54	98	260145	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	11.40	95	105632	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
Target Compounds						
16) Acetone	2.24	43	24476	90.185	ug/l	98
17) Carbon Disulfide	1.83	76	63333m	15.453	ug/l	
20) Methylene Chloride	2.25	84	12521m	8.961	ug/l	
39) Methylcyclohexane	5.44	83	5944	2.223	ug/l	97
52) Toluene	7.61	92	3920	1.063	ug/l	92
84) 1,2,4-Trimethylbenzene	12.20	105	3593	1.203	ug/l	96

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

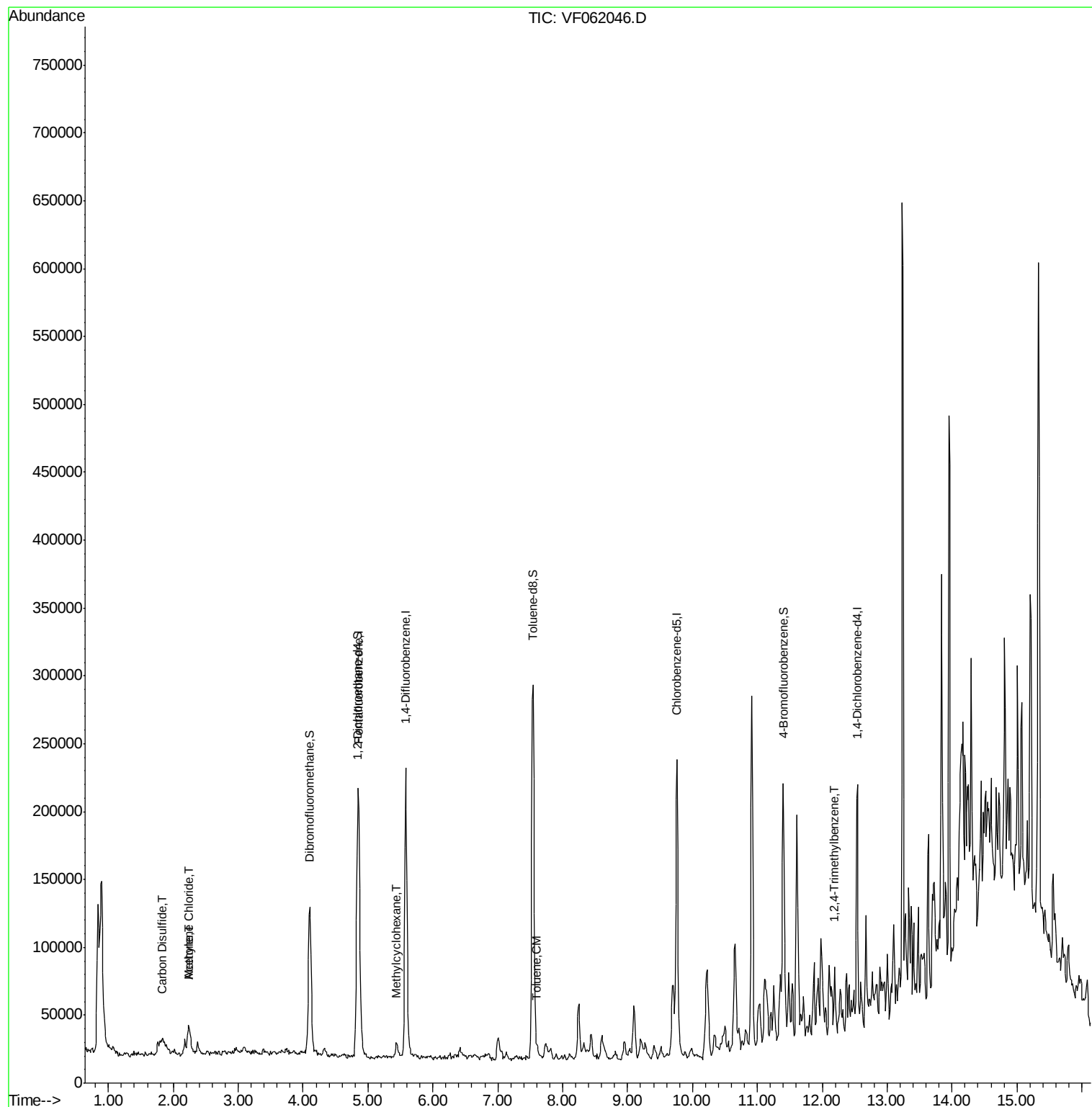
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032019\
Data File : VF062046.D
Acq On : 20 Mar 2019 18:06
Operator : VA/AP
Sample : K1971-08RE
Misc : 3.52g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

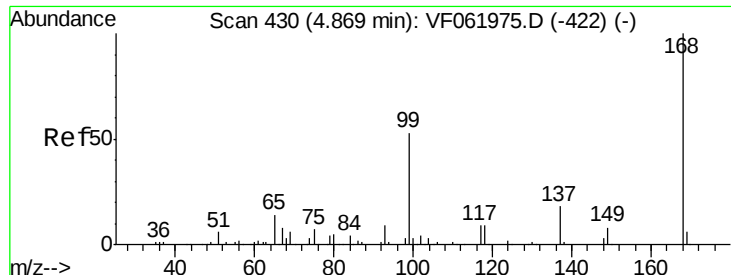
Instrument :
MSVOA_F
ClientSampleId :
SB-14(13-15)-031519RE

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:52:11 PM

Quant Time: Mar 22 07:20:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

SB-14(13-15)-031519RE

Tot Ion:168 Resp: 167900

Ion Ratio Lower Upper

168 100

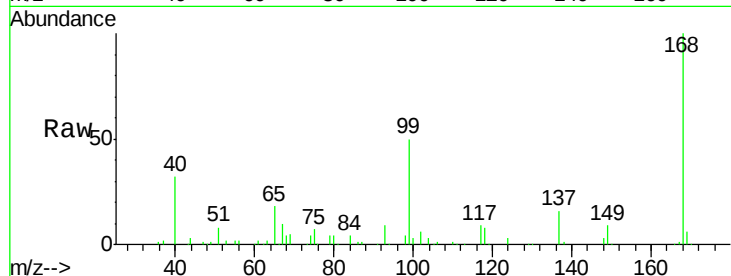
99 50.3 42.4 63.6

Manual Integrations

APPROVED

MMDadoda

3/22/2019 4:52:11 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

50000

40000

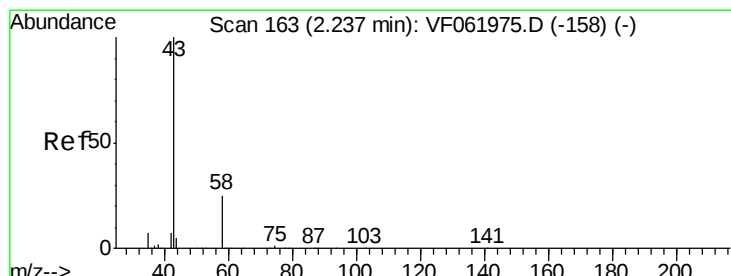
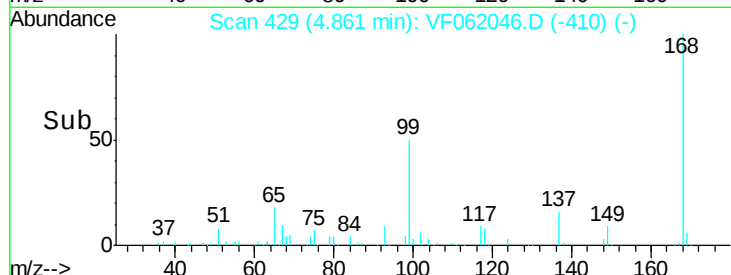
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 90.185 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF062046.D

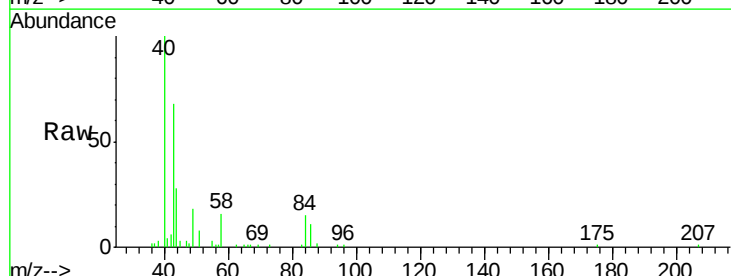
Acq: 20 Mar 2019 18:06

Tgt Ion: 43 Resp: 24476

Ion Ratio Lower Upper

43 100

58 23.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

10000

8000

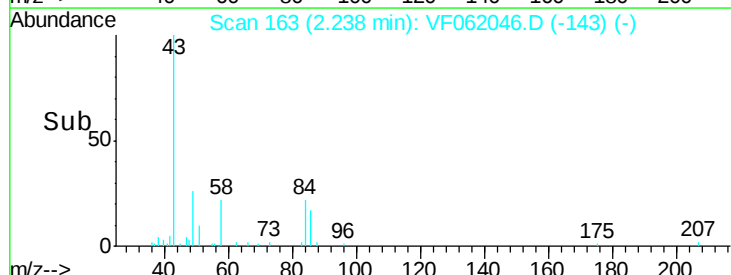
6000

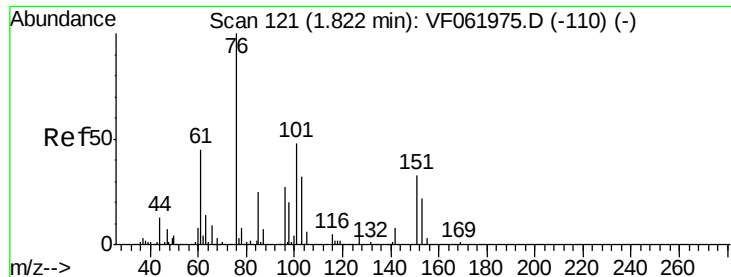
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 15.453 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Tot Ion: 76 Resp: 63333

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2

Instrument :

MSVOA_F

ClientSampleId :

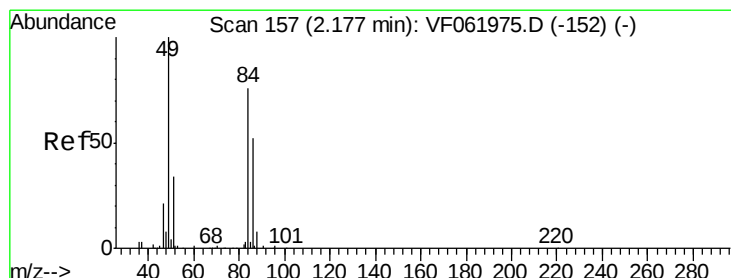
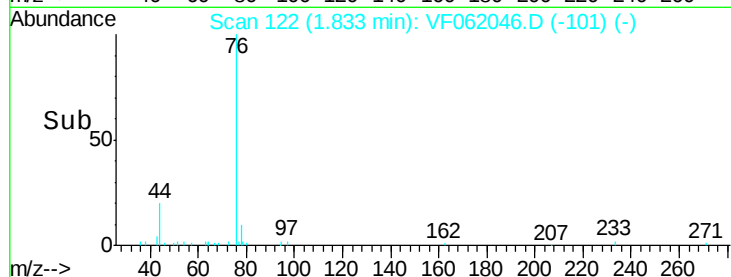
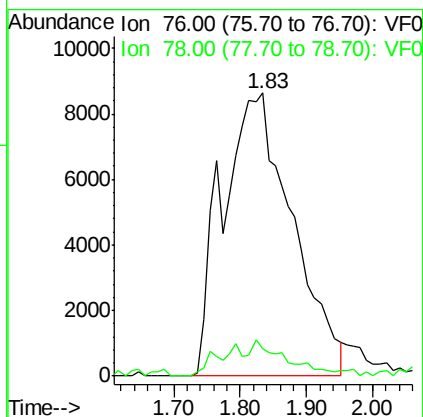
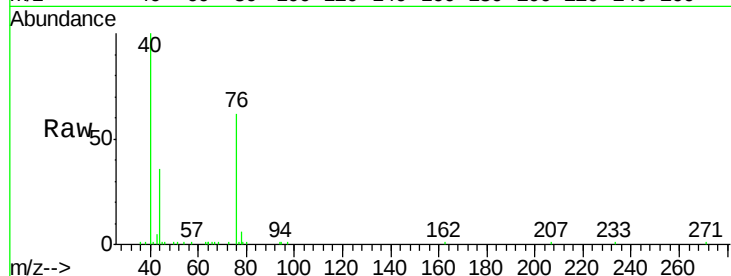
SB-14(13-15)-031519RE

Manual Integrations

APPROVED

MMDadoda

3/22/2019 4:52:11 PM



#20

Methylene Chloride

Concen: 8.961 ug/l m

RT: 2.25 min Scan# 164

Delta R.T. 0.07 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Tgt Ion: 84 Resp: 12521

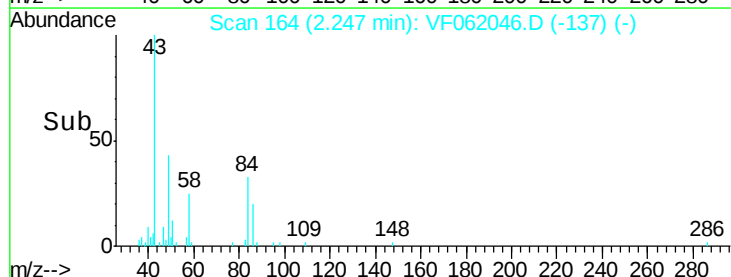
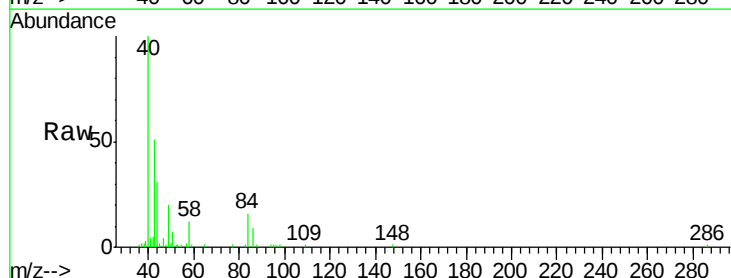
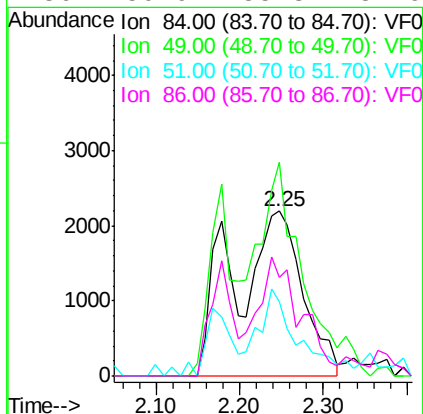
Ion Ratio Lower Upper

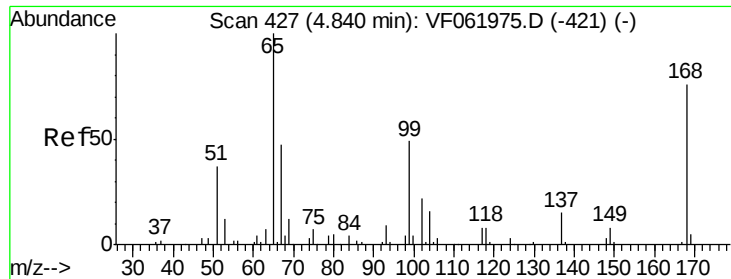
84 100

49 129.4 107.0 160.6

51 44.8 37.2 55.8

86 59.9 55.3 82.9





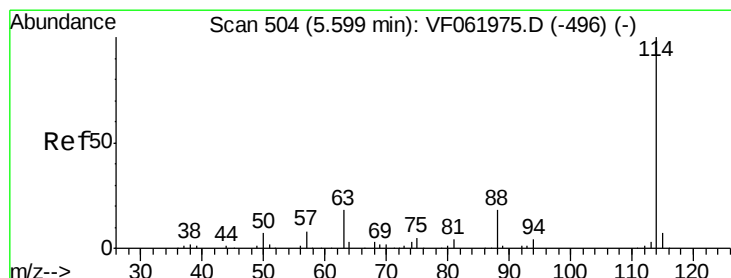
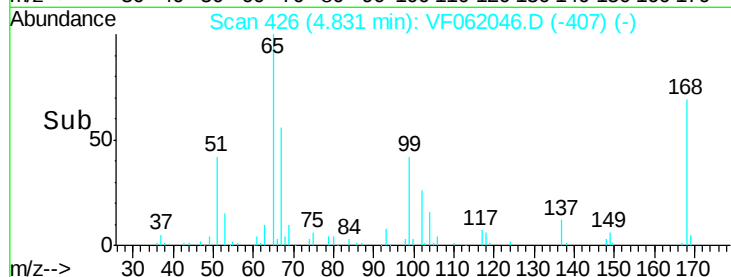
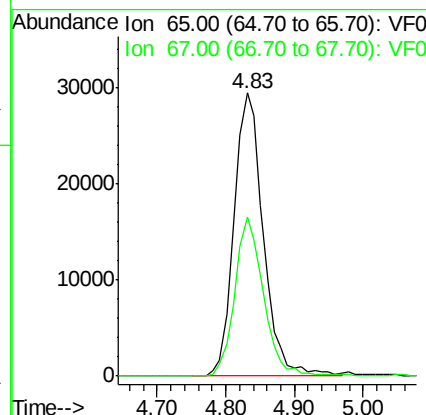
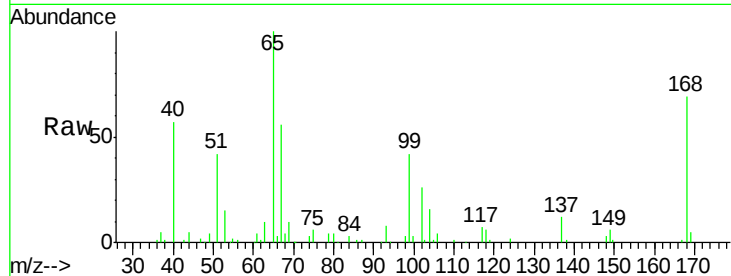
#33
 1,2-Dichloroethane-d4
 Concen: 71.811 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF062046.D
 Acq: 20 Mar 2019 18:06

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-14(13-15)-031519RE

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	109.4

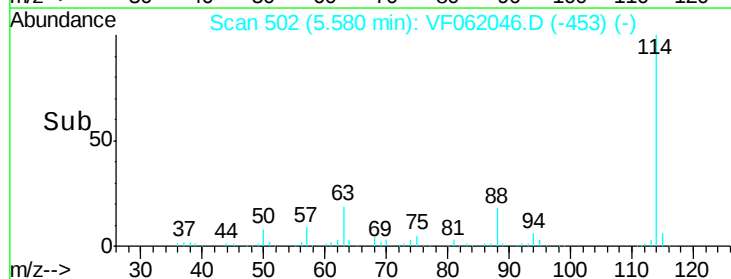
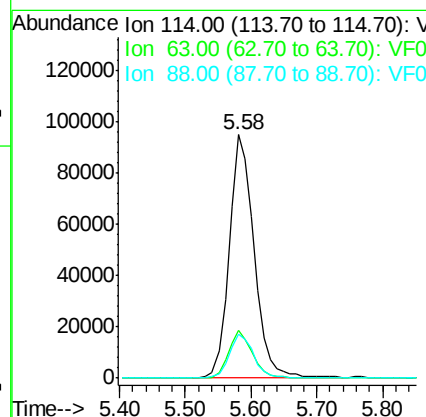
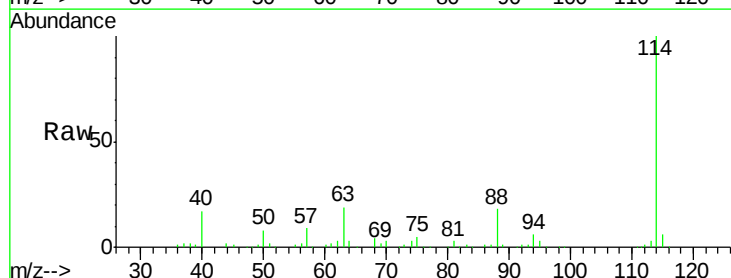
Manual Integrations
 APPROVED

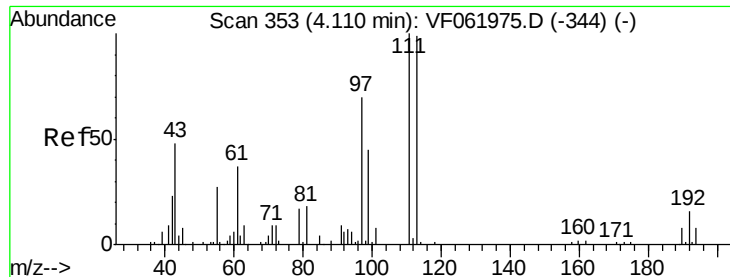
MMDadoda
 3/22/2019 4:52:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062046.D
 Acq: 20 Mar 2019 18:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	36.4
88	18.3	0.0	36.4





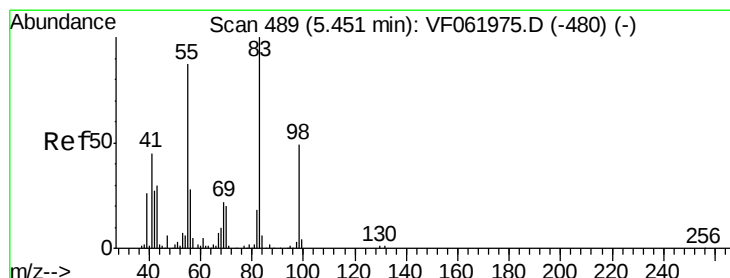
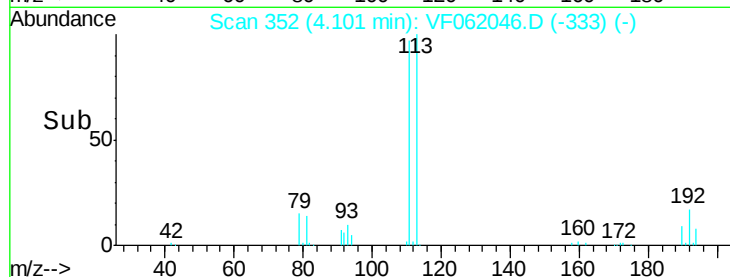
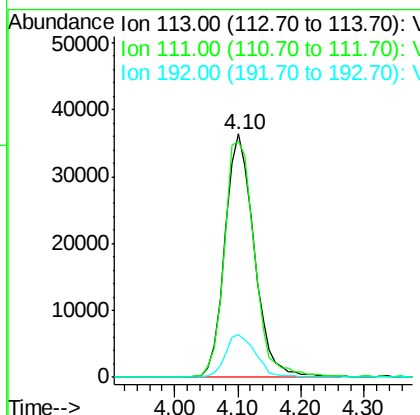
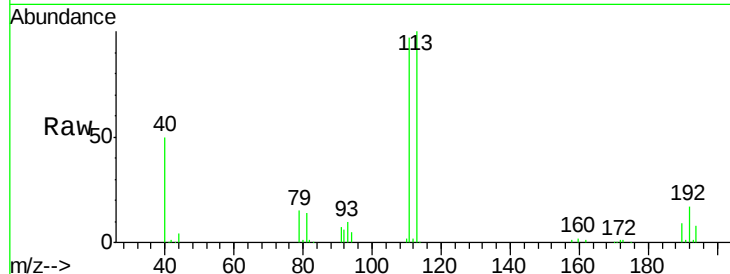
#35
Dibromofluoromethane
Concen: 69.082 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF062046.D
Acq: 20 Mar 2019 18:06

Instrument :
MSVOA_F
ClientSampleId :
SB-14(13-15)-031519RE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116989		
111	96.7	80.8	121.2	
192	17.4	13.0	19.6	

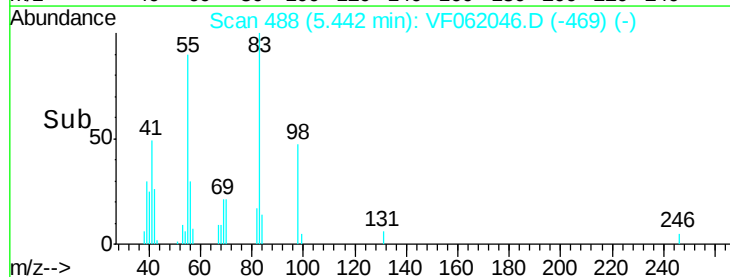
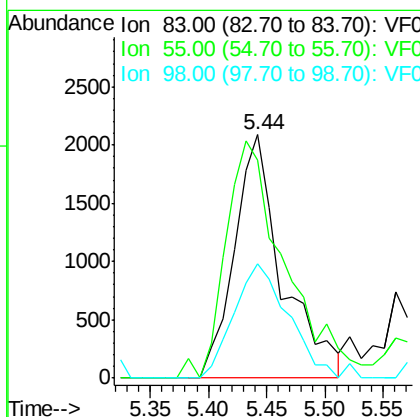
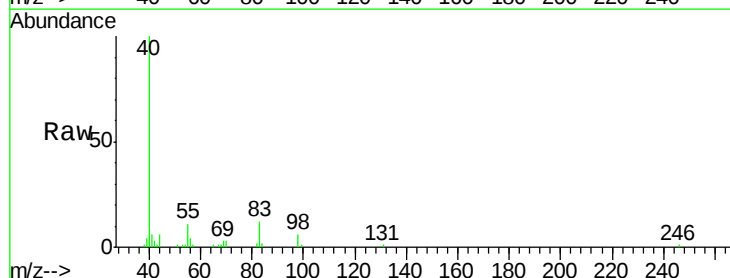
Manual Integrations
APPROVED

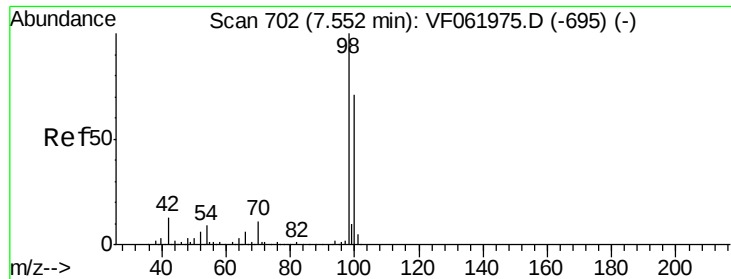
MMDadoda
3/22/2019 4:52:11 PM



#39
Methylcyclohexane
Concen: 2.223 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF062046.D
Acq: 20 Mar 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5944		
55	89.6	69.7	104.5	
98	47.0	39.4	59.0	





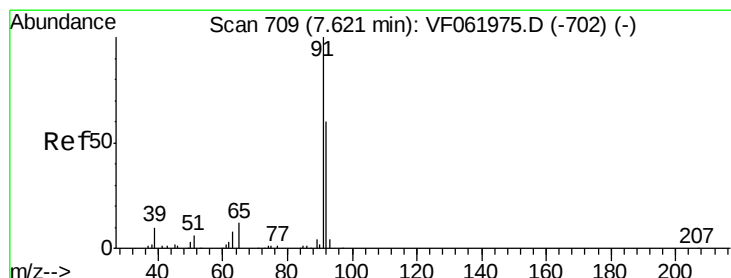
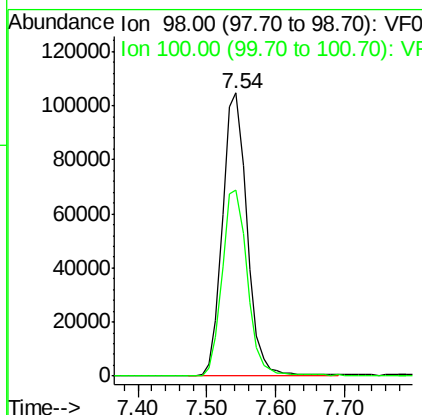
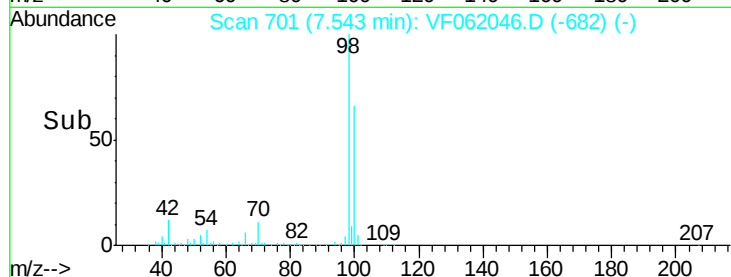
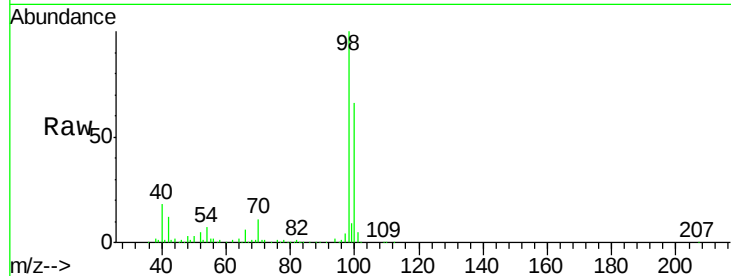
#50
Toluene-d8
Concen: 52.549 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF062046.D
Acq: 20 Mar 2019 18:06

Instrument :
MSVOA_F
ClientSampleId :
SB-14(13-15)-031519RE

Tot Ion: 98 Resp: 260145
Ion Ratio Lower Upper
98 100
100 65.9 56.8 85.2

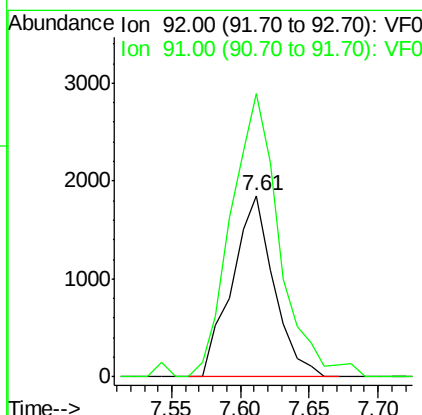
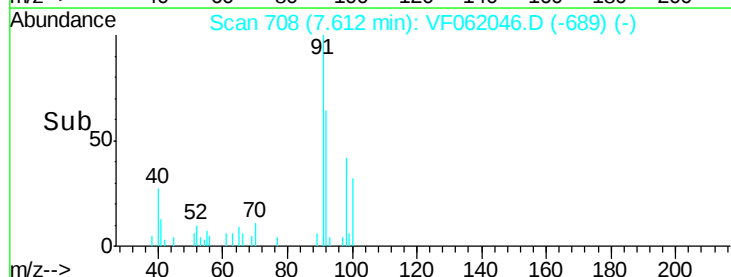
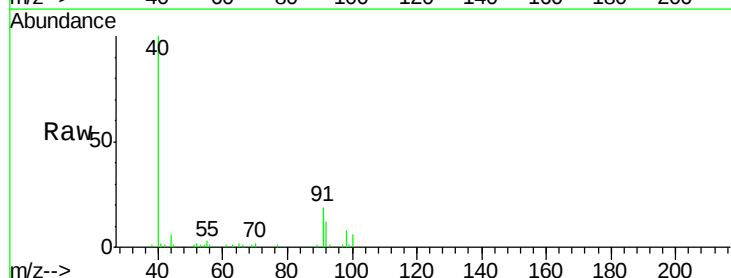
Manual Integrations
APPROVED

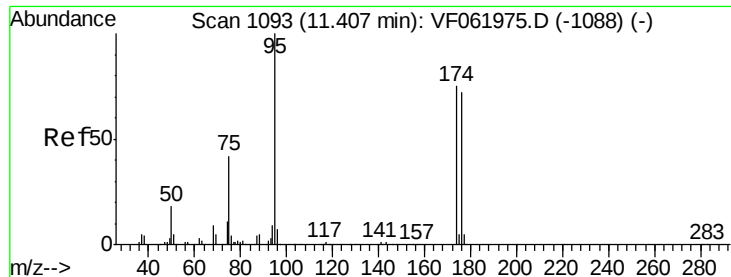
MMDadoda
3/22/2019 4:52:11 PM



#52
Toluene
Concen: 1.063 ug/l
RT: 7.61 min Scan# 708
Delta R.T. -0.01 min
Lab File: VF062046.D
Acq: 20 Mar 2019 18:06

Tgt Ion: 92 Resp: 3920
Ion Ratio Lower Upper
92 100
91 156.3 134.0 201.0





#62

4-Bromofluorobenzene

Concen: 53.711 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Instrument :

MSVOA_F

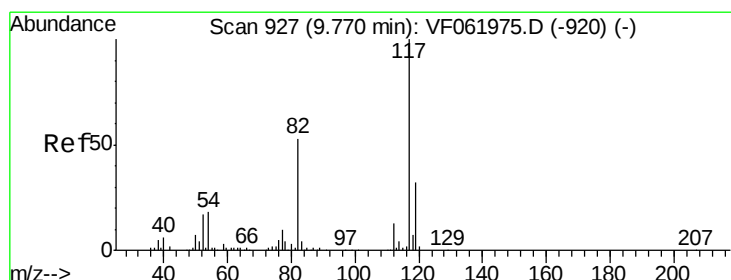
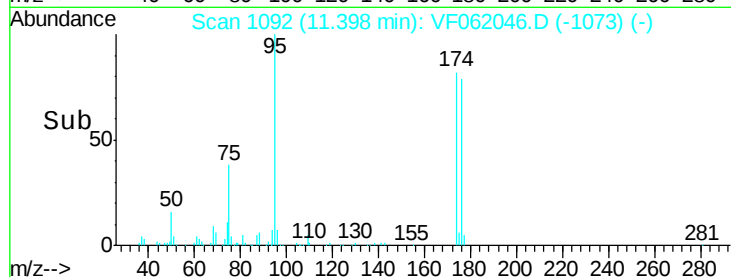
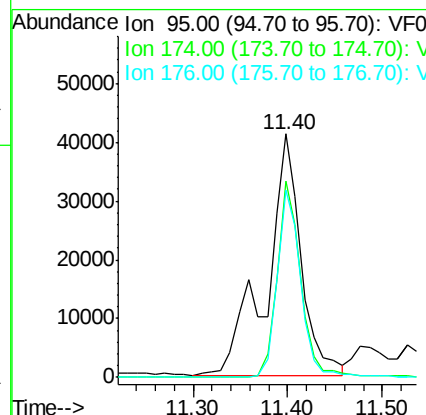
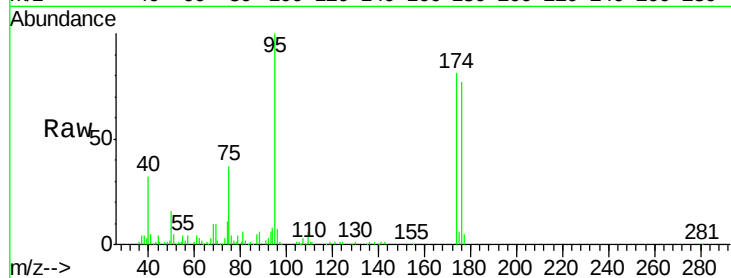
ClientSampleId :

SB-14(13-15)-031519RE

Tot Ion:	95	Resp:	105632
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	149.4
176	77.1	0.0	143.4

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:52:11 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

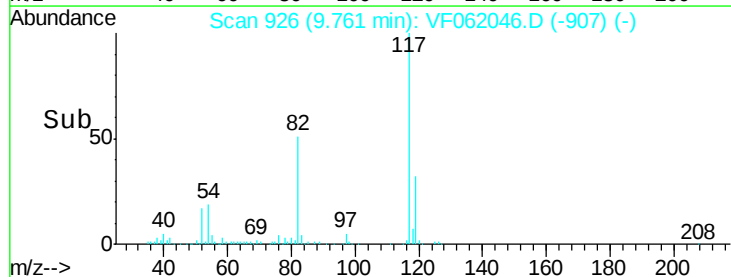
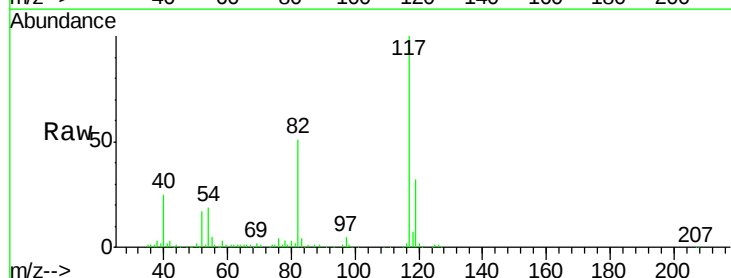
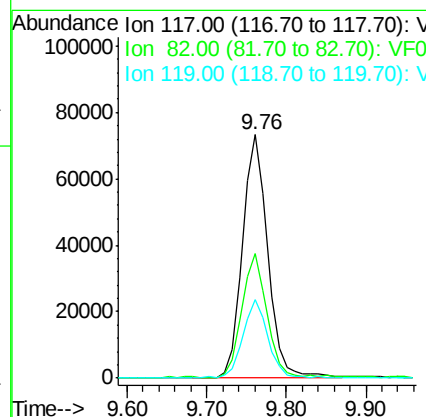
RT: 9.76 min Scan# 926

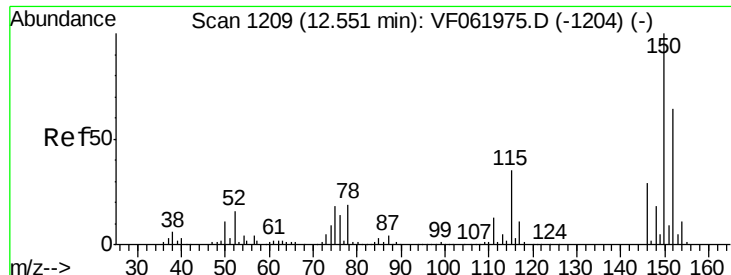
Delta R.T. -0.01 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Tgt Ion:	117	Resp:	162024
Ion Ratio	Lower	Upper	
117	100		
82	51.1	42.5	63.7
119	32.4	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062046.D

Acq: 20 Mar 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

SB-14(13-15)-031519RE

Tot Ion:152 Resp: 53443

Ion Ratio Lower Upper

152 100

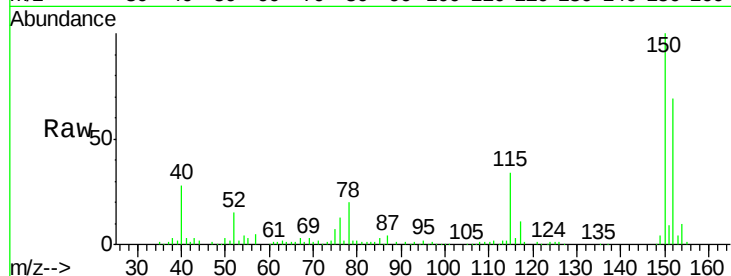
115 49.8 27.3 81.9

150 145.4 0.0 316.2

Manual Integrations
APPROVED

MMDadoda

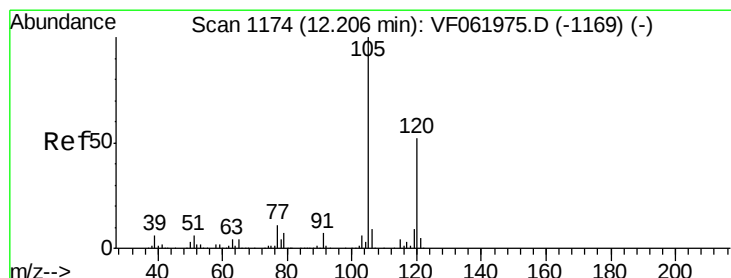
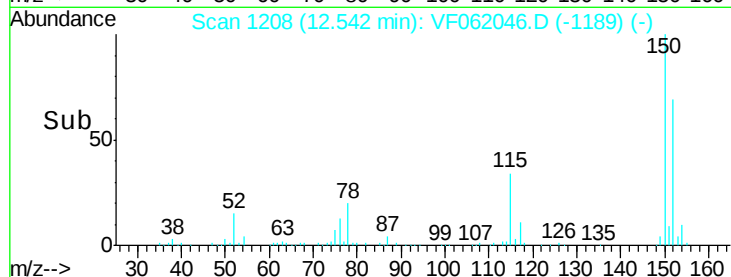
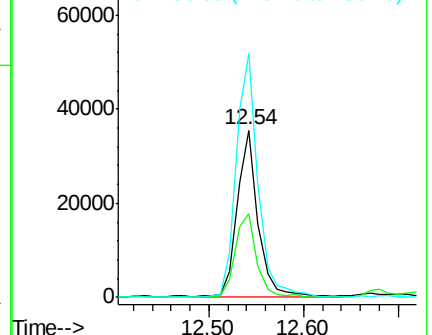
3/22/2019 4:52:11 PM



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.203 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VF062046.D

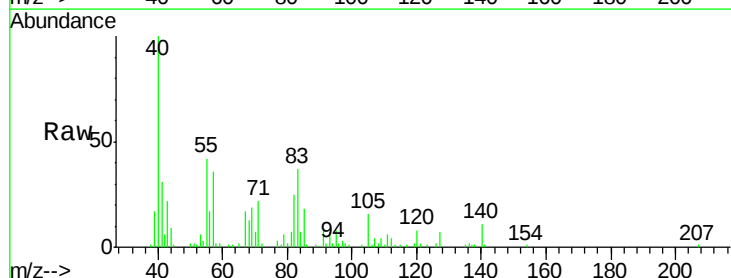
Acq: 20 Mar 2019 18:06

Tgt Ion:105 Resp: 3593

Ion Ratio Lower Upper

105 100

120 49.0 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

