

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062089.D
 Acq On : 22 Mar 2019 18:20
 Operator : VA/AP
 Sample : K2043-05
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB429-190319-FD-(20-22)

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:19 AM

Quant Time: Mar 23 06:58:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	241532	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.63	114	385102	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	324949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	181231	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	93380	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
35) Dibromofluoromethane	4.14	113	144102	55.32	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.64%	
50) Toluene-d8	7.58	98	377446	48.54	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.44	95	167481	55.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.58%	
Target Compounds						
16) Acetone	2.25	43	15625	41.324	ug/l	93
20) Methylene Chloride	2.20	84	24300m	7.990	ug/l	
52) Toluene	7.66	92	8410	1.477	ug/l	93

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

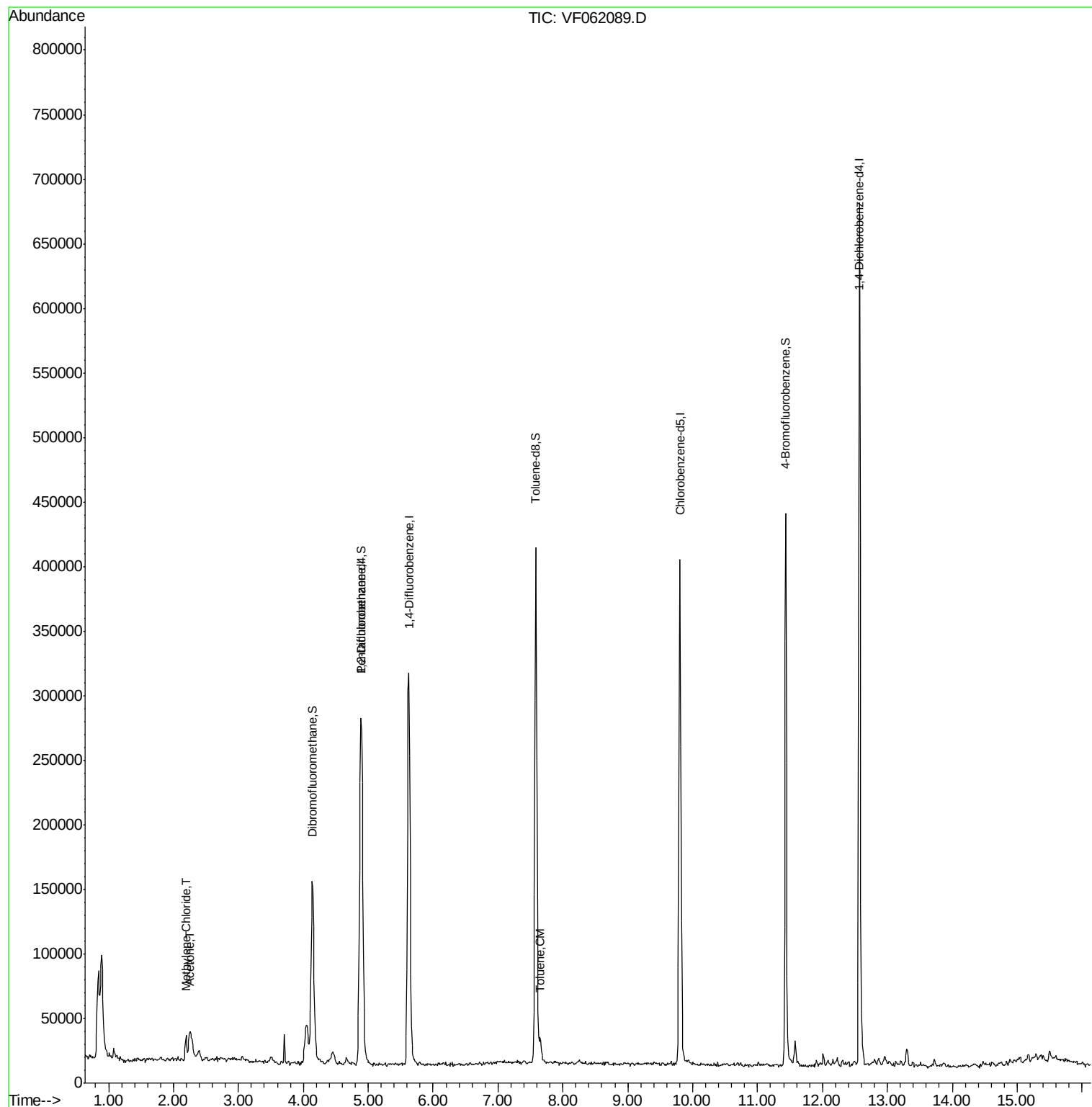
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062089.D
Acq On : 22 Mar 2019 18:20
Operator : VA/AP
Sample : K2043-05
Misc : 6.01q/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

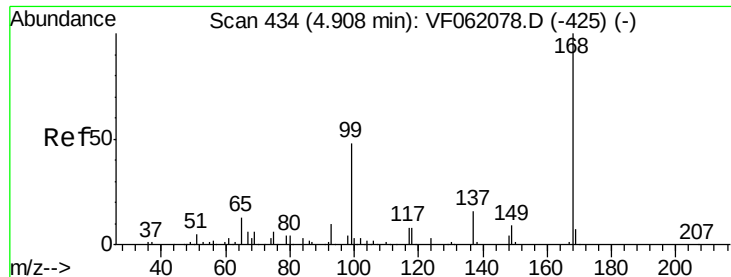
Instrument :
MSVOA_F
ClientSampleId :
WP022SB429-190319-FD-(20-22)

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:19 AM

Quant Time: Mar 23 06:58:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062089.D

Acq: 22 Mar 2019 18:20

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-FD-(20-22)

Tot Ion:168 Resp: 241532

Ion Ratio Lower Upper

168 100

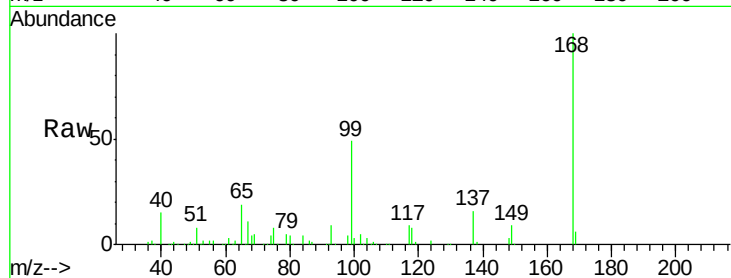
99 49.0 38.2 57.4

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:19 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

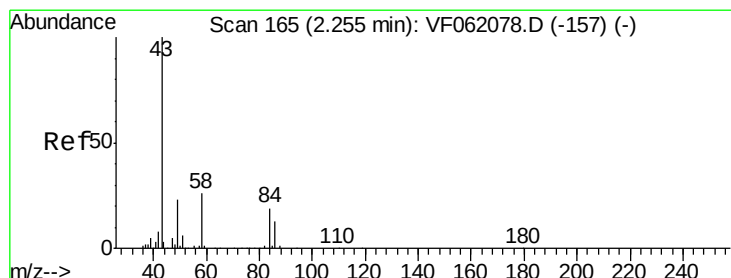
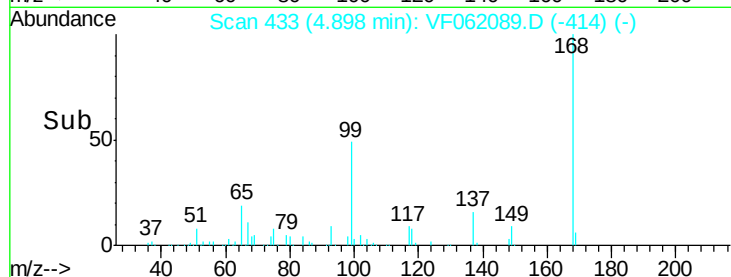
40000

20000

0

4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 41.324 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062089.D

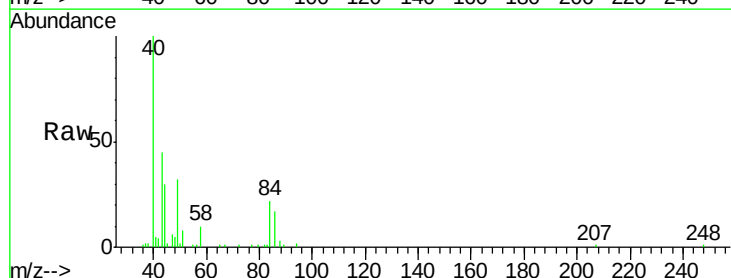
Acq: 22 Mar 2019 18:20

Tgt Ion: 43 Resp: 15625

Ion Ratio Lower Upper

43 100

58 22.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

6000

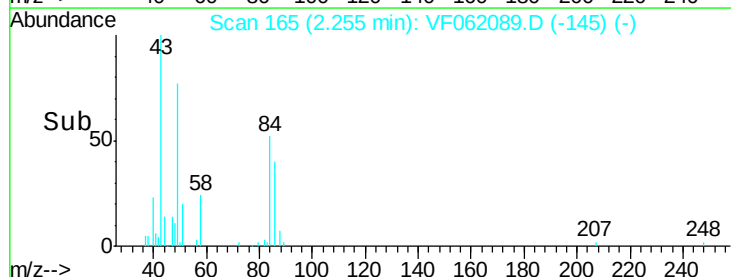
4000

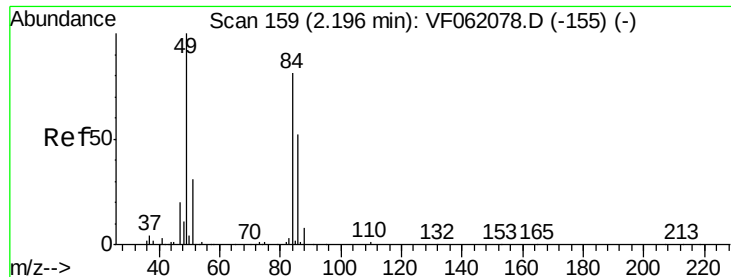
2000

0

2.10 2.20 2.30 2.40

Time-->





#20

Methylene Chloride

Concen: 7.990 ug/l m

RT: 2.20 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062089.D

Acq: 22 Mar 2019 18:20

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-FD-(20-22)

Tot Ion: 84 Resp: 24300

Ion Ratio Lower Upper

84 100

49 117.7 100.4 150.6

51 41.1 31.0 46.6

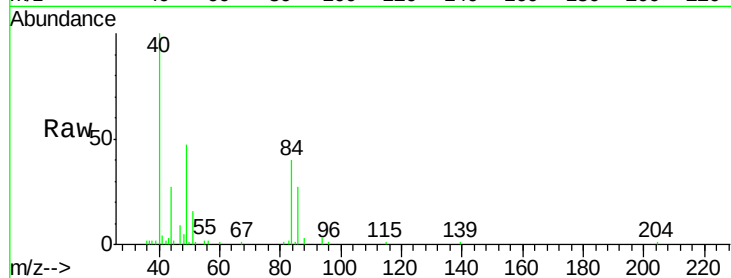
86 68.2 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:19 AM

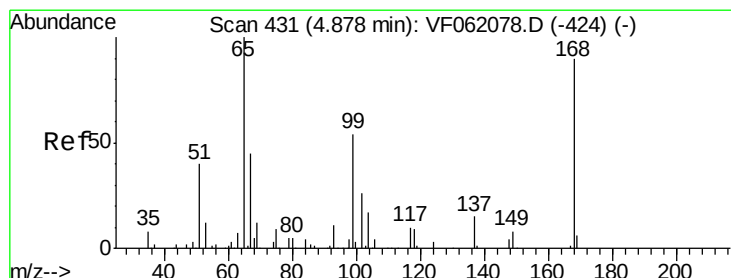
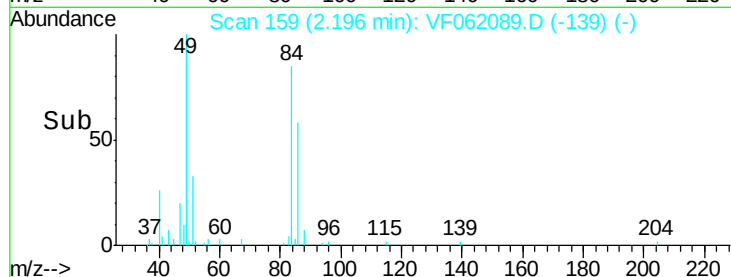
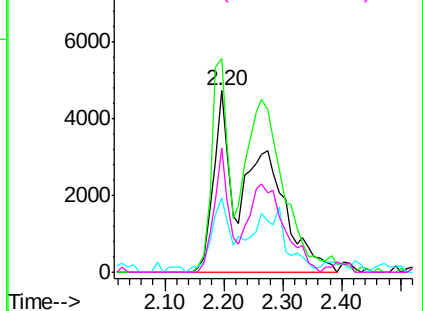


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 51.978 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF062089.D

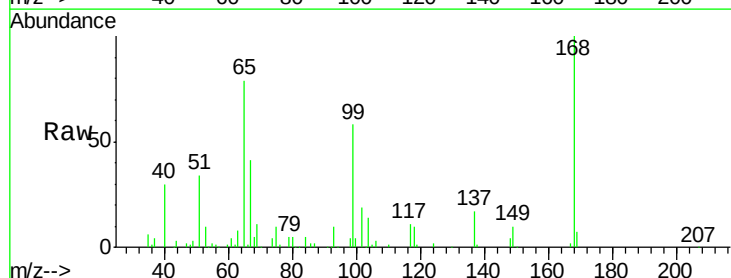
Acq: 22 Mar 2019 18:20

Tgt Ion: 65 Resp: 93380

Ion Ratio Lower Upper

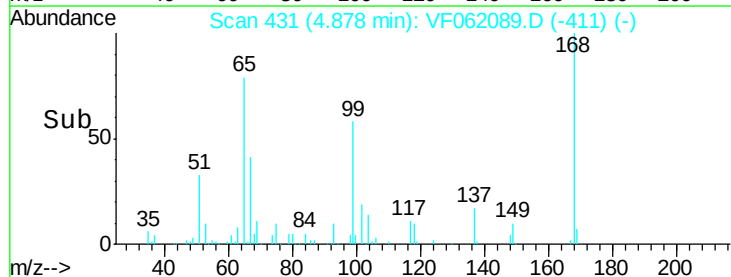
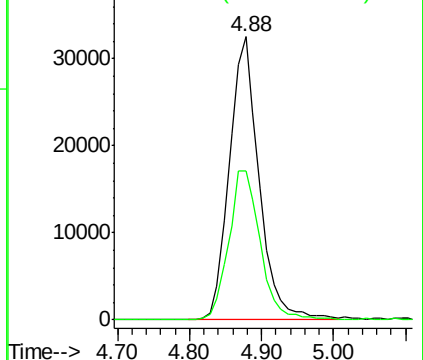
65 100

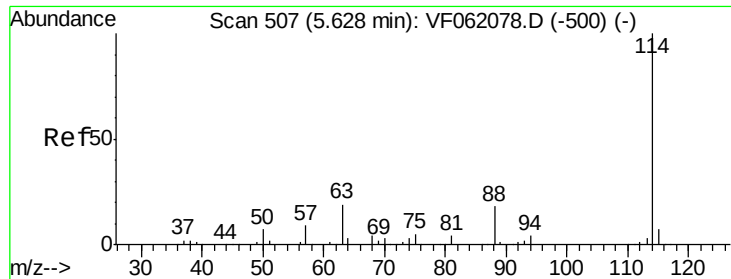
67 52.8 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





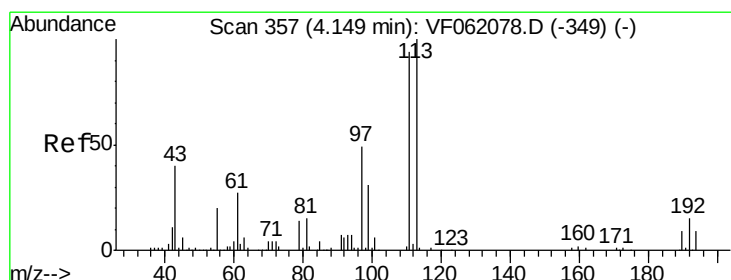
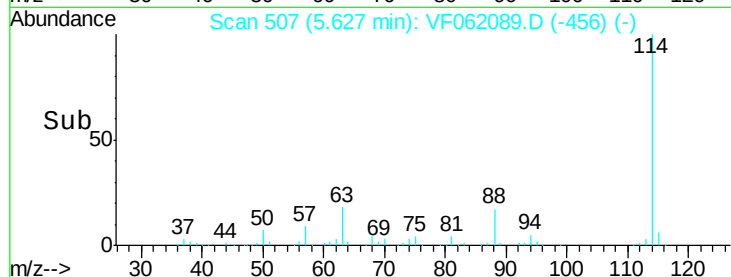
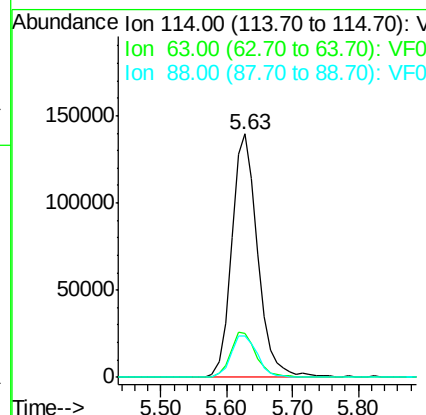
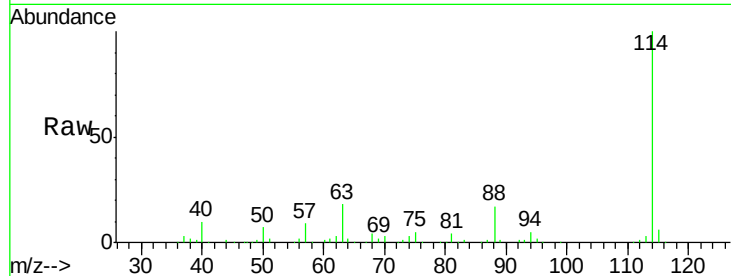
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF062089.D
 Acq: 22 Mar 2019 18:20

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB429-190319-FD-(20-22)

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.1	0.0	37.8
88	17.2	0.0	36.4

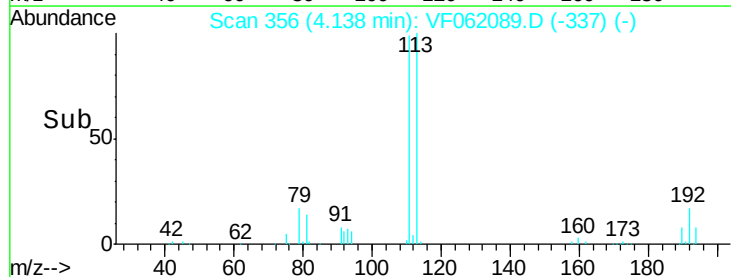
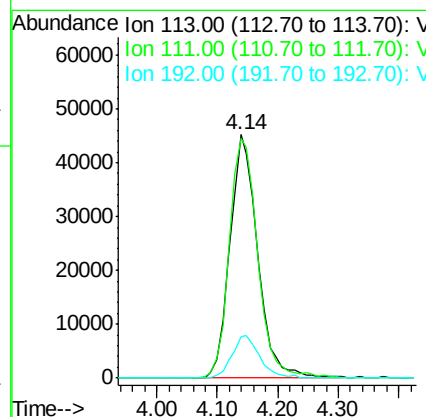
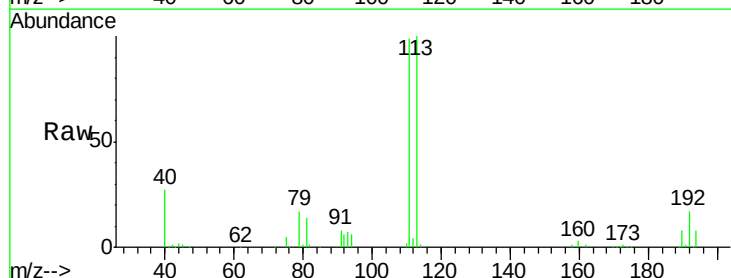
Manual Integrations
 APPROVED

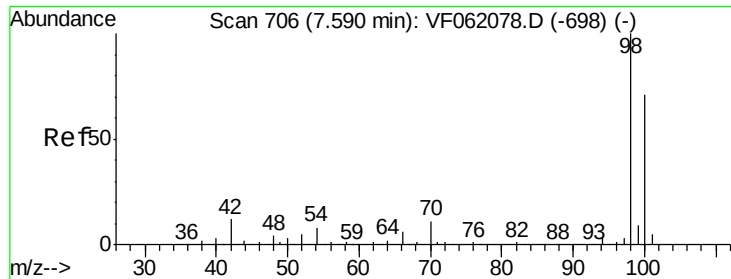
MMDadoda
 3/27/2019 11:57:19 AM



#35
 Dibromofluoromethane
 Concen: 55.316 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF062089.D
 Acq: 22 Mar 2019 18:20

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	98.5	75.4	113.0
192	17.0	12.3	18.5





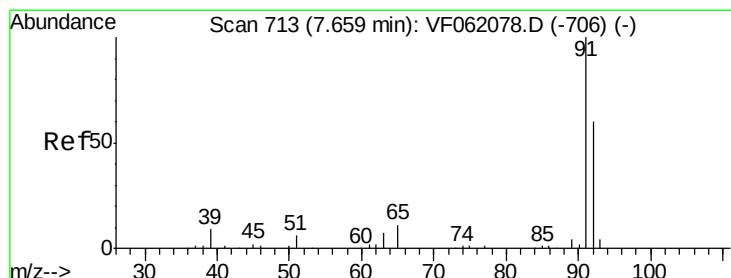
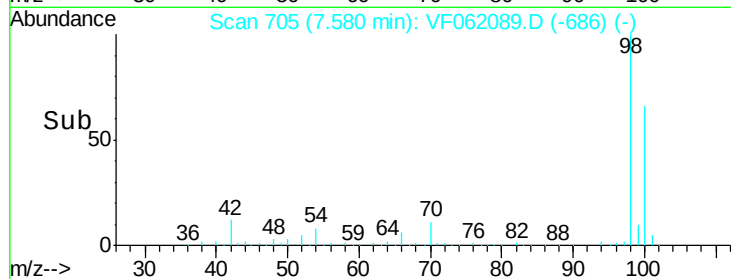
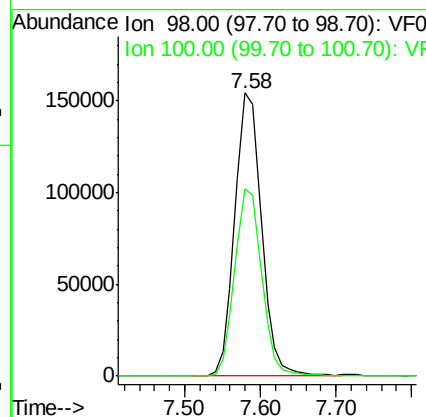
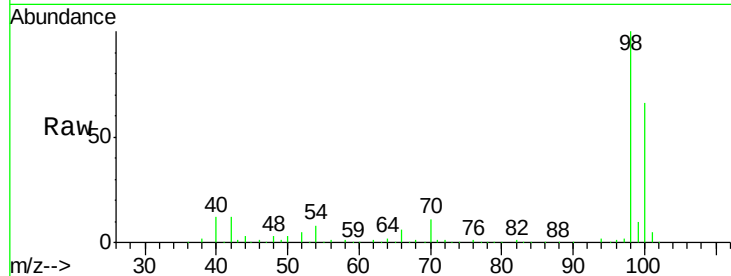
#50
Toluene-d8
Concen: 48.539 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062089.D
Acq: 22 Mar 2019 18:20

Instrument :
MSVOA_F
ClientSampleId :
WP022SB429-190319-FD-(20-22)

Tot Ion: 98 Resp: 377446
Ion Ratio Lower Upper
98 100
100 66.4 57.0 85.6

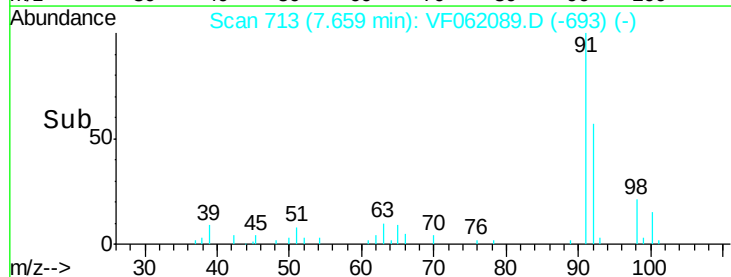
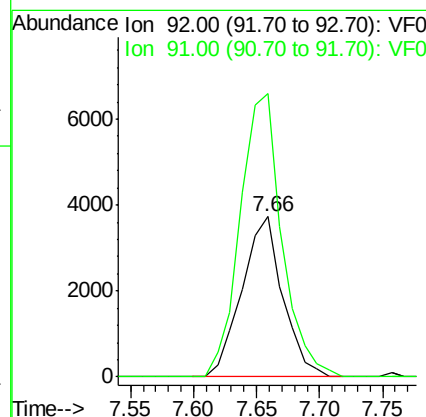
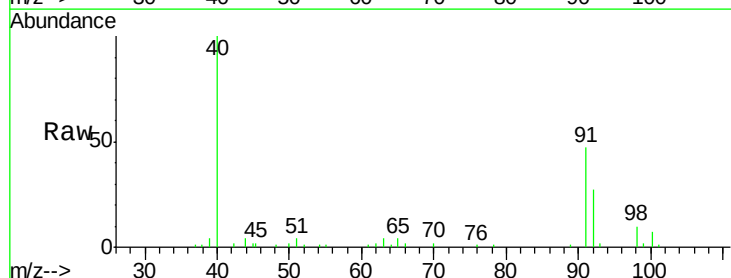
Manual Integrations
APPROVED

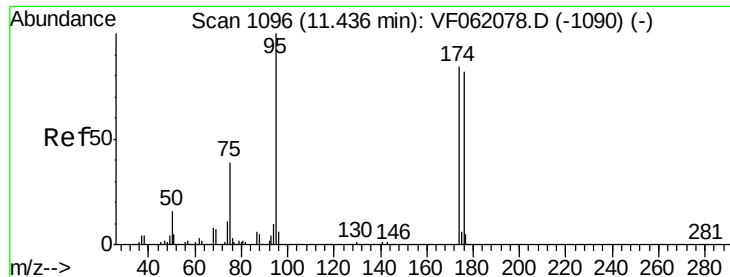
MMDadoda
3/27/2019 11:57:19 AM



#52
Toluene
Concen: 1.477 ug/l
RT: 7.66 min Scan# 713
Delta R.T. -0.00 min
Lab File: VF062089.D
Acq: 22 Mar 2019 18:20

Tgt Ion: 92 Resp: 8410
Ion Ratio Lower Upper
92 100
91 176.7 134.1 201.1





#62

4-Bromofluorobenzene

Concen: 55.789 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062089.D

Acq: 22 Mar 2019 18:20

Instrument :

MSVOA_F

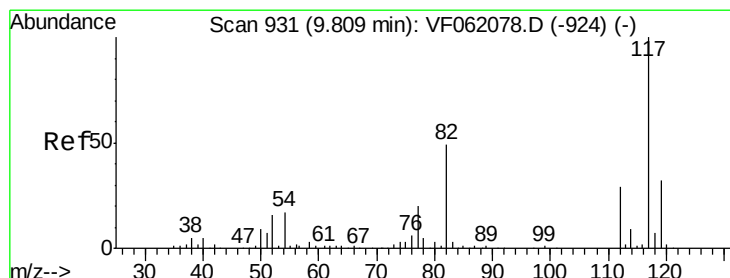
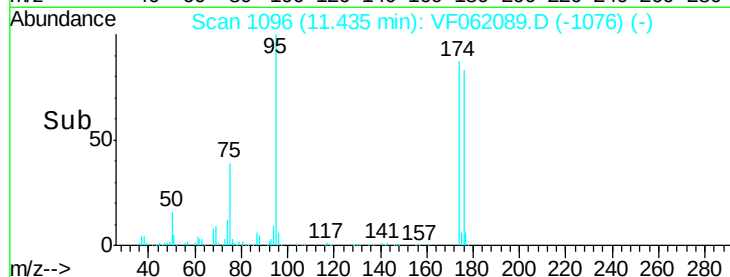
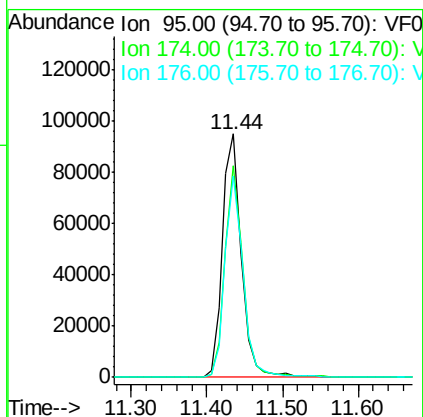
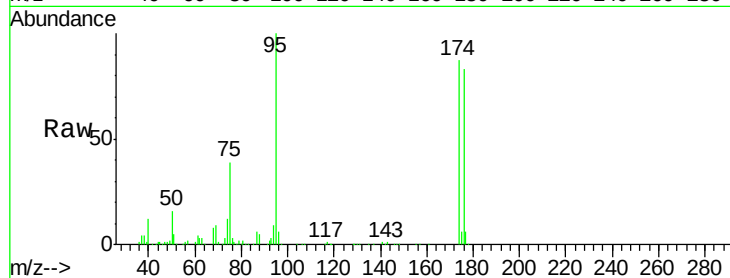
ClientSampleId :

WP022SB429-190319-FD-(20-22)

Tot Ion:	95	Resp:	167481
Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	168.2
176	82.8	0.0	164.2

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:19 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

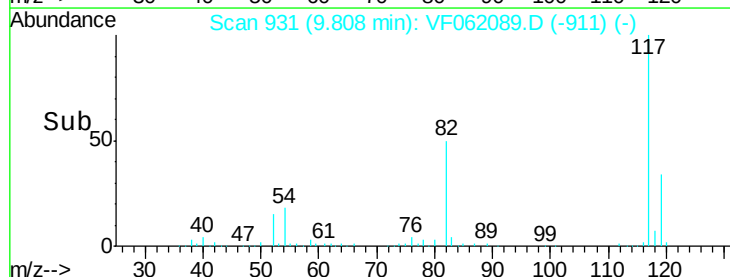
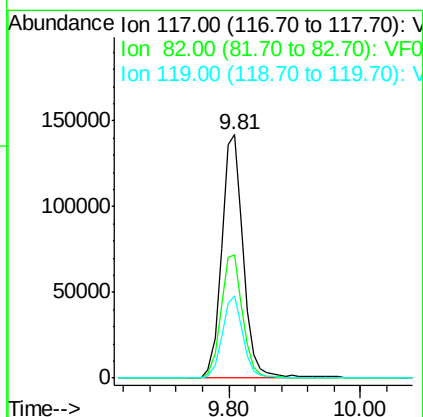
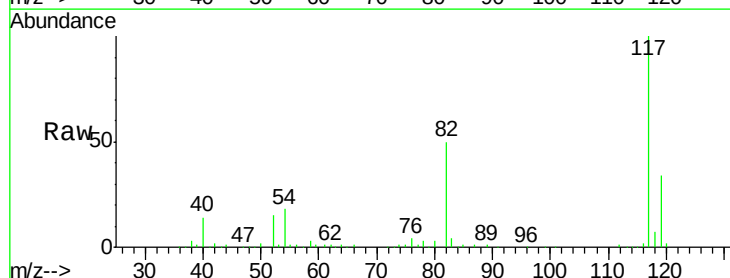
RT: 9.81 min Scan# 931

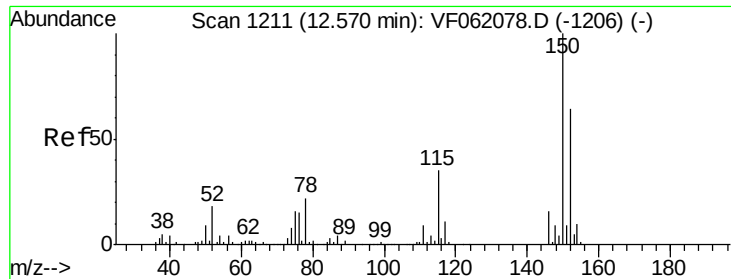
Delta R.T. -0.00 min

Lab File: VF062089.D

Acq: 22 Mar 2019 18:20

Tgt Ion:	117	Resp:	324949
Ion	Ratio	Lower	Upper
117	100		
82	50.4	39.2	58.8
119	33.9	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF062089.D

Acq: 22 Mar 2019 18:20

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-FD-(20-22)

Tot Ion:	152	Resp:	181231
Ion Ratio	Lower	Upper	
152	100		
115	54.1	27.7	83.1
150	153.8	0.0	313.2

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:19 AM

