

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062088.D
 Acq On : 22 Mar 2019 17:51
 Operator : VA/AP
 Sample : K2043-04
 Misc : 6.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 06:56:46 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	242940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	387884	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	331879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	179190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	81746	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.48%	
35) Dibromofluoromethane	4.14	113	125193	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
50) Toluene-d8	7.59	98	347617	44.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.43	95	144003	47.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.24%	
Target Compounds						
16) Acetone	2.25	43	19101	50.224	ug/l #	88
20) Methylene Chloride	2.19	84	23469m	7.536	ug/l	
40) Benzene	4.67	78	37746	3.811	ug/l	99
52) Toluene	7.65	92	60936	10.622	ug/l	100
65) Chlorobenzene	9.83	112	7602	1.224	ug/l #	87

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

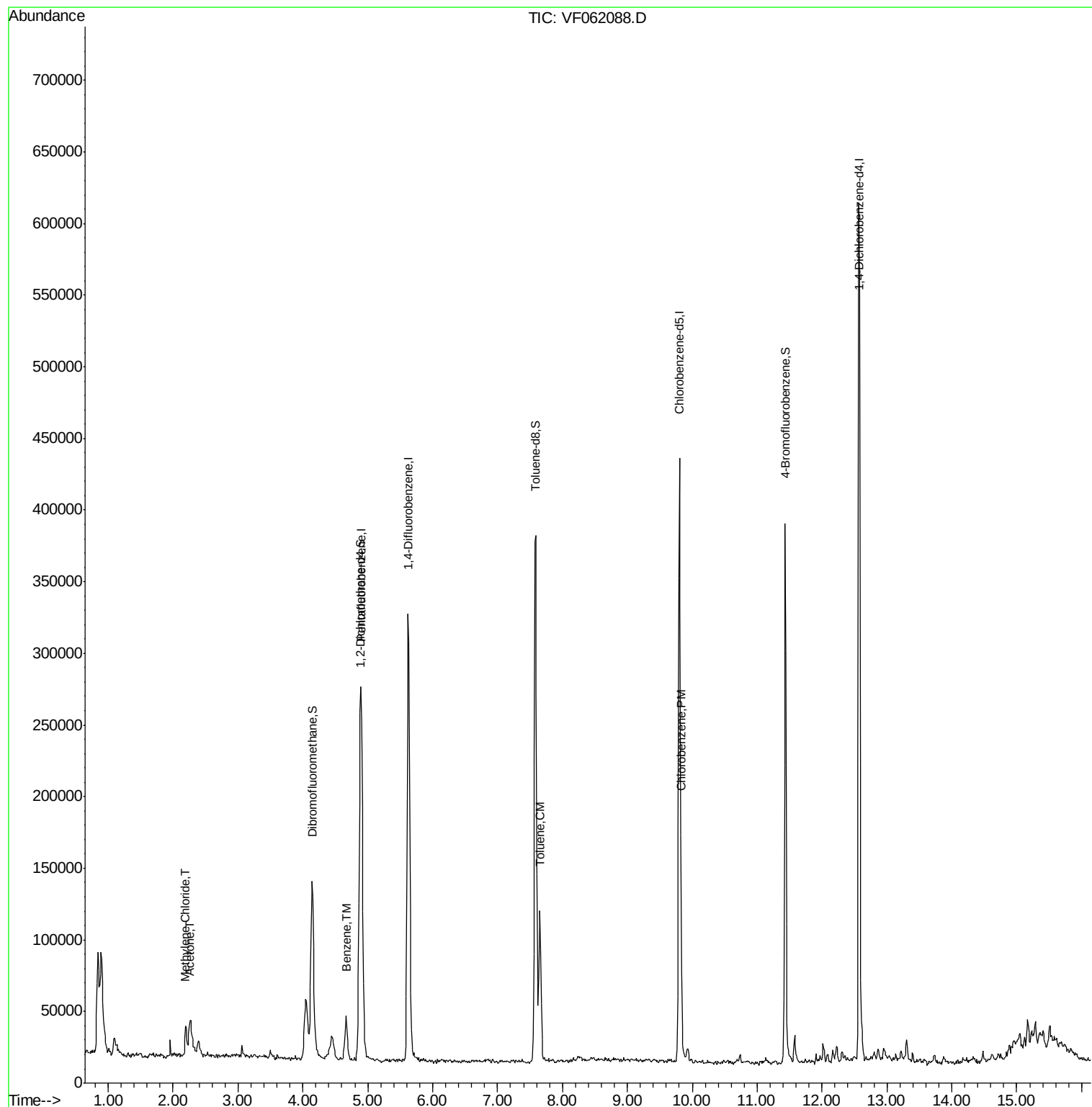
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062088.D
Acq On : 22 Mar 2019 17:51
Operator : VA/AP
Sample : K2043-04
Misc : 6.02g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

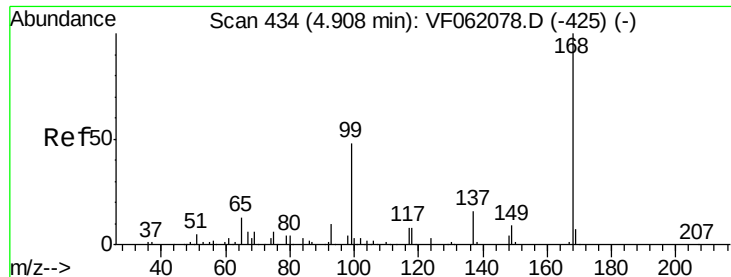
Instrument :
MSVOA_F
ClientSampleId :
WP022SB429-190319-(20-22)

Manual Integrations
APPROVED

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

Quant Time: Mar 23 06:56:46 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. -0.00 min

Lab File: VF062088.D

Acq: 22 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-(20-22)

Tot Ion:168 Resp: 242940

Ion Ratio Lower Upper

168 100

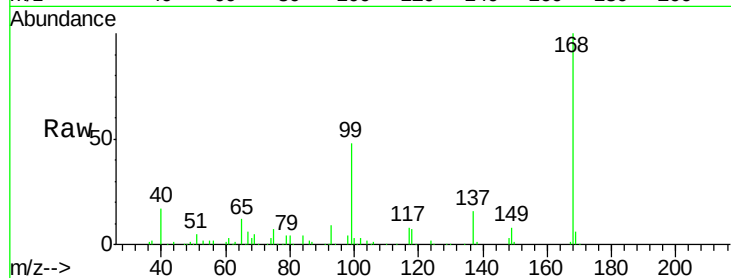
99 48.4 38.2 57.4

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

4.90

80000

60000

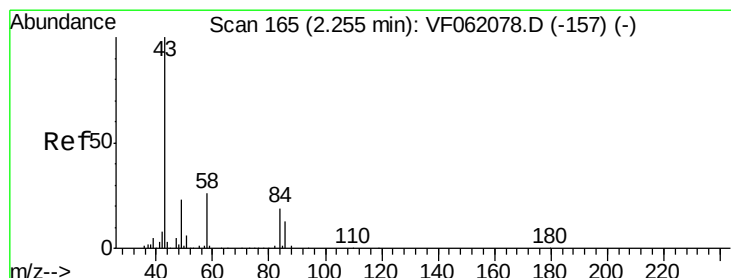
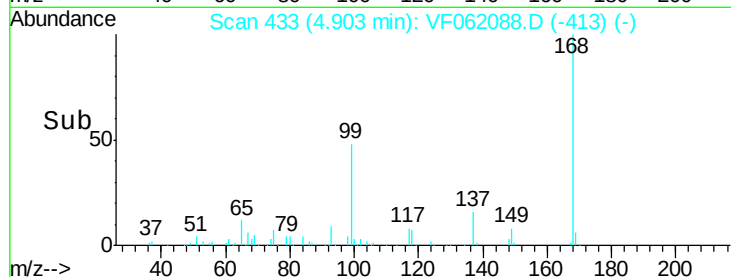
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#16

Acetone

Concen: 50.224 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF062088.D

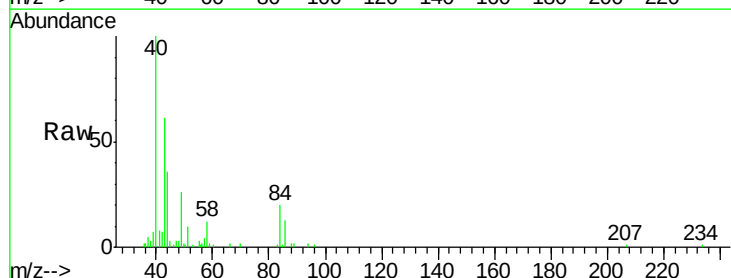
Acq: 22 Mar 2019 17:51

Tgt Ion: 43 Resp: 19101

Ion Ratio Lower Upper

43 100

58 19.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

8000

6000

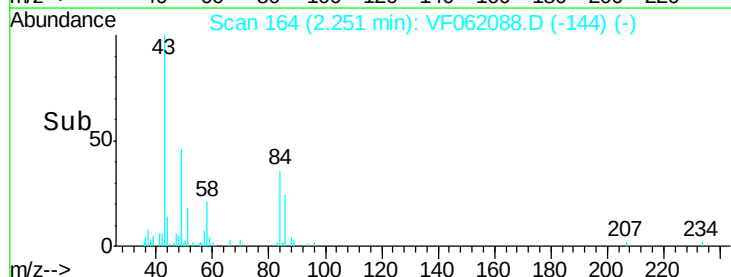
4000

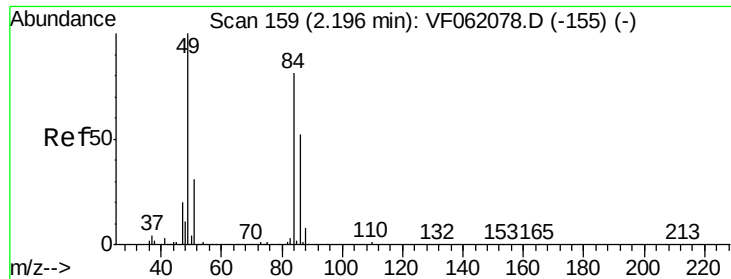
2000

0

Time-->

2.10 2.20 2.30





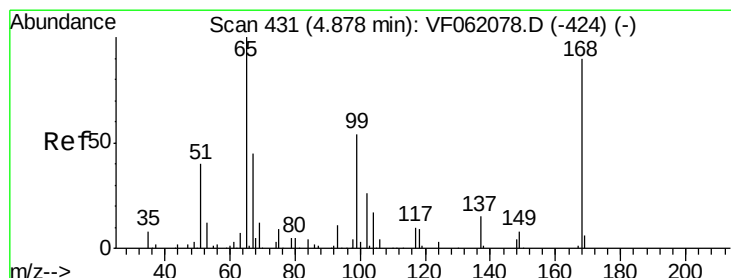
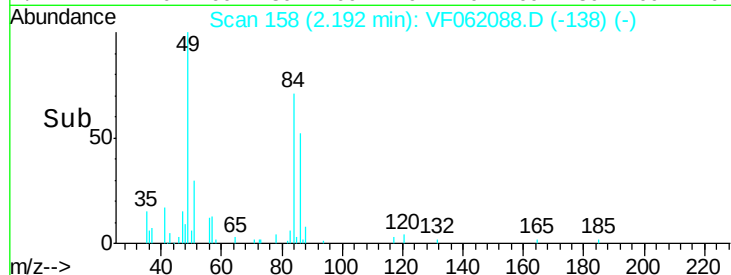
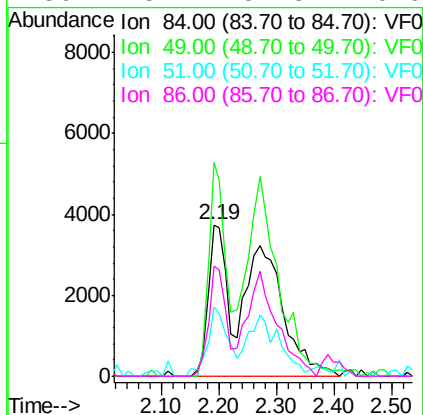
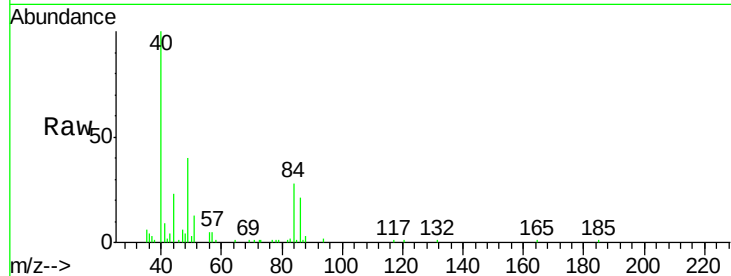
#20
Methylene Chloride
Concen: 7.536 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

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

Tot Ion	Ratio	Lower	Upper
84	100		
49	141.2	100.4	150.6
51	45.4	31.0	46.6
86	73.2	51.3	76.9

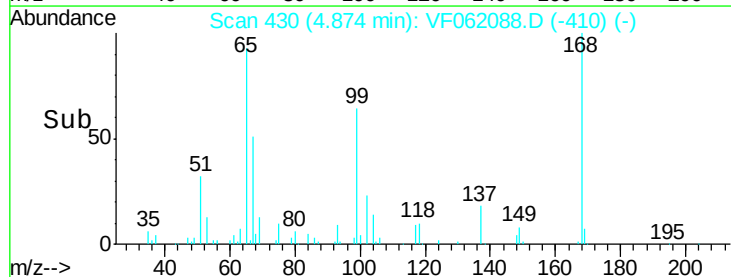
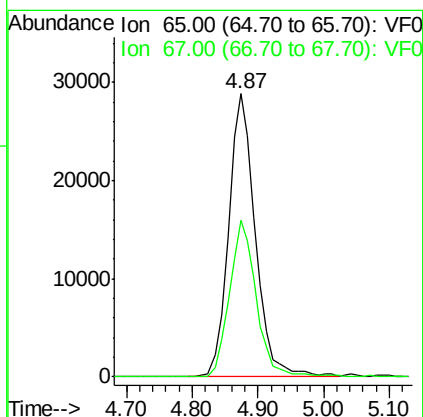
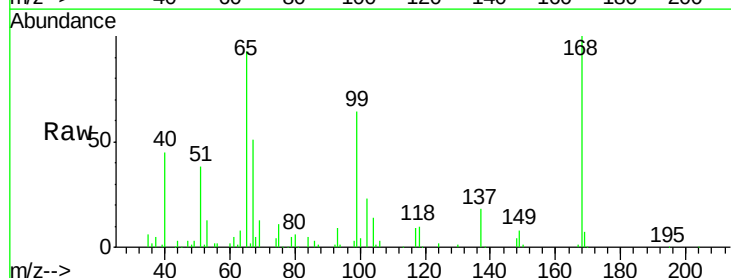
Manual Integrations
APPROVED

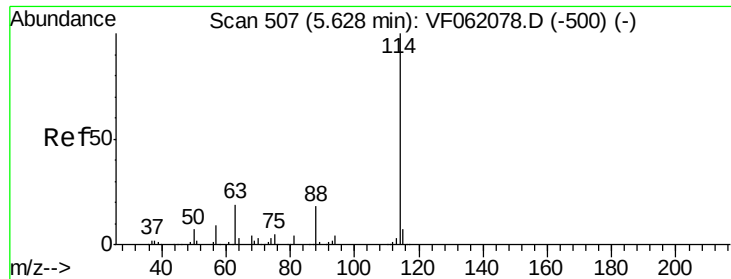
MMDadoda
3/27/2019 11:57:19 AM



#33
1,2-Dichloroethane-d4
Concen: 45.238 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.00 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.00 min

Lab File: VF062088.D

Acq: 22 Mar 2019 17:51

Instrument :

MSVOA_F

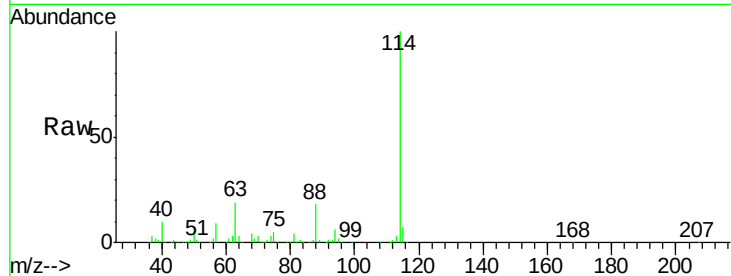
ClientSampleId :

WP022SB429-190319-(20-22)

Tot Ion:	114	Resp:	387884
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	37.8
88	18.5	0.0	36.4

Manual Integrations
APPROVED

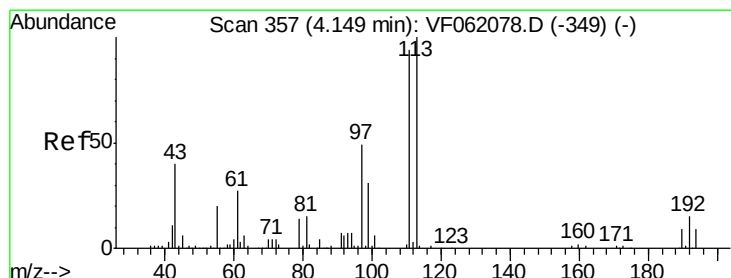
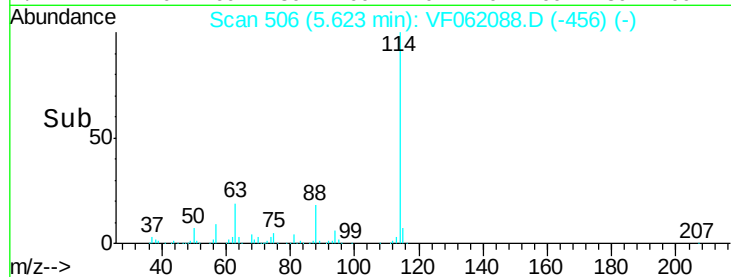
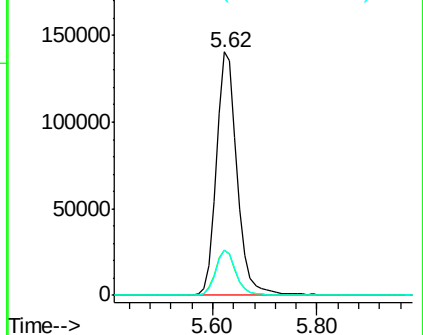
MMDadoda
3/27/2019 11:57:19 AM



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 47.713 ug/l

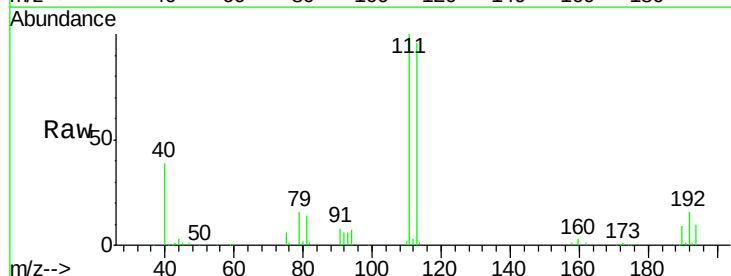
RT: 4.14 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062088.D

Acq: 22 Mar 2019 17:51

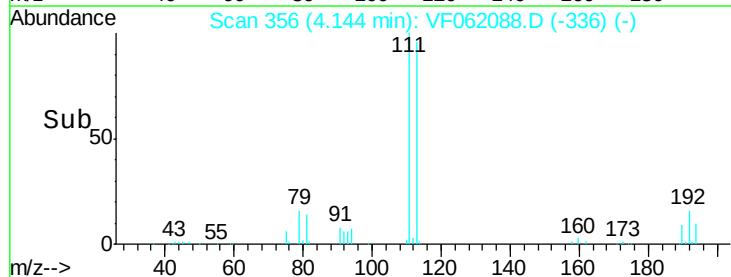
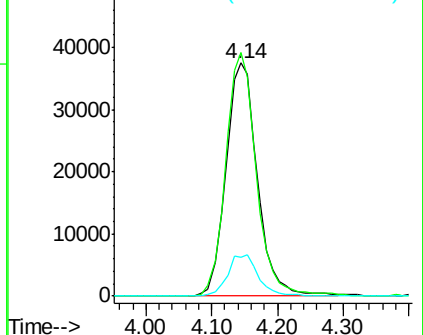
Tgt Ion:	113	Resp:	125193
Ion Ratio	Lower	Upper	
113	100		
111	104.4	75.4	113.0
192	16.9	12.3	18.5

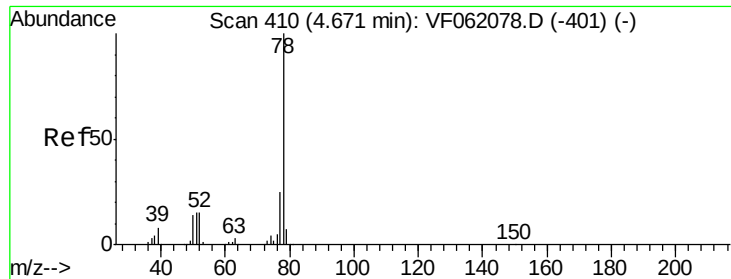


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 3.811 ug/l

RT: 4.67 min Scan# 409

Delta R.T. -0.00 min

Lab File: VF062088.D

Acq: 22 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-(20-22)

Tot Ion: 78 Resp: 37746

Ion Ratio Lower Upper

78 100

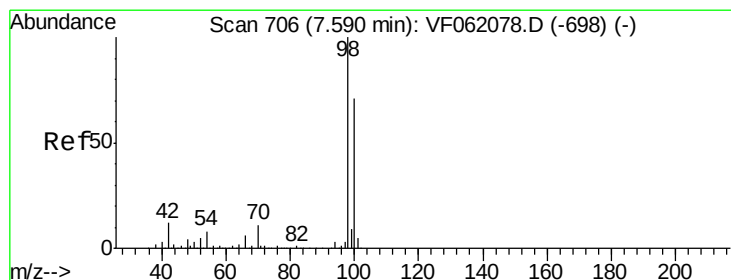
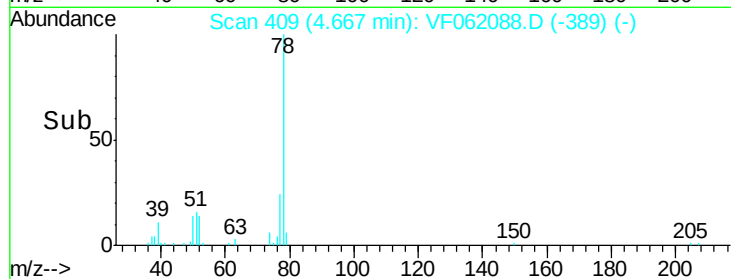
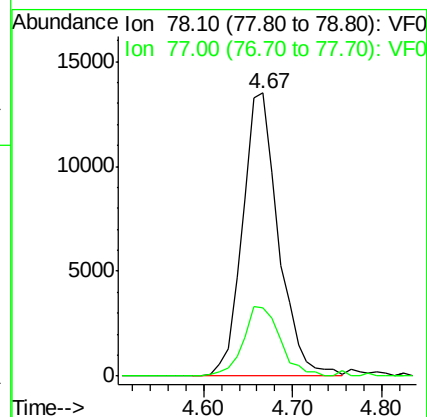
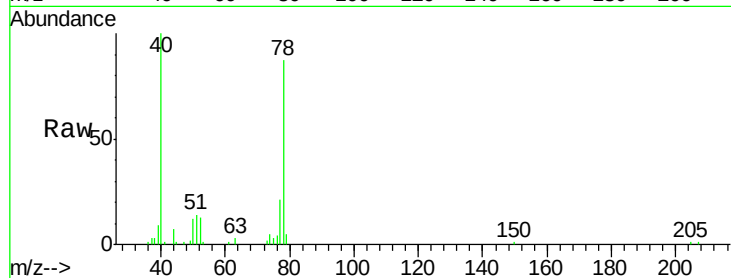
77 24.2 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:19 AM



#50

Toluene-d8

Concen: 44.382 ug/l

RT: 7.59 min Scan# 705

Delta R.T. -0.00 min

Lab File: VF062088.D

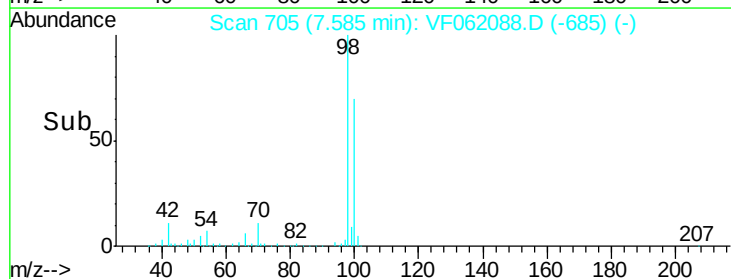
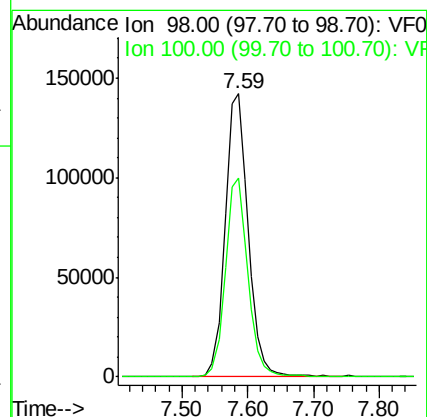
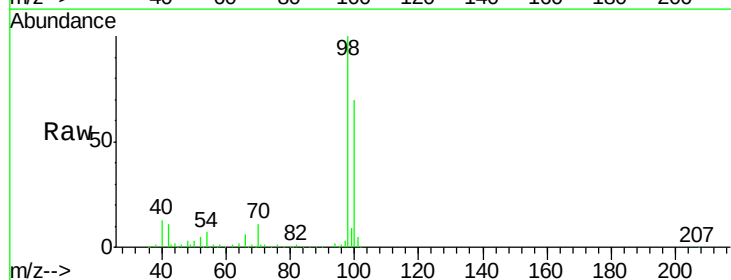
Acq: 22 Mar 2019 17:51

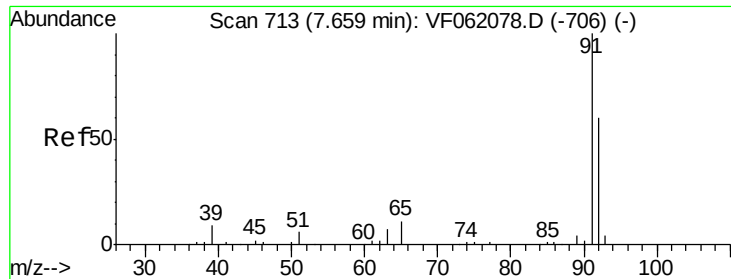
Tgt Ion: 98 Resp: 347617

Ion Ratio Lower Upper

98 100

100 70.3 57.0 85.6





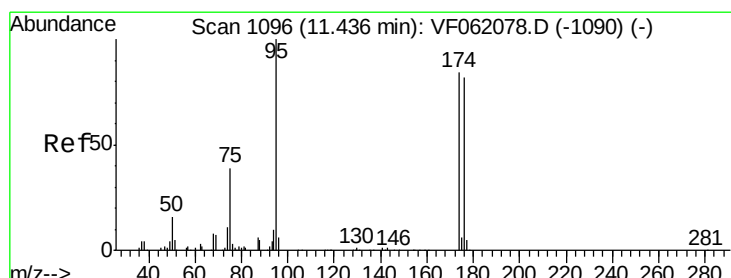
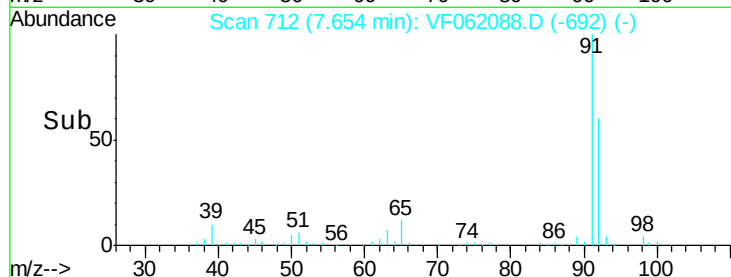
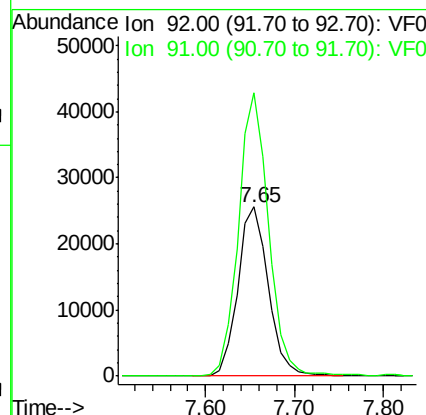
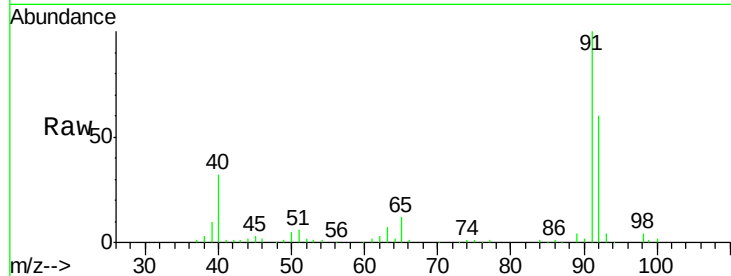
#52
Toluene
Concen: 10.622 ug/l
RT: 7.65 min Scan# 712
Delta R.T. -0.00 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

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

Tot Ion: 92 Resp: 60936
Ion Ratio Lower Upper
92 100
91 167.5 134.1 201.1

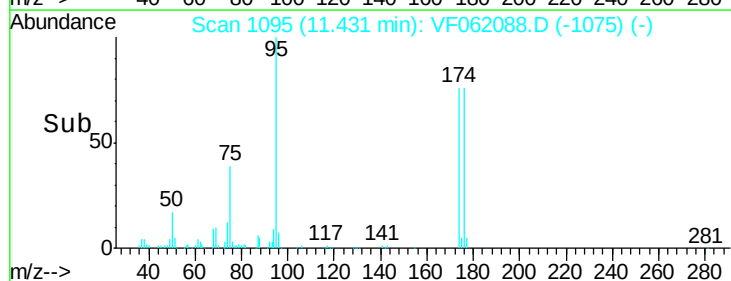
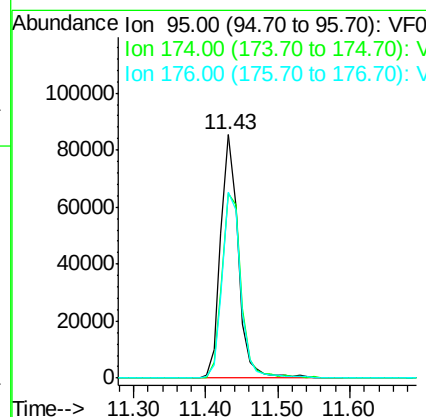
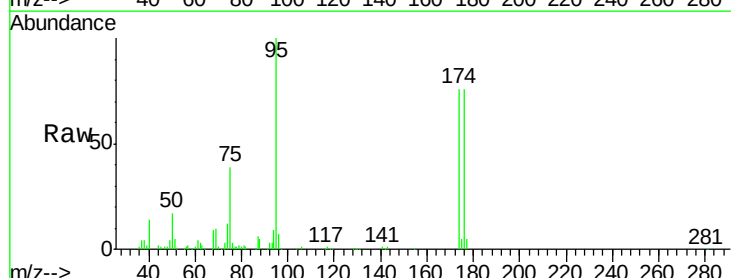
Manual Integrations
APPROVED

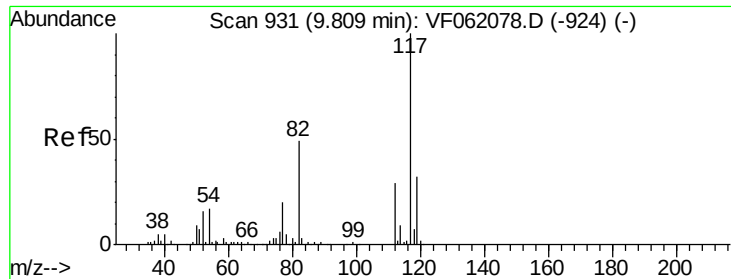
MMDadoda
3/27/2019 11:57:19 AM



#62
4-Bromofluorobenzene
Concen: 47.624 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

Tgt Ion: 95 Resp: 144003
Ion Ratio Lower Upper
95 100
174 75.7 0.0 168.2
176 76.4 0.0 164.2





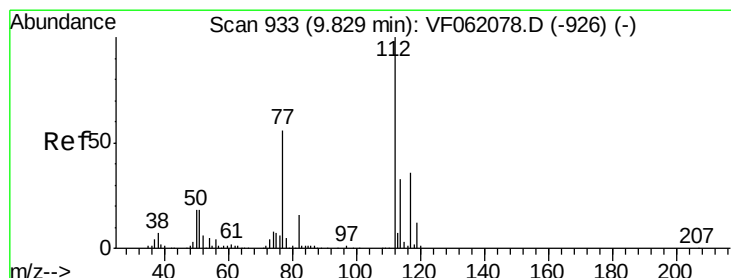
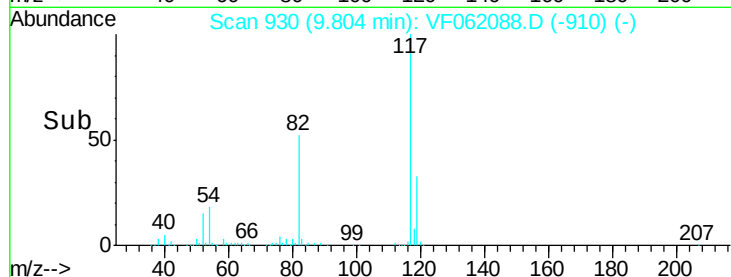
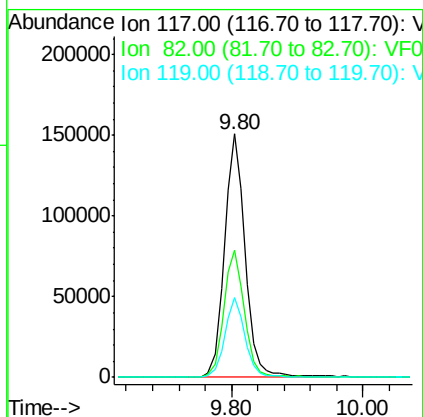
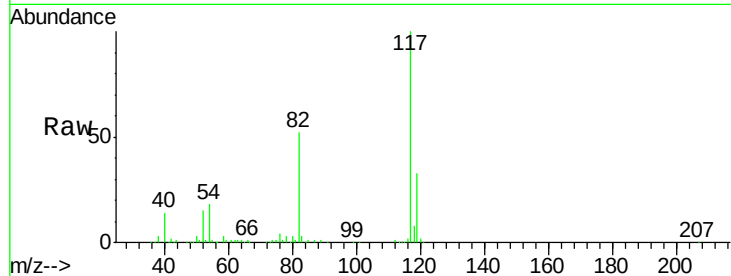
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	331879		
82	52.2		39.2	58.8
119	32.7		25.4	38.2

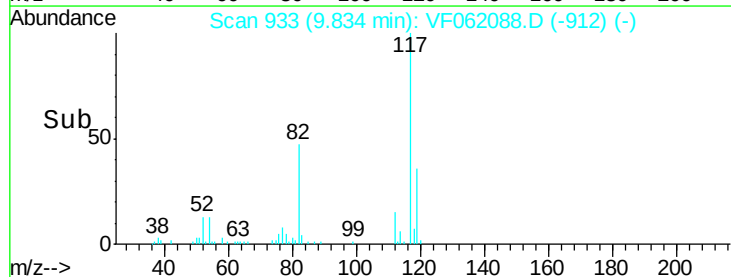
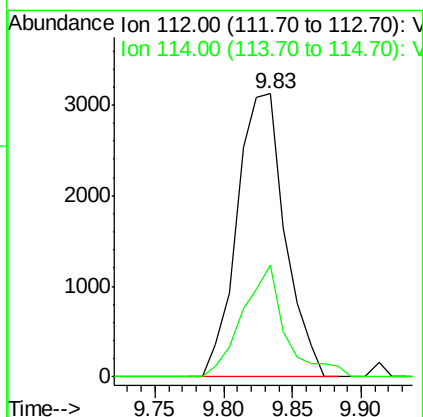
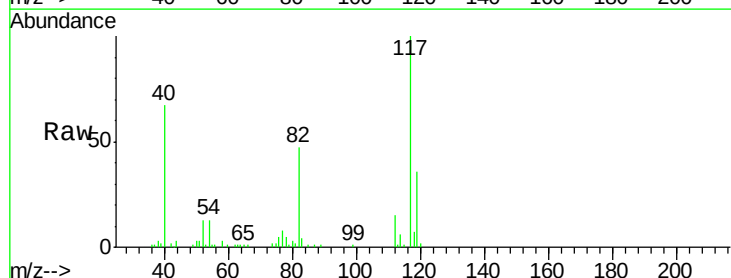
Manual Integrations
APPROVED

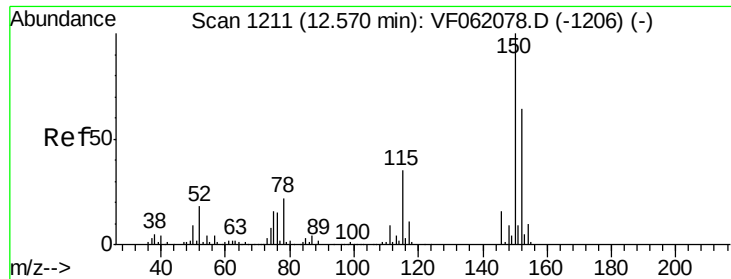
MMDadoda
3/27/2019 11:57:19 AM



#65
Chlorobenzene
Concen: 1.224 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.01 min
Lab File: VF062088.D
Acq: 22 Mar 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	7602		
114	39.7		26.0	39.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.58 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VF062088.D

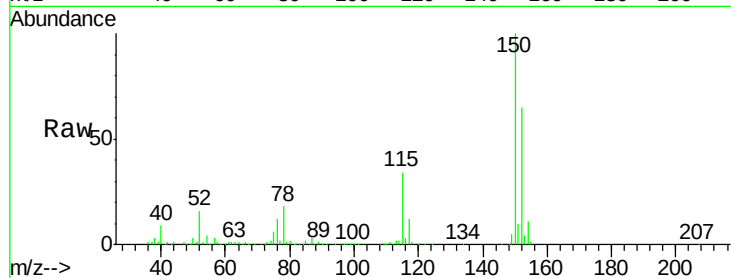
Acq: 22 Mar 2019 17:51

Instrument :

MSVOA_F

ClientSampleId :

WP022SB429-190319-(20-22)



Tot Ion:152 Resp: 179190

Ion Ratio Lower Upper

152 100

115 51.9 27.7 83.1

150 153.6 0.0 313.2

Manual Integrations

APPROVED

MMDadoda

3/27/2019 11:57:19 AM

