

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060873.D
 Acq On : 29 Nov 2018 18:16
 Operator : VA/AP
 Sample : J5770-15RE
 Misc : 6.71g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-112918-BRE

Manual Integrations
 APPROVED

apatel
 12/3/2018 12:32:15 PM

Quant Time: Nov 30 06:25:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	196357	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	344052	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	295232	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	125553	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	133067	57.53	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	115.06%	
35) Dibromofluoromethane	4.11	113	150040	54.97	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	109.94%	
50) Toluene-d8	7.56	98	363461	45.21	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	90.42%	
62) 4-Bromofluorobenzene	11.42	95	151959	41.59	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.18%	
Target Compounds						
16) Acetone	2.23	43	18585	43.570	ug/l	98
20) Methylene Chloride	2.24	84	20634m	13.186	ug/l	
95) Naphthalene	14.47	128	119087	20.335	ug/l	98

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

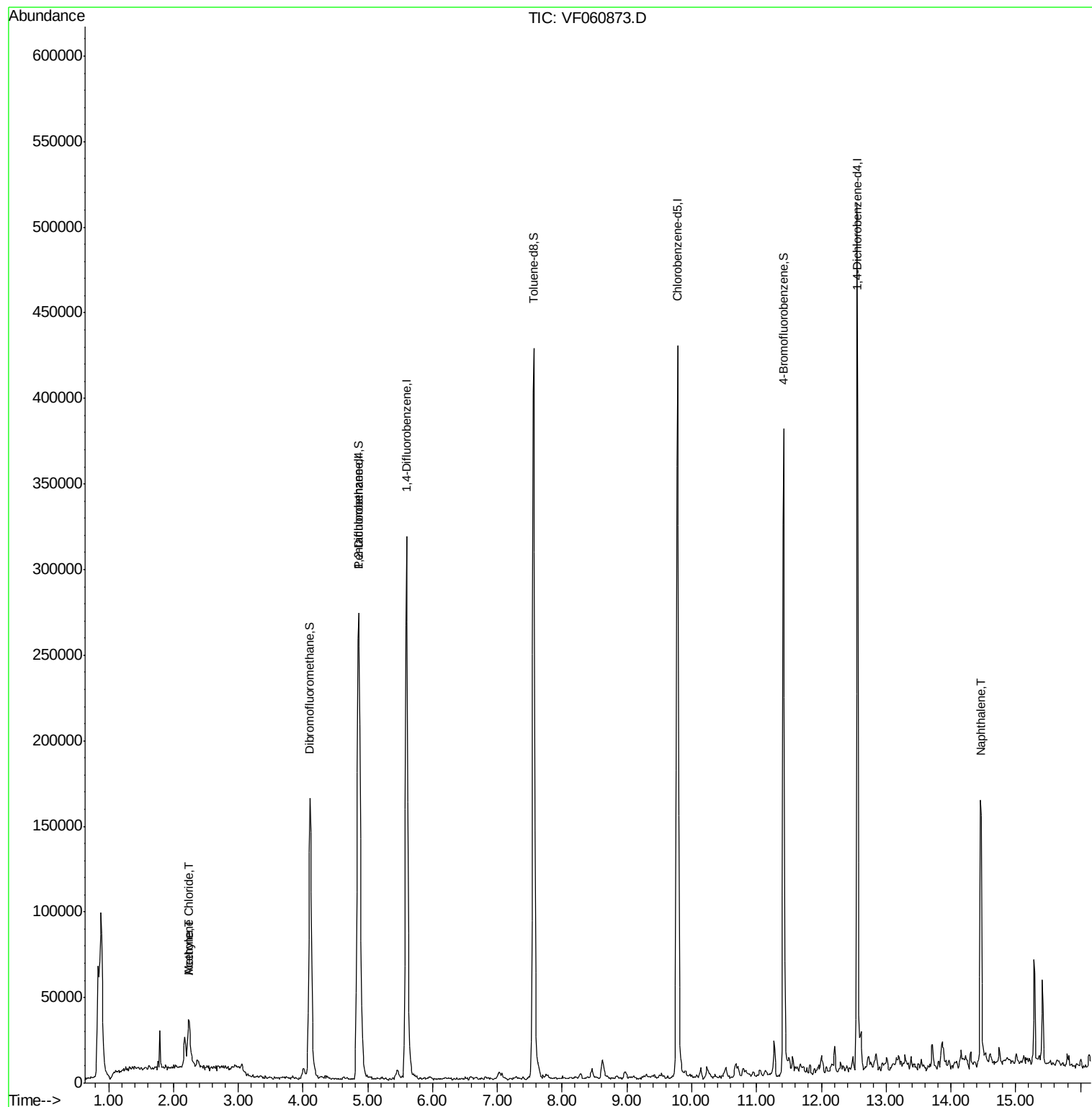
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112918\
Data File : VF060873.D
Acq On : 29 Nov 2018 18:16
Operator : VA/AP
Sample : J5770-15RE
Misc : 6.71g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

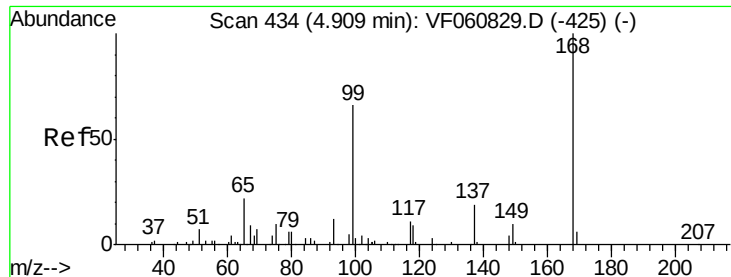
Instrument :
MSVOA_F
ClientSampleId :
OR-03-112918-BRE

Manual Integrations
APPROVED

apatel
12/3/2018 12:32:15 PM

Quant Time: Nov 30 06:25:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060873.D

Acq: 29 Nov 2018 18:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-112918-BRE

Tot Ion:168 Resp: 196357

Ion Ratio Lower Upper

168 100

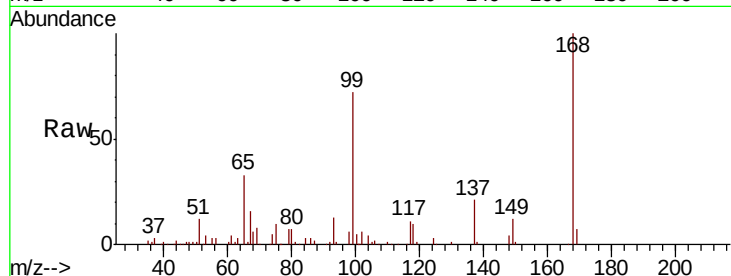
99 71.9 52.6 79.0

Manual Integrations

APPROVED

apatel

12/3/2018 12:32:15 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

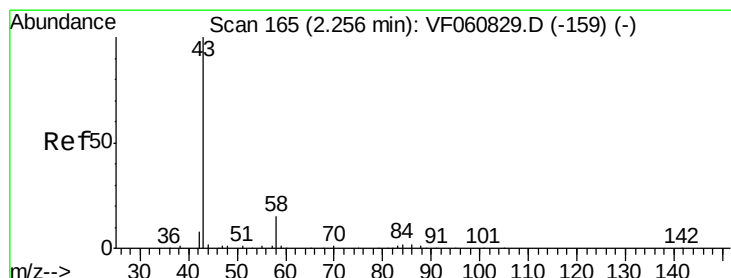
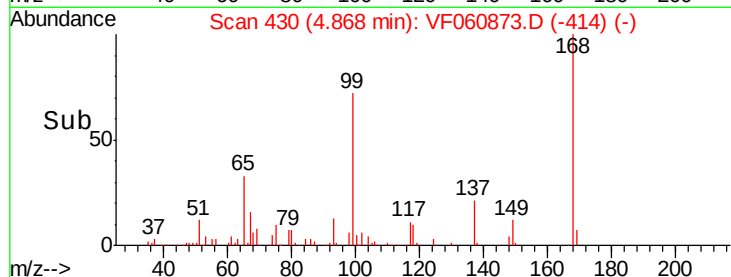
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 43.570 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060873.D

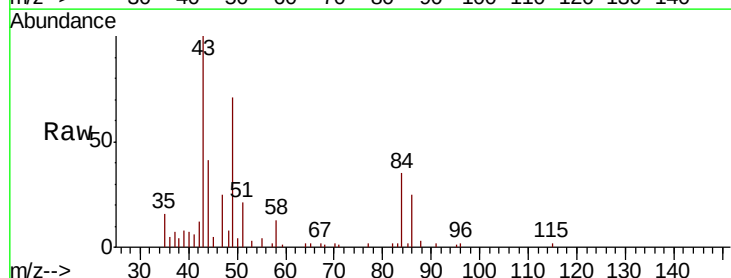
Acq: 29 Nov 2018 18:16

Tgt Ion: 43 Resp: 18585

Ion Ratio Lower Upper

43 100

58 13.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

8000

6000

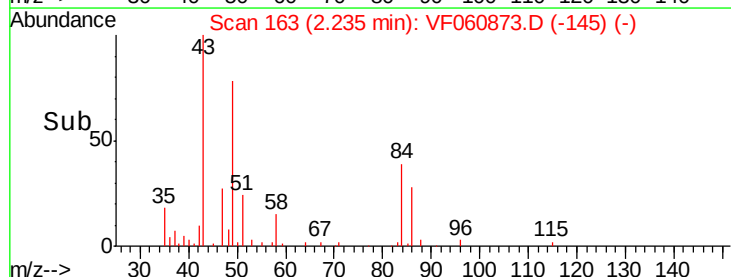
4000

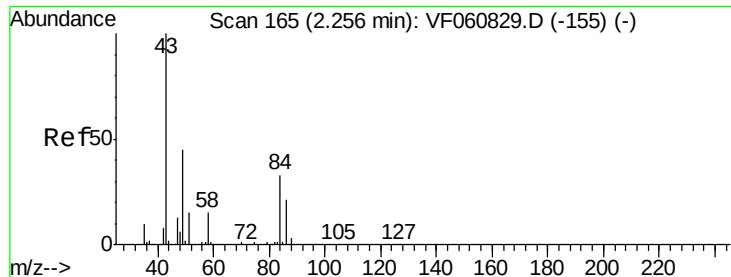
2000

0

Time-->

2.10 2.20 2.30





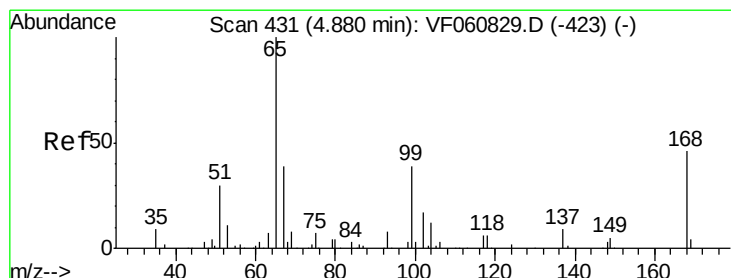
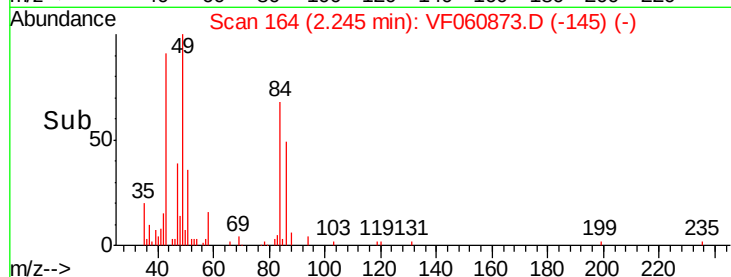
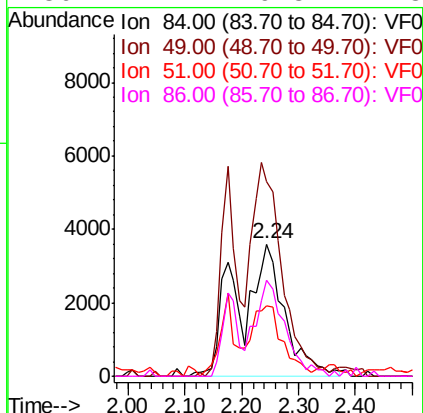
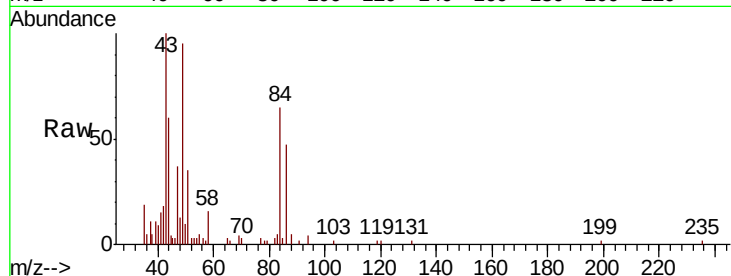
#20
Methylene Chloride
Concen: 13.186 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060873.D
Acq: 29 Nov 2018 18:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-112918-BRE

Tot Ion	84	Resp	20634
Ion Ratio	Lower	Upper	
84	100		
49	147.2	111.3	166.9
51	53.4	38.0	57.0
86	72.4	49.8	74.8

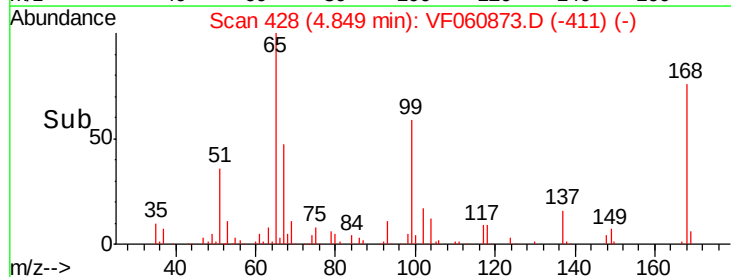
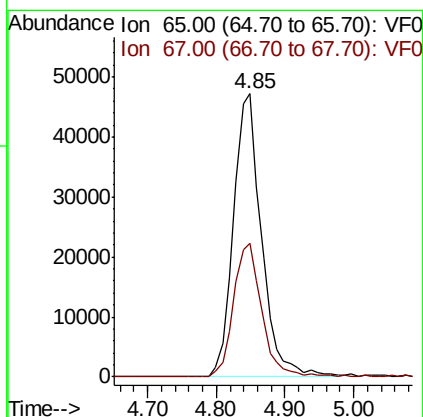
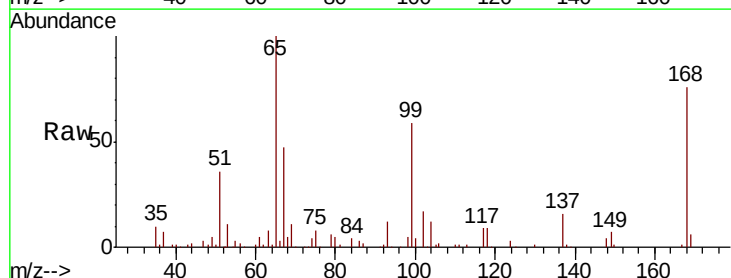
Manual Integrations
APPROVED

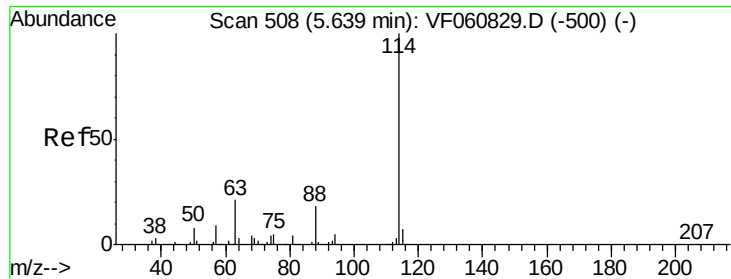
apatel
12/3/2018 12:32:15 PM



#33
1,2-Dichloroethane-d4
Concen: 57.526 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF060873.D
Acq: 29 Nov 2018 18:16

Tgt Ion	65	Resp	133067
Ion Ratio	Lower	Upper	
65	100		
67	47.2	0.0	96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060873.D

Acq: 29 Nov 2018 18:16

Instrument :

MSVOA_F

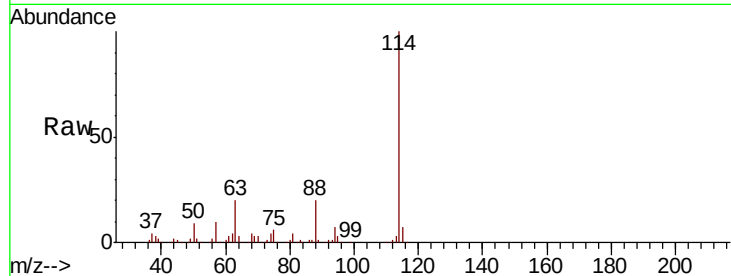
ClientSampleId :

OR-03-112918-BRE

Tot Ion:	114	Resp:	344052
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	41.6
88	20.2	0.0	36.6

Manual Integrations
APPROVED

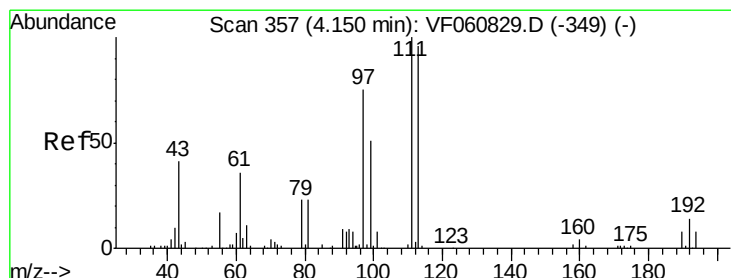
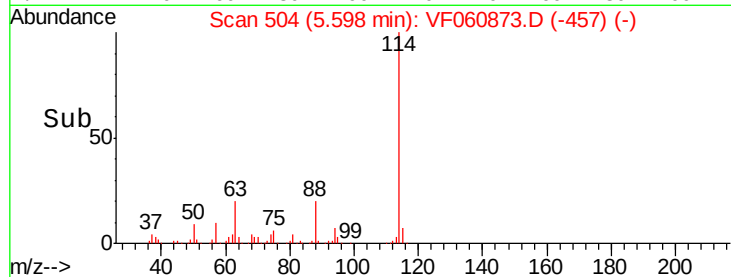
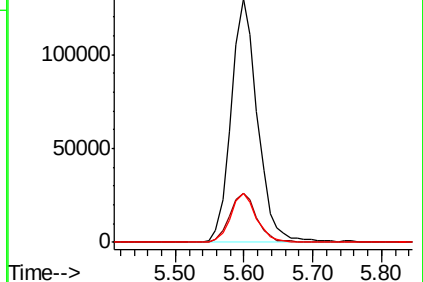
apatel
12/3/2018 12:32:15 PM



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: 54.971 ug/l

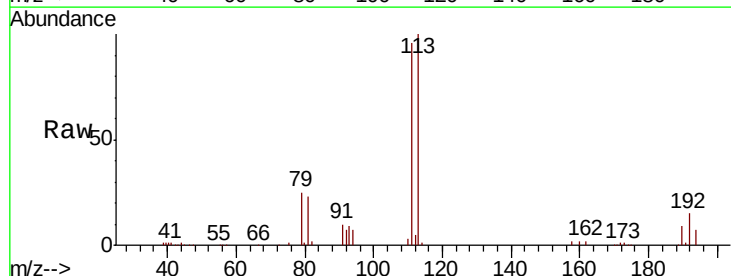
RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060873.D

Acq: 29 Nov 2018 18:16

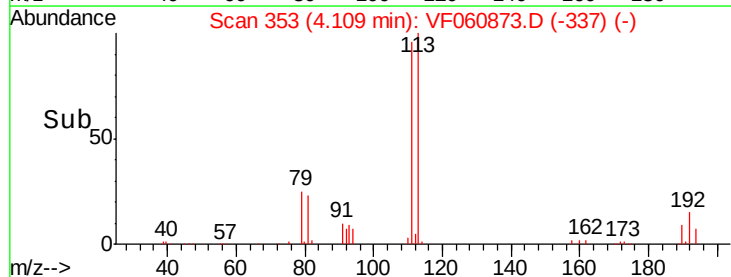
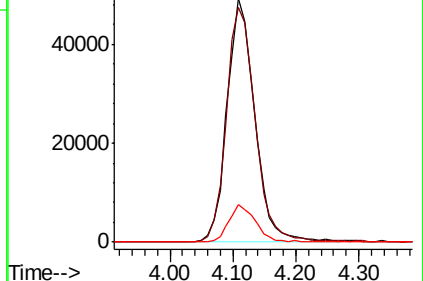
Tgt Ion:	113	Resp:	150040
Ion Ratio	Lower	Upper	
113	100		
111	96.4	83.0	124.6
192	15.5	12.3	18.5

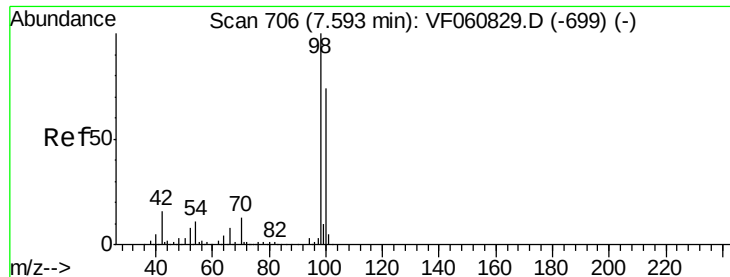


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 45.206 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060873.D

Acq: 29 Nov 2018 18:16

Instrument :

MSVOA_F

ClientSampleId :

OR-03-112918-BRE

Tot Ion: 98 Resp: 363461

Ion Ratio Lower Upper

98 100

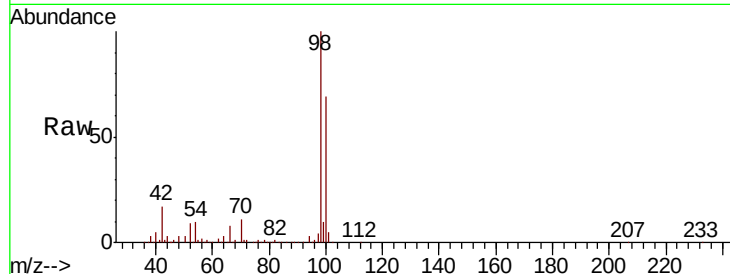
100 69.4 59.3 88.9

Manual Integrations

APPROVED

apatel

12/3/2018 12:32:15 PM



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

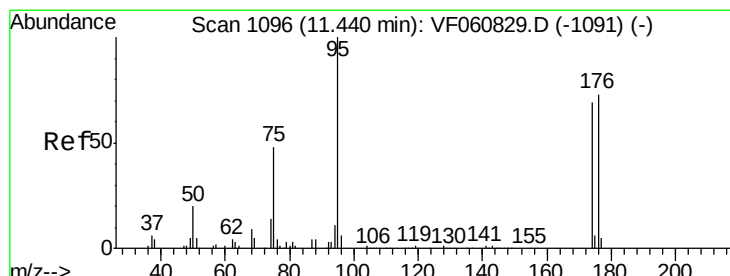
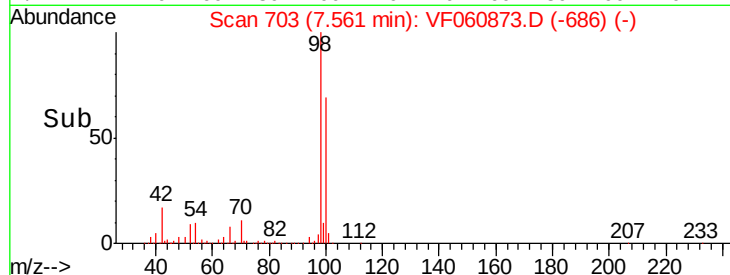
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 41.586 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060873.D

Acq: 29 Nov 2018 18:16

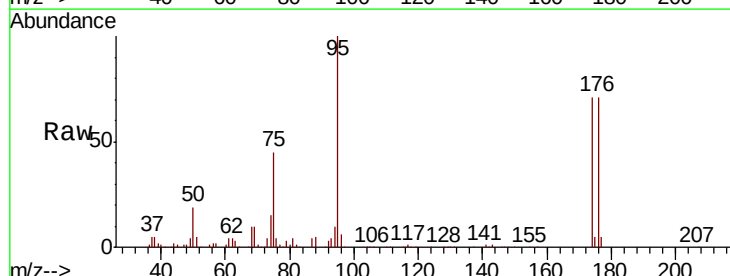
Tgt Ion: 95 Resp: 151959

Ion Ratio Lower Upper

95 100

174 70.7 0.0 138.2

176 71.4 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

100000

80000

60000

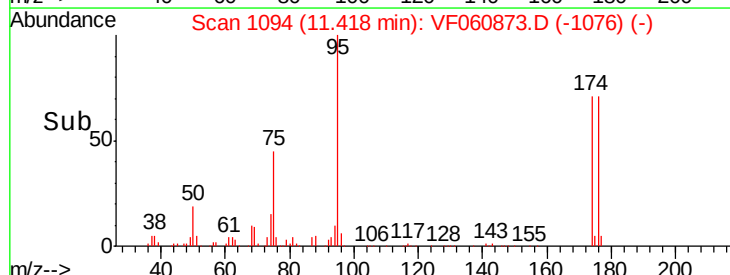
40000

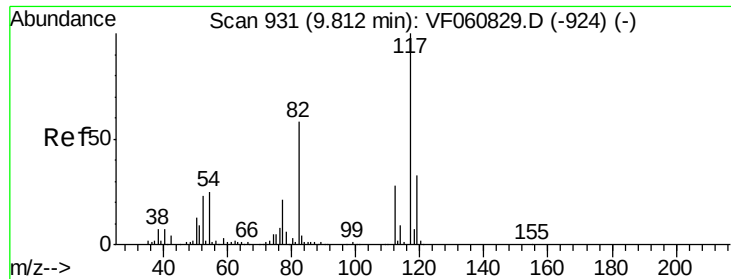
20000

0

11.30 11.40 11.50

Time-->





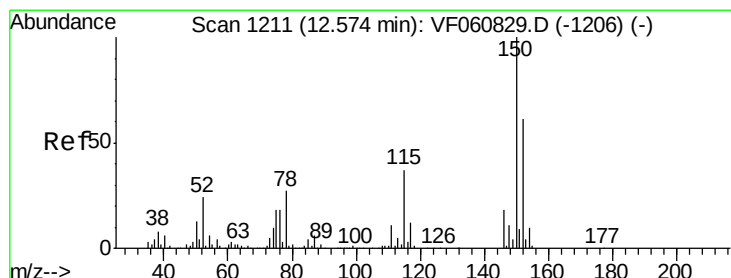
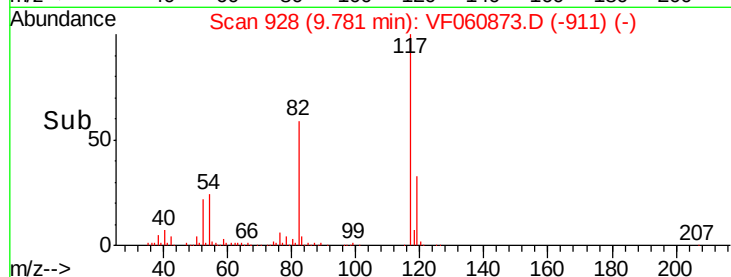
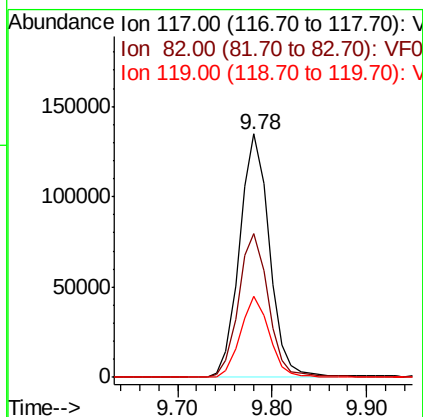
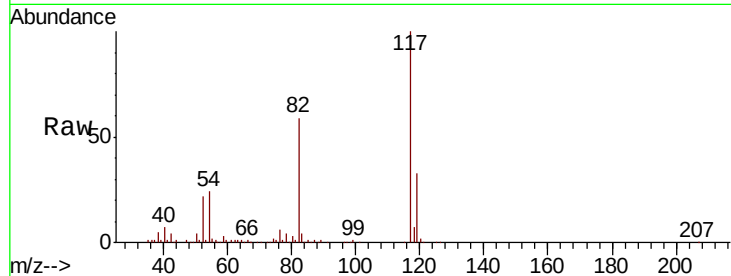
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060873.D
Acq: 29 Nov 2018 18:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-112918-BRE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295232		
82	58.8	46.6	69.8	
119	33.1	26.4	39.6	

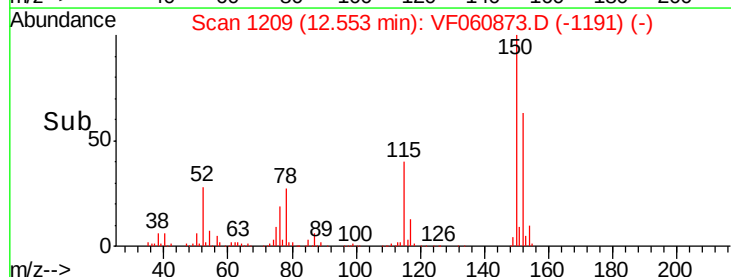
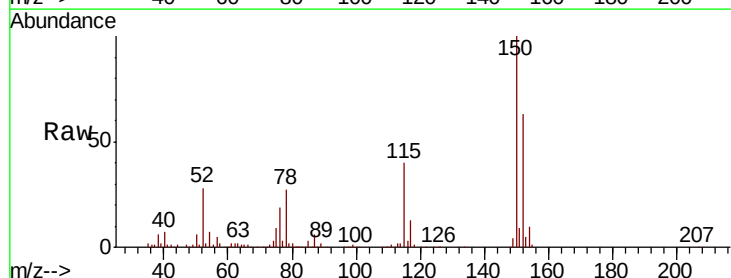
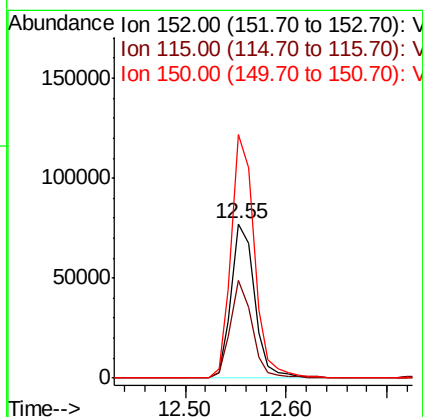
Manual Integrations
APPROVED

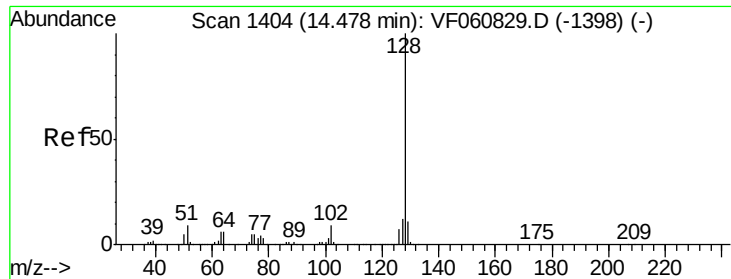
apatel
12/3/2018 12:32:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060873.D
Acq: 29 Nov 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	125553		
115	62.9	30.1	90.5	
150	157.8	0.0	327.6	





#95
Naphthalene
Concen: 20.335 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060873.D
Acq: 29 Nov 2018 18:16

Instrument :
MSVOA_F
ClientSampleId :
OR-03-112918-BRE

Tot Ion:	128	Resp:	119087
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	10.2	9.1	13.7

Manual Integrations
APPROVED

apatel
12/3/2018 12:32:15 PM

