

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF051019\
 Data File : VF062449.D
 Acq On : 11 May 2019 5:56
 Operator : FY/SY
 Sample : K2729-01
 Misc : 6.82g/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1

Manual Integrations
 APPROVED

mohammad
 5/14/2019 8:35:53 AM

Quant Time: May 14 01:20:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	299764	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	419337	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	327343	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	175826	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	197245	69.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	139.26%	
35) Dibromofluoromethane	4.32	113	230030	68.86	ug/l	0.01
Spiked Amount 50.000			Recovery	=	137.72%	
50) Toluene-d8	7.72	98	370645	45.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.66%	
62) 4-Bromofluorobenzene	11.50	95	172203	47.20	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.40%	
Target Compounds						
20) Methylene Chloride	2.33	84	12710m	6.130	ug/l	Qvalue

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

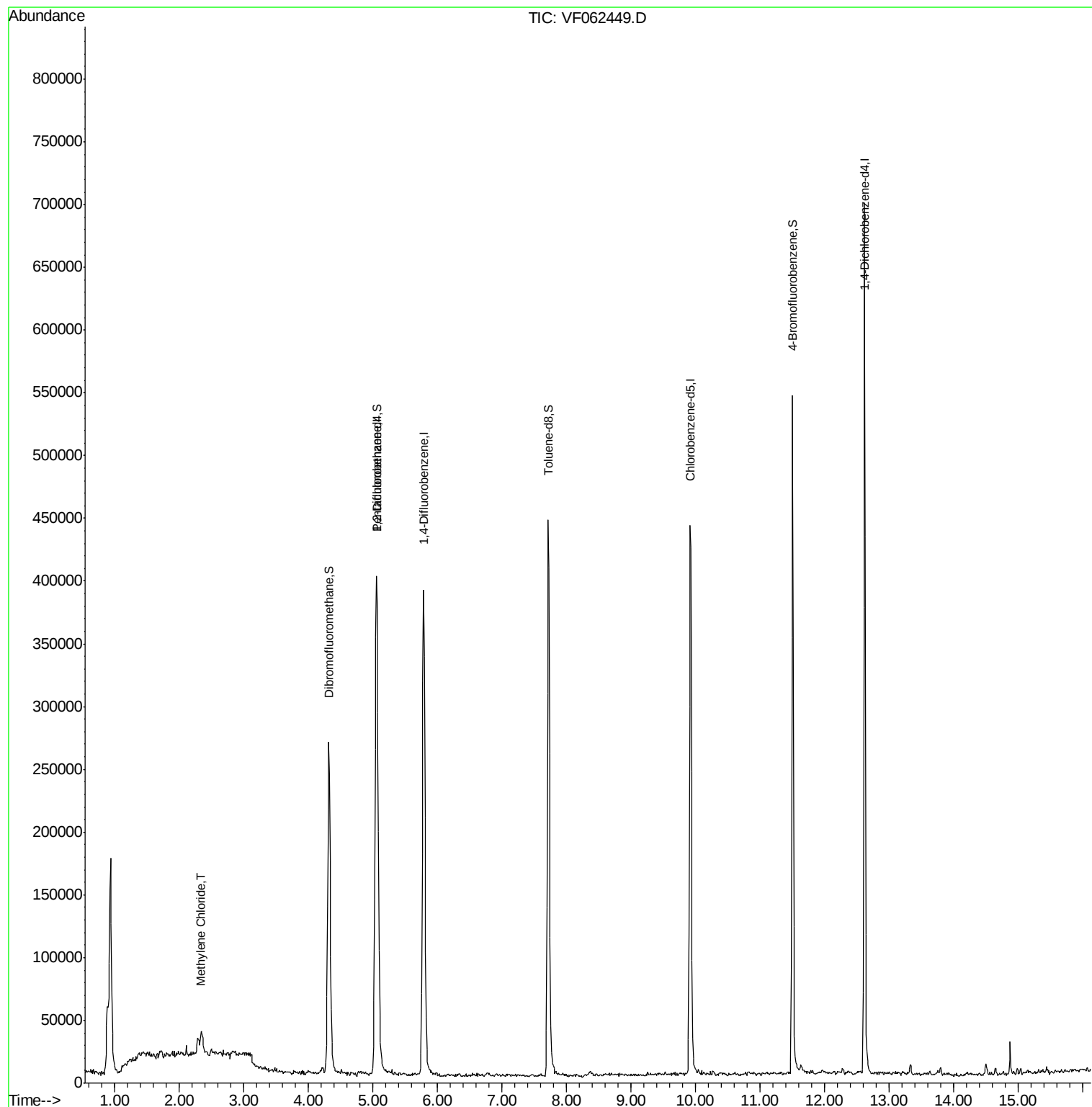
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF051019\
Data File : VF062449.D
Acq On : 11 May 2019 5:56
Operator : FY/SY
Sample : K2729-01
Misc : 6.82g/5mL/MSVOA F/SOIL
ALS Vial : 43 Sample Multiplier: 1

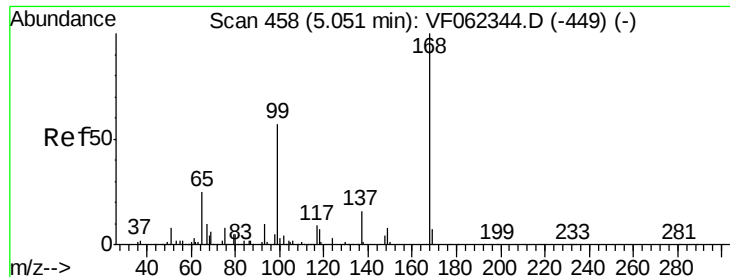
Instrument :
MSVOA_F
ClientSampleId :
B-1

Manual Integrations
APPROVED

mohammad
5/14/2019 8:35:53 AM

Quant Time: May 14 01:20:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Instrument :

MSVOA_F

ClientSampled :

B-1

Tot Ion:168 Resp: 299764

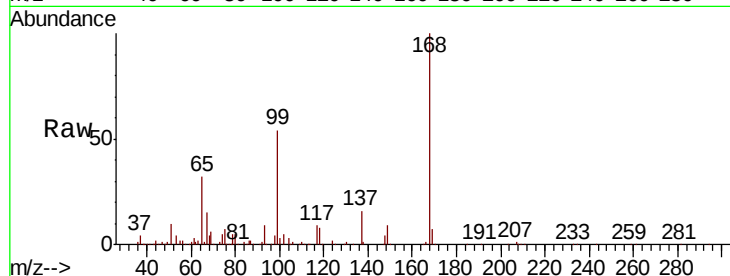
Ion Ratio Lower Upper

168 100

99 54.2 45.9 68.9

Manual Integrations
APPROVED

mohammad
5/14/2019 8:35:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

120000

100000

80000

60000

40000

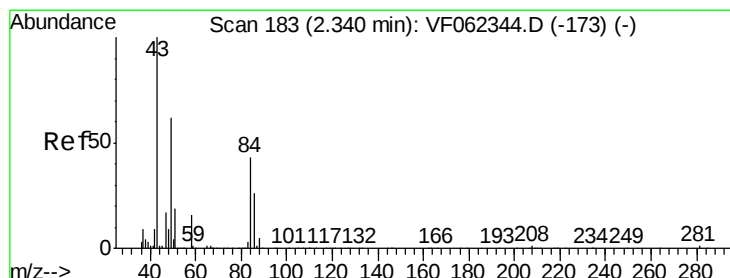
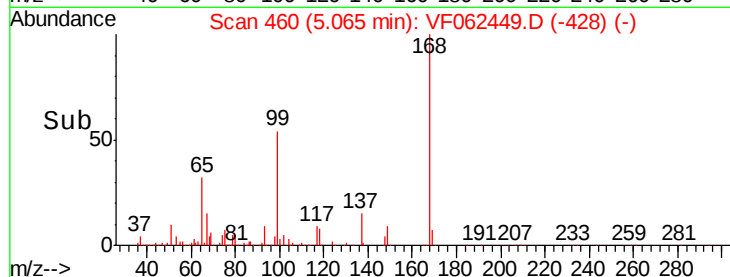
20000

0

5.06

5.20

Time-->



#20

Methylene Chloride

Concen: 6.130 ug/l m

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Tgt Ion: 84 Resp: 12710

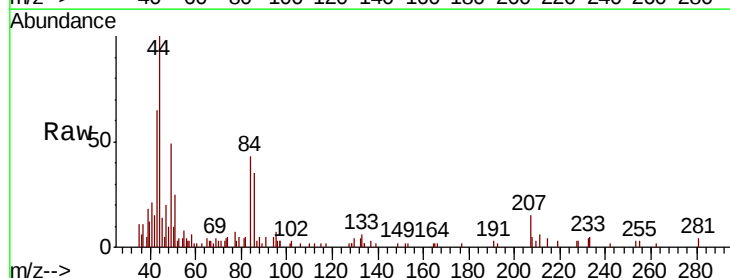
Ion Ratio Lower Upper

84 100

49 114.1 117.5 176.3#

51 56.7 37.0 55.4#

86 80.4 49.3 73.9#



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

5000

4000

3000

2000

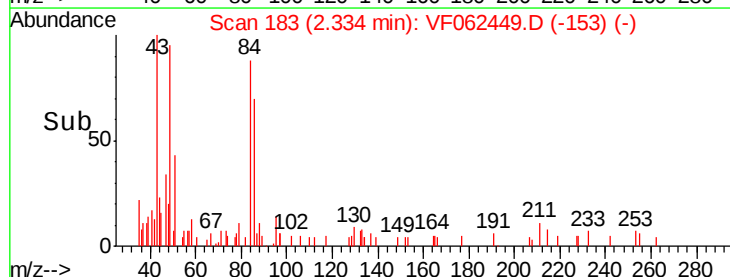
1000

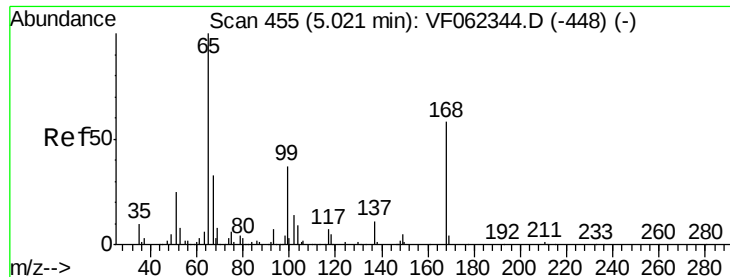
0

2.33

2.50

Time-->





#33

1,2-Dichloroethane-d4

Concen: 69.627 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Instrument :

MSVOA_F

ClientSampled :

B-1

Tot Ion: 65 Resp: 197245

Ion Ratio Lower Upper

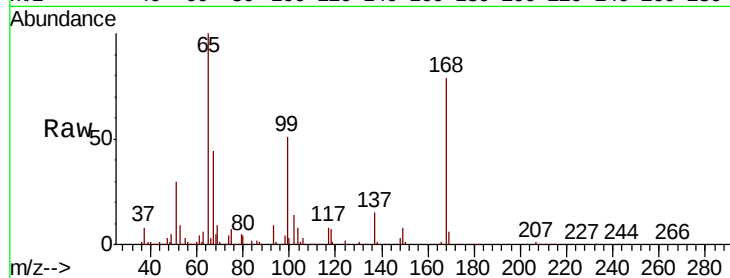
65 100

67 47.1 0.0 85.8

Manual Integrations
APPROVED

mohammad

5/14/2019 8:35:53 AM



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.05

80000

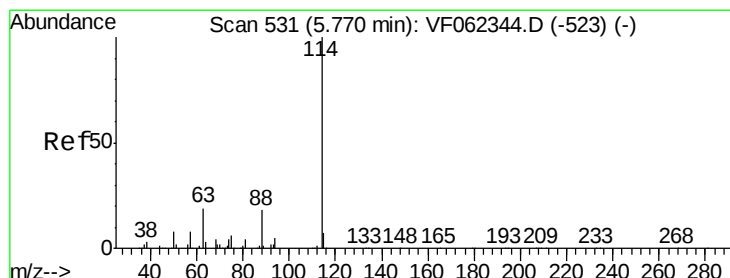
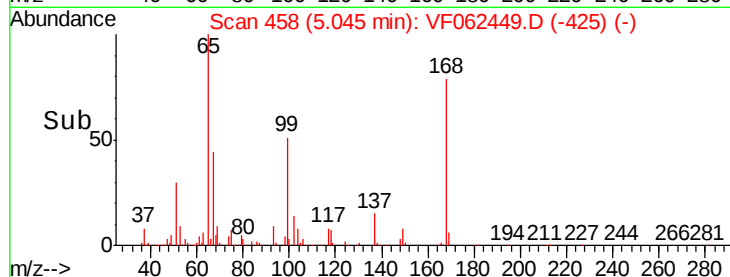
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

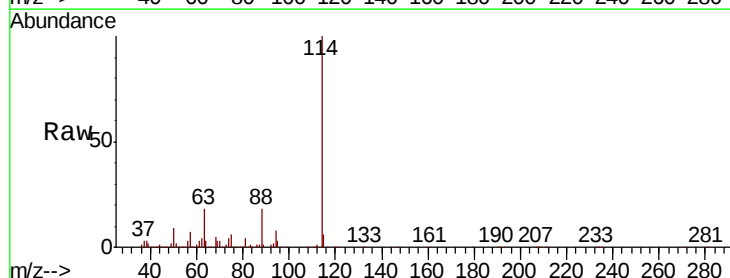
Tgt Ion: 114 Resp: 419337

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

88 17.5 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

5.78

200000

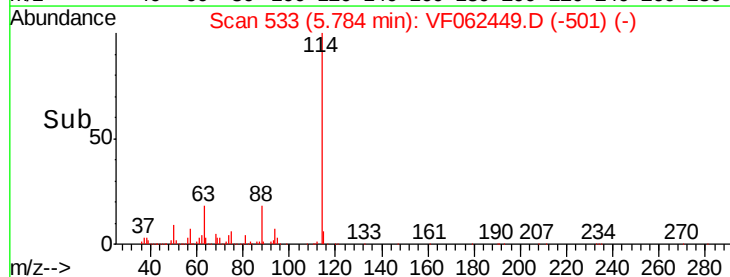
150000

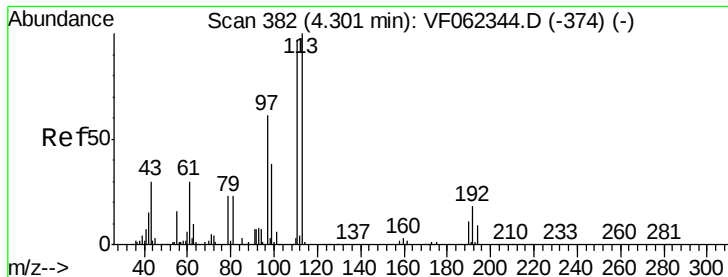
100000

50000

0

Time-->





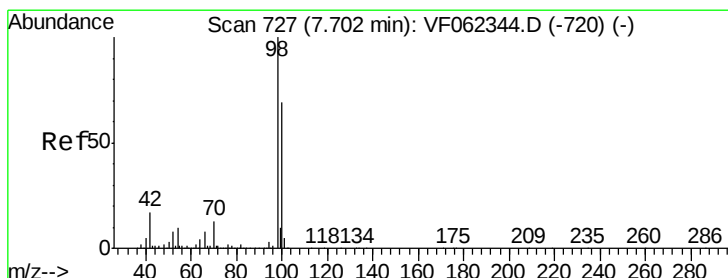
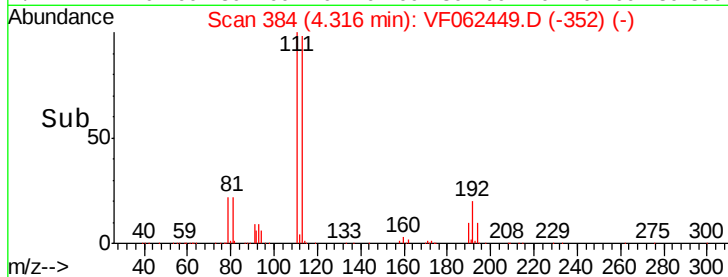
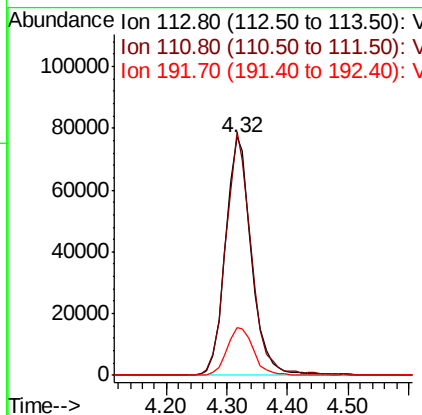
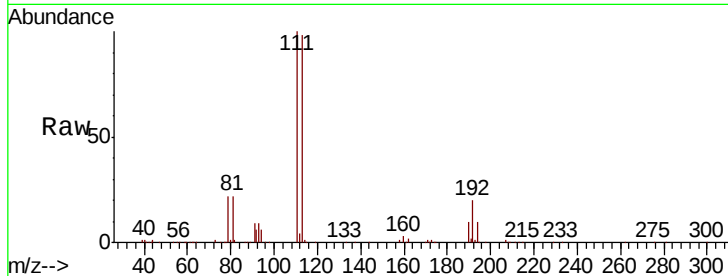
#35
 Dibromofluoromethane
 Concen: 68.855 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062449.D
 Acq: 11 May 2019 5:56

Instrument :
 MSVOA_F
 ClientSampled :
 B-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230030		
111	99.7	79.4	119.0	
192	20.4	16.0	24.0	

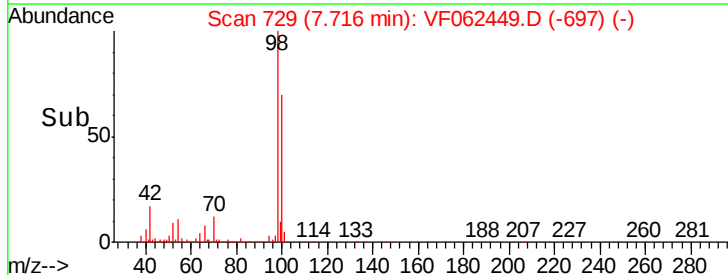
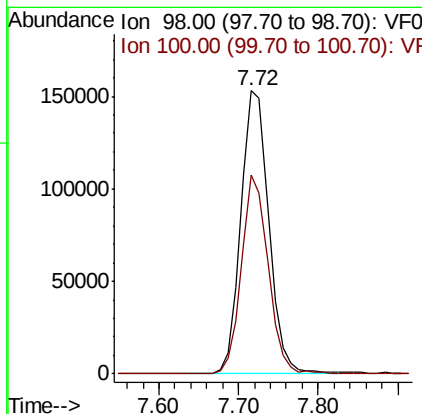
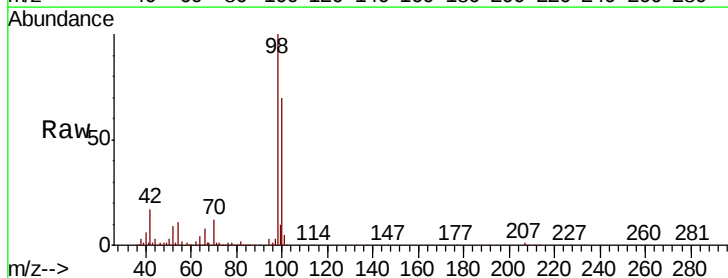
Manual Integrations
 APPROVED

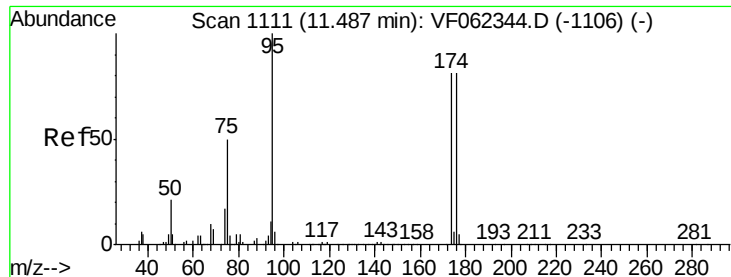
mohammad
 5/14/2019 8:35:53 AM



#50
 Toluene-d8
 Concen: 45.833 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VF062449.D
 Acq: 11 May 2019 5:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	370645		
100	67.3	53.3	79.9	





#62

4-Bromofluorobenzene

Concen: 47.198 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Instrument :

MSVOA_F

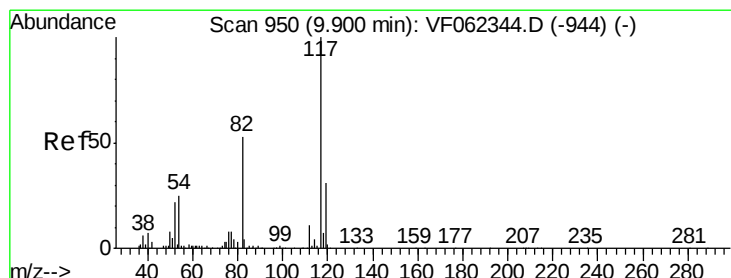
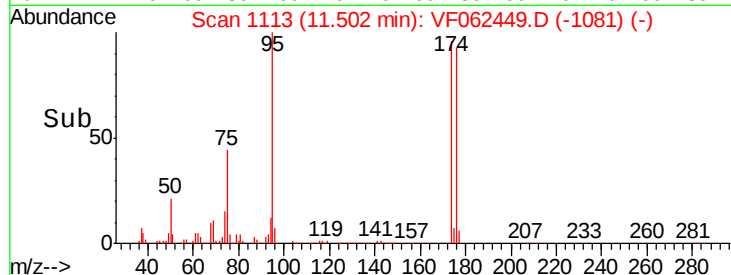
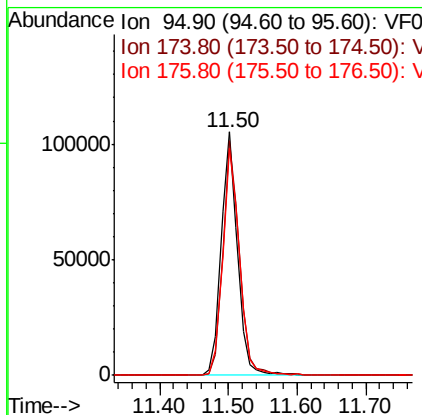
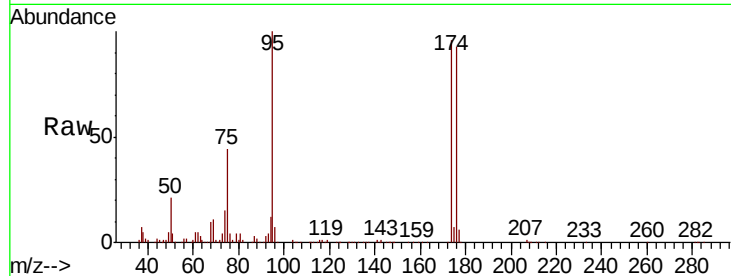
ClientSampled :

B-1

Tot Ion:	95	Resp:	172203
Ion Ratio	Lower	Upper	
95	100		
174	98.0	0.0	191.8
176	96.0	0.0	193.2

Manual Integrations
APPROVED

mohammad
5/14/2019 8:35:53 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

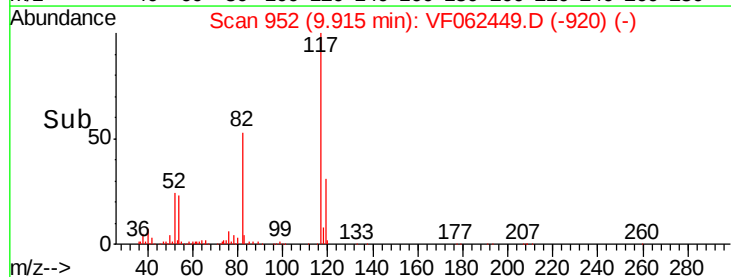
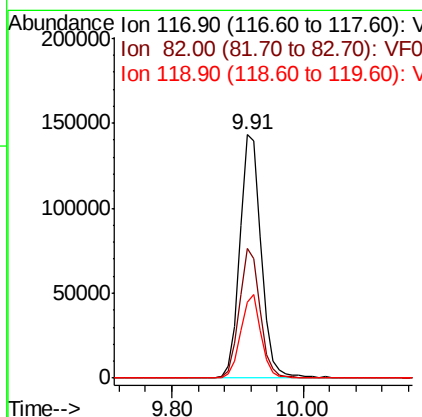
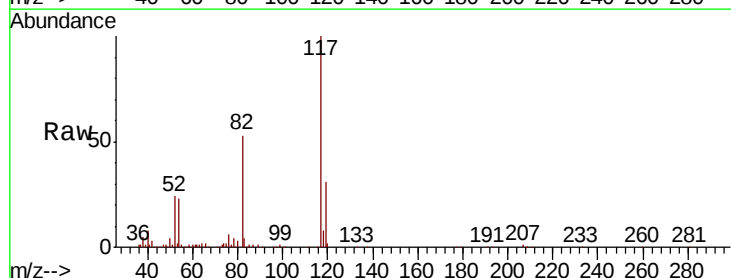
RT: 9.91 min Scan# 952

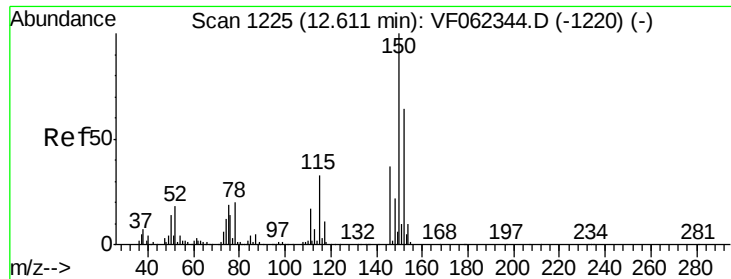
Delta R.T. 0.01 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Tgt Ion:	117	Resp:	327343
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.2	63.2
119	31.4	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062449.D

Acq: 11 May 2019 5:56

Instrument :

MSVOA_F

ClientSampleId :

B-1

Tot Ion:152 Resp: 175826

Ion Ratio Lower Upper

152 100

115 55.4 26.4 79.2

150 155.8 0.0 335.0

Manual Integrations
APPROVED

mohammad
5/14/2019 8:35:53 AM

