

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061895.D
 Acq On : 11 Mar 2019 17:55
 Operator : VA/AP
 Sample : K1824-15
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-2

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 4:37:00 PM

Quant Time: Mar 12 05:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	171125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	267417	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	204850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	98185	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	141169	113.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	226.56%	
35) Dibromofluoromethane	4.12	113	188083	100.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	201.56%	
50) Toluene-d8	7.56	98	452531	81.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	163.16%	
62) 4-Bromofluorobenzene	11.42	95	166524	76.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	153.28%	
Target Compounds						
20) Methylene Chloride	2.19	84	15664m	6.188	ug/l	Qvalue

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

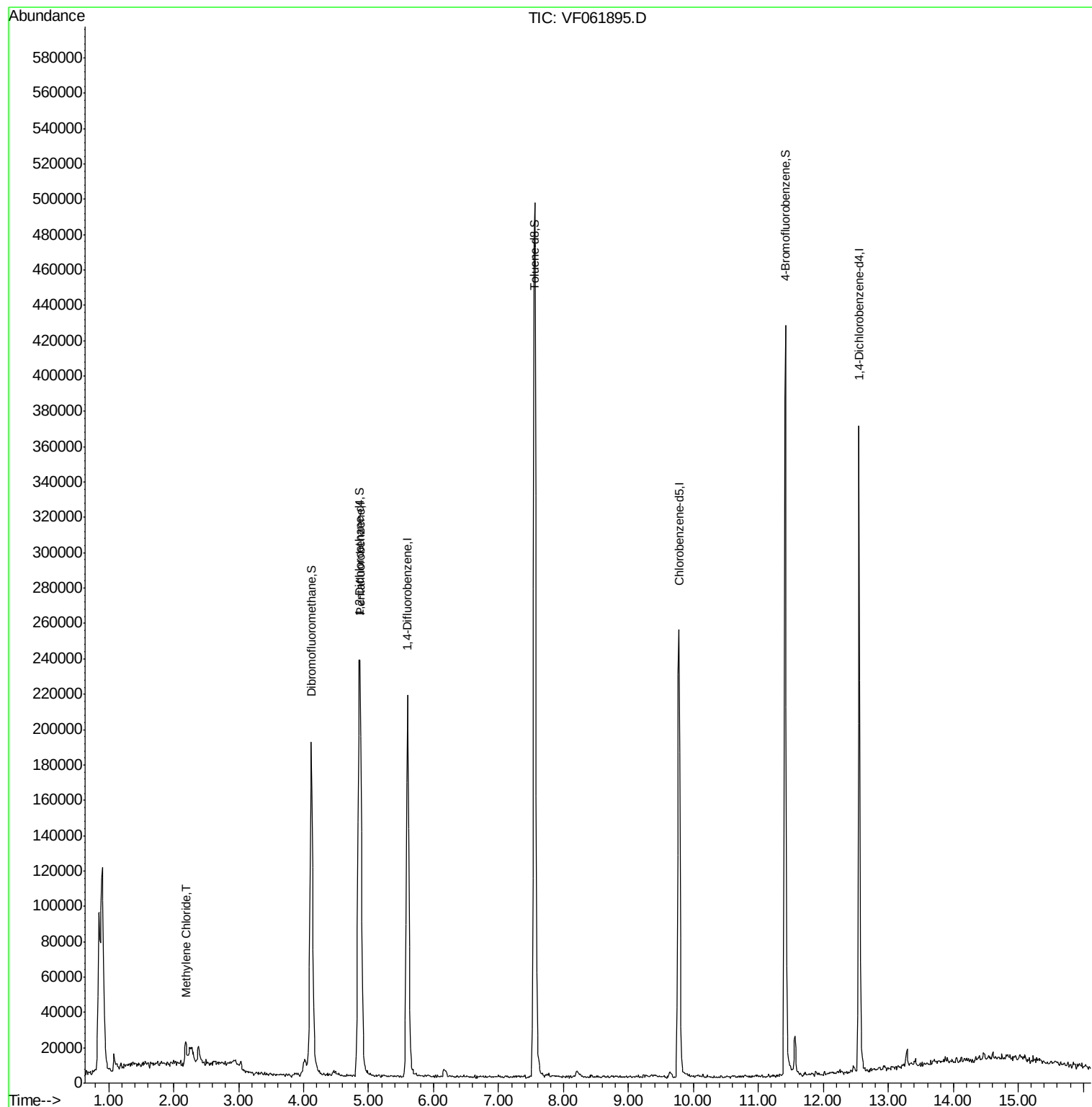
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
Data File : VF061895.D
Acq On : 11 Mar 2019 17:55
Operator : VA/AP
Sample : K1824-15
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

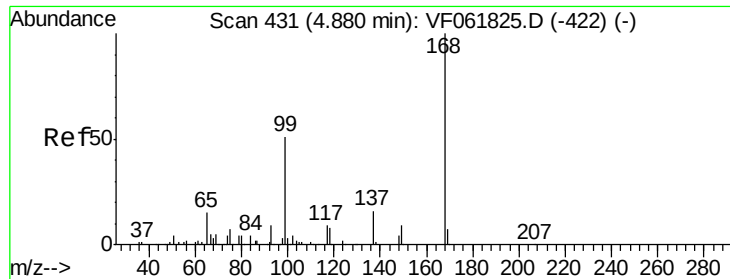
Instrument :
MSVOA_F
ClientSampleId :
P-2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 4:37:00 PM

Quant Time: Mar 12 05:56:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampled :

P-2

Tot Ion:168 Resp: 171125

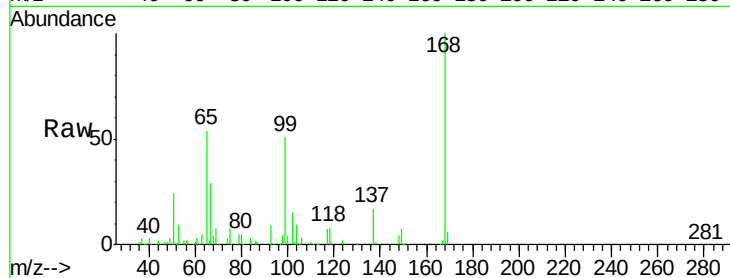
Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2

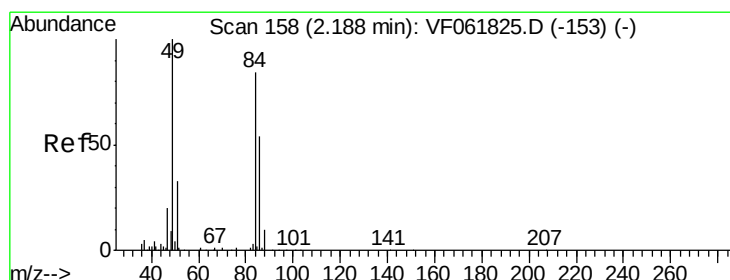
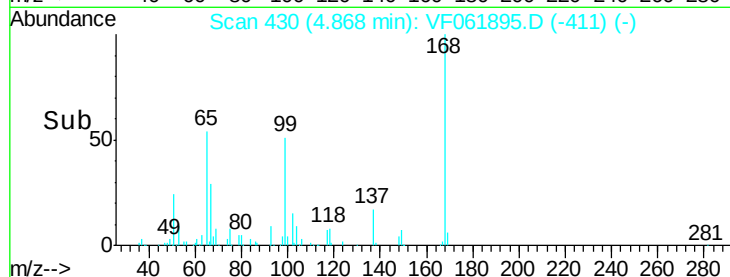
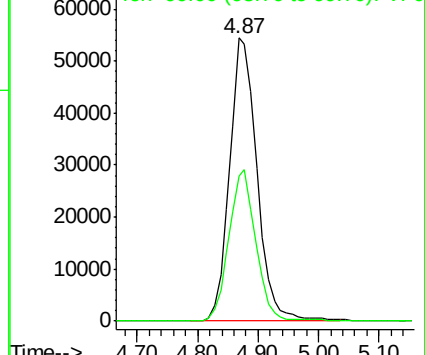
Manual Integrations
APPROVED

MMDadoda
3/12/2019 4:37:00 PM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#20

Methylene Chloride

Concen: 6.188 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Tgt Ion: 84 Resp: 15664

Ion Ratio Lower Upper

84 100

49 134.5 96.8 145.2

51 41.0 31.8 47.6

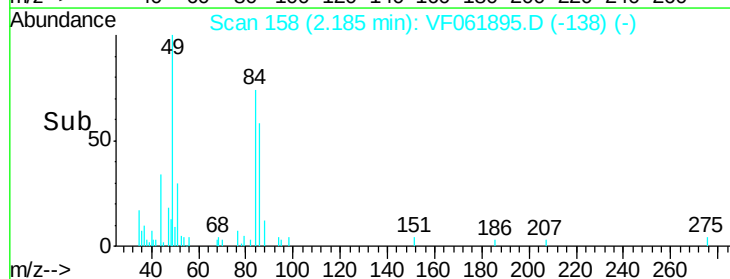
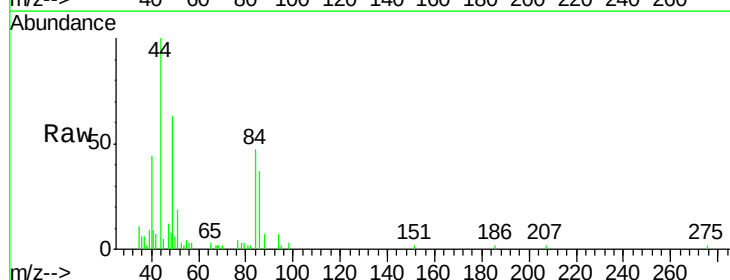
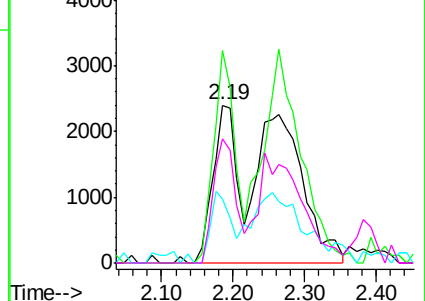
86 78.4 51.6 77.4#

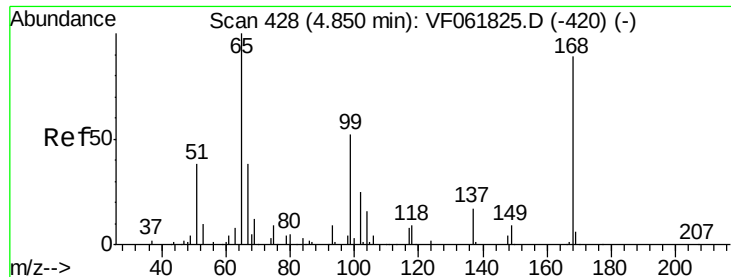
Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 113.279 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampled :

P-2

Tot Ion: 65 Resp: 141169

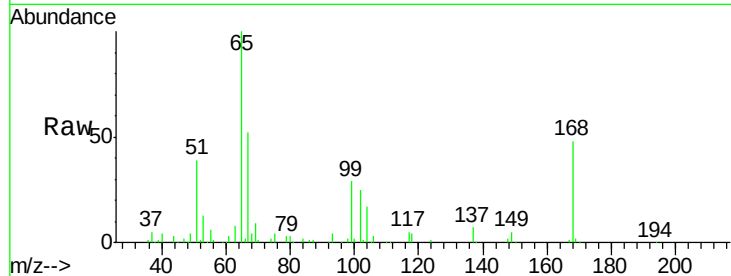
Ion Ratio Lower Upper

65 100

67 51.7 0.0 108.6

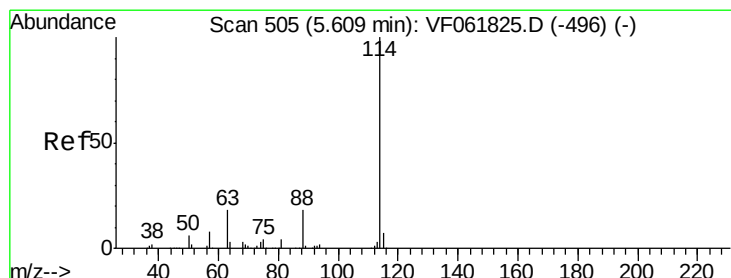
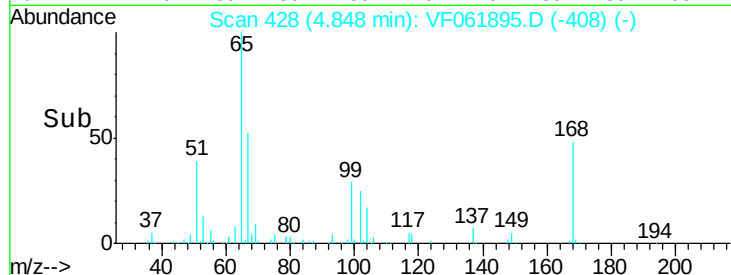
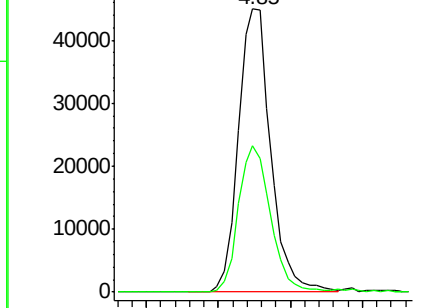
Manual Integrations
APPROVED

MMDadoda
3/12/2019 4:37:00 PM



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

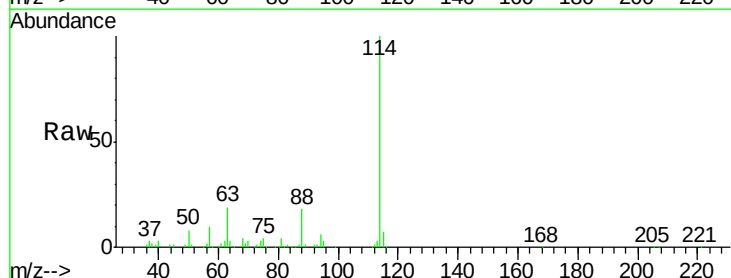
Tgt Ion: 114 Resp: 267417

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

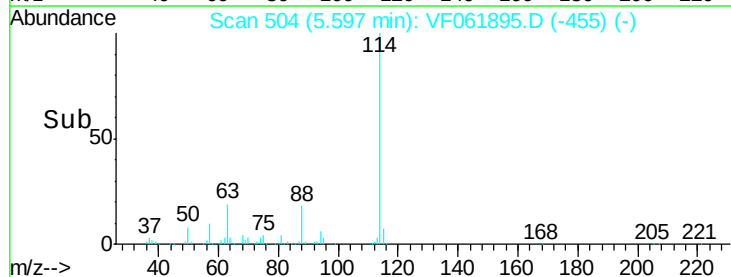
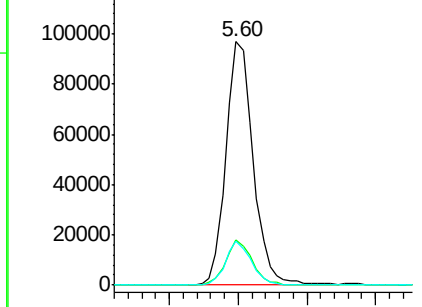
88 17.8 0.0 35.6

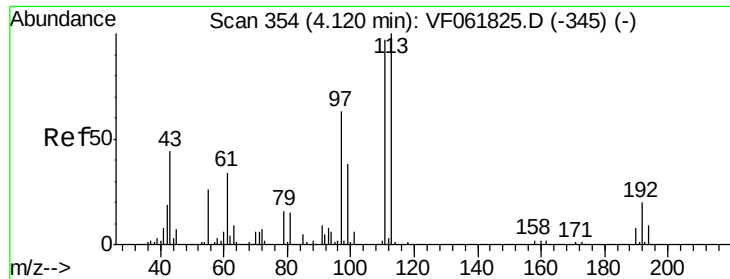


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 100.783 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

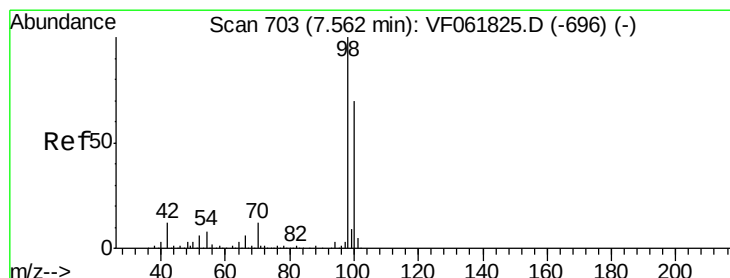
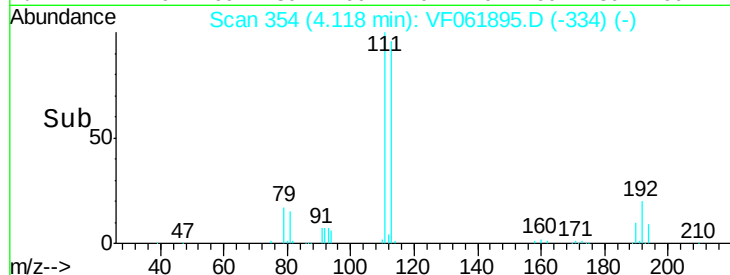
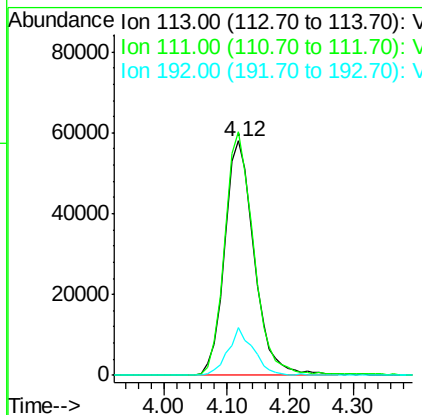
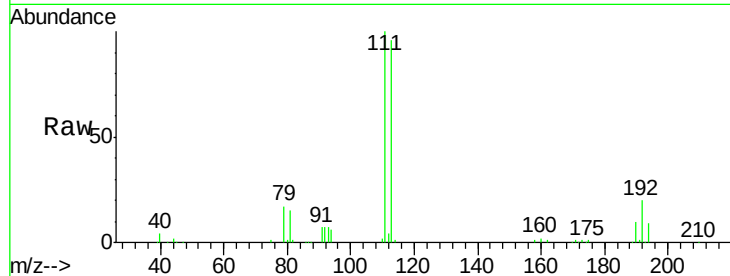
ClientSampleId :

P-2

Tot Ion:	113	Resp:	188083
Ion Ratio	Lower	Upper	
113	100		
111	103.9	77.6	116.4
192	20.6	15.9	23.9

Manual Integrations
APPROVED

MMDadoda
3/12/2019 4:37:00 PM



#50

Toluene-d8

Concen: 81.582 ug/l

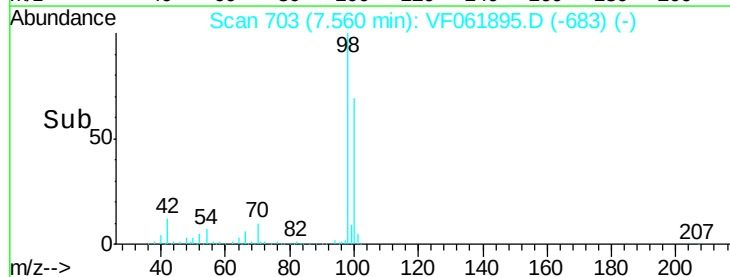
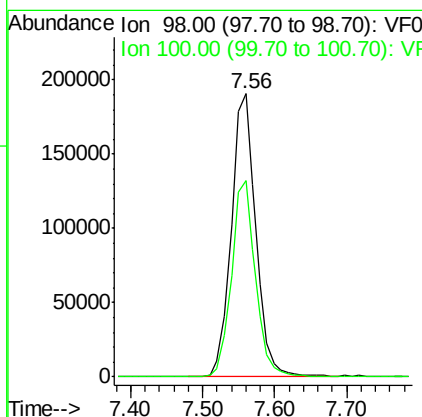
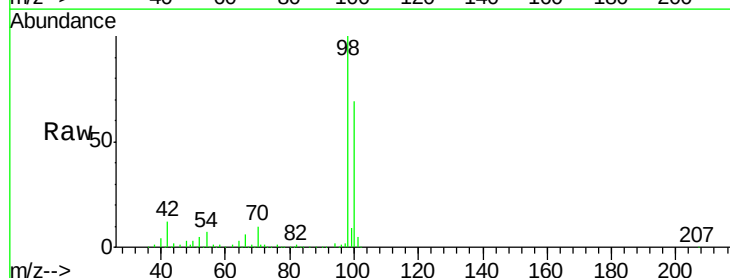
RT: 7.56 min Scan# 703

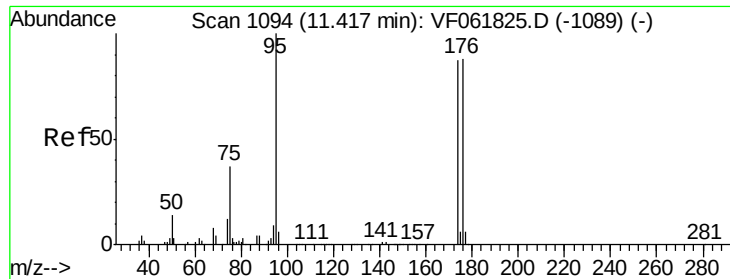
Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Tgt Ion:	98	Resp:	452531
Ion Ratio	Lower	Upper	
98	100		
100	69.4	56.0	84.0





#62

4-Bromofluorobenzene

Concen: 76.637 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

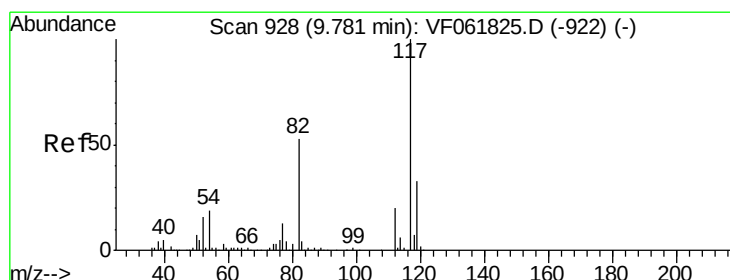
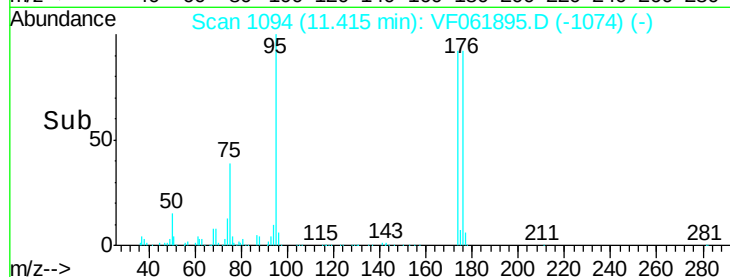
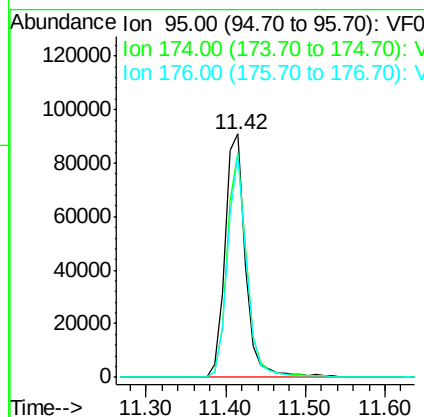
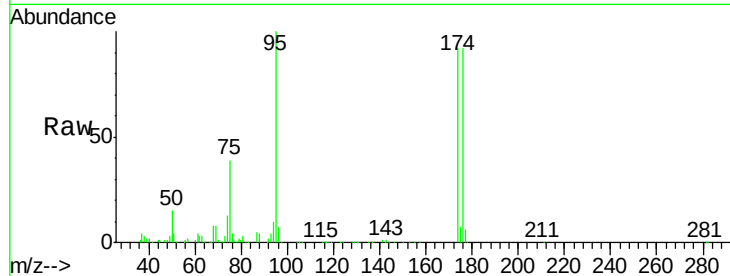
ClientSampleId :

P-2

Tot Ion:	95	Resp:	166524
Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	174.0
176	91.8	0.0	175.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 4:37:00 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

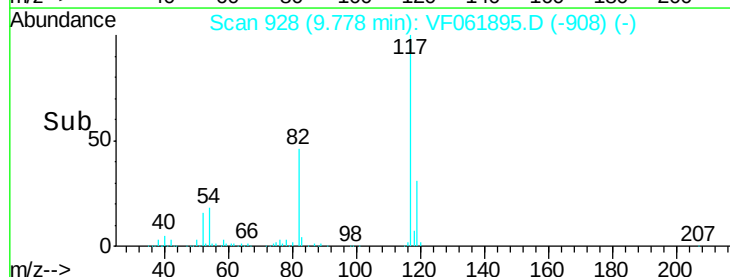
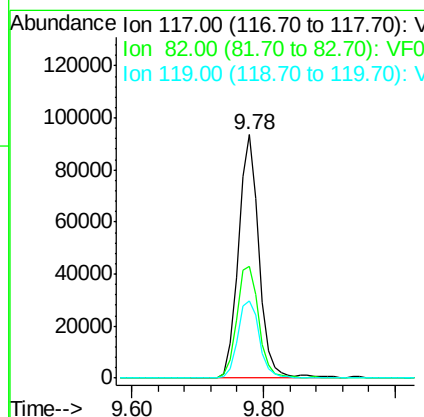
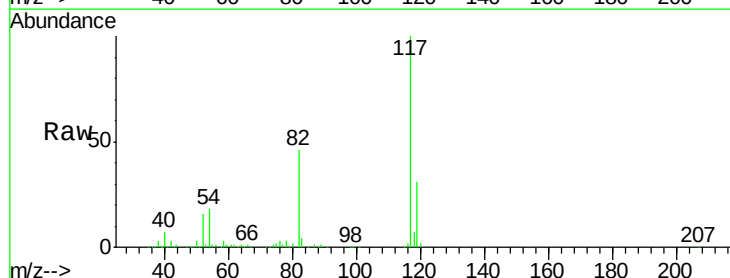
RT: 9.78 min Scan# 928

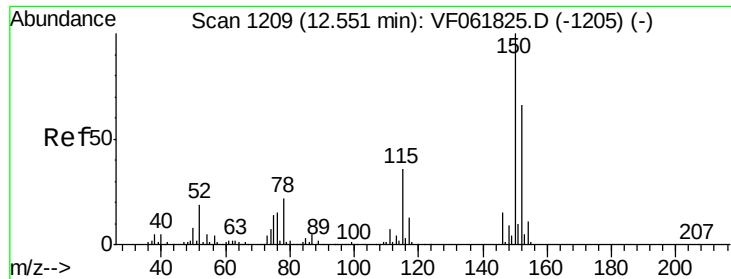
Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Tgt Ion:	117	Resp:	204850
Ion	Ratio	Lower	Upper
117	100		
82	45.9	42.6	63.8
119	31.5	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

P-2

Tot Ion:152 Resp: 98185

Ion Ratio Lower Upper

152 100

115 54.6 27.7 83.1

150 156.8 0.0 304.2

Manual Integrations

APPROVED

MMDadoda

3/12/2019 4:37:00 PM

