

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061474.D
 Acq On : 21 Jan 2019 15:28
 Operator : VA/AP
 Sample : K1009-05RE
 Misc : 6.76g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-011819-CRE

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:31 PM

Quant Time: Jan 22 06:56:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	195120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	357511	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	287151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	126239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	136387	56.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.24%	
35) Dibromofluoromethane	4.11	113	170187	60.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.66%	
50) Toluene-d8	7.55	98	364608	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
62) 4-Bromofluorobenzene	11.41	95	153996	42.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.28%	
Target Compounds						
					Qvalue	
16) Acetone	2.23	43	38723	80.126	ug/l	100
20) Methylene Chloride	2.18	84	24095m	13.401	ug/l	
25) 2-Butanone	4.34	43	10242	12.744	ug/l	94
39) Methylcyclohexane	5.45	83	9240	2.057	ug/l #	81
40) Benzene	4.63	78	22920	2.485	ug/l	97
52) Toluene	7.62	92	21466	3.534	ug/l	89
68) m/p-Xylenes	10.13	106	11959	3.117	ug/l	93
69) o-Xylene	10.72	106	6932	1.667	ug/l	78
95) Naphthalene	14.46	128	16722	3.097	ug/l #	95

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

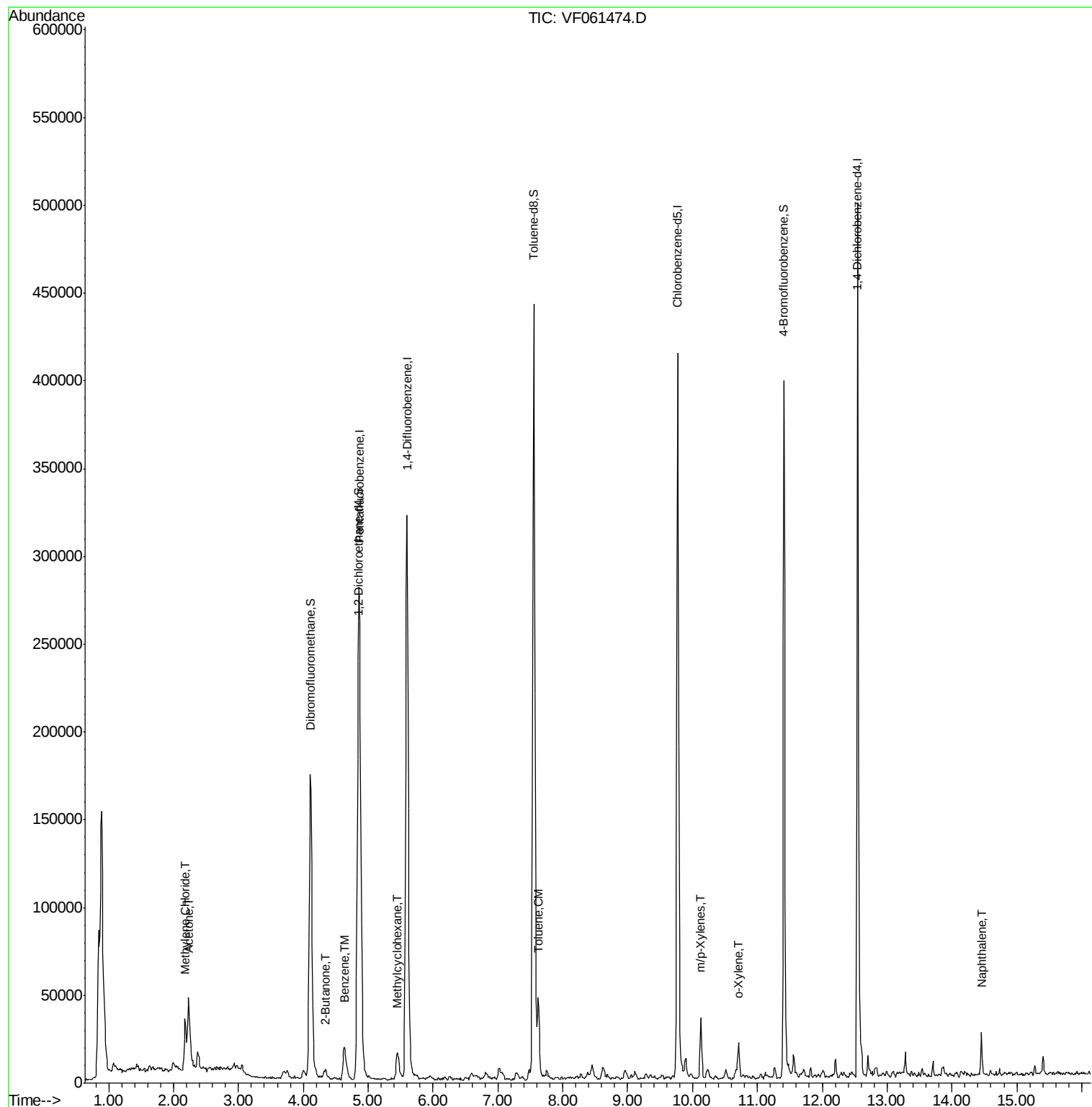
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
Data File : VF061474.D
Acq On : 21 Jan 2019 15:28
Operator : VA/AP
Sample : K1009-05RE
Misc : 6.76g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

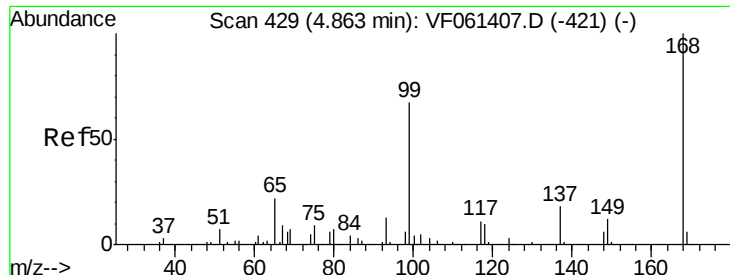
Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:31 PM

Quant Time: Jan 22 06:56:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061474.D

Acq: 21 Jan 2019 15:28

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-CRE

Tot Ion:168 Resp: 195120

Ion Ratio Lower Upper

168 100

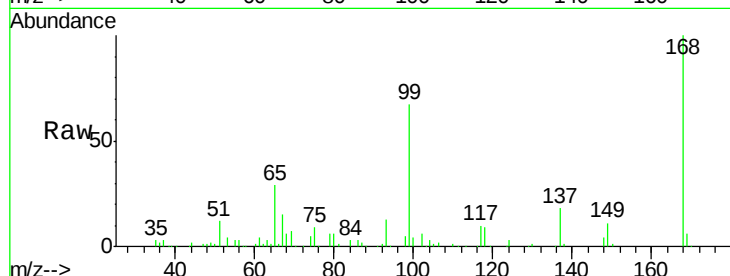
99 66.9 53.5 80.3

Manual Integrations

APPROVED

MMDadoda

1/22/2019 2:50:31 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

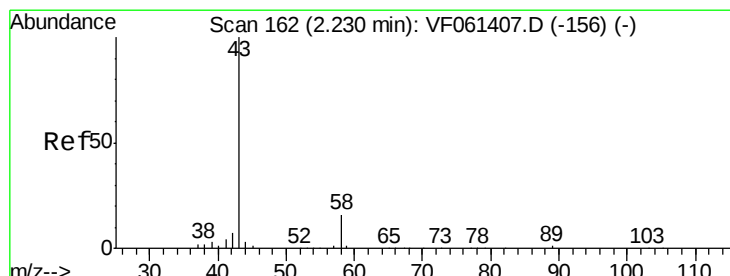
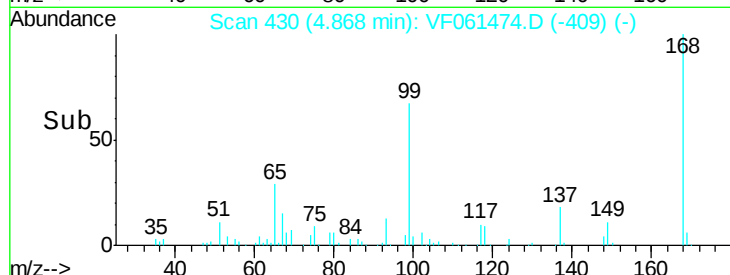
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 80.126 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061474.D

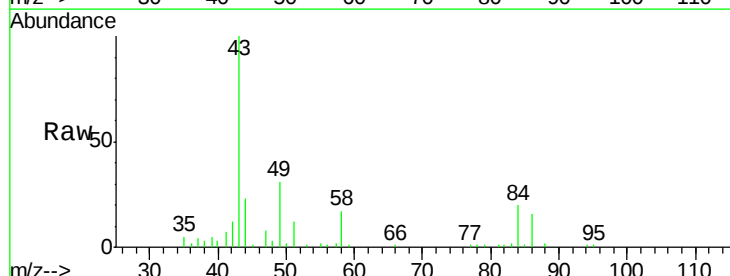
Acq: 21 Jan 2019 15:28

Tgt Ion: 43 Resp: 38723

Ion Ratio Lower Upper

43 100

58 16.7 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

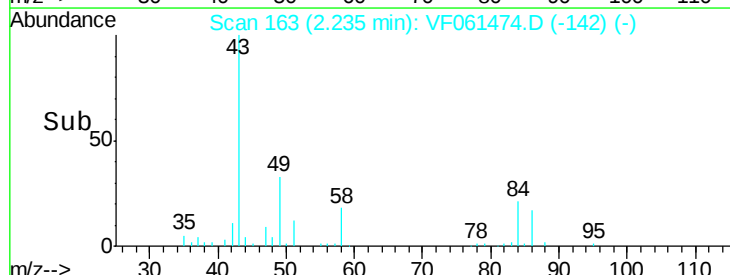
15000

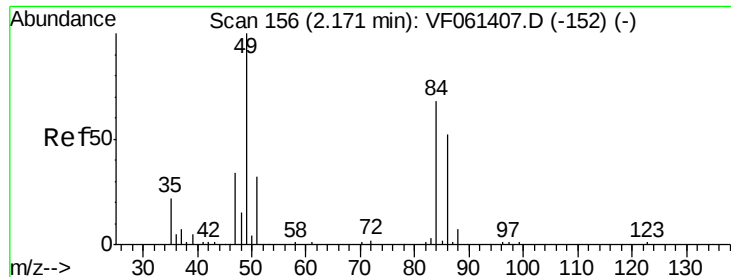
10000

5000

0

Time--> 2.10 2.20 2.30





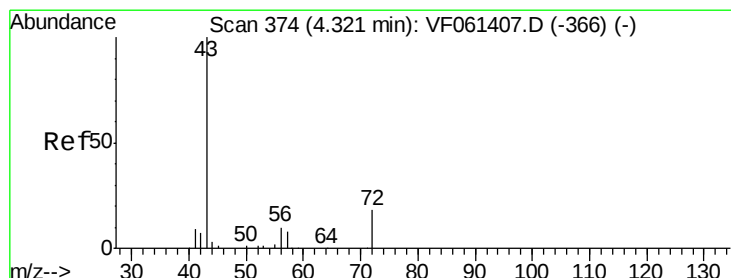
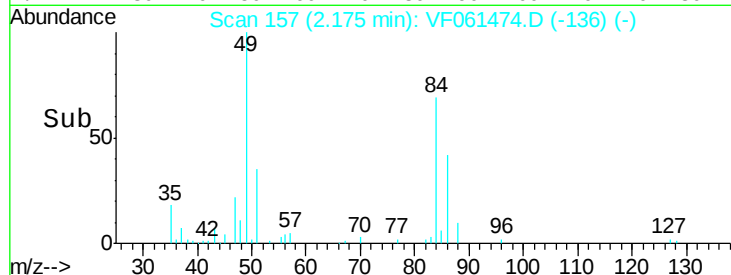
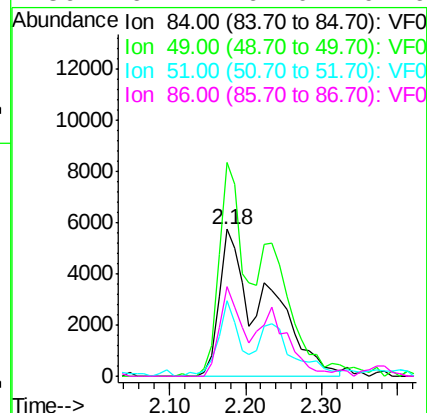
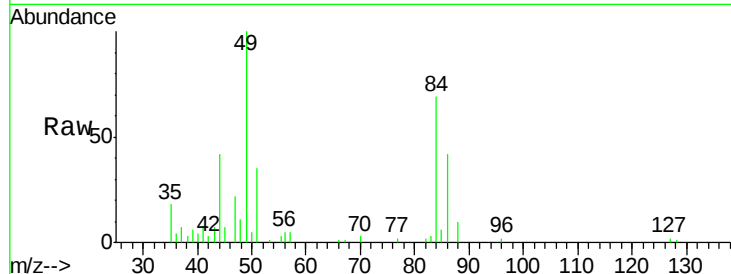
#20
Methvlene Chloride
Concen: 13.401 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Tot Ion	Ratio	Lower	Upper
84	100		
49	145.3	120.0	180.0
51	51.3	38.6	58.0
86	61.1	61.0	91.6

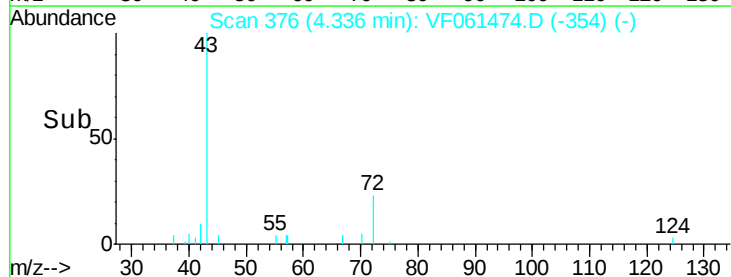
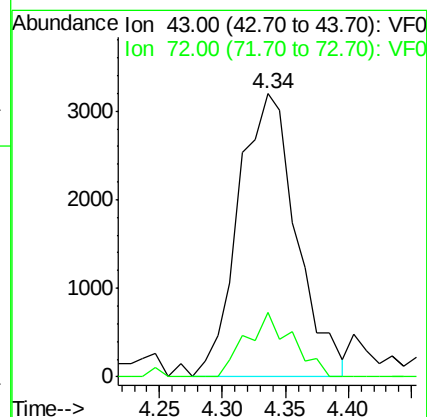
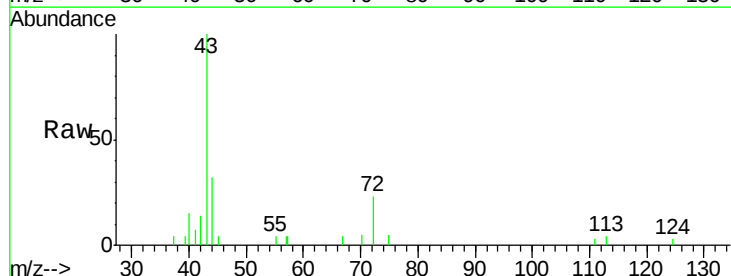
Manual Integrations
APPROVED

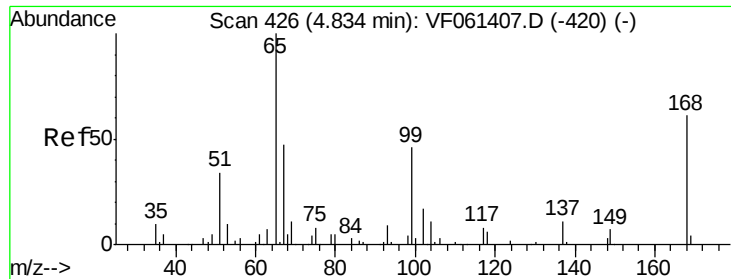
MMDadoda
1/22/2019 2:50:31 PM



#25
2-Butanone
Concen: 12.744 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	15.8	23.6





#33

1,2-Dichloroethane-d4

Concen: 56.615 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.00 min

Lab File: VF061474.D

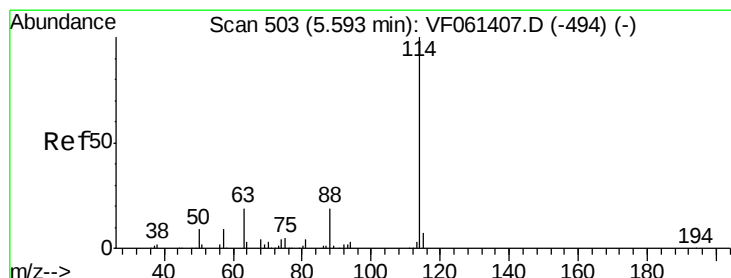
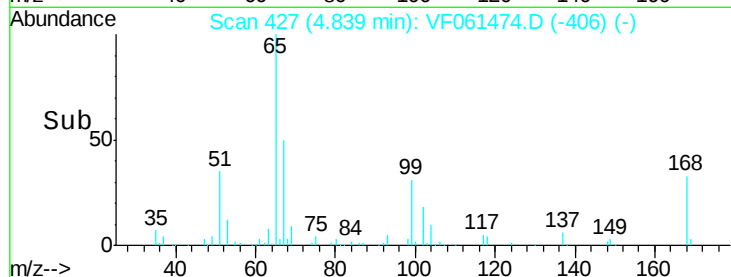
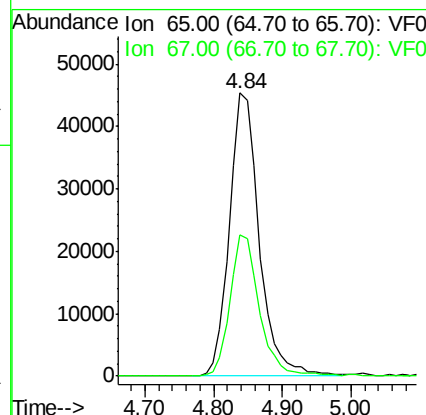
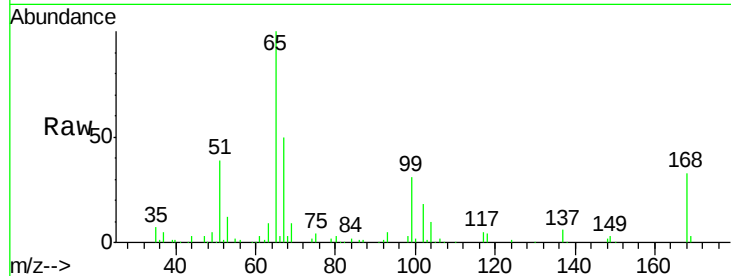
Acq: 21 Jan 2019 15:28

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136387		
67	50.0	0.0	99.8	

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:31 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

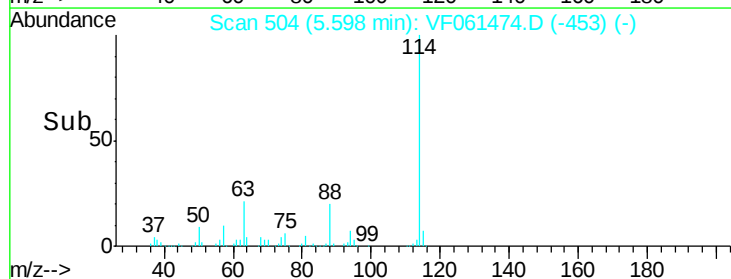
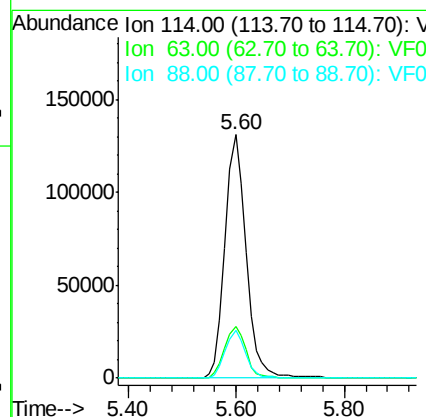
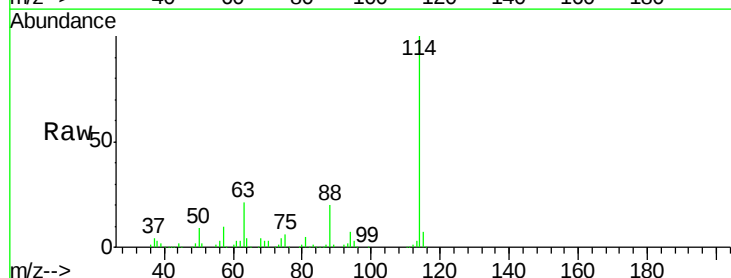
RT: 5.60 min Scan# 504

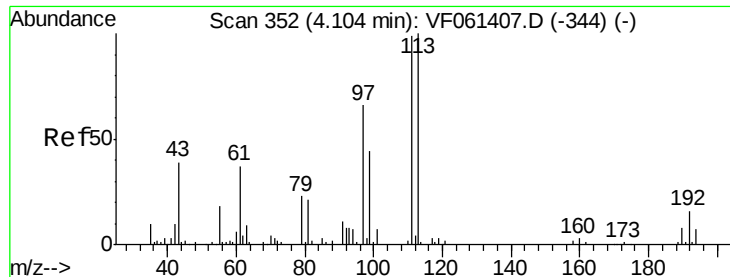
Delta R.T. 0.00 min

Lab File: VF061474.D

Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357511		
63	21.1	0.0	39.0	
88	19.6	0.0	37.4	





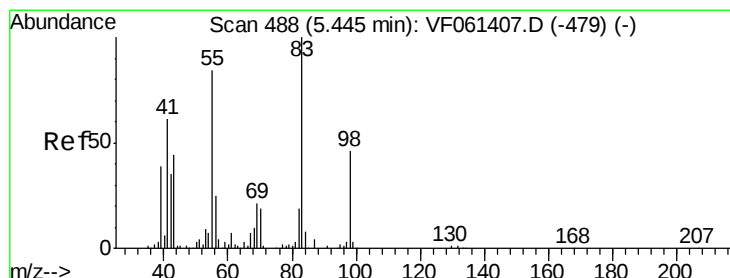
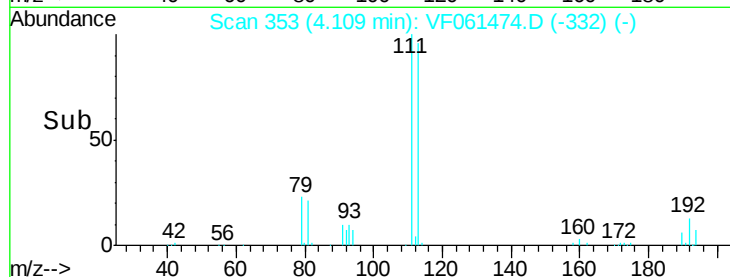
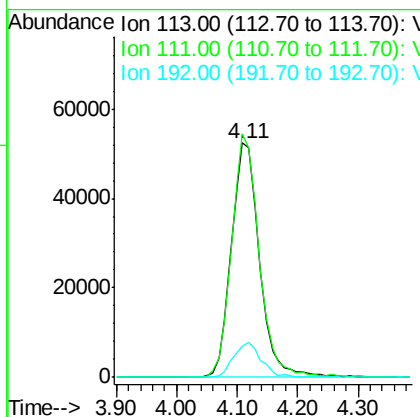
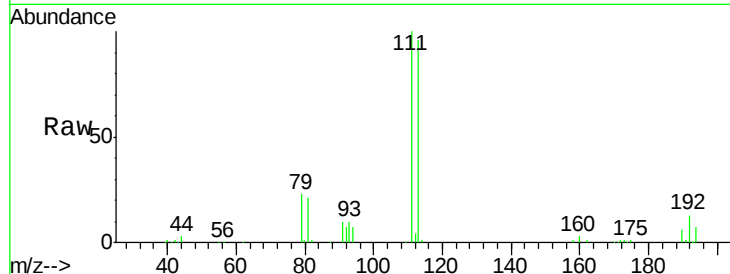
#35
 Dibromofluoromethane
 Concen: 60.327 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061474.D
 Acq: 21 Jan 2019 15:28

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-011819-CRE

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170187		
111	103.8	79.4	119.0	
192	13.3	12.4	18.6	

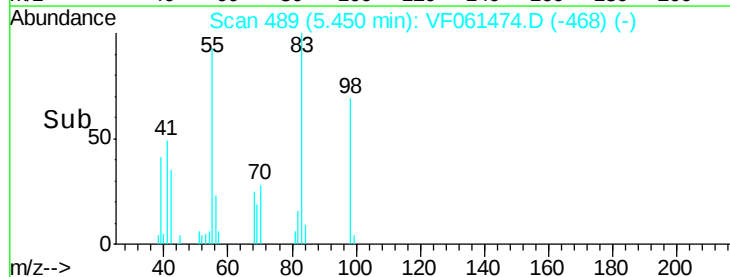
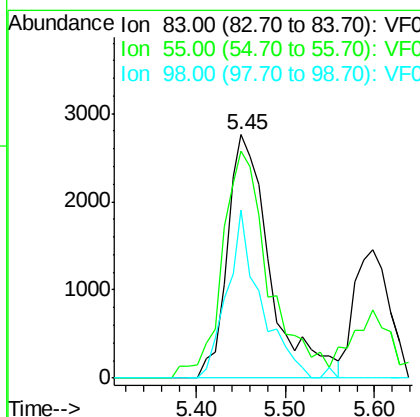
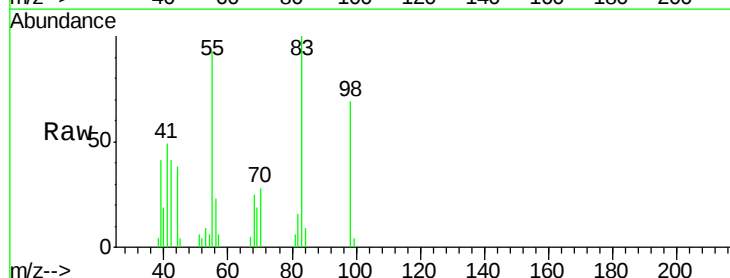
Manual Integrations
 APPROVED

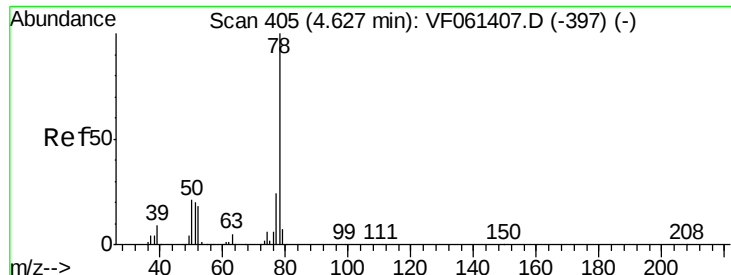
MMDadoda
 1/22/2019 2:50:31 PM



#39
 Methylcyclohexane
 Concen: 2.057 ug/l
 RT: 5.45 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VF061474.D
 Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9240		
55	93.4	67.4	101.2	
98	68.9	36.7	55.1#	





#40

Benzene

Concen: 2.485 ug/l

RT: 4.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF061474.D

Acq: 21 Jan 2019 15:28

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-CRE

Tot Ion: 78 Resp: 22920

Ion Ratio Lower Upper

78 100

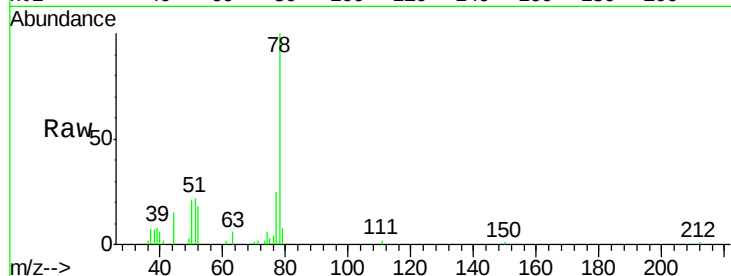
77 25.2 19.0 28.6

Manual Integrations

APPROVED

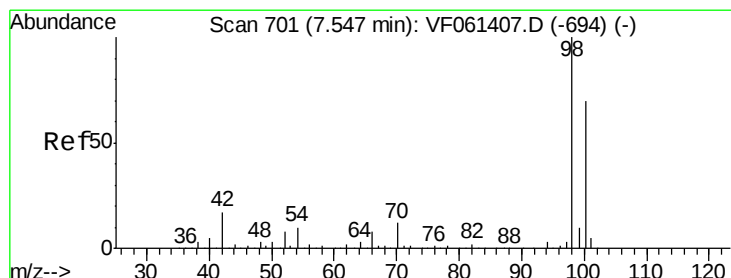
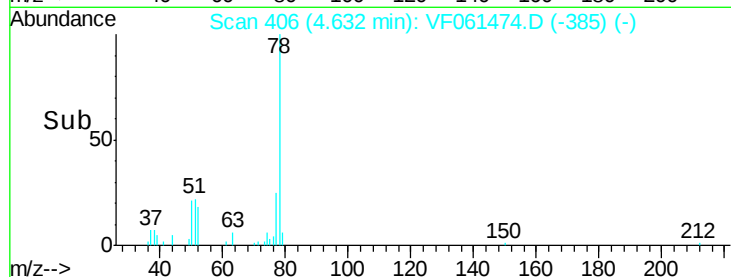
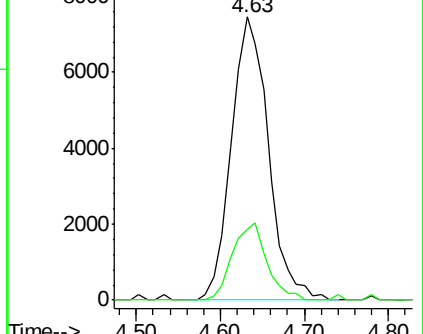
MMDadoda

1/22/2019 2:50:31 PM



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#50

Toluene-d8

Concen: 47.173 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF061474.D

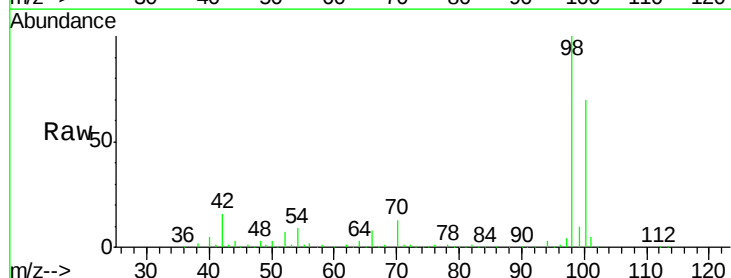
Acq: 21 Jan 2019 15:28

Tgt Ion: 98 Resp: 364608

Ion Ratio Lower Upper

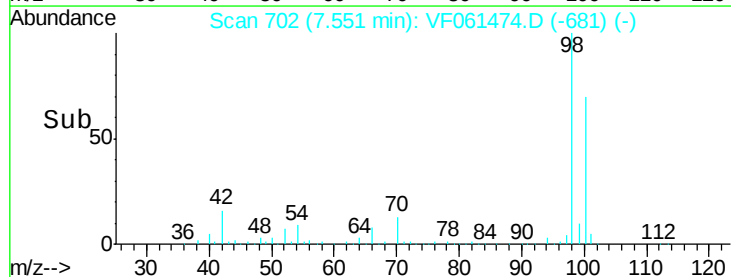
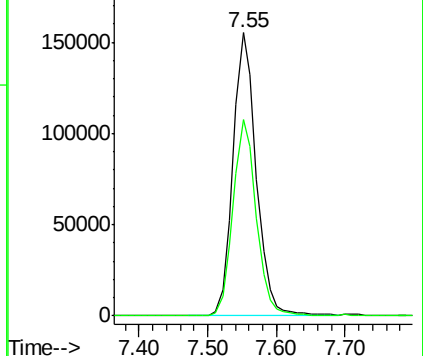
98 100

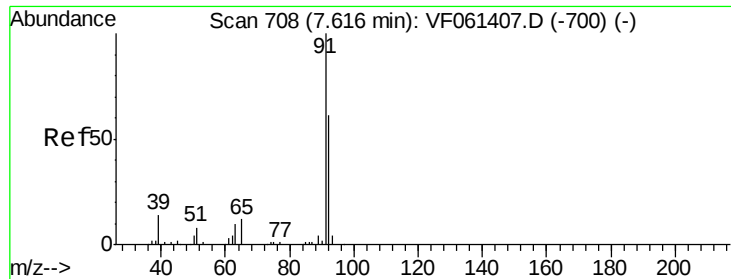
100 69.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 3.534 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061474.D

Acq: 21 Jan 2019 15:28

Instrument :

MSVOA_F

ClientSampleId :

CL-01-011819-CRE

Tot Ion: 92 Resp: 21466

Ion Ratio Lower Upper

92 100

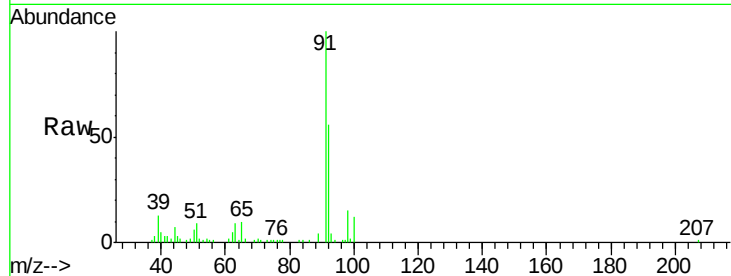
91 178.7 131.2 196.8

Manual Integrations

APPROVED

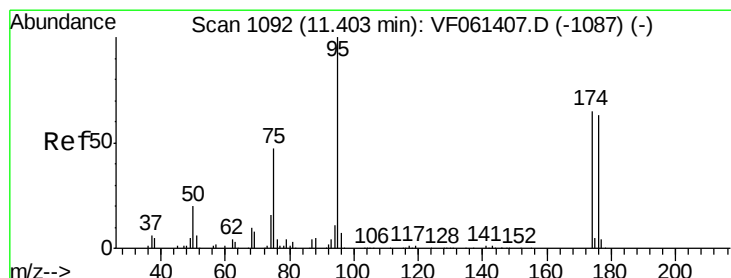
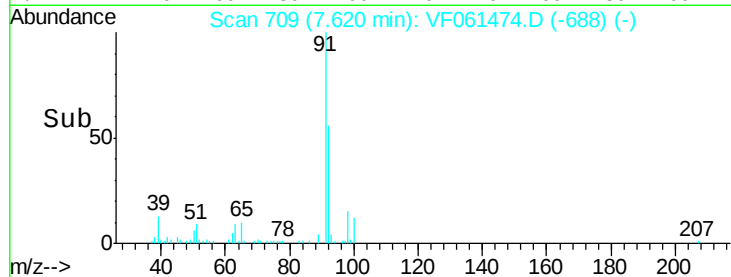
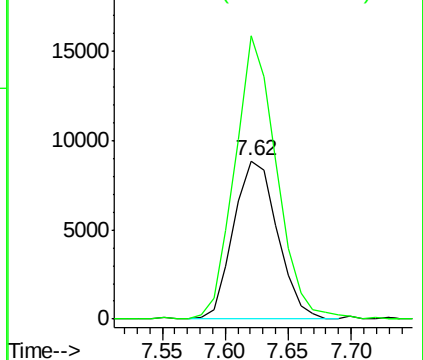
MMDadoda

1/22/2019 2:50:31 PM



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 42.643 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061474.D

Acq: 21 Jan 2019 15:28

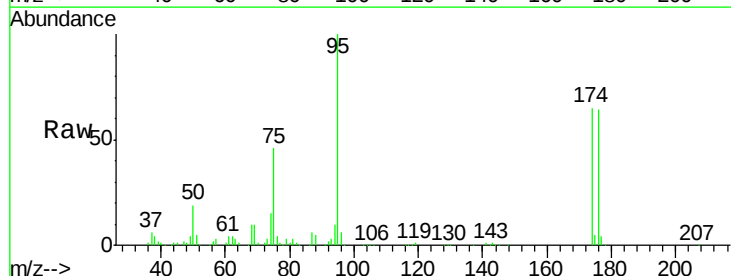
Tgt Ion: 95 Resp: 153996

Ion Ratio Lower Upper

95 100

174 64.5 0.0 130.4

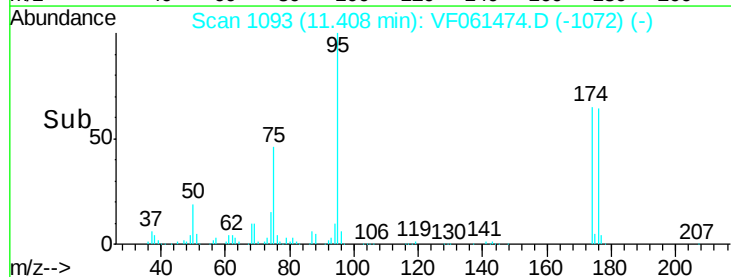
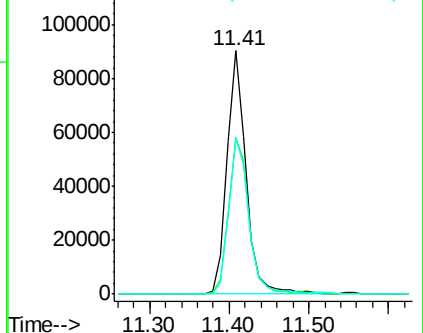
176 63.7 0.0 126.2

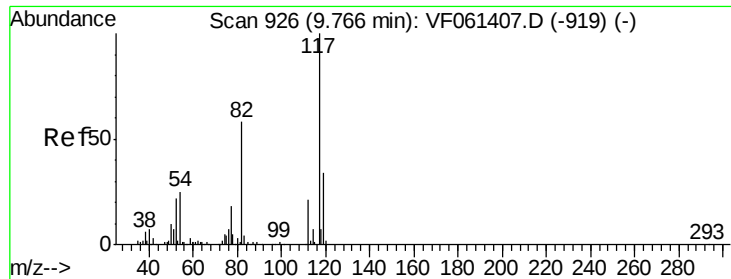


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





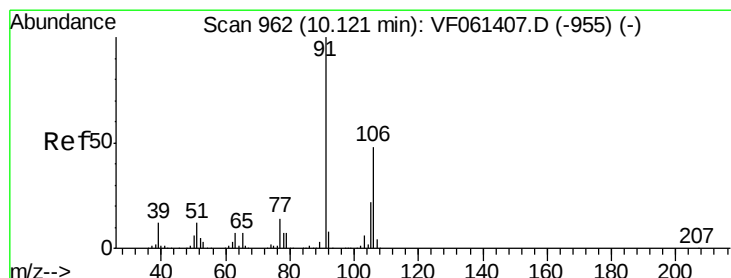
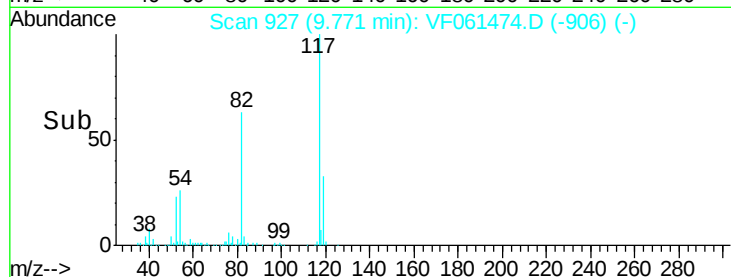
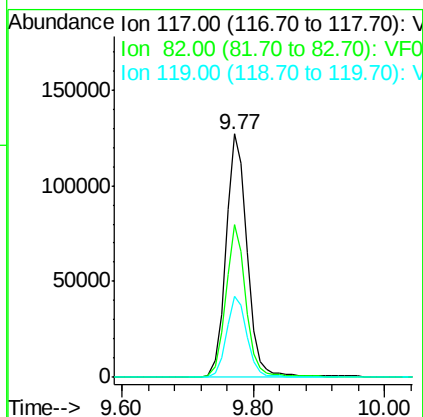
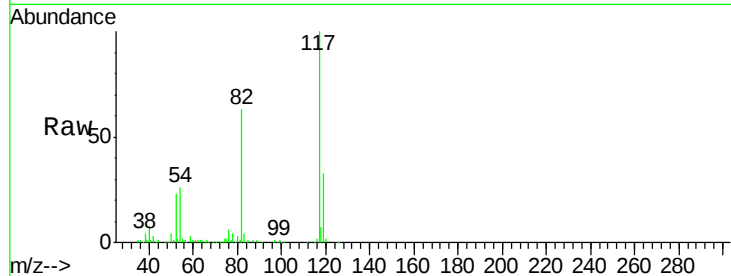
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287151		
82	62.6	46.4	69.6	
119	33.5	27.2	40.8	

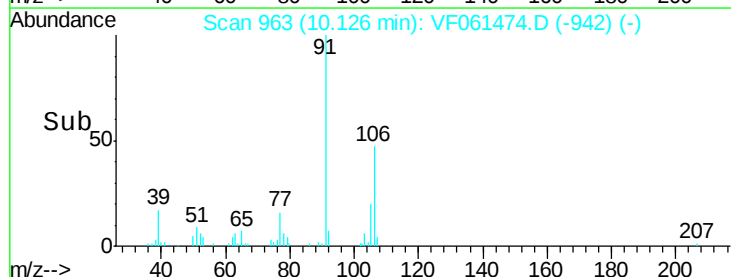
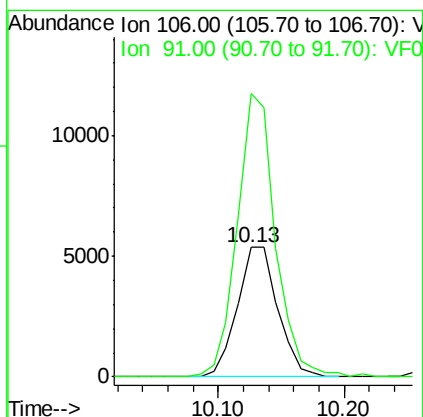
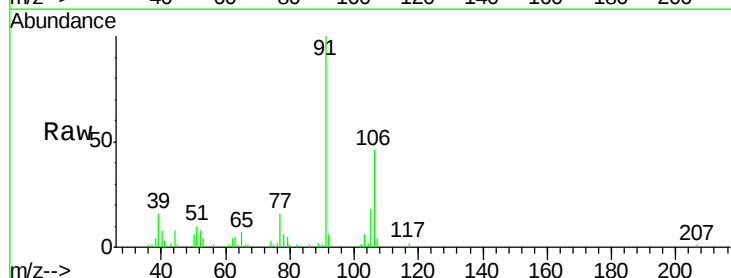
Manual Integrations
APPROVED

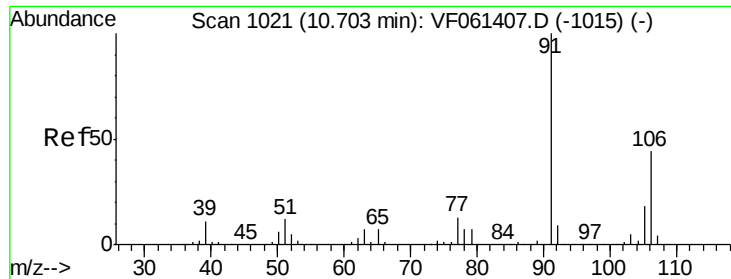
MMDadoda
1/22/2019 2:50:31 PM



#68
m/p-Xylenes
Concen: 3.117 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	11959		
91	218.6	166.2	249.4	





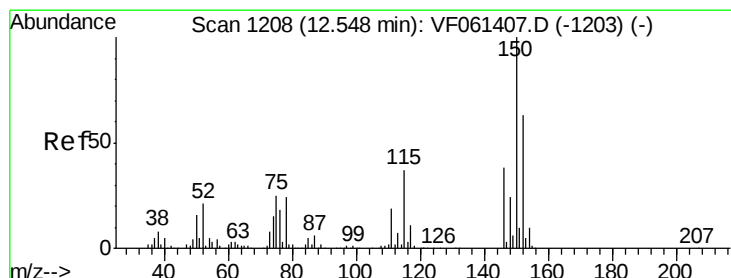
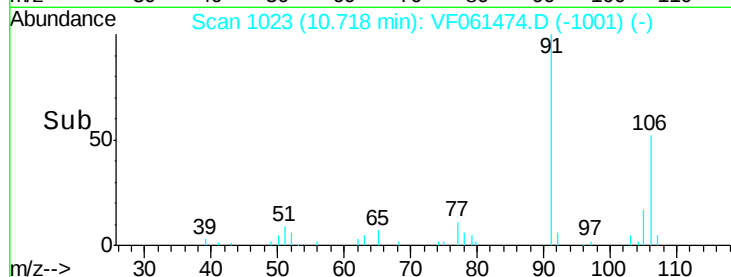
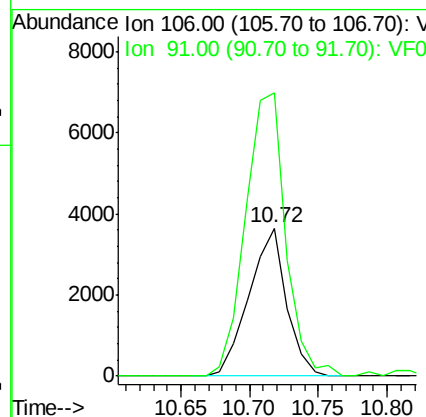
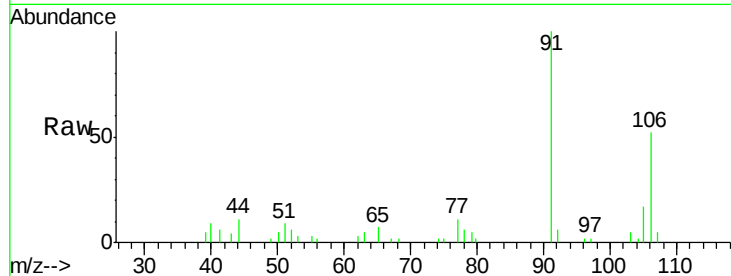
#69
o-Xylene
Concen: 1.667 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Tot Ion:106 Resp: 6932
Ion Ratio Lower Upper
106 100
91 190.9 113.3 339.8

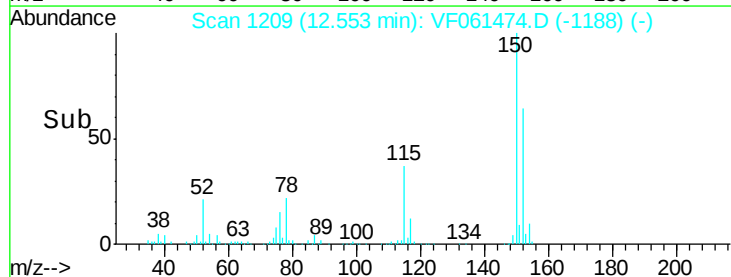
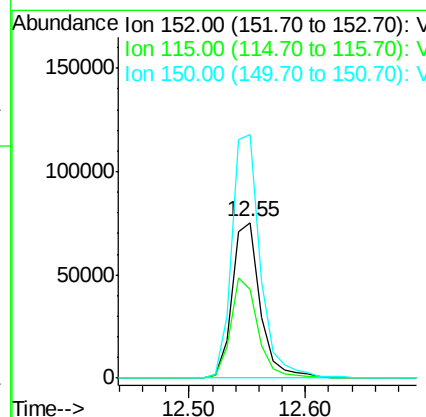
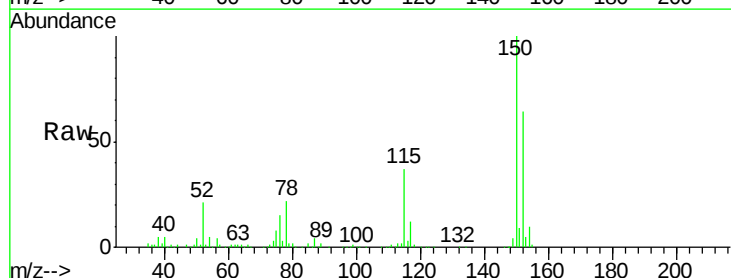
Manual Integrations
APPROVED

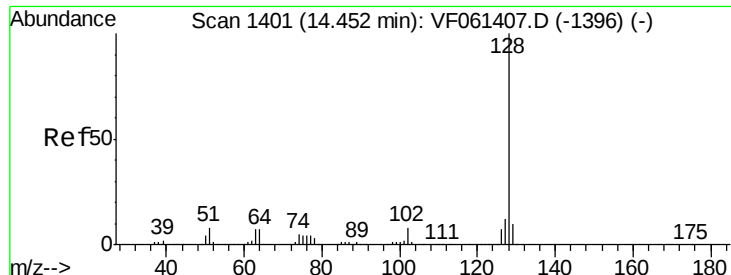
MMDadoda
1/22/2019 2:50:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Tgt Ion:152 Resp: 126239
Ion Ratio Lower Upper
152 100
115 57.3 30.0 90.0
150 156.4 0.0 321.4





#95
Naphthalene
Concen: 3.097 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061474.D
Acq: 21 Jan 2019 15:28

Instrument :
MSVOA_F
ClientSampleId :
CL-01-011819-CRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.3	9.5	14.3#
129	11.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:31 PM

