

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062018.D
 Acq On : 19 Mar 2019 15:14
 Operator : VA/AP
 Sample : K1951-04
 Misc : 5.58g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-03-006-B

Manual Integrations
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 3/20/2019 3:39:26 PM

Quant Time: Mar 20 05:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	262830	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	405768	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	294313	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	104779	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112194	59.30	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.60%	
35) Dibromofluoromethane	4.10	113	159693	58.61	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	117.22%	
50) Toluene-d8	7.53	98	394167	49.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.40	95	136198	43.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	86.08%	
Target Compounds						
16) Acetone	2.24	43	26383	62.100	ug/l	92
20) Methylene Chloride	2.18	84	7713m	3.526	ug/l	
44) Trichloroethene	5.48	130	3074	1.034	ug/l	91
52) Toluene	7.61	92	6929	1.168	ug/l	80
69) o-Xylene	10.70	106	5511	1.460	ug/l	81
80) 1,3,5-Trimethylbenzene	11.81	105	21917	3.748	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	13594	2.321	ug/l	92
95) Naphthalene	14.44	128	11262	2.947	ug/l #	82

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

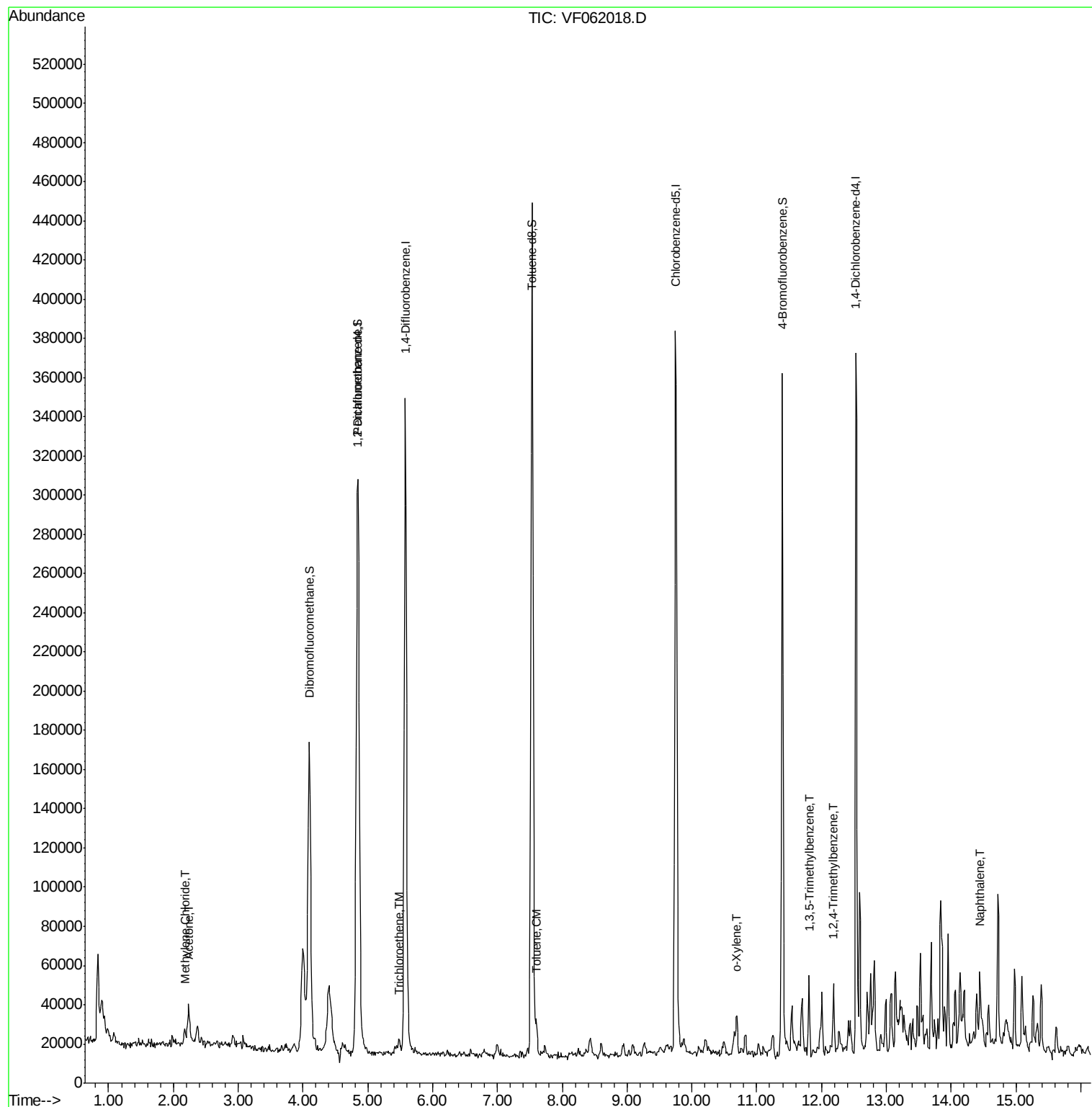
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062018.D
Acq On : 19 Mar 2019 15:14
Operator : VA/AP
Sample : K1951-04
Misc : 5.58g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

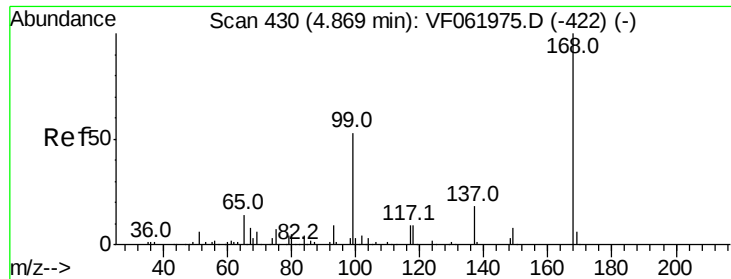
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-03-006-B

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-B

Tot Ion:168 Resp: 262830

Ion Ratio Lower Upper

168 100

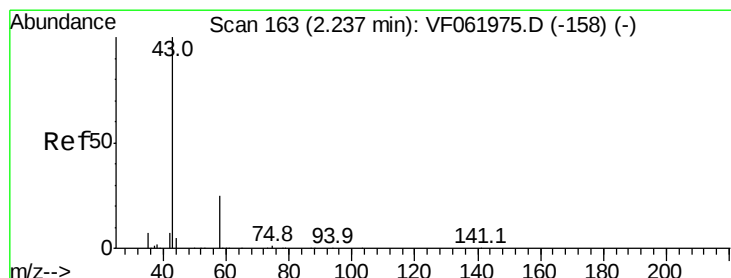
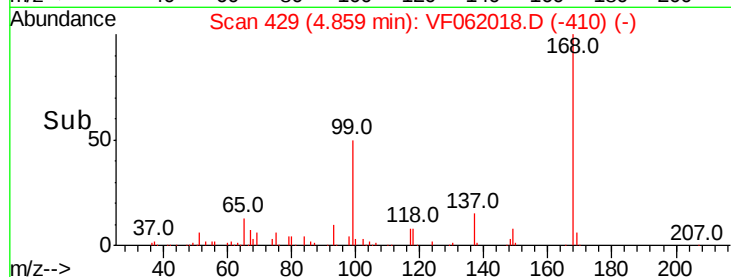
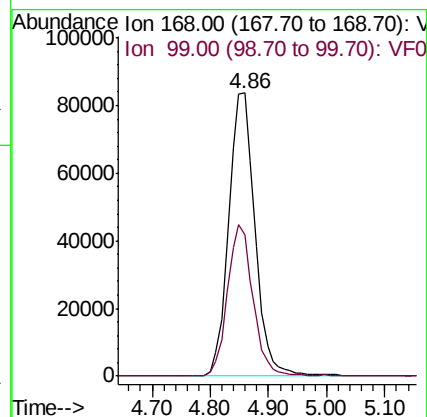
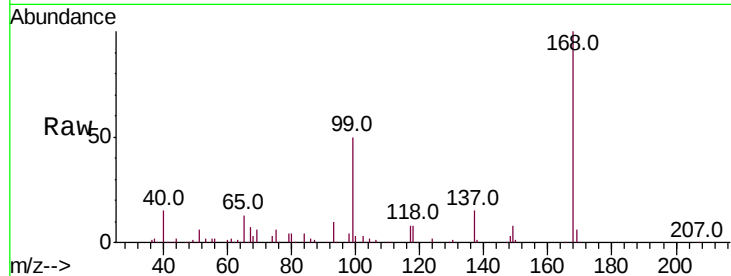
99 49.9 42.4 63.6

Manual Integrations

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#16

Acetone

Concen: 62.100 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF062018.D

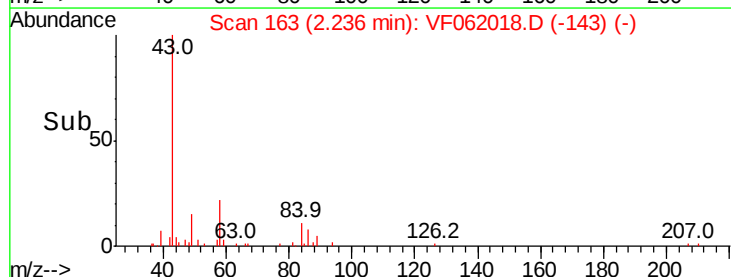
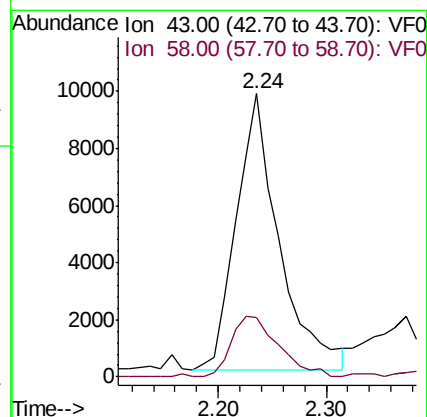
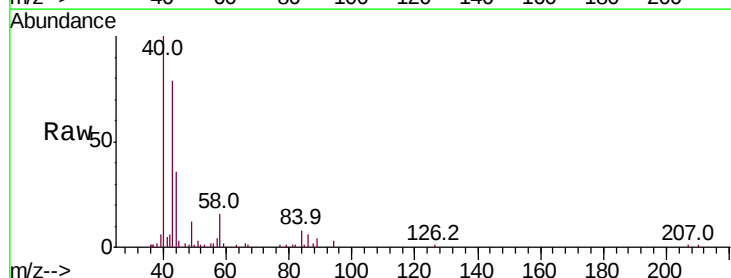
Acq: 19 Mar 2019 15:14

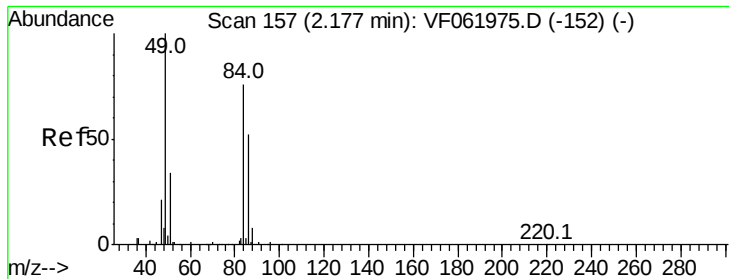
Tgt Ion: 43 Resp: 26383

Ion Ratio Lower Upper

43 100

58 20.8 19.9 29.9





#20

Methvlene Chloride

Concen: 3.526 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-B

Tot Ion: 84 Resp: 7713

Ion Ratio Lower Upper

84 100

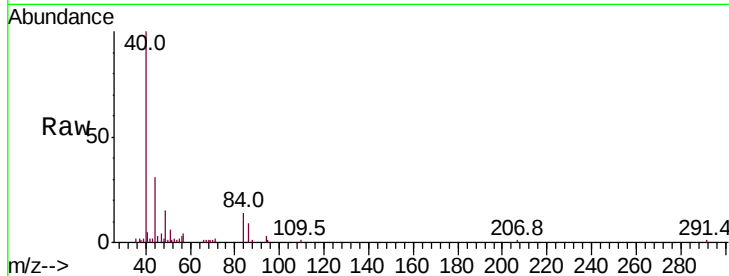
49 104.3 107.0 160.6#

51 44.4 37.2 55.8

86 62.4 55.3 82.9

Manual Integrations
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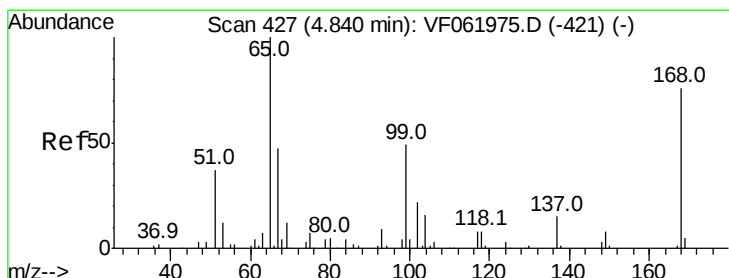
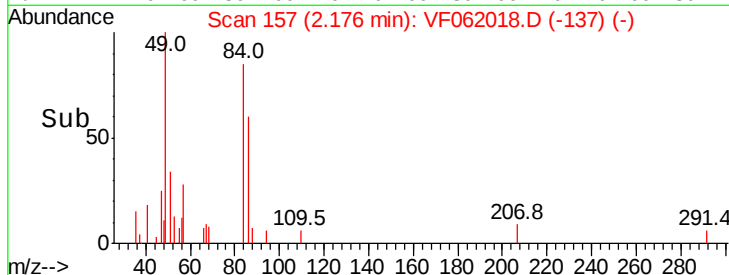
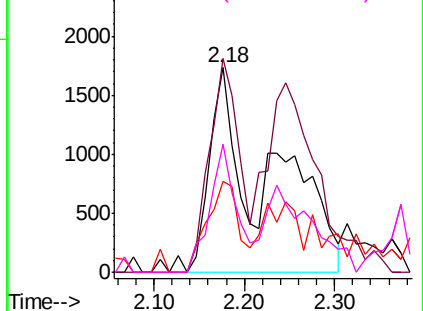


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 59.301 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF062018.D

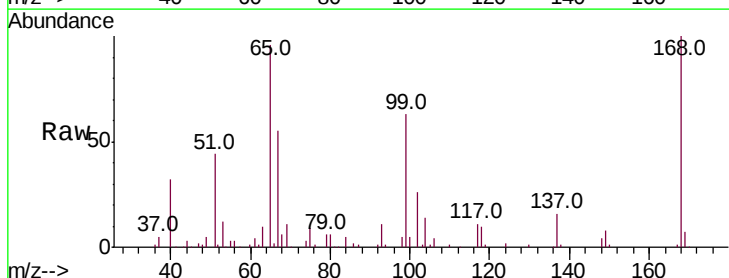
Acq: 19 Mar 2019 15:14

Tgt Ion: 65 Resp: 112194

Ion Ratio Lower Upper

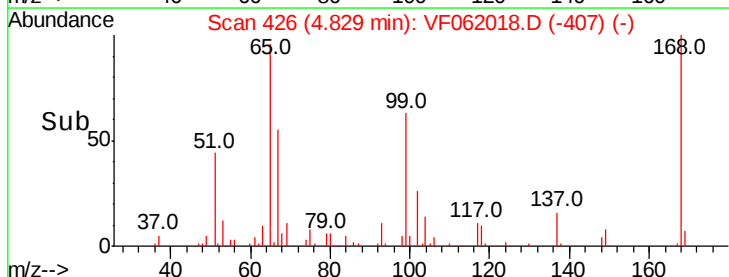
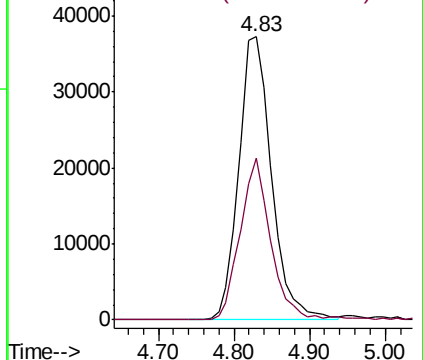
65 100

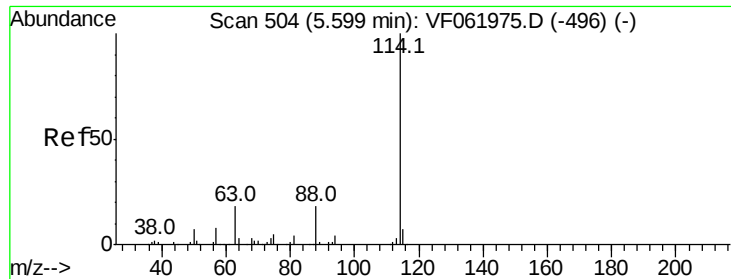
67 57.0 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





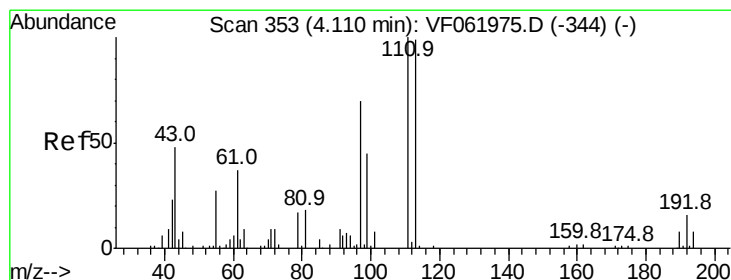
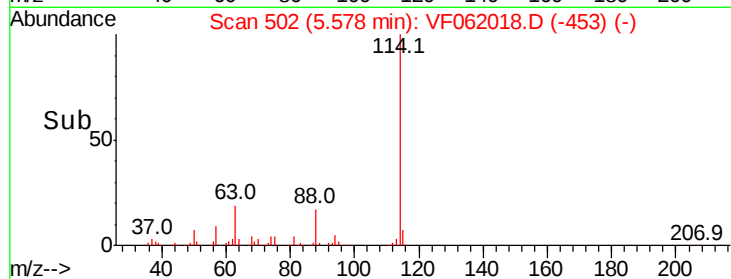
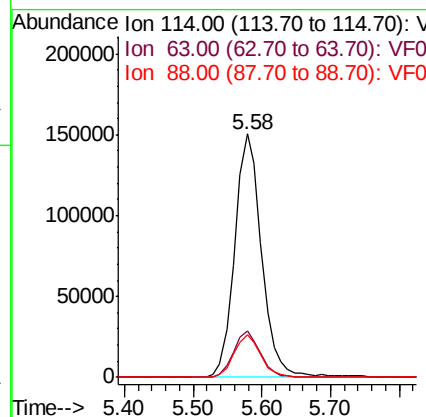
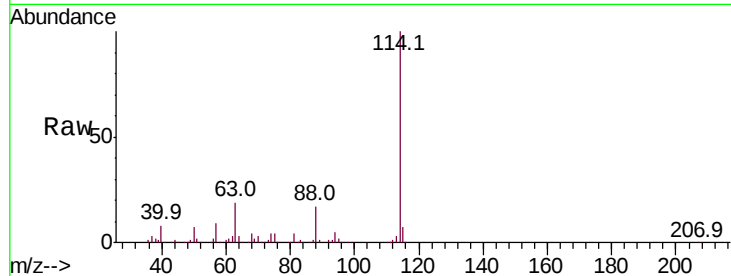
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.02 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-03-006-B

Tot Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	36.4	
88	17.5	0.0	36.4	

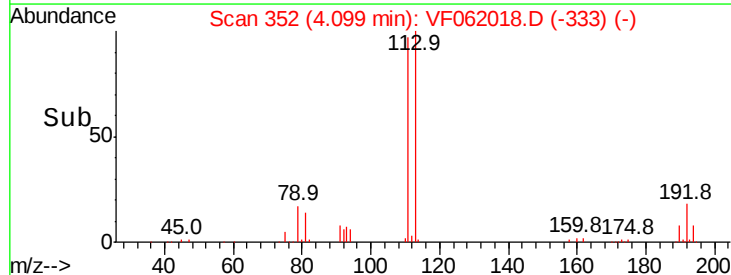
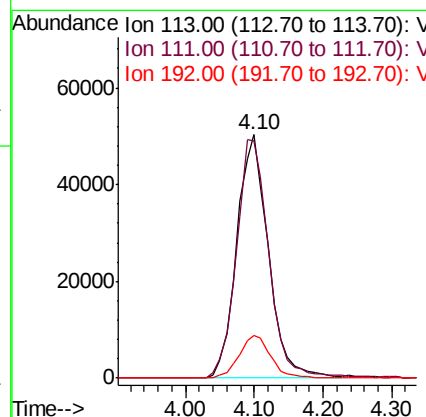
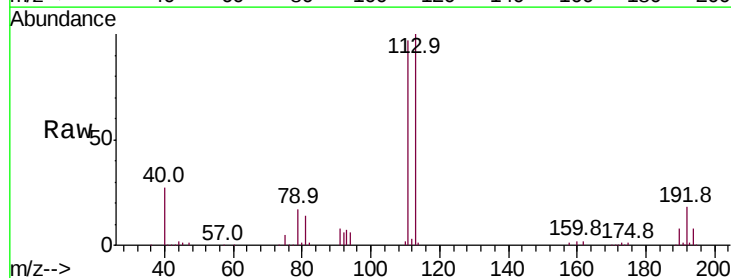
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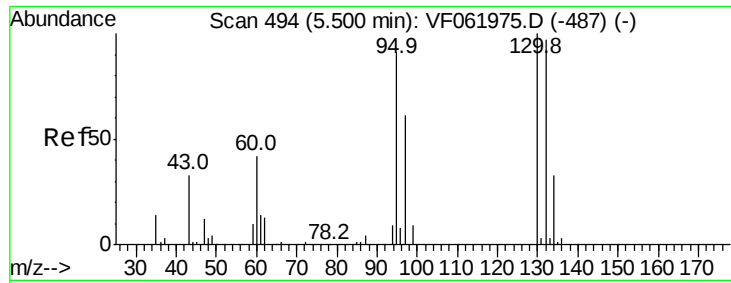
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#35
Dibromofluoromethane
Concen: 58.607 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	97.4	80.8	121.2	
192	17.6	13.0	19.6	





#44

Trichloroethene

Concen: 1.034 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-B

Tot Ion:130 Resp: 3074

Ion Ratio Lower Upper

130 100

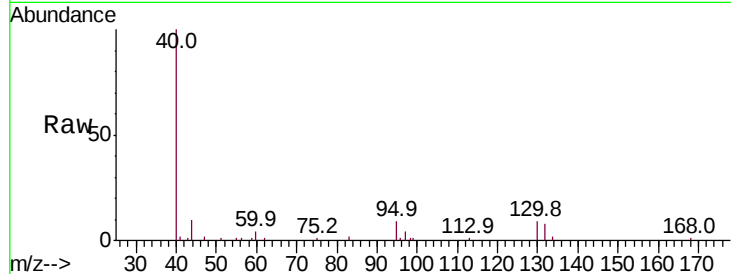
95 98.9 0.0 181.4

Manual Integrations

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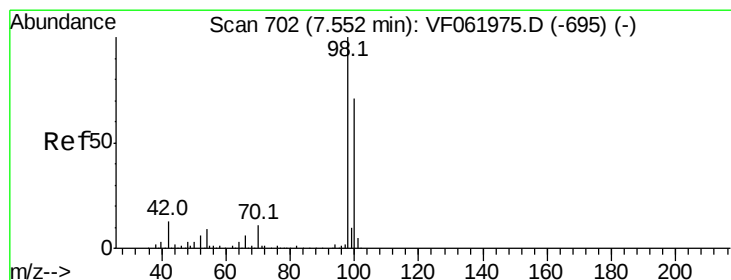
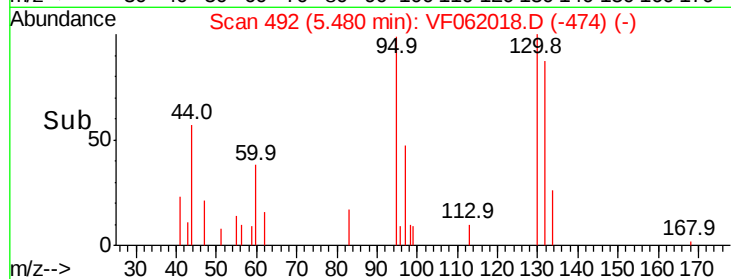
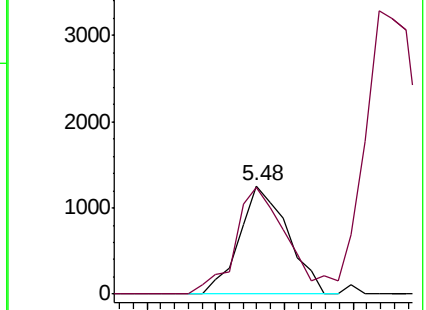
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Abundance Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0



#50

Toluene-d8

Concen: 49.485 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062018.D

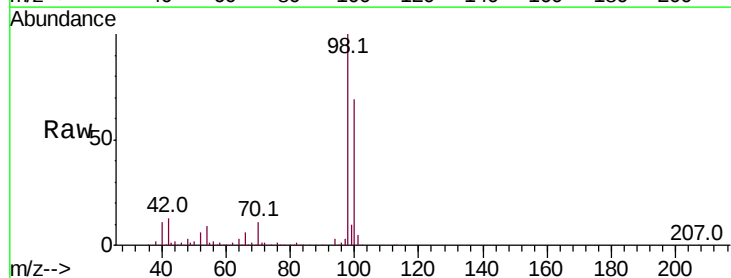
Acq: 19 Mar 2019 15:14

Tgt Ion: 98 Resp: 394167

Ion Ratio Lower Upper

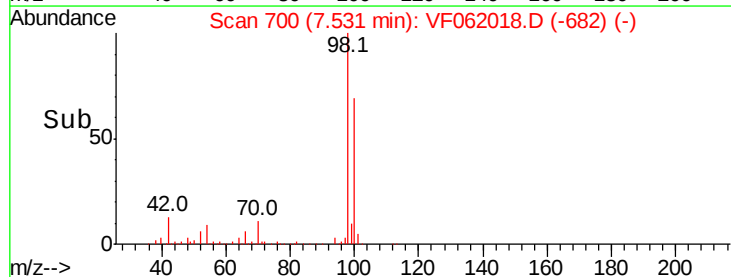
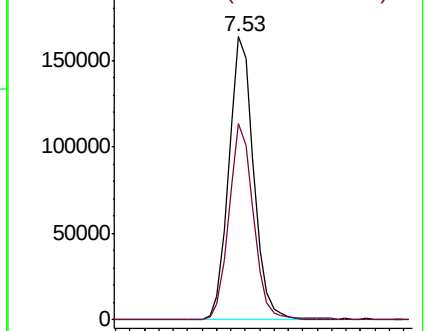
98 100

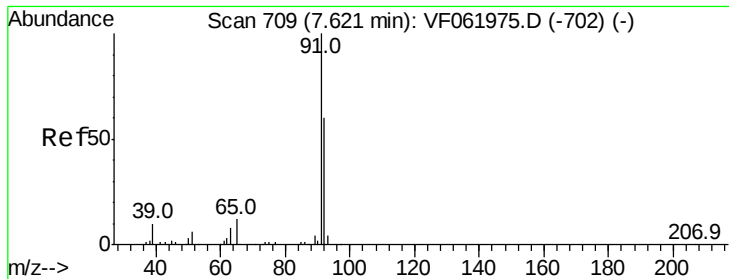
100 69.3 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.168 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-B

Tot Ion: 92 Resp: 6929

Ion Ratio Lower Upper

92 100

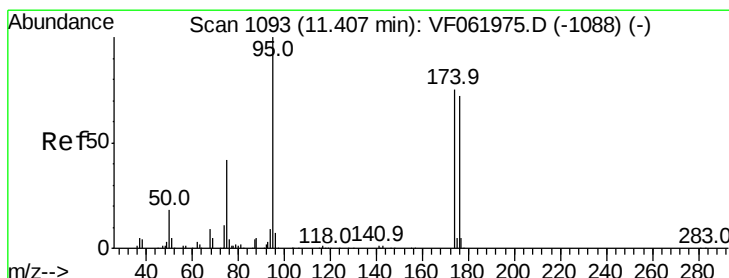
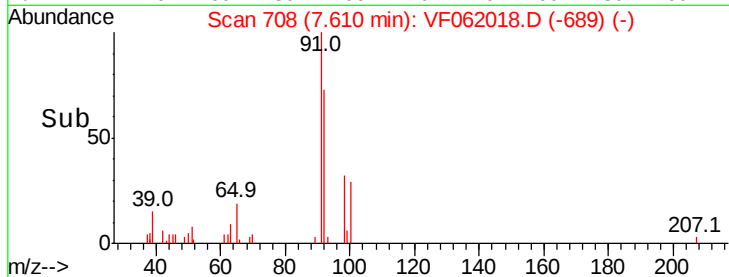
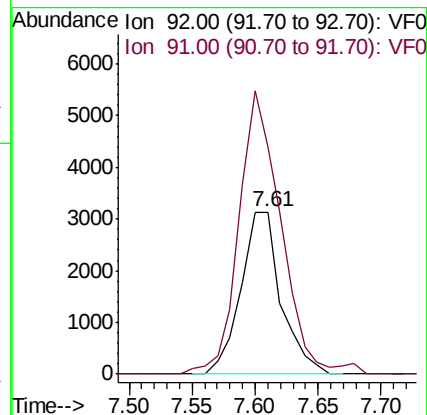
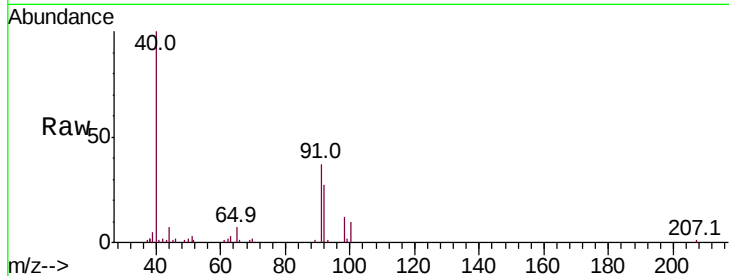
91 140.0 134.0 201.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 43.041 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

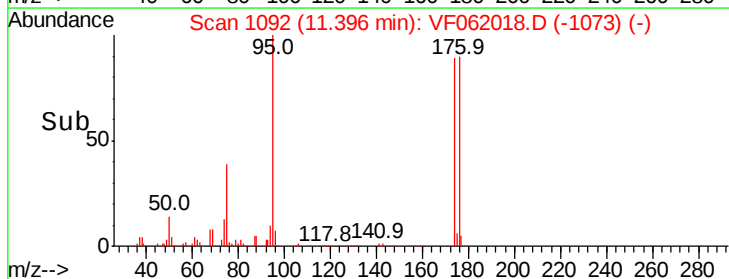
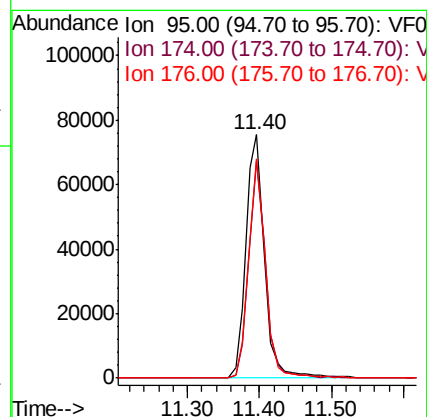
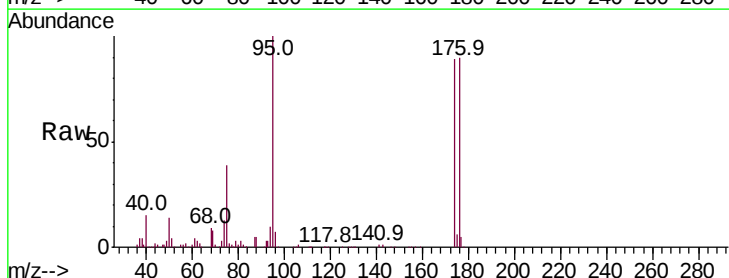
Tgt Ion: 95 Resp: 136198

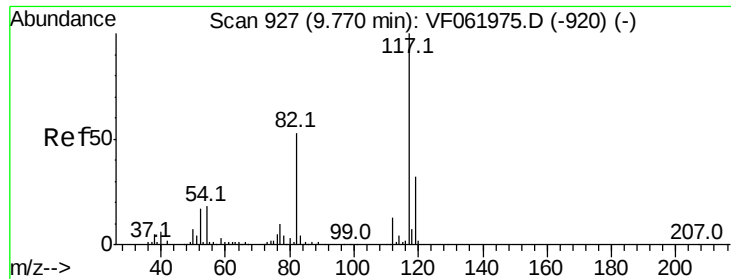
Ion Ratio Lower Upper

95 100

174 89.1 0.0 149.4

176 90.0 0.0 143.4





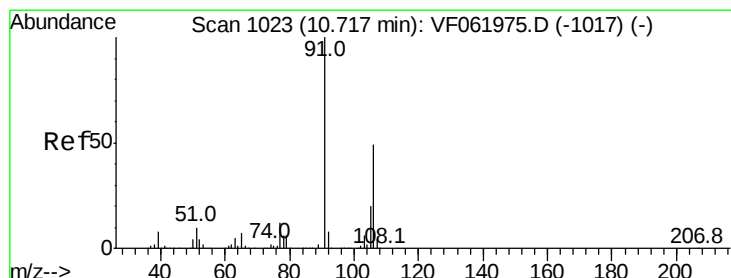
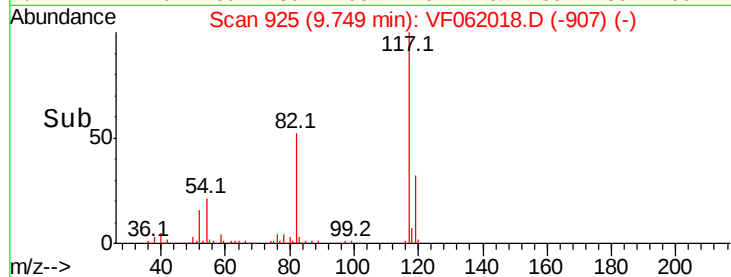
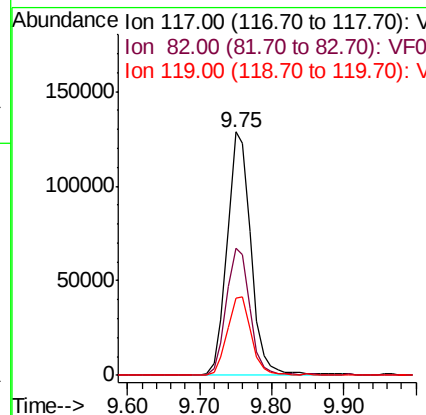
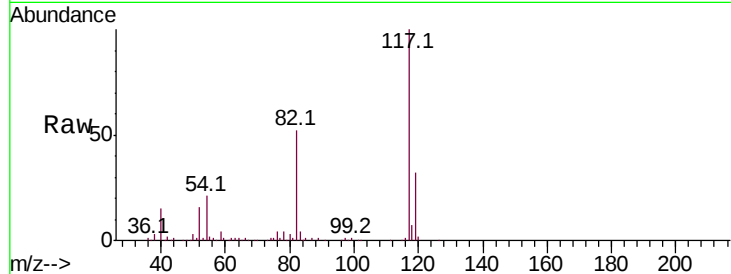
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-03-006-B

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294313		
82	52.5	42.5	63.7	
119	31.6	25.4	38.0	

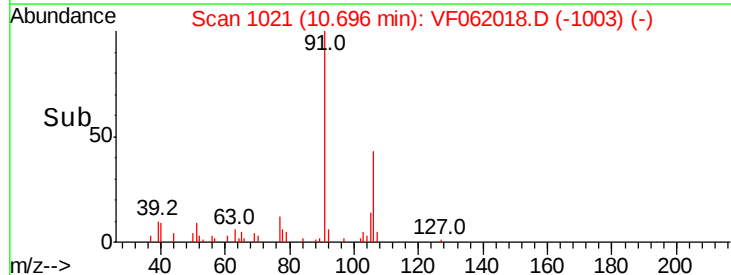
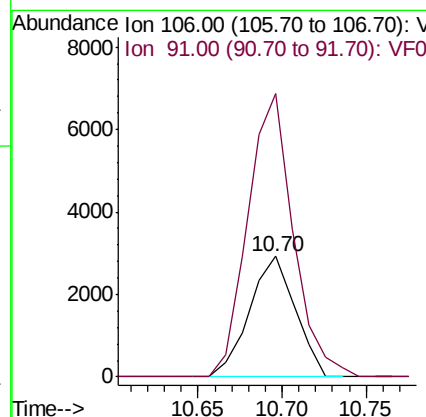
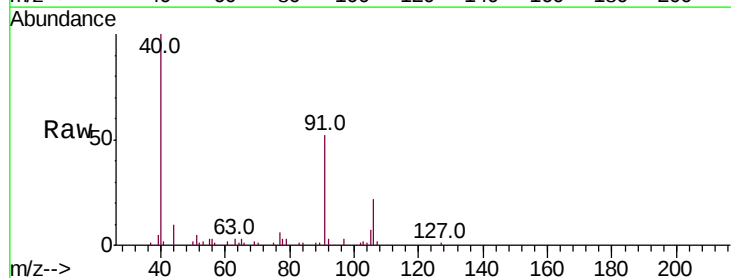
Manual Integrations
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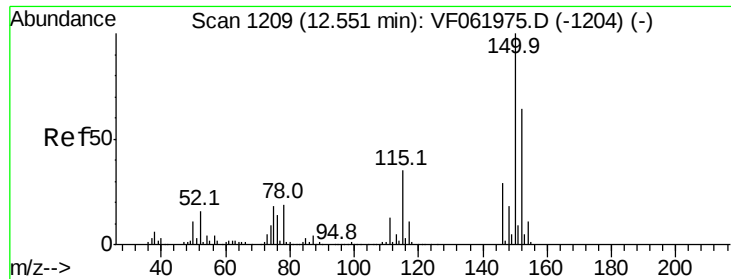
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#69
o-Xylene
Concen: 1.460 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	5511		
91	234.3	102.3	306.8	





#72

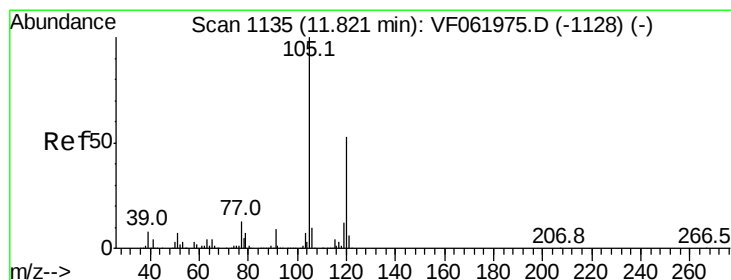
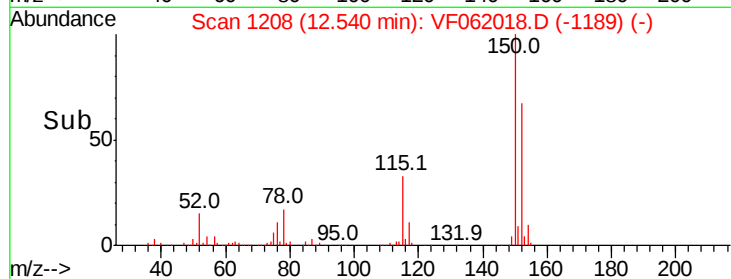
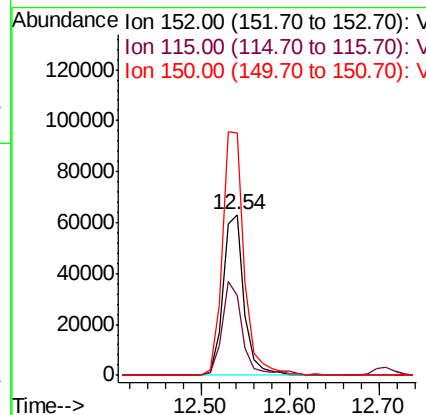
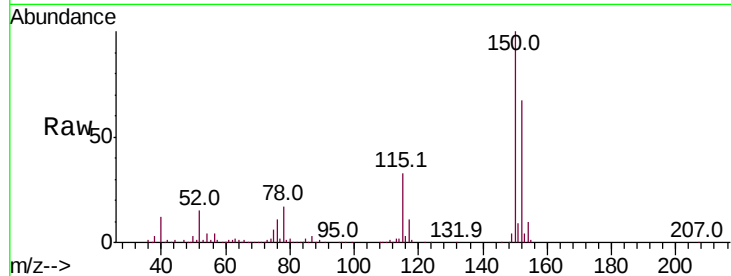
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-03-006-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.6	27.3	81.9
150	150.2	0.0	316.2

Manual Integrations
APPROVED

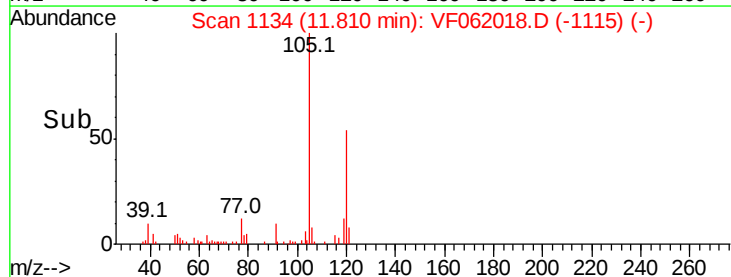
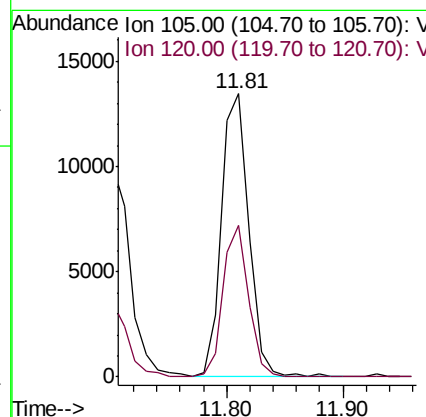
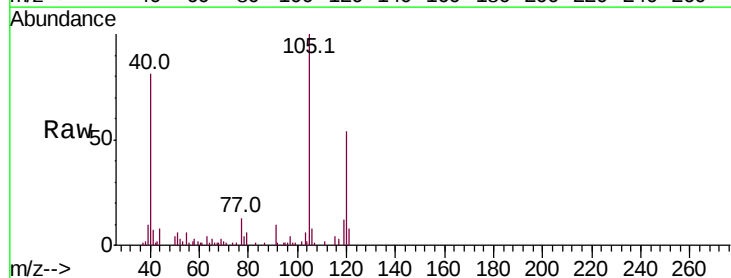
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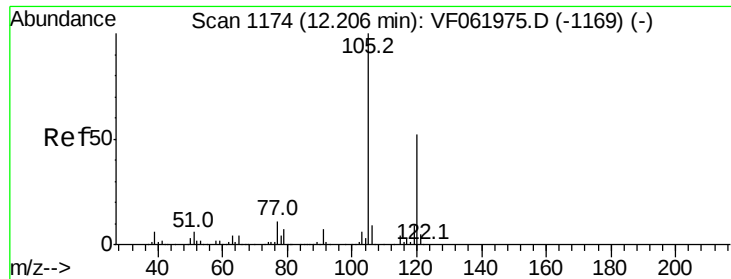


#80

1,3,5-Trimethylbenzene
Concen: 3.748 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VF062018.D
Acq: 19 Mar 2019 15:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.6	26.6	79.7





#84

1,2,4-Trimethylbenzene

Concen: 2.321 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-03-006-B

Tot Ion:105 Resp: 13594

Ion Ratio Lower Upper

105 100

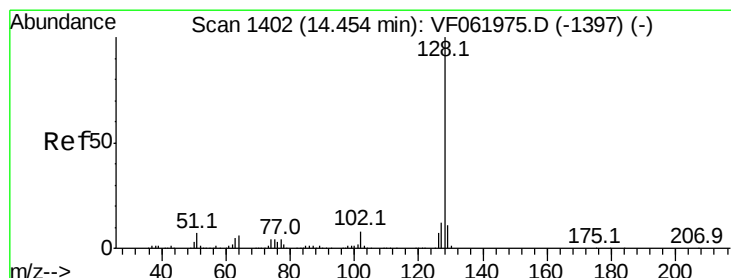
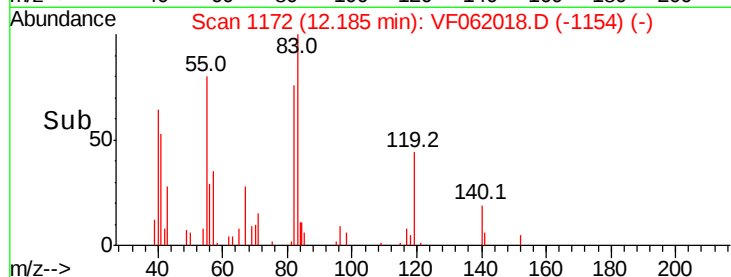
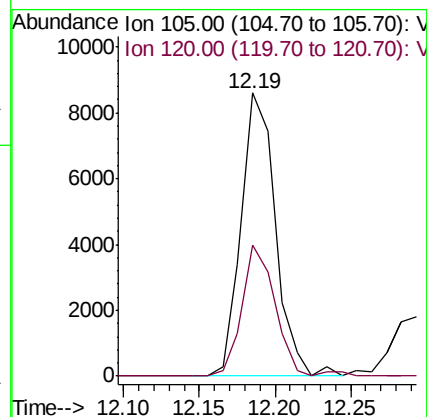
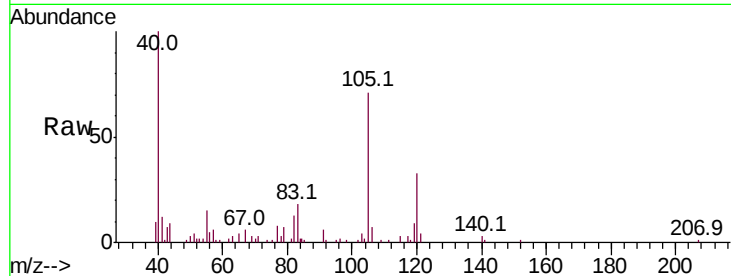
120 46.1 25.9 77.8

Manual Integrations

APPROVED

MMDadoda

3/20/2019 3:39:26 PM



#95

Naphthalene

Concen: 2.947 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF062018.D

Acq: 19 Mar 2019 15:14

Tgt Ion:128 Resp: 11262

Ion Ratio Lower Upper

128 100

127 17.5 9.3 13.9#

129 19.3 9.1 13.7#

