

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061538.D
 Acq On : 28 Jan 2019 13:42
 Operator : VA/AP
 Sample : K1011-09
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-012519-A

Manual Integrations
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 1/29/2019 12:19:04 PM

Quant Time: Jan 29 04:36:46 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	4.86	168	217051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	405458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	295051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	117001	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113417	42.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.64%	
35) Dibromofluoromethane	4.10	113	129870	40.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.18%	
50) Toluene-d8	7.55	98	304768	34.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.54%	
62) 4-Bromofluorobenzene	11.40	95	122107	29.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.62%	
Target Compounds						
16) Acetone	2.23	43	49580	92.226	ug/l #	90
20) Methylene Chloride	2.24	84	13151m	5.648	ug/l	
25) 2-Butanone	4.32	43	10413	11.648	ug/l #	87
52) Toluene	7.62	92	40384	5.862	ug/l	97
68) m/p-Xylenes	10.12	106	11906	3.020	ug/l	100
69) o-Xylene	10.70	106	8324	1.948	ug/l	97
95) Naphthalene	14.45	128	9388	1.876	ug/l #	94

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

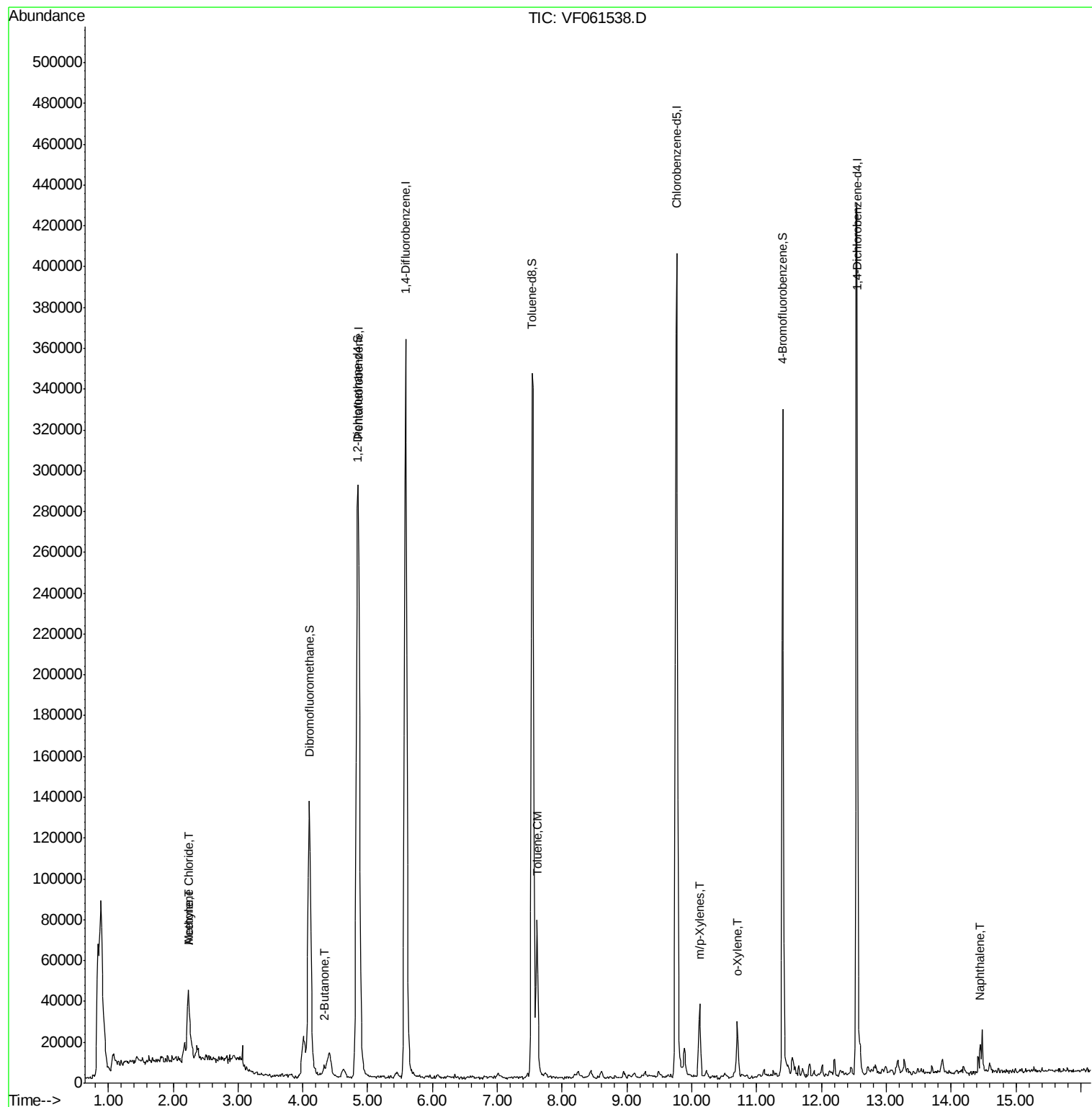
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
Data File : VF061538.D
Acq On : 28 Jan 2019 13:42
Operator : VA/AP
Sample : K1011-09
Misc : 6.57g/5mL/MSVOA-F/SOIL
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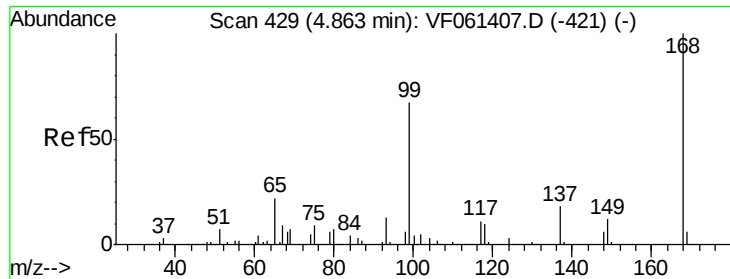
Instrument :
MSVOA_F
ClientSampleId :
OR-01-012519-A

Manual Integrations
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1/29/2019 12:19:04 PM

Quant Time: Jan 29 04:36:46 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: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061538.D

Acq: 28 Jan 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

OR-01-012519-A

Tot Ion:168 Resp: 217051

Ion Ratio Lower Upper

168 100

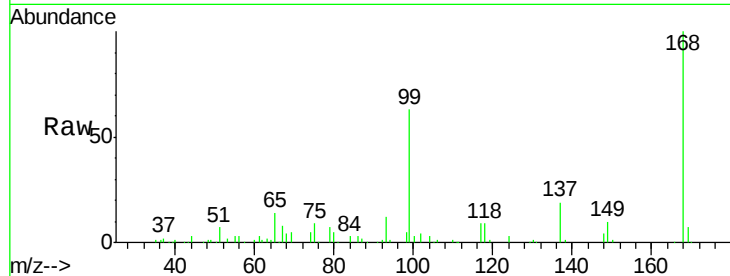
99 63.4 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

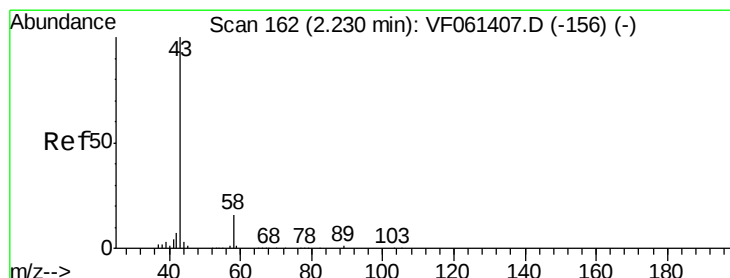
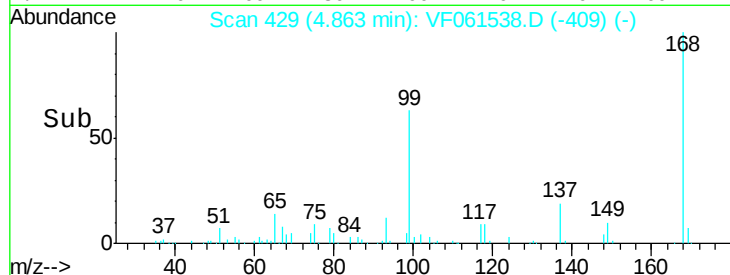
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 92.226 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061538.D

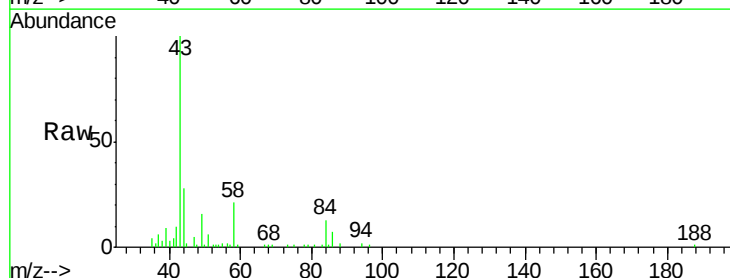
Acq: 28 Jan 2019 13:42

Tgt Ion: 43 Resp: 49580

Ion Ratio Lower Upper

43 100

58 21.1 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

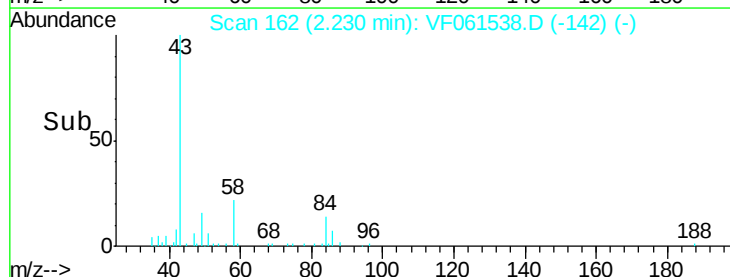
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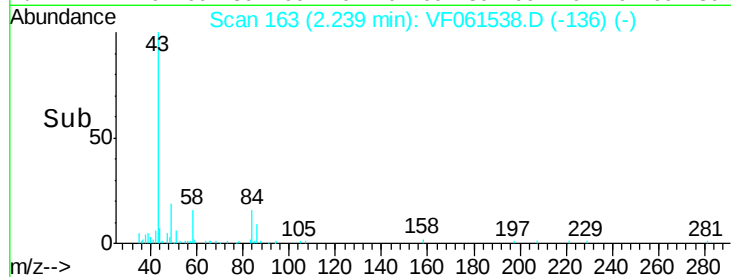
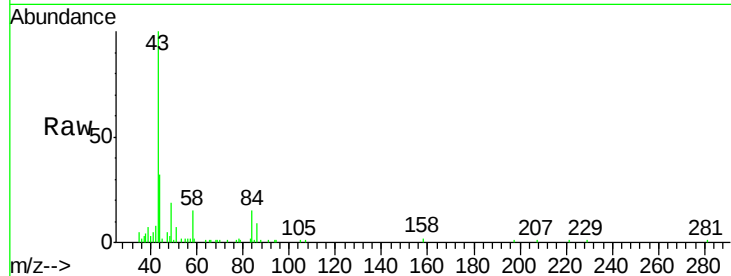
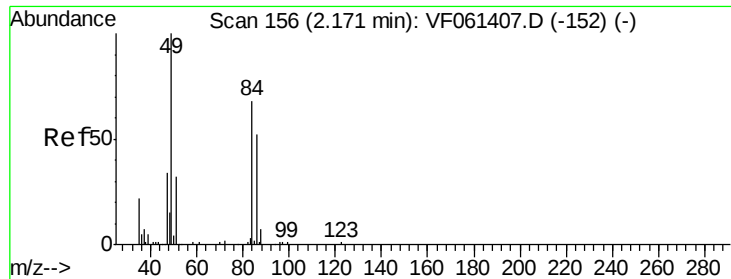
10000

5000

0

Time-->





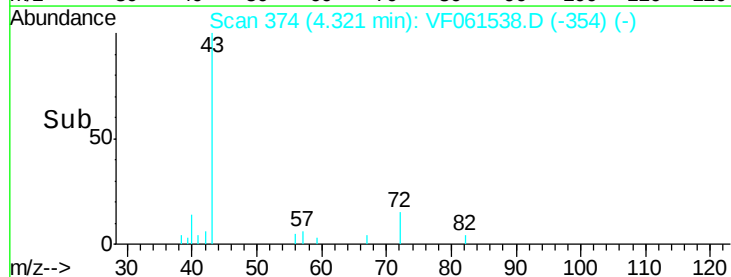
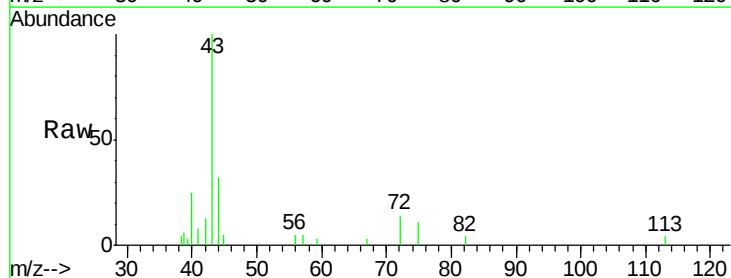
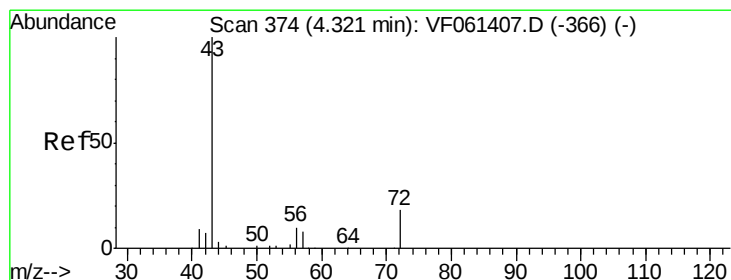
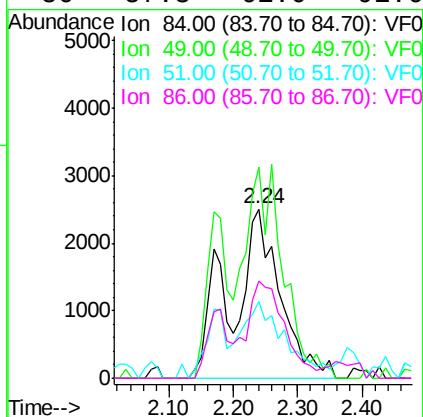
#20
Methvlene Chloride
Concen: 5.648 ug/l m
RT: 2.24 min Scan# 163
Delta R.T. 0.07 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Tot Ion	Ratio	Lower	Upper
84	100		
49	124.3	120.0	180.0
51	45.4	38.6	58.0
86	57.3	61.0	91.6

Instrument :
MSVOA_F
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OR-01-012519-A

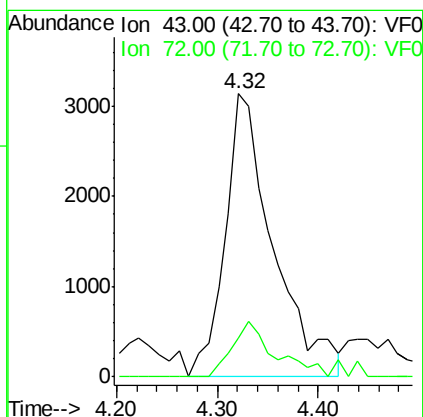
Manual Integrations
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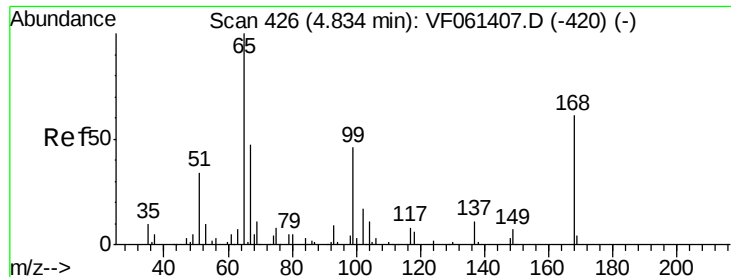
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#25
2-Butanone
Concen: 11.648 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	13.9	15.8	23.6





#33

1,2-Dichloroethane-d4

Concen: 42.323 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061538.D

Acq: 28 Jan 2019 13:42

Tot Ion	65	67	Ratio	100	51.5	Resp	113417	Lower	Upper
65	100								
67		51.5				0.0	99.8		

Instrument :

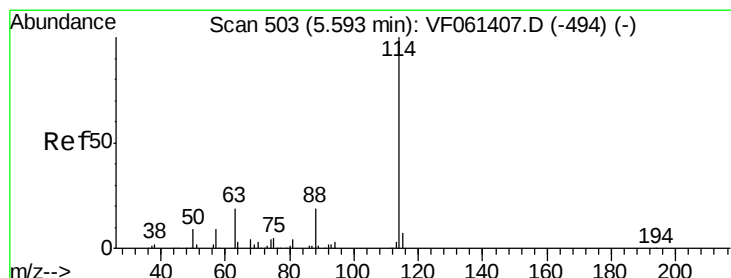
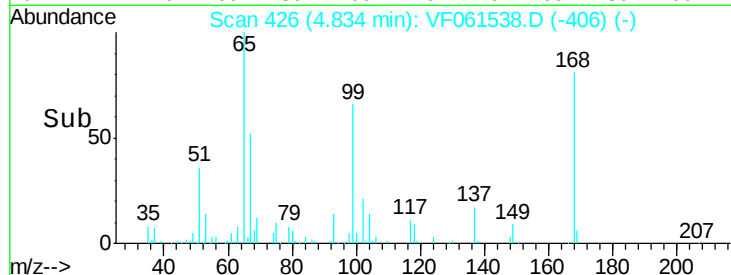
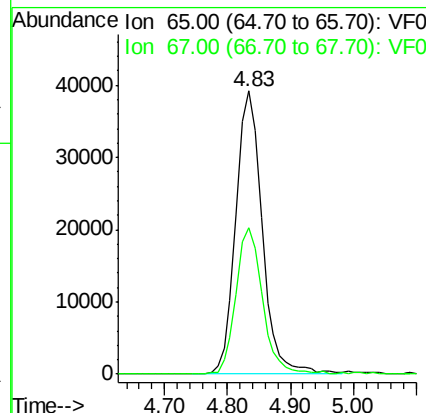
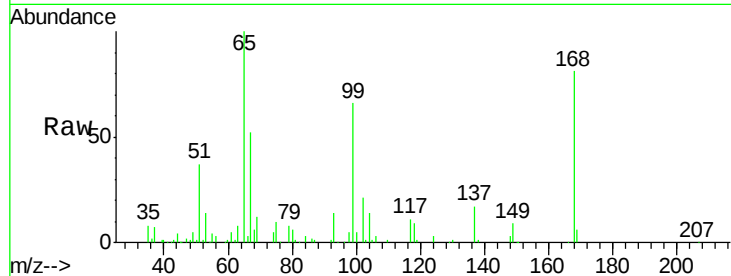
MSVOA_F

ClientSampleId :

OR-01-012519-A

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

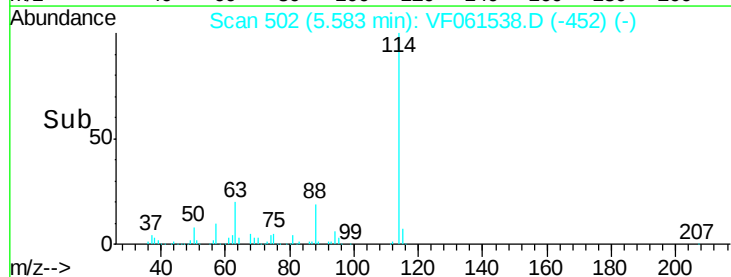
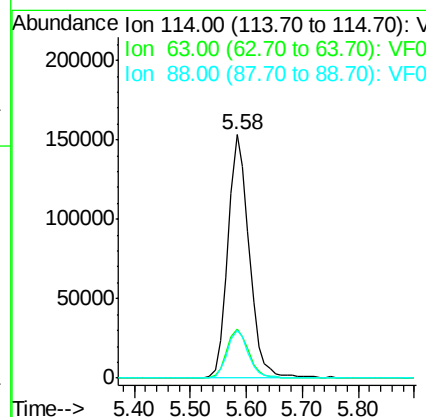
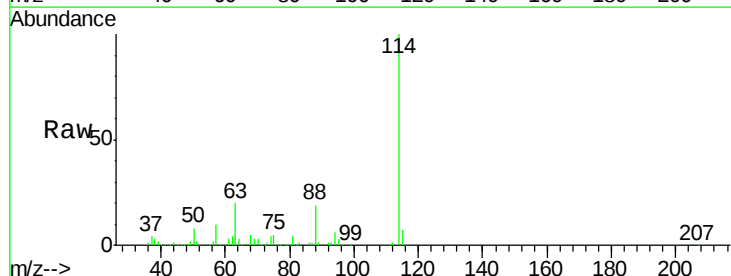
RT: 5.58 min Scan# 502

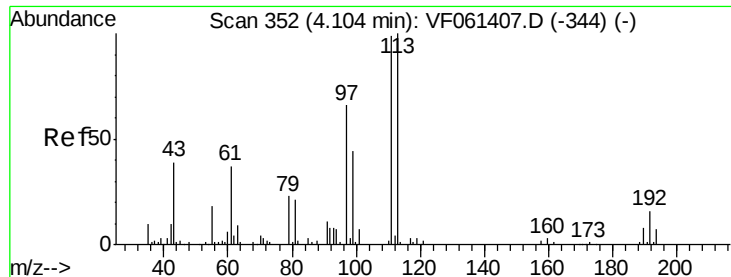
Delta R.T. -0.01 min

Lab File: VF061538.D

Acq: 28 Jan 2019 13:42

Tgt Ion	114	63	88	Ratio	100	20.0	19.5	Resp	405458	Lower	Upper
114	100										
63		20.0				0.0	39.0				
88		19.5				0.0	37.4				





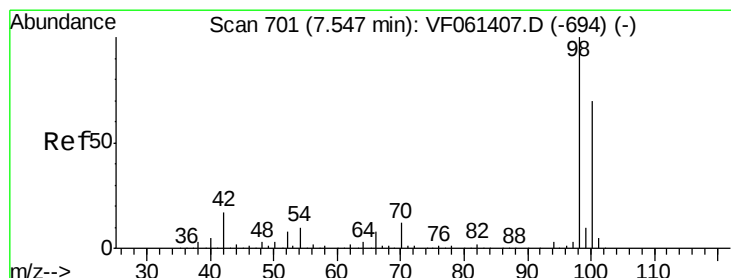
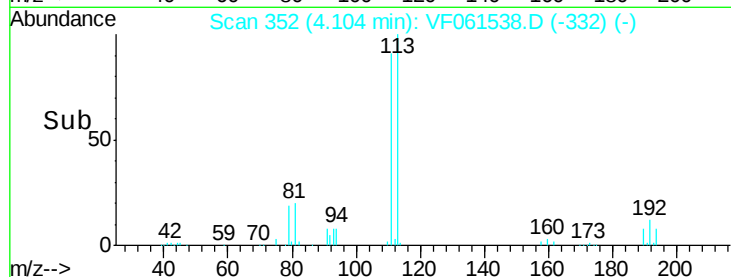
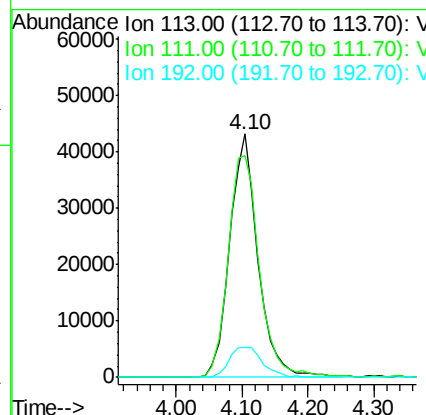
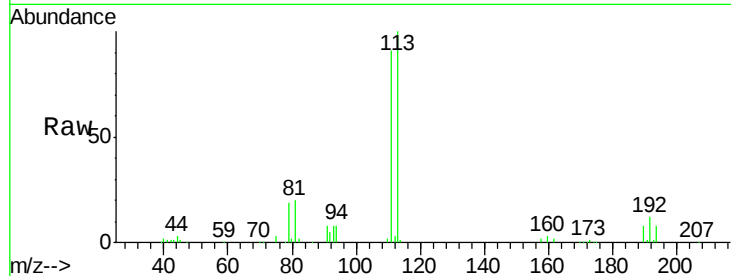
#35
 Dibromofluoromethane
 Concen: 40.592 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061538.D
 Acq: 28 Jan 2019 13:42

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-01-012519-A

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129870		
111	91.1		79.4	119.0
192	12.1		12.4	18.6

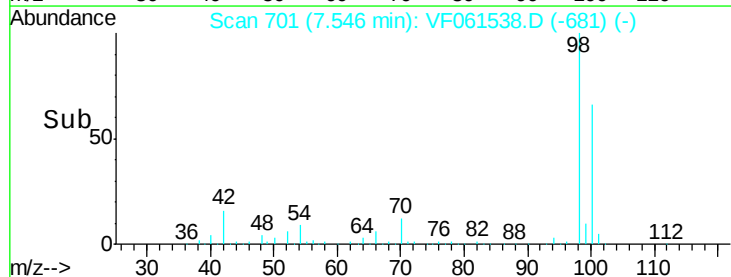
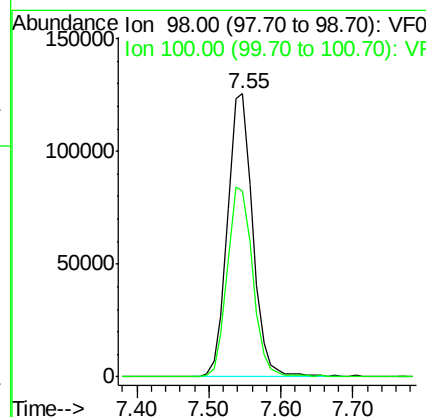
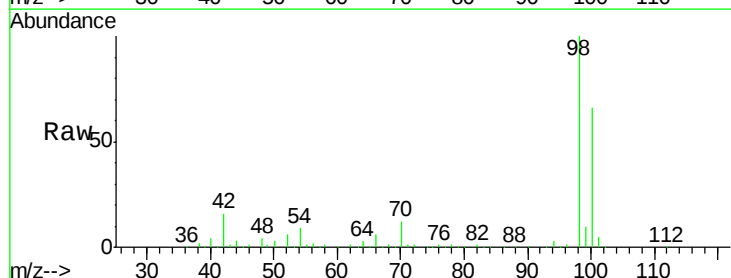
Manual Integrations
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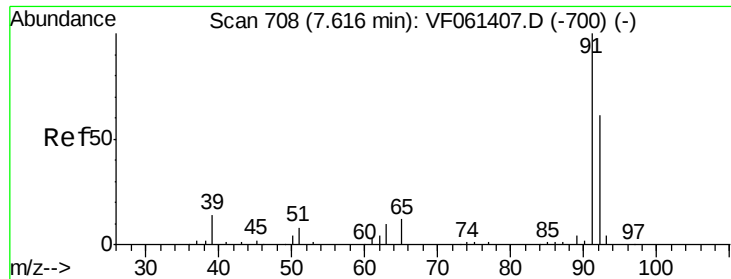
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#50
 Toluene-d8
 Concen: 34.768 ug/l
 RT: 7.55 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VF061538.D
 Acq: 28 Jan 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	304768		
100	65.8		55.6	83.4





#52

Toluene

Concen: 5.862 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061538.D

Acq: 28 Jan 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

OR-01-012519-A

Tot Ion: 92 Resp: 40384

Ion Ratio Lower Upper

92 100

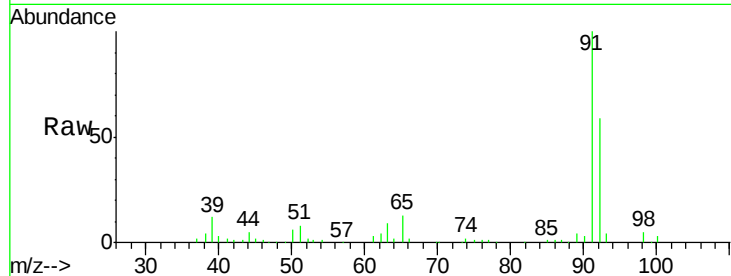
91 168.3 131.2 196.8

Manual Integrations

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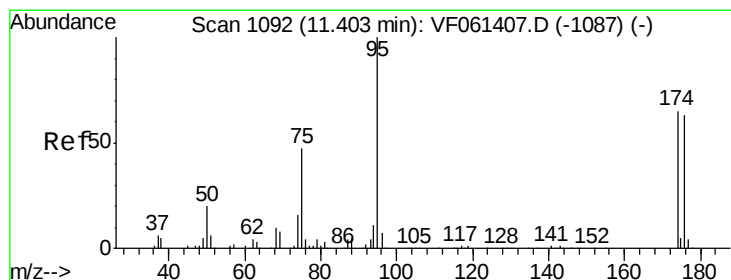
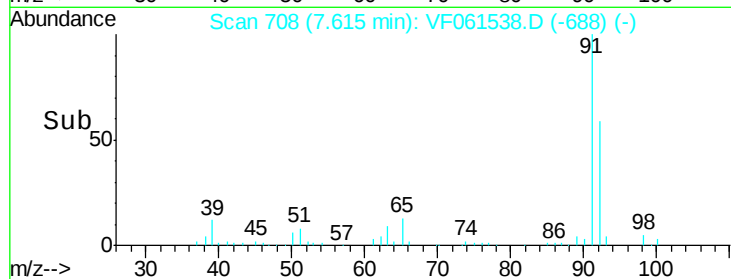
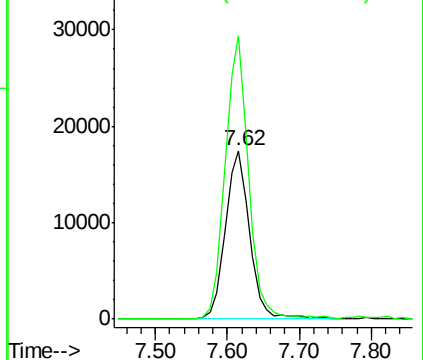
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 29.814 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061538.D

Acq: 28 Jan 2019 13:42

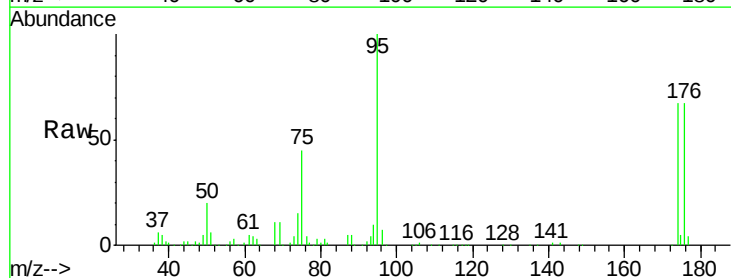
Tgt Ion: 95 Resp: 122107

Ion Ratio Lower Upper

95 100

174 66.9 0.0 130.4

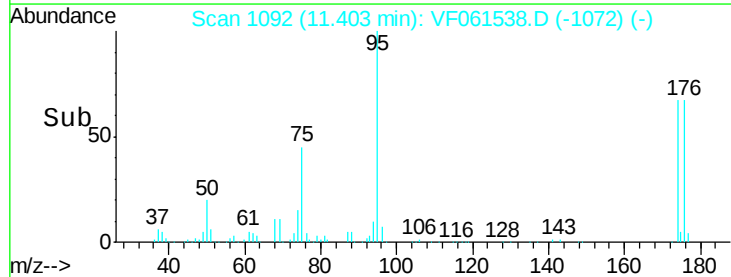
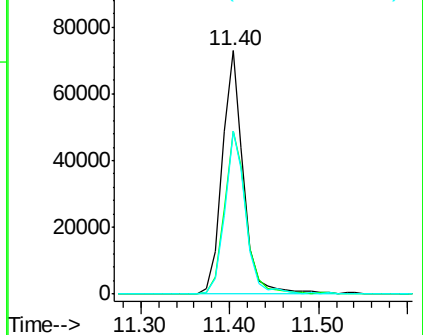
176 66.8 0.0 126.2

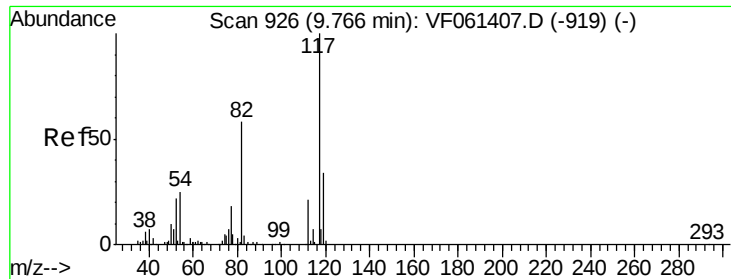


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





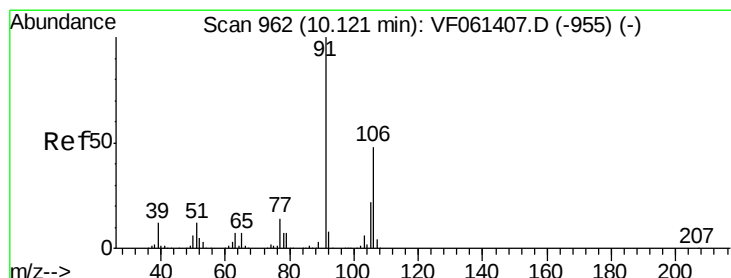
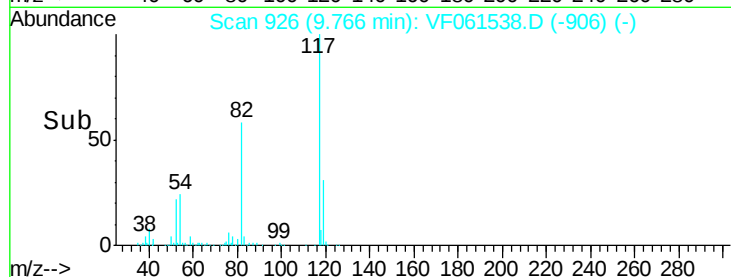
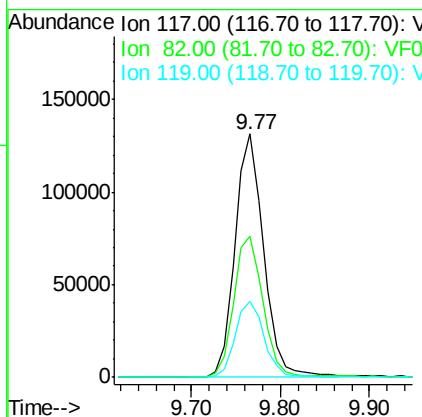
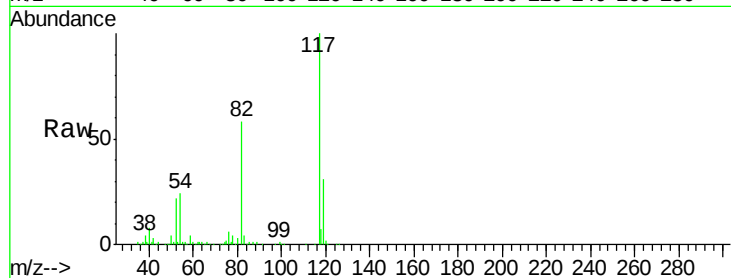
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :
OR-01-012519-A

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295051		
82	58.3		46.4	69.6
119	31.3		27.2	40.8

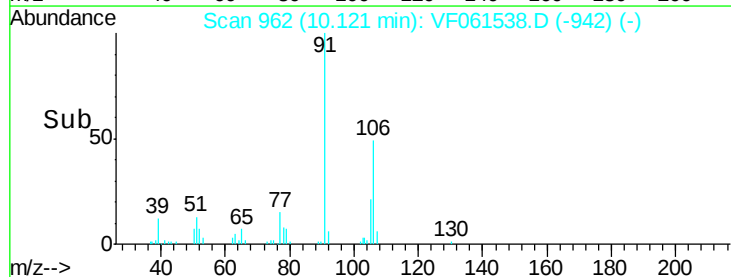
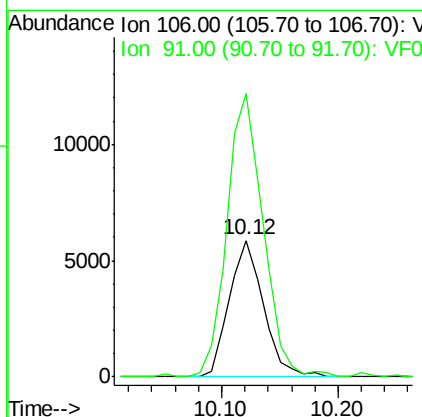
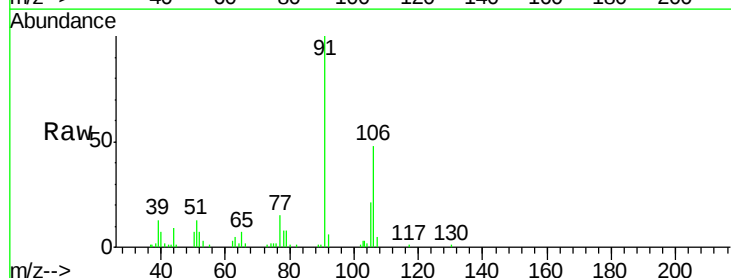
Manual Integrations
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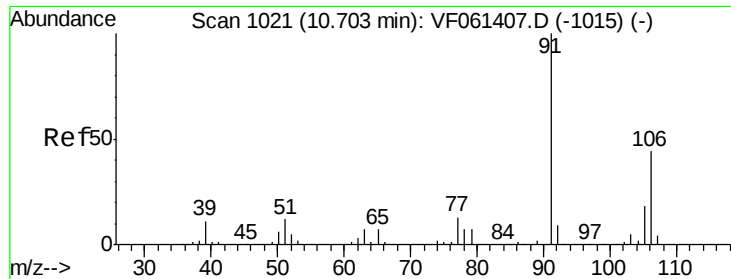
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#68
m/p-Xylenes
Concen: 3.020 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	11906		
91	207.8		166.2	249.4





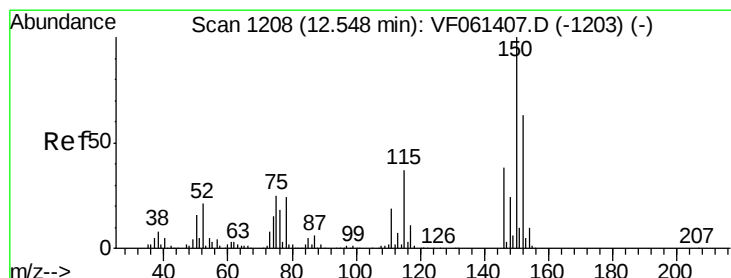
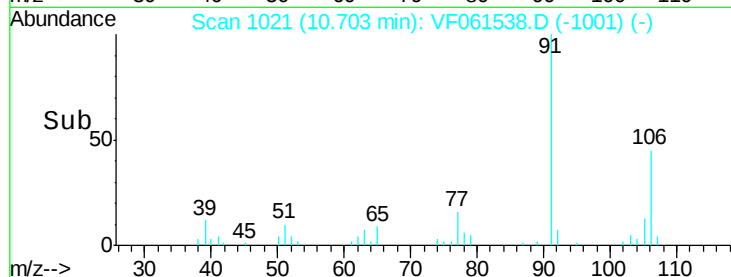
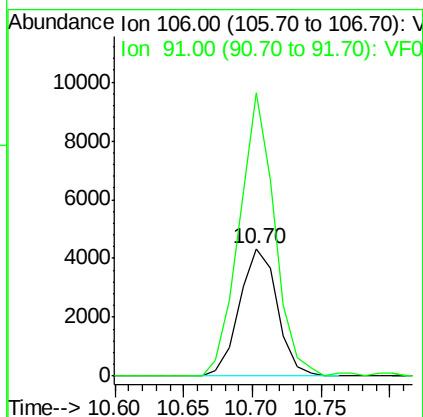
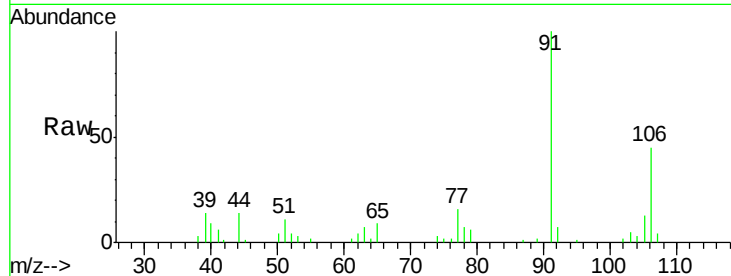
#69
o-Xylene
Concen: 1.948 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Instrument :
MSVOA_F
ClientSampleID :
OR-01-012519-A

Tot Ion:106 Resp: 8324
Ion Ratio Lower Upper
106 100
91 222.2 113.3 339.8

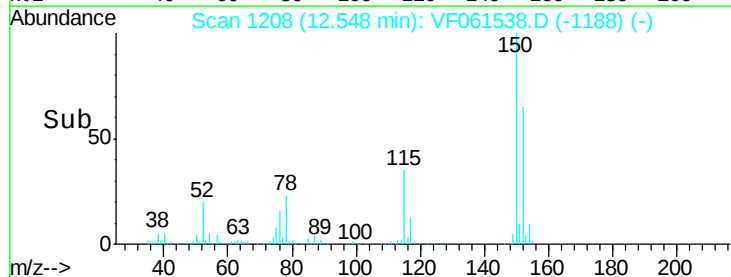
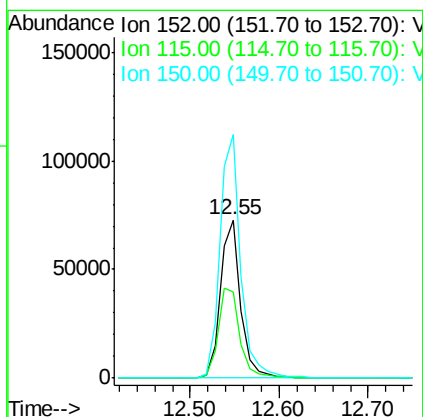
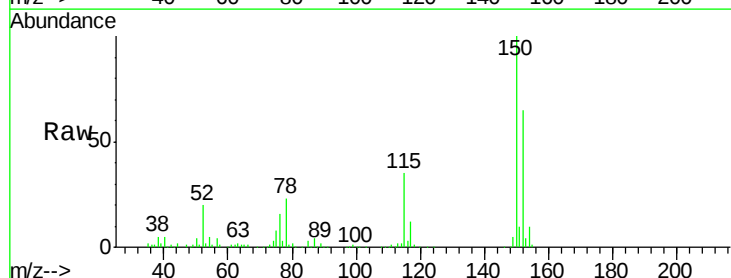
Manual Integrations
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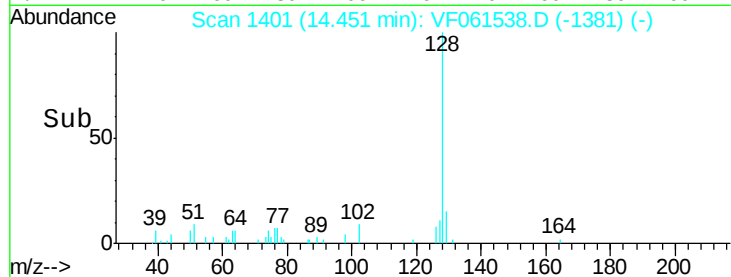
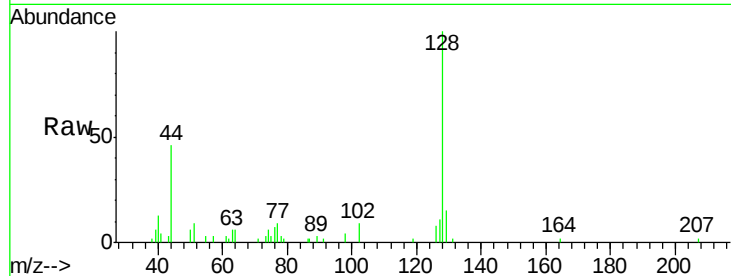
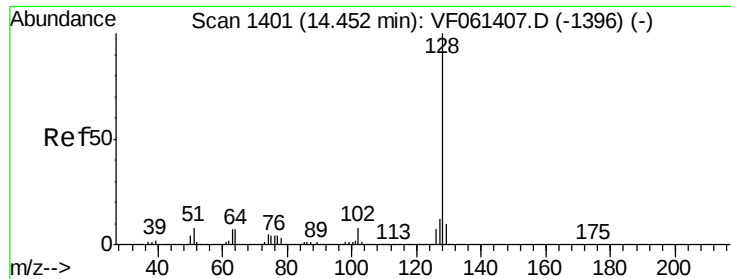
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1/29/2019 12:19:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Tgt Ion:152 Resp: 117001
Ion Ratio Lower Upper
152 100
115 54.5 30.0 90.0
150 153.8 0.0 321.4





#95
Naphthalene
Concen: 1.876 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061538.D
Acq: 28 Jan 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :
OR-01-012519-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.5	14.3
129	15.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:19:04 PM

