

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061023.D
 Acq On : 14 Dec 2018 16:41
 Operator : VA/AP
 Sample : J6403-21
 Misc : 5.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3-B

Manual Integrations
 APPROVED

Quant Time: Dec 15 01:03:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	20066	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	30531	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	15448	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	2054	50.00	ug/l	-0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	6144	25.99	ug/l	-0.05	apatel
Spiked Amount 50.000			Recovery =	51.98%			
35) Dibromofluoromethane	4.10	113	8937	36.90	ug/l	-0.05	
Spiked Amount 50.000			Recovery =	73.80%			
50) Toluene-d8	7.55	98	23344	32.72	ug/l	-0.05	12/15/2018 3:26:07 PM
Spiked Amount 50.000			Recovery =	65.44%			
62) 4-Bromofluorobenzene	11.40	95	10850	33.46	ug/l	-0.04	
Spiked Amount 50.000			Recovery =	66.92%			

Target Compounds

						Qvalue
40) Benzene	4.62	78	7281	9.732	ug/l #	83
52) Toluene	7.62	92	5856	11.144	ug/l #	72
67) Ethyl Benzene	9.89	91	72290	129.209	ug/l	99
68) m/p-Xylenes	10.13	106	10720	53.274	ug/l	78
69) o-Xylene	10.70	106	16829	75.843	ug/l	82
70) Styrene	10.78	104	2527	8.216	ug/l #	85
73) Isopropylbenzene	11.12	105	52130	321.159	ug/l	97
78) n-propylbenzene	11.59	91	12948	68.116	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	122309	928.184	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	319971	2433.017	ug/l	98
85) sec-Butylbenzene	12.30	105	8499m	46.253	ug/l	
86) p-Isopropyltoluene	12.46	119	89529m	581.152	ug/l	
95) Naphthalene	14.45	128	976577	12074.923	ug/l	99

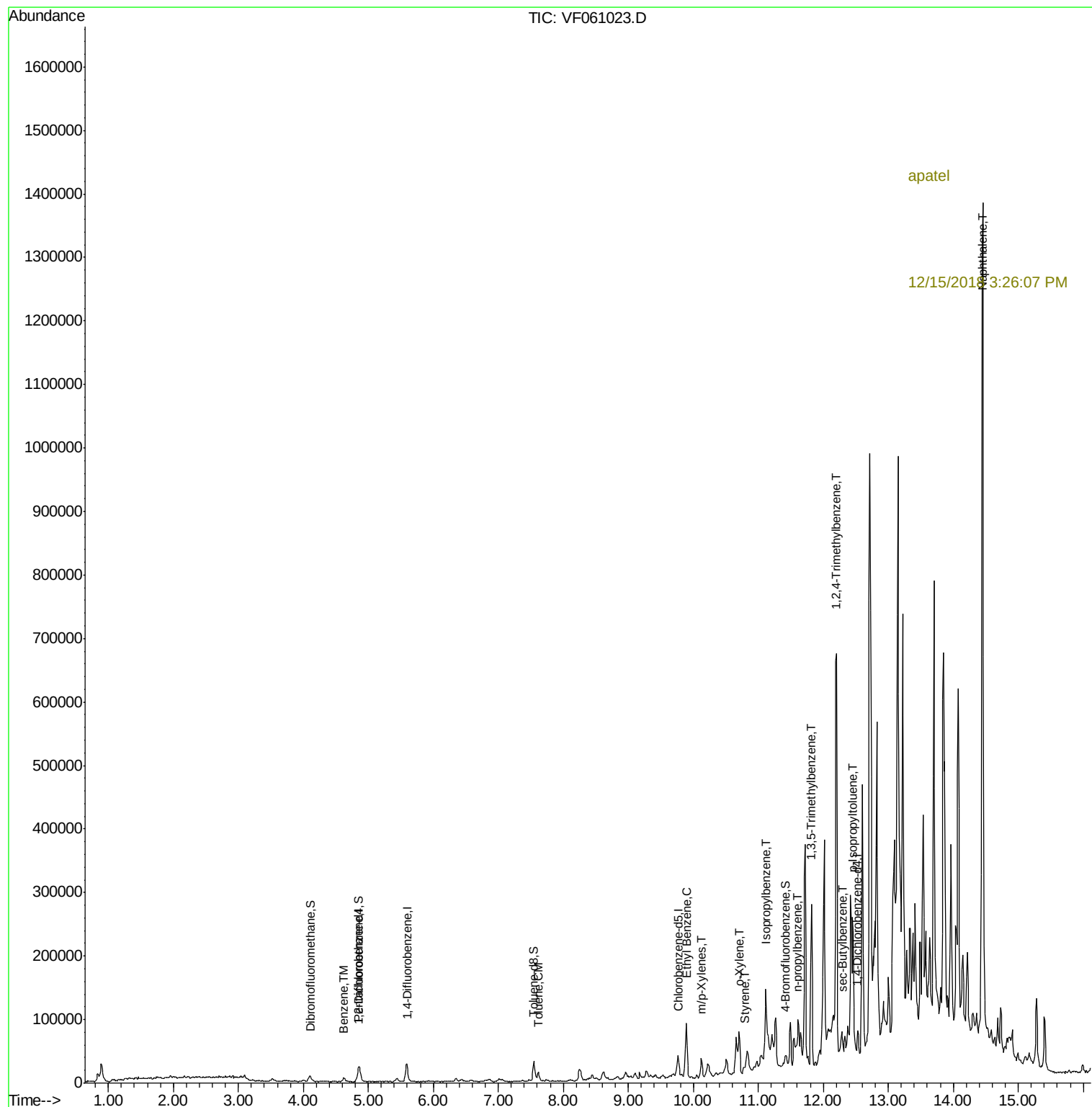
(#) = qualifier out of range (m) = manual integration (+) = signals summed

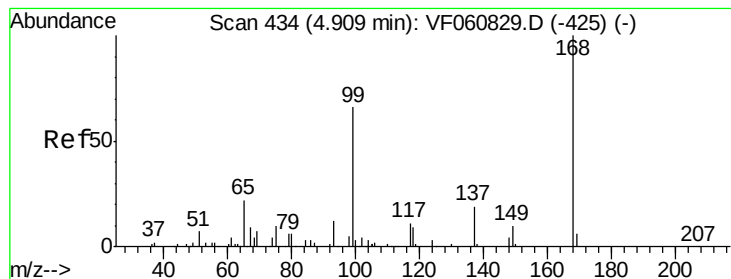
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
Data File : VF061023.D
Acq On : 14 Dec 2018 16:41
Operator : VA/AP
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Quant Time: Dec 15 01:03:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Instrument :

MSVOA_F

ClientSampled :

TP-3-B

Tgt Ion:168 Resp: 20066

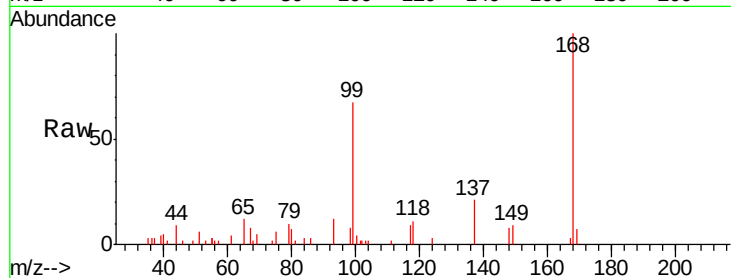
Ion Ratio Lower Upper

168 100

99 67.4 52.6 79.0

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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

6000

4000

2000

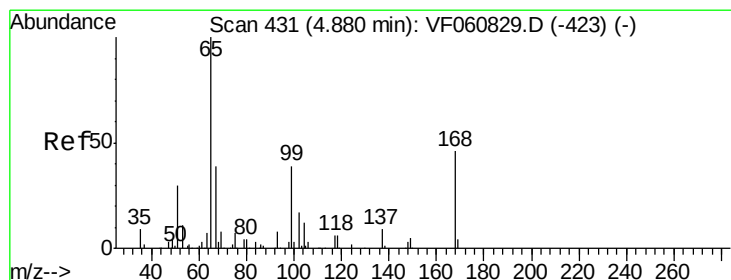
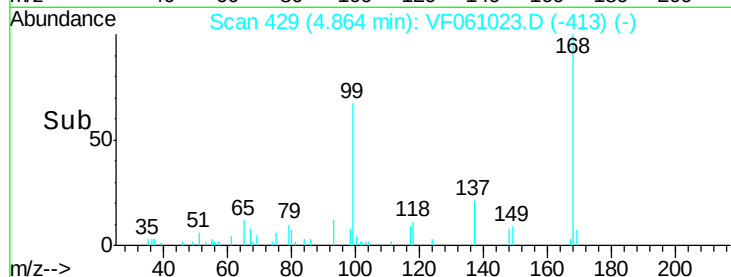
0

4.80 4.90 5.00

Time-->

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#33

1,2-Dichloroethane-d4

Concen: 25.992 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061023.D

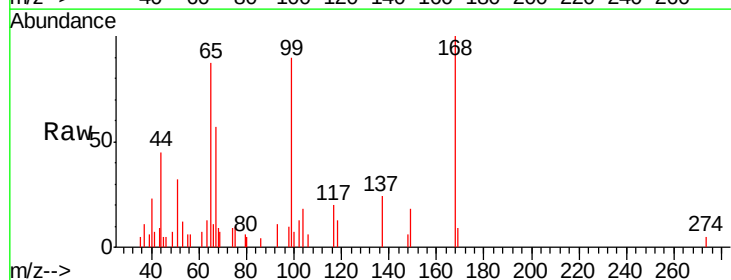
Acq: 14 Dec 2018 16:41

Tgt Ion: 65 Resp: 6144

Ion Ratio Lower Upper

65 100

67 65.7 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

2000

1500

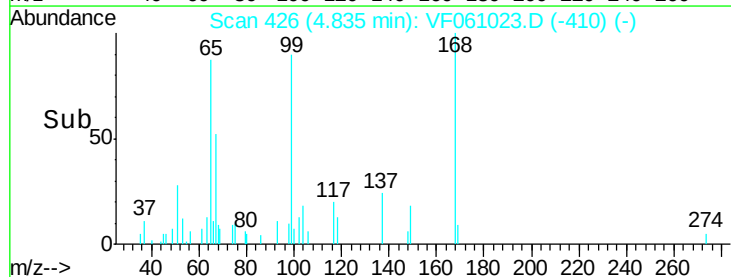
1000

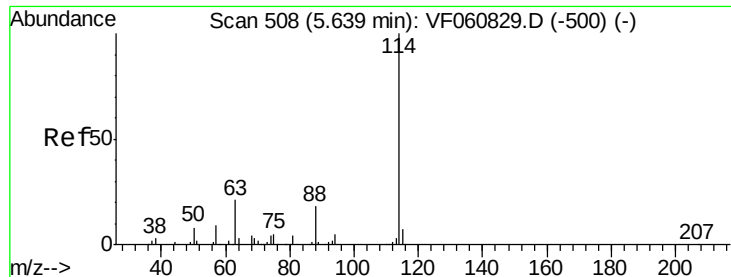
500

0

4.70 4.80 4.90

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Instrument :

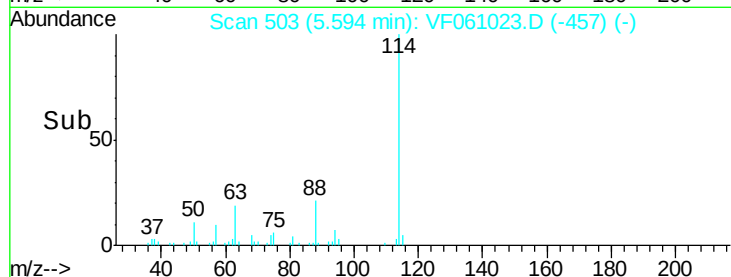
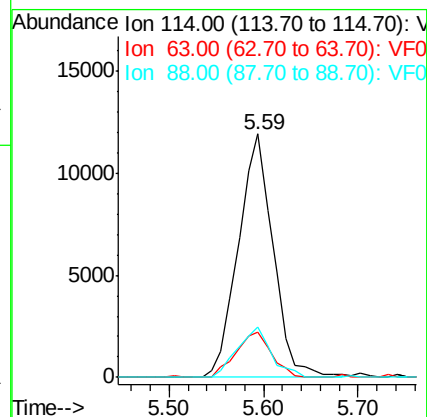
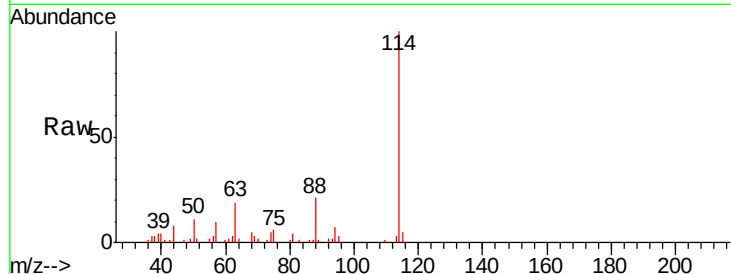
MSVOA_F

ClientSampled :

TP-3-B

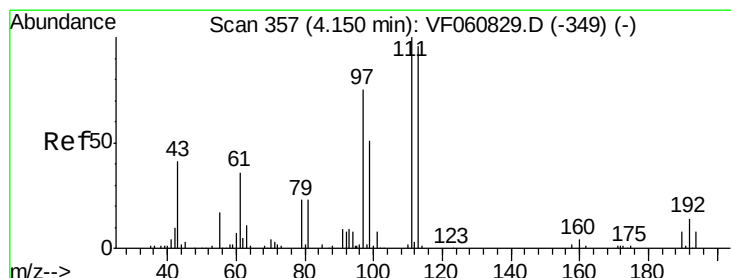
Tgt Ion:	114	Resp:	30531
Ion Ratio		Lower	Upper
114	100		
63	18.5	0.0	41.6
88	20.7	0.0	36.6

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#35

Dibromofluoromethane

Concen: 36.898 ug/l

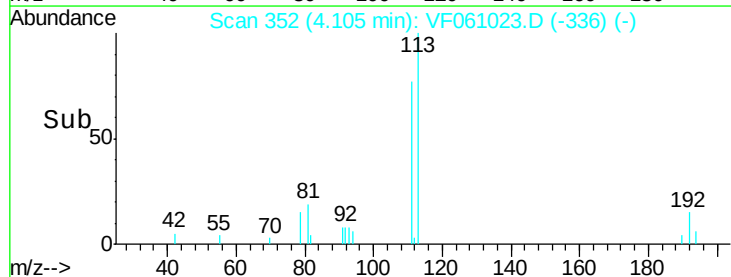
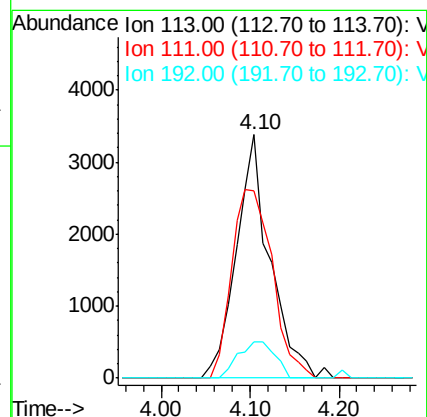
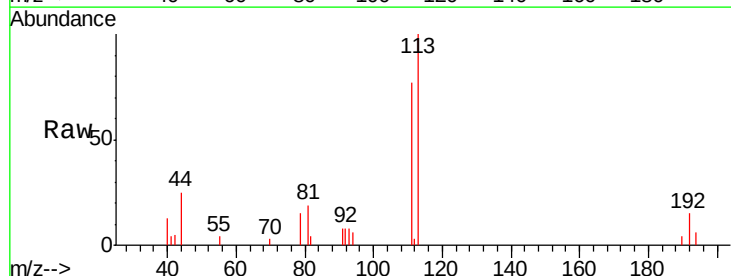
RT: 4.10 min Scan# 352

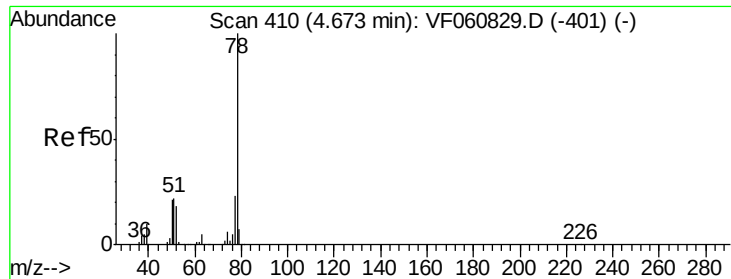
Delta R.T. -0.05 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Tgt Ion:	113	Resp:	8937
Ion Ratio		Lower	Upper
113	100		
111	77.0	83.0	124.6#
192	14.7	12.3	18.5



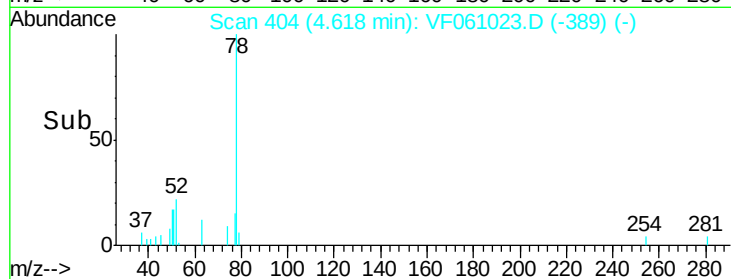
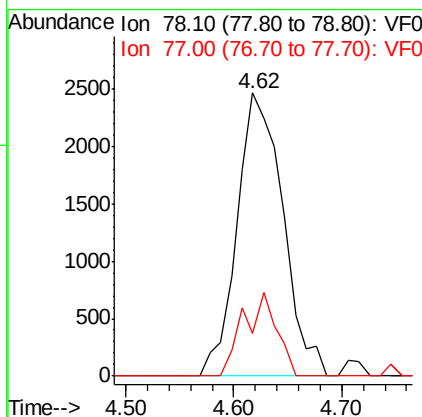
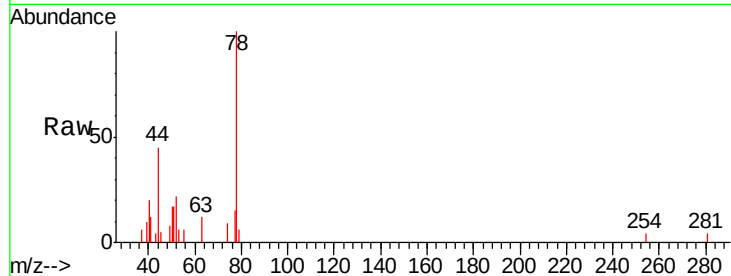


#40
Benzene
Concen: 9.732 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Instrument :
MSVOA_F
ClientSampled :
TP-3-B

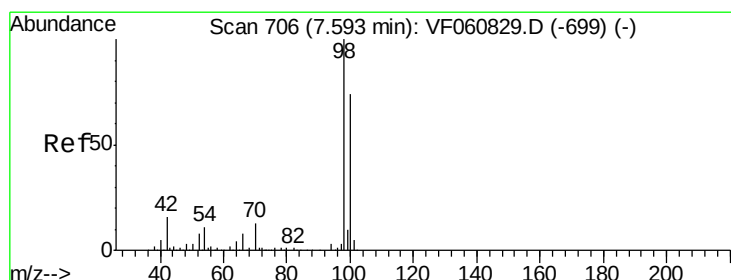
Tgt Ion: 78 Resp: 7281
Ion Ratio Lower Upper
78 100
77 15.1 18.7 28.1#

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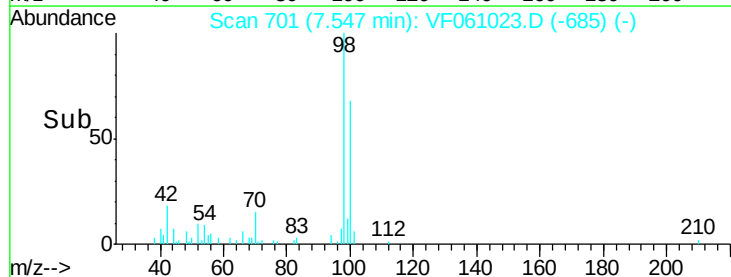
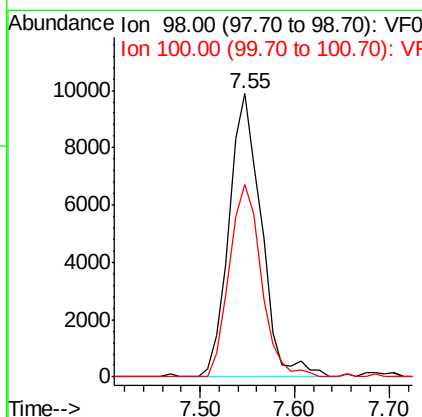
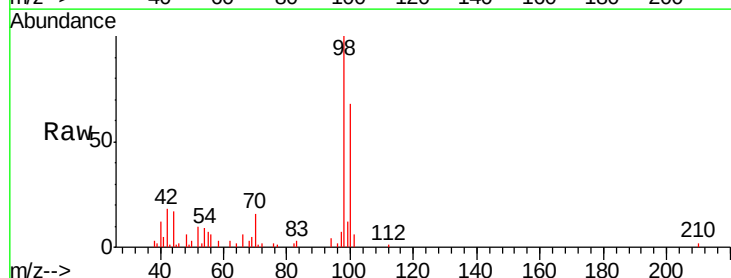
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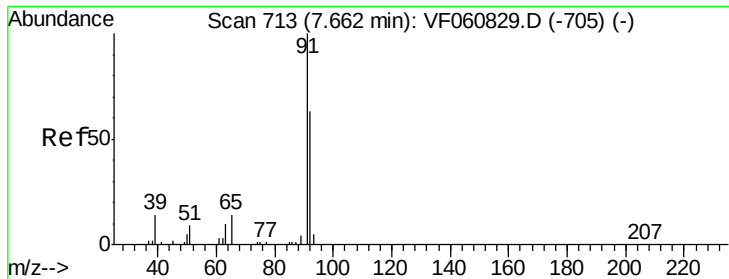
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#50
Toluene-d8
Concen: 32.719 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Tgt Ion: 98 Resp: 23344
Ion Ratio Lower Upper
98 100
100 68.2 59.3 88.9





#52

Toluene

Concen: 11.144 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

TP-3-B

Tgt Ion: 92 Resp: 5856

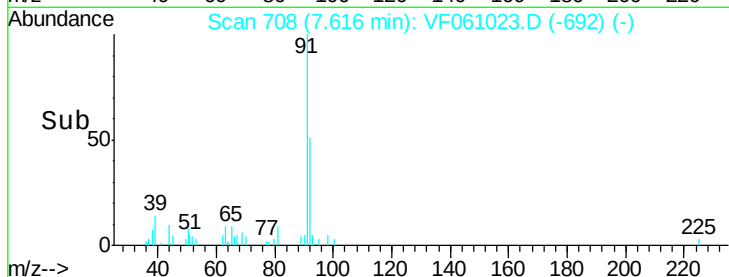
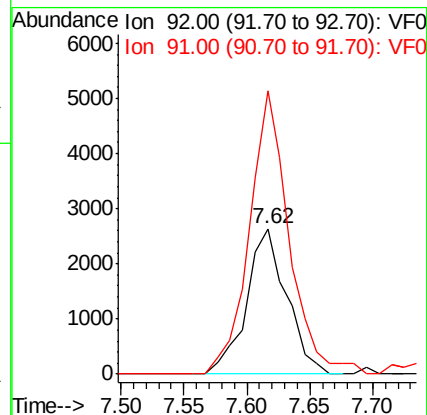
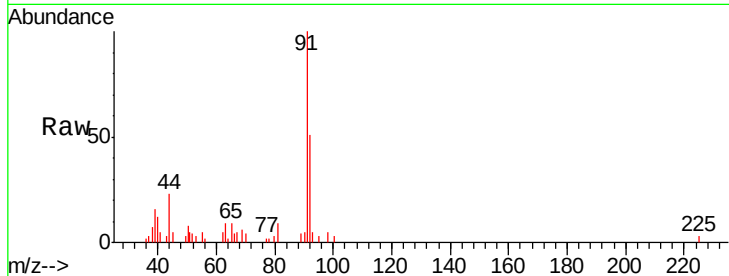
Ion Ratio Lower Upper

92 100

91 194.5 126.2 189.2#

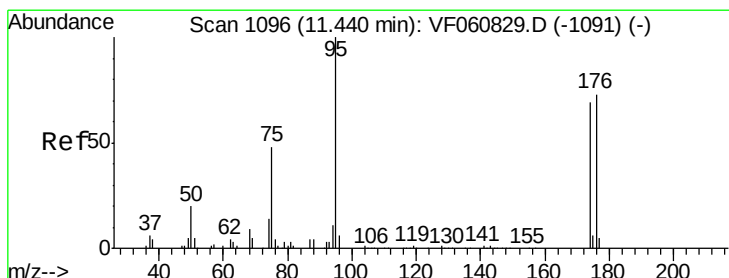
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#62

4-Bromofluorobenzene

Concen: 33.460 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

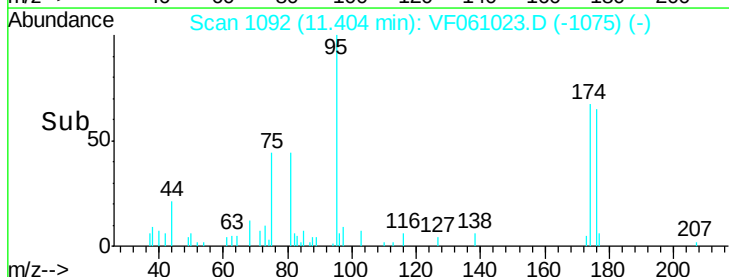
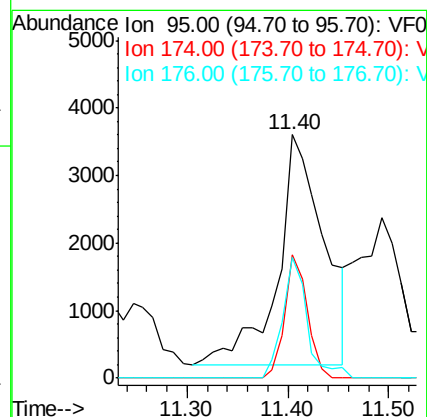
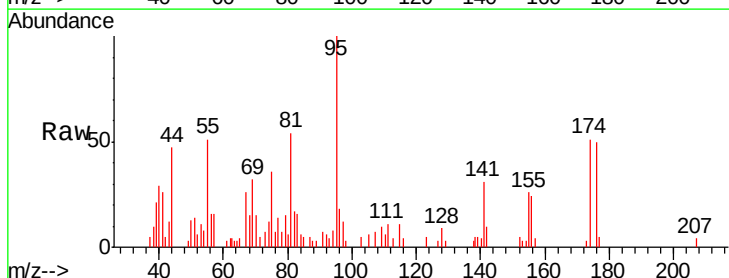
Tgt Ion: 95 Resp: 10850

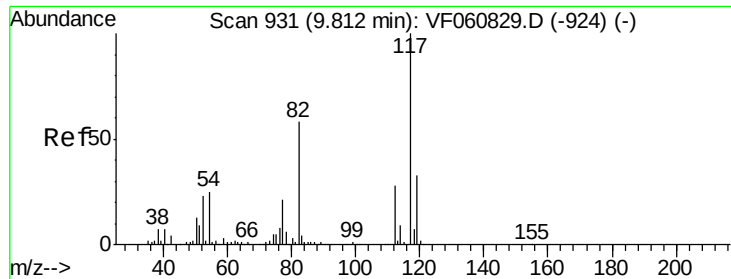
Ion Ratio Lower Upper

95 100

174 50.7 0.0 138.2

176 49.6 0.0 146.2



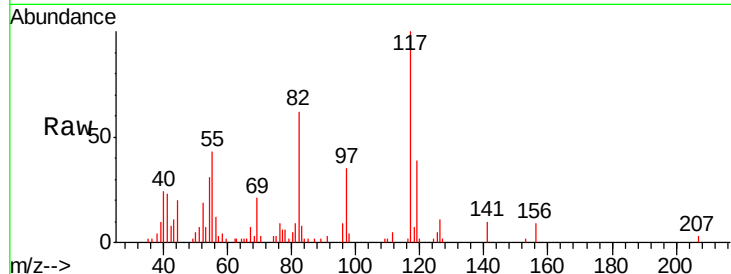


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

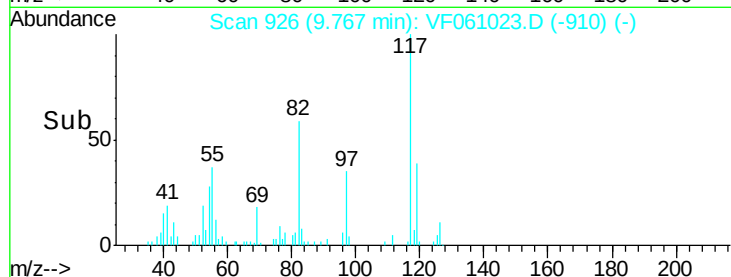
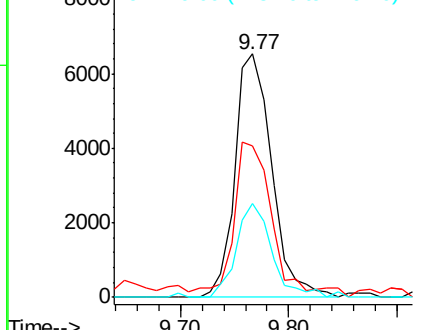
Instrument :
MSVOA_F
ClientSampled :
TP-3-B

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.2	46.6	69.8
119	38.6	26.4	39.6

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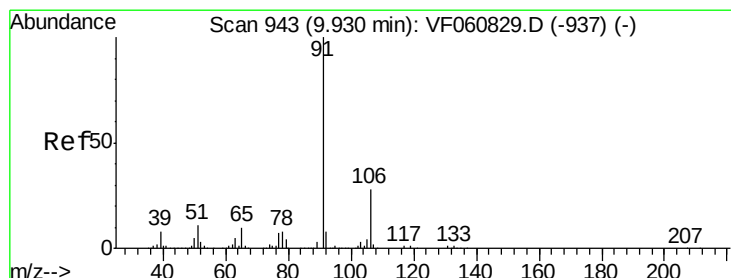


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



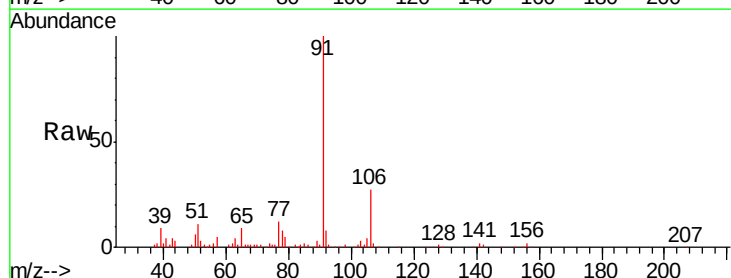
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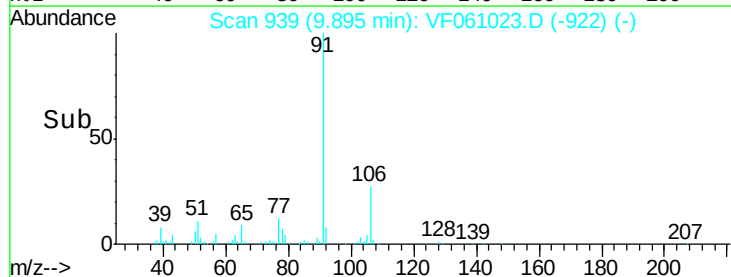
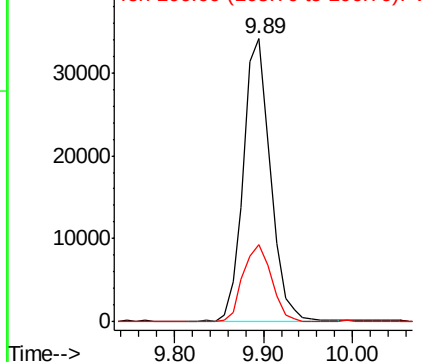


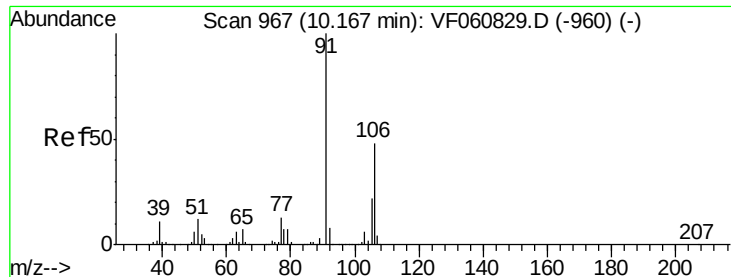
#67
Ethyl Benzene
Concen: 129.209 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.04 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.1	22.2	33.2



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V



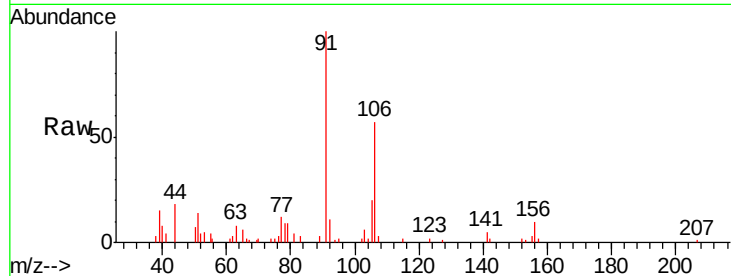


#68
m/p-Xylenes
Concen: 53.274 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

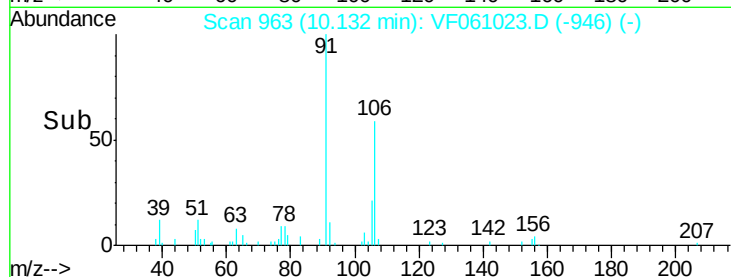
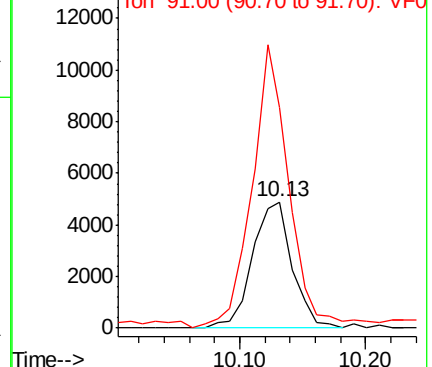
Instrument :
MSVOA_F
ClientSampled :
TP-3-B

Tgt Ion:106 Resp: 10720
Ion Ratio Lower Upper
106 100
91 174.8 166.7 250.1

Manual Integrations
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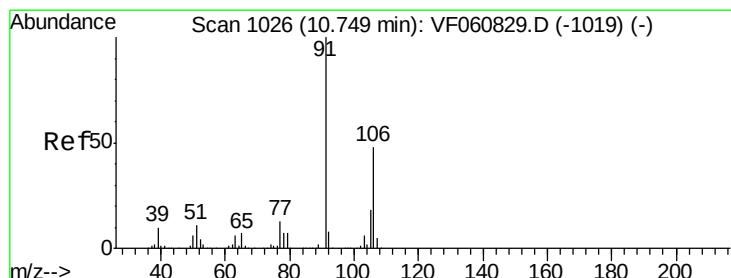


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



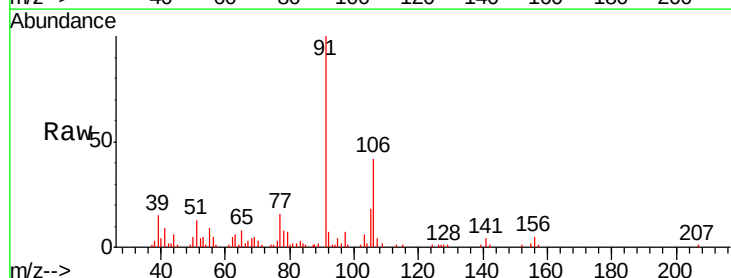
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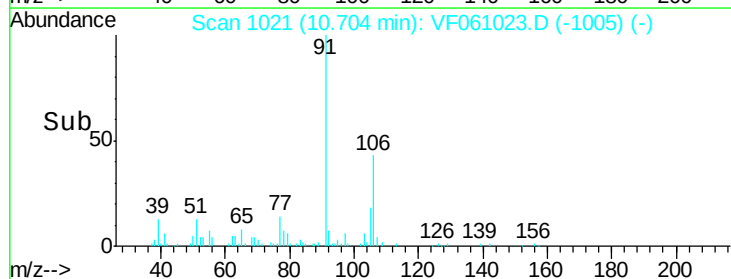
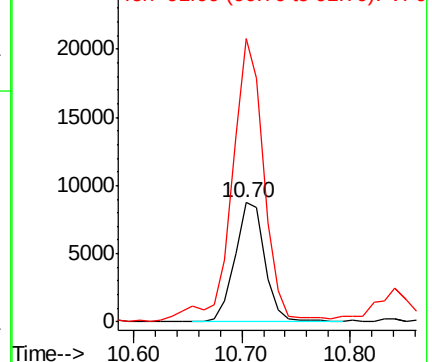


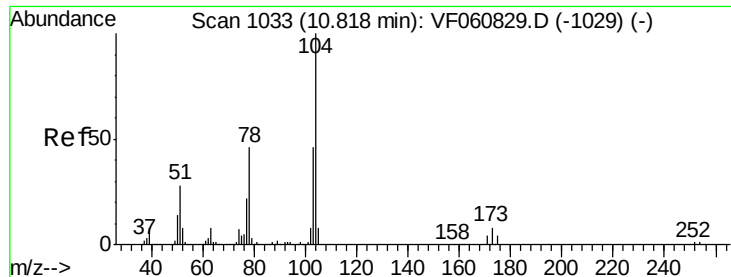
#69
o-Xylene
Concen: 75.843 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Tgt Ion:106 Resp: 16829
Ion Ratio Lower Upper
106 100
91 237.9 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



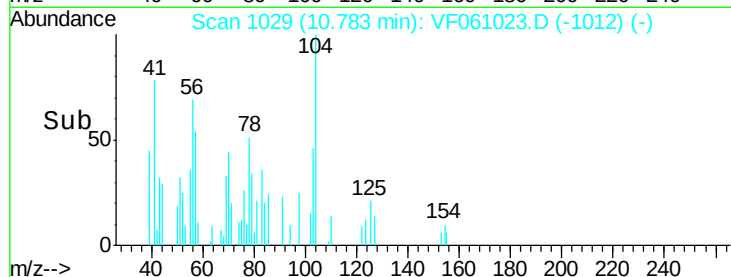
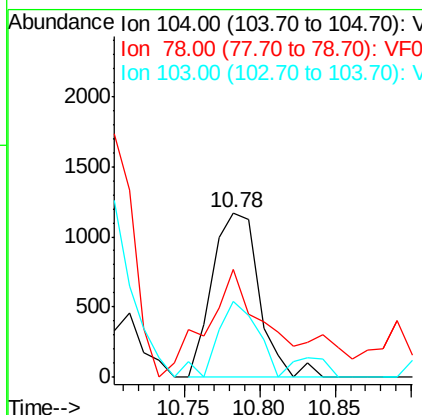
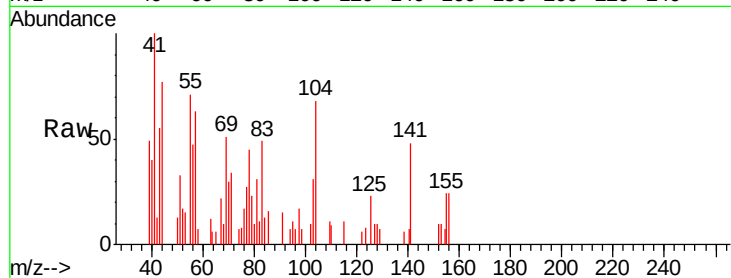


#70
Styrene
Concen: 8.216 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Instrument :
MSVOA_F
ClientSampled :
TP-3-B

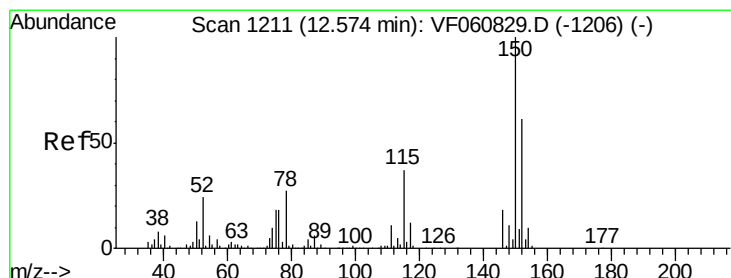
Tgt Ion	Ratio	Lower	Upper
104	100		
78	65.7	37.3	55.9#
103	46.4	36.8	55.2

Manual Integrations
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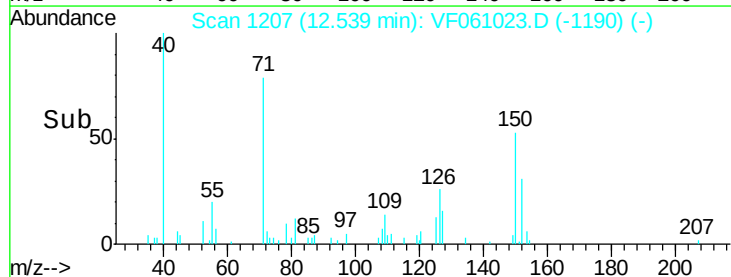
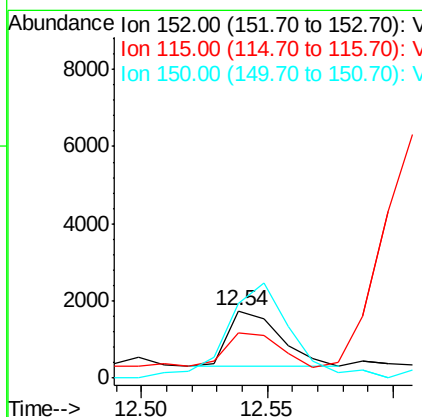
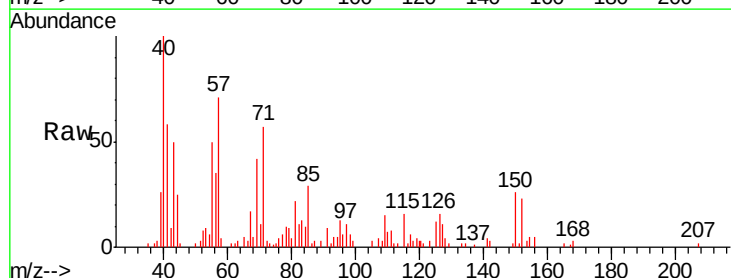
apatel

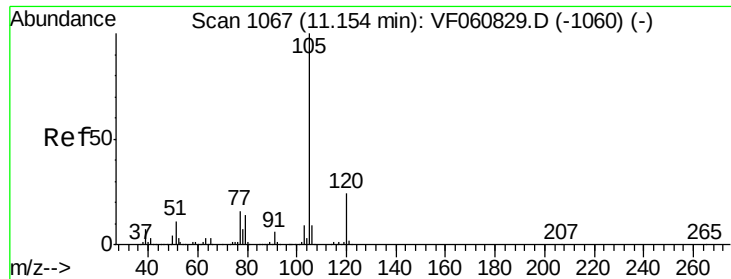
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.04 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.7	30.1	90.5
150	111.9	0.0	327.6





#73

Isopropylbenzene

Concen: 321.159 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

TP-3-B

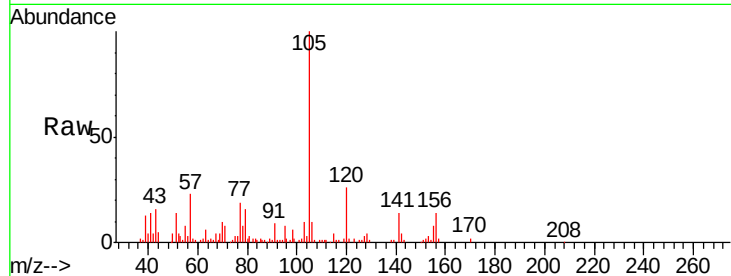
Tgt Ion: 105 Resp: 52130

Ion Ratio Lower Upper

105 100

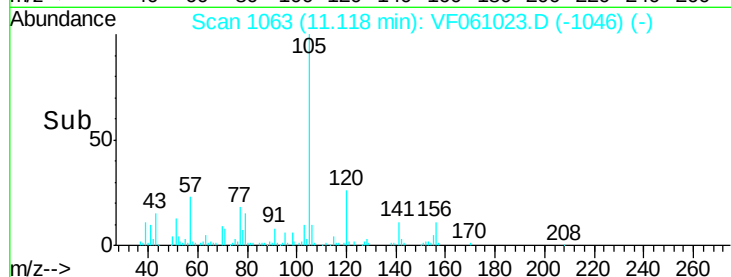
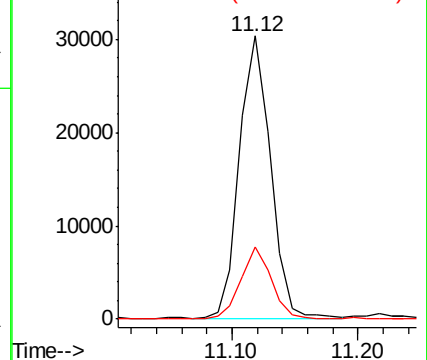
120 25.6 12.2 36.4

Manual Integrations
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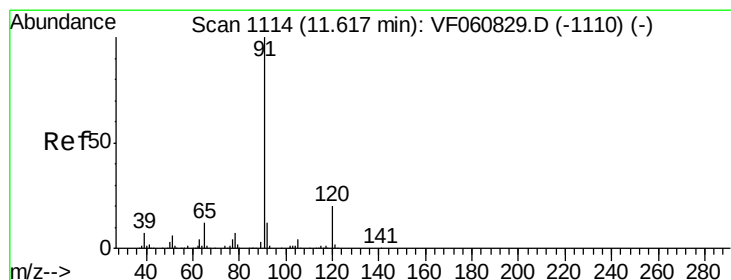
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#78

n-propylbenzene

Concen: 68.116 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF061023.D

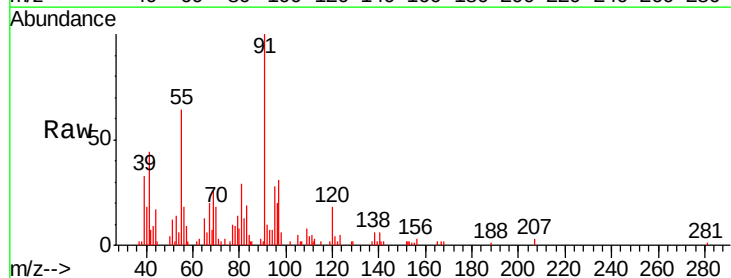
Acq: 14 Dec 2018 16:41

Tgt Ion: 91 Resp: 12948

Ion Ratio Lower Upper

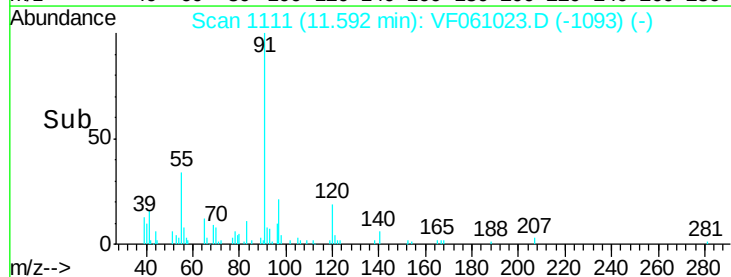
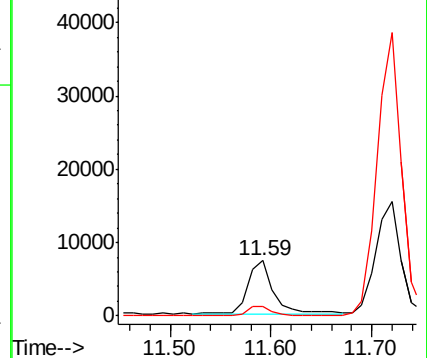
91 100

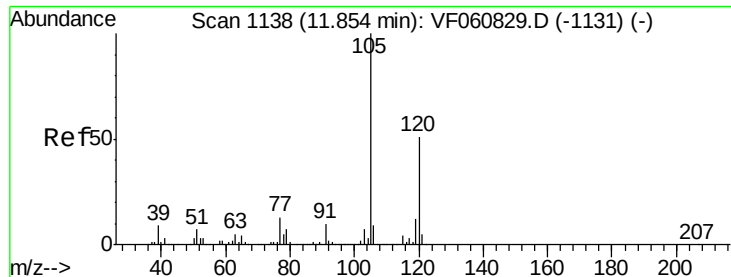
120 18.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 928.184 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF061023.D

Acq: 14 Dec 2018 16:41

Instrument :

MSVOA_F

ClientSampled :

TP-3-B

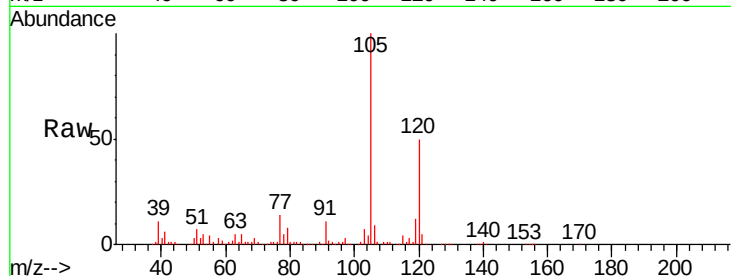
Tgt Ion:105 Resp: 122309

Ion Ratio Lower Upper

105 100

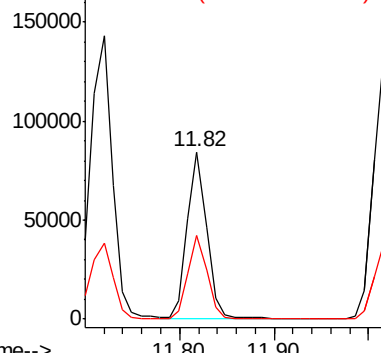
120 50.1 25.8 77.3

Manual Integrations
APPROVED



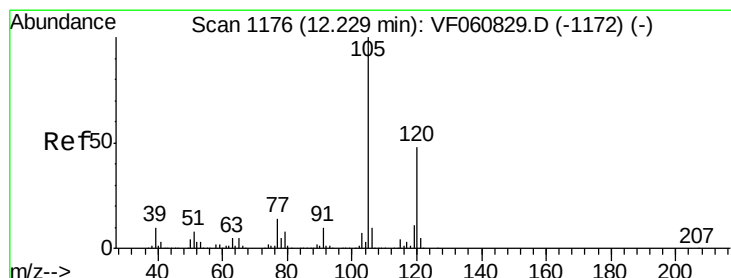
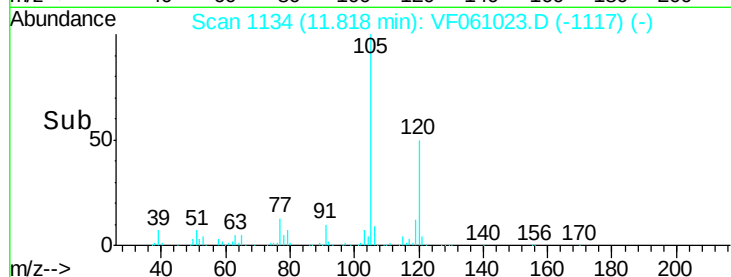
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 2433.017 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.03 min

Lab File: VF061023.D

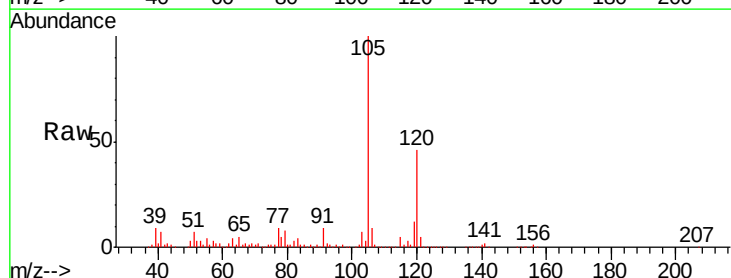
Acq: 14 Dec 2018 16:41

Tgt Ion:105 Resp: 319971

Ion Ratio Lower Upper

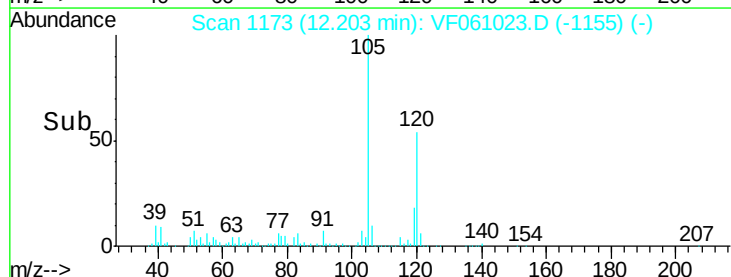
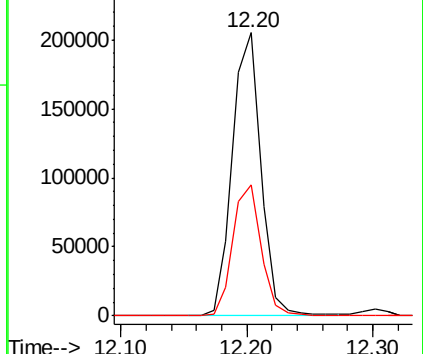
105 100

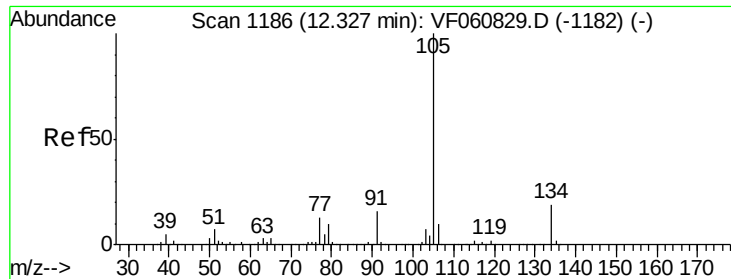
120 46.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



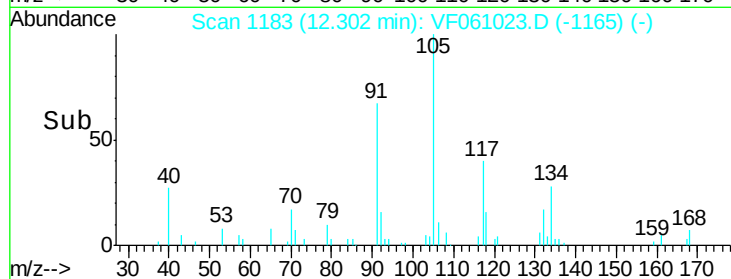
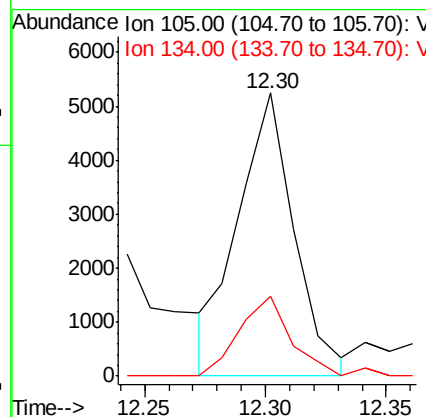
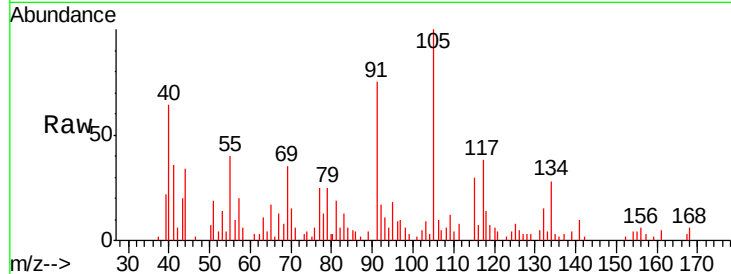


#85
 sec-Butylbenzene
 Concen: 46.253 ug/l m
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF061023.D
 Acq: 14 Dec 2018 16:41

Instrument :
 MSVOA_F
 ClientSampled :
 TP-3-B

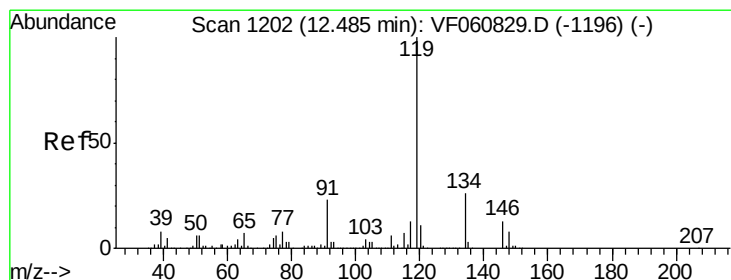
Tgt Ion	Ratio	Lower	Upper
105	100		
134	28.1	9.5	28.5

Manual Integrations
 APPROVED



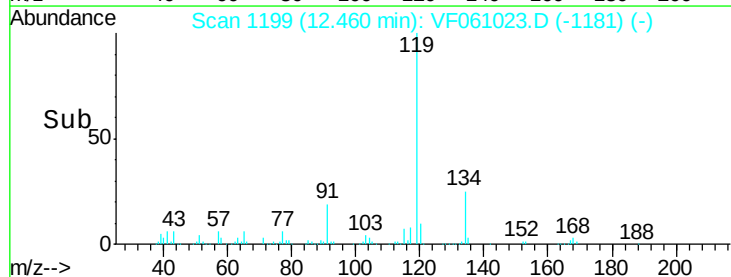
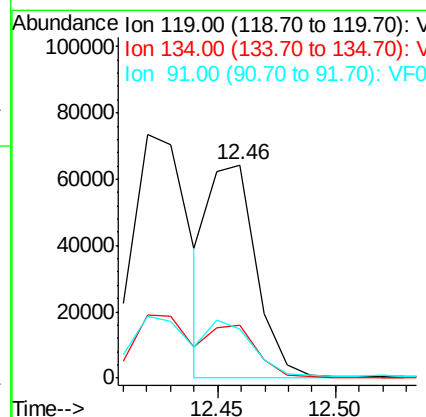
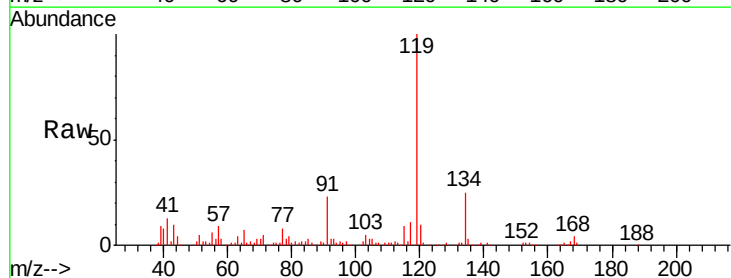
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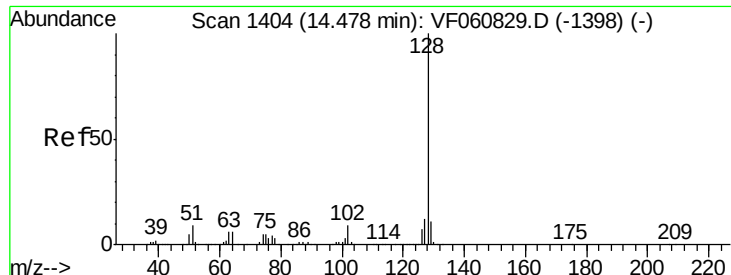
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#86
 p-Isopropyltoluene
 Concen: 581.152 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061023.D
 Acq: 14 Dec 2018 16:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	22.8	11.8	35.3



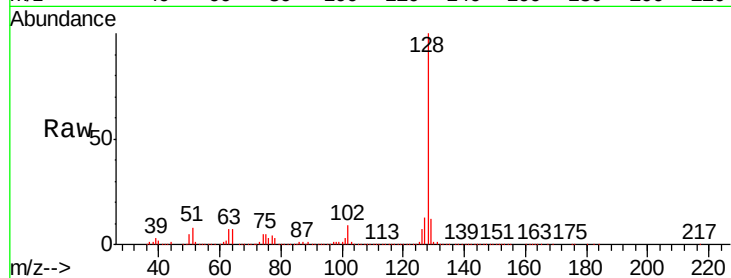


#95
Naphthalene
Concen: 12074.923 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061023.D
Acq: 14 Dec 2018 16:41

Instrument :
MSVOA_F
ClientSampleId :
TP-3-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.6	9.9	14.9
129	11.9	9.1	13.7

Manual Integrations
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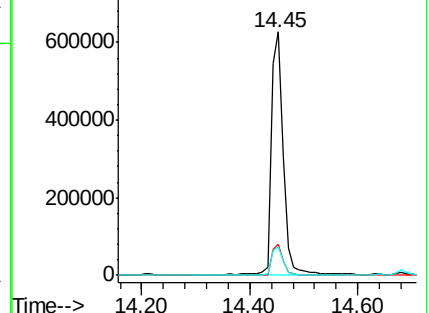
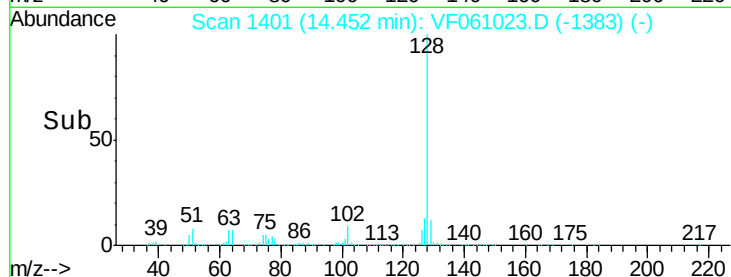


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



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