

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061022.D
 Acq On : 14 Dec 2018 16:13
 Operator : VA/AP
 Sample : J6403-17RE
 Misc : 4.7g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3-ARE

Manual Integrations
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Quant Time: Dec 15 00:58:19 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	118386	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	234949	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	173495	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	47030	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	92962	66.66	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	133.32%	
35) Dibromofluoromethane	4.11	113	102739	55.12	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.24%	
50) Toluene-d8	7.54	98	218117	39.73	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	79.46%	
62) 4-Bromofluorobenzene	11.41	95	97143	38.93	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	77.86%	
Target Compounds						
16) Acetone	2.24	43	21860	85.000	ug/l	Qvalue 94
25) 2-Butanone	4.33	43	5703	12.821	ug/l	96
39) Methylcyclohexane	5.44	83	6444	2.360	ug/l #	85
40) Benzene	4.62	78	19719	3.425	ug/l #	86
52) Toluene	7.62	92	26365	6.520	ug/l	93
67) Ethyl Benzene	9.89	91	287602	45.771	ug/l	96
68) m/p-Xylenes	10.13	106	44700	19.779	ug/l	93
69) o-Xylene	10.71	106	87459	35.095	ug/l	96
70) Styrene	10.79	104	15727	4.553	ug/l	100
73) Isopropylbenzene	11.12	105	202421	54.464	ug/l	98
78) n-propylbenzene	11.59	91	52697	12.108	ug/l	94
80) 1,3,5-Trimethylbenzene	11.82	105	548942	181.940	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	1459633	484.734	ug/l	97
85) sec-Butylbenzene	12.30	105	36872m	8.764	ug/l	
86) p-Isopropyltoluene	12.45	119	352583m	99.957	ug/l	
95) Naphthalene	14.47	128	6043528	3260.832	ug/l #	81

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

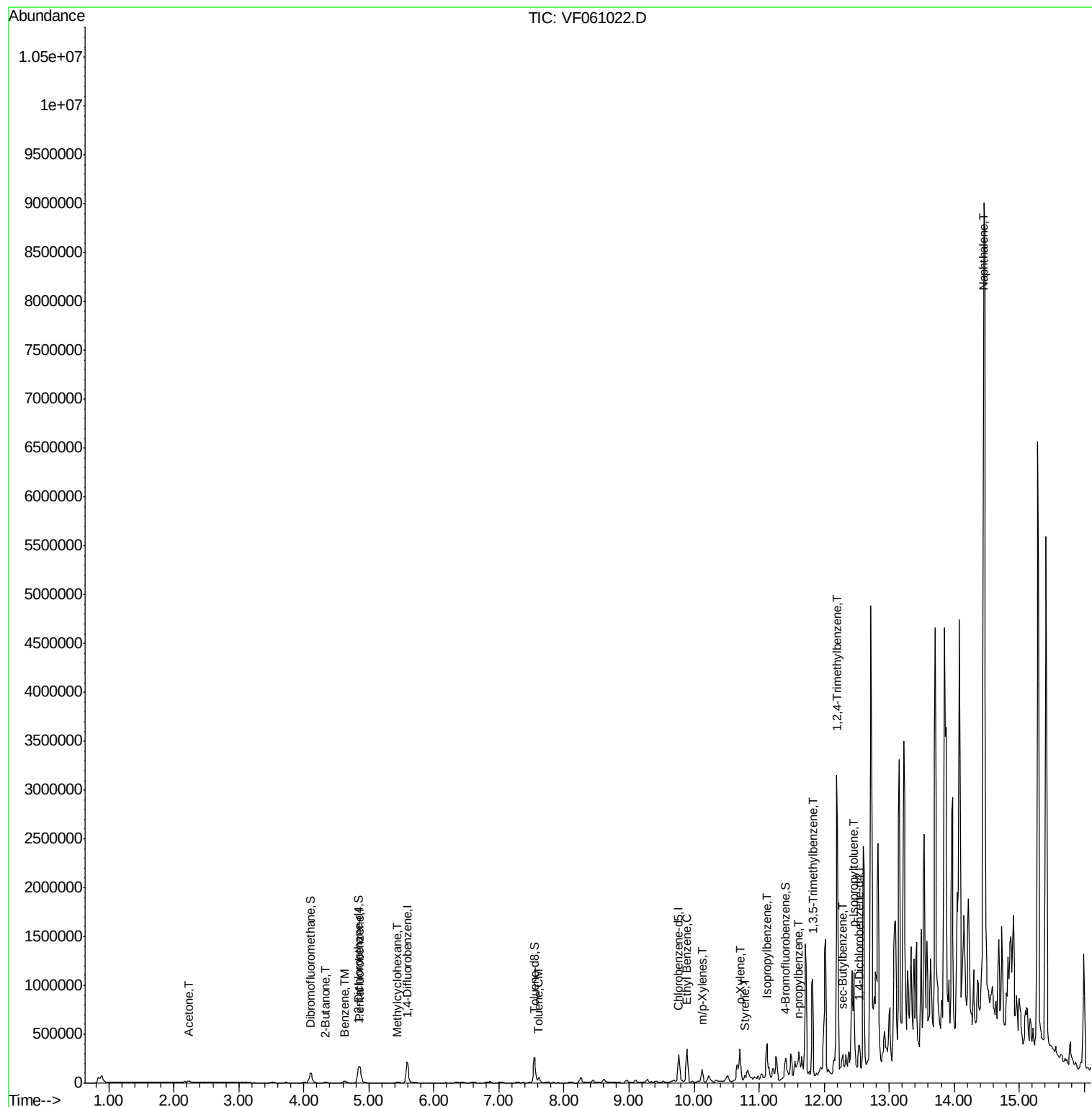
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
Data File : VF061022.D
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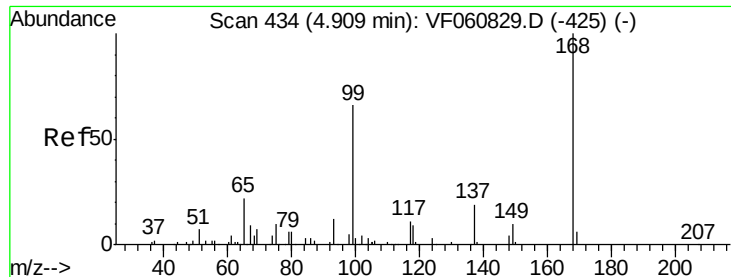
Instrument :
MSVOA_F
ClientSampleId :
TP-3-ARE

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Quant Time: Dec 15 00:58:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
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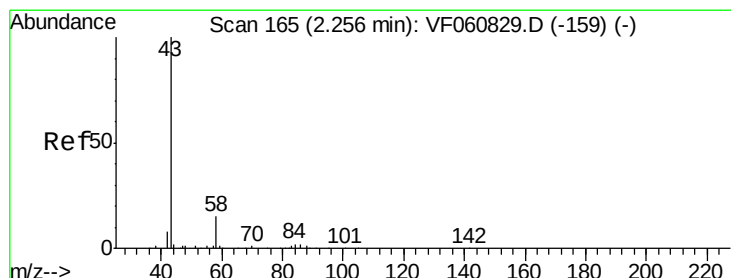
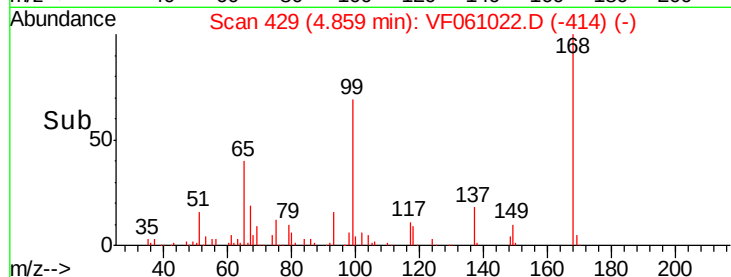
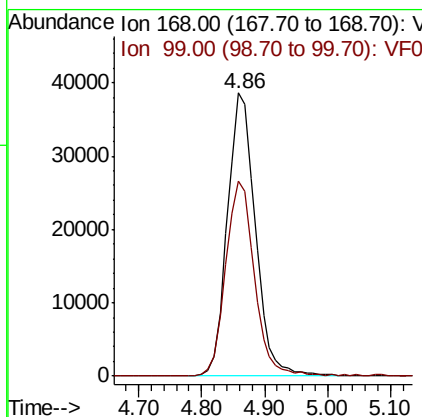
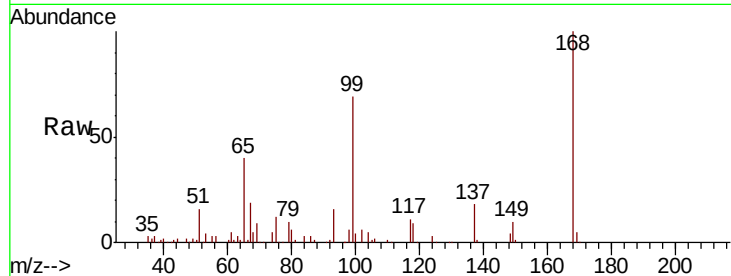
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.05 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
TP-3-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	118386		
99	68.7	52.6	79.0	

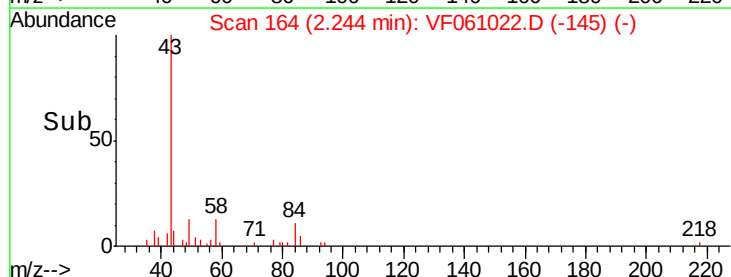
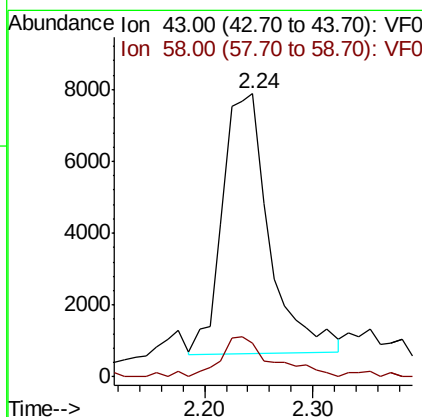
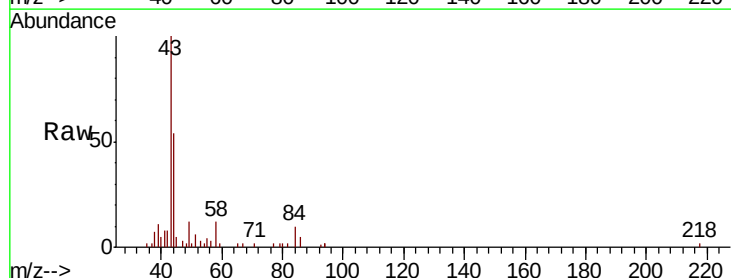
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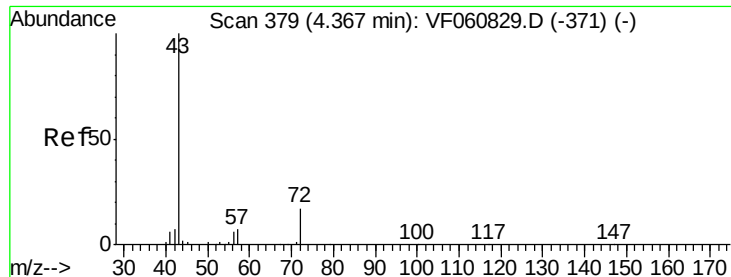
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#16
Acetone
Concen: 85.000 ug/l
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	21860		
58	11.8	11.4	17.2	





#25

2-Butanone

Concen: 12.821 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Instrument :

MSVOA_F

ClientSampled :

TP-3-ARE

Tgt Ion: 43 Resp: 5703

Ion Ratio Lower Upper

43 100

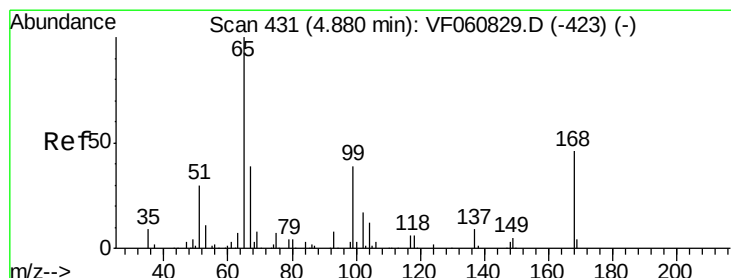
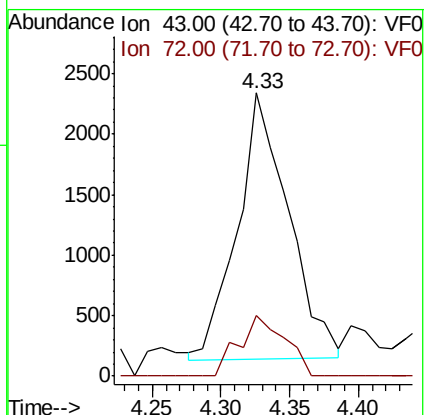
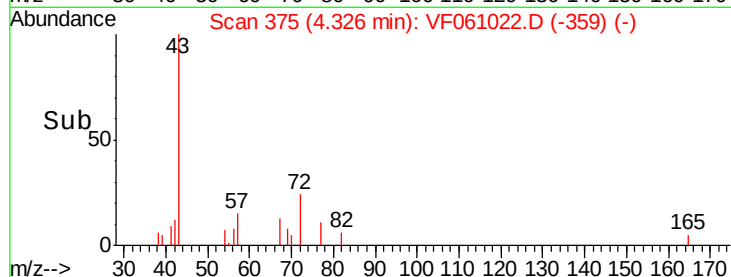
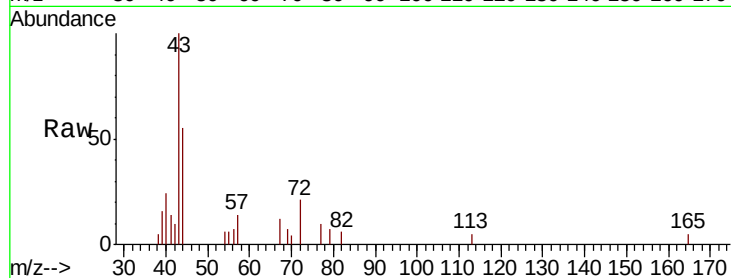
72 21.2 15.4 23.2

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#33

1,2-Dichloroethane-d4

Concen: 66.657 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061022.D

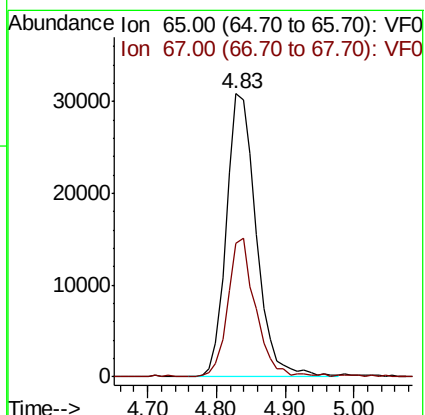
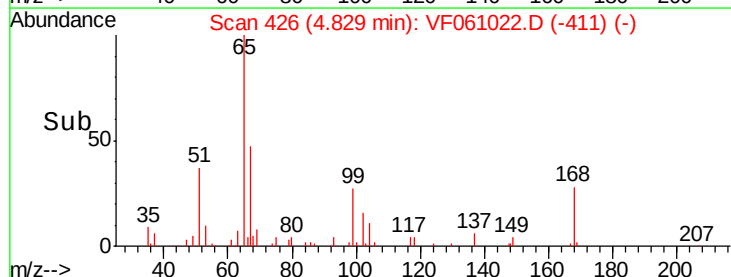
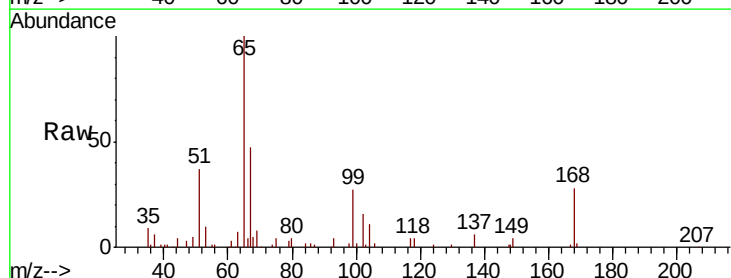
Acq: 14 Dec 2018 16:13

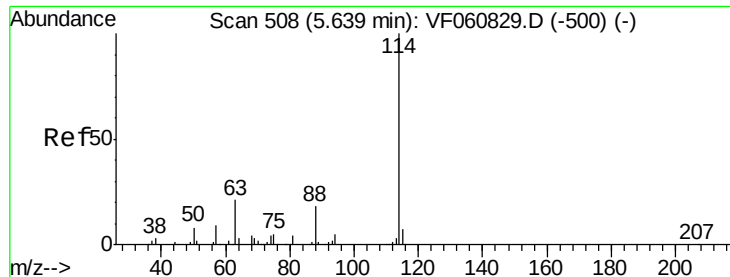
Tgt Ion: 65 Resp: 92962

Ion Ratio Lower Upper

65 100

67 47.4 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Instrument :

MSVOA_F

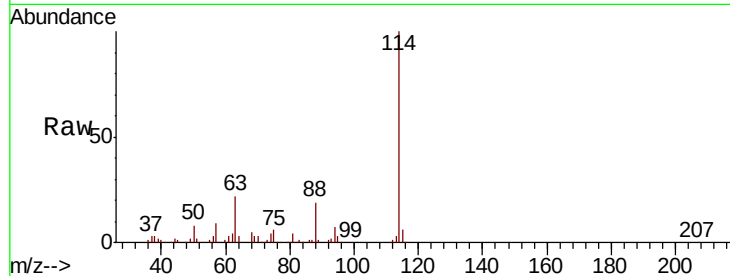
ClientSampleId :

TP-3-ARE

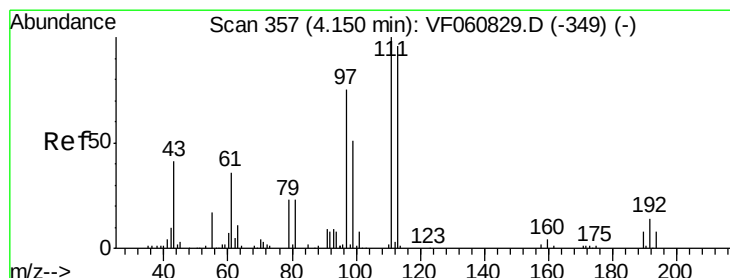
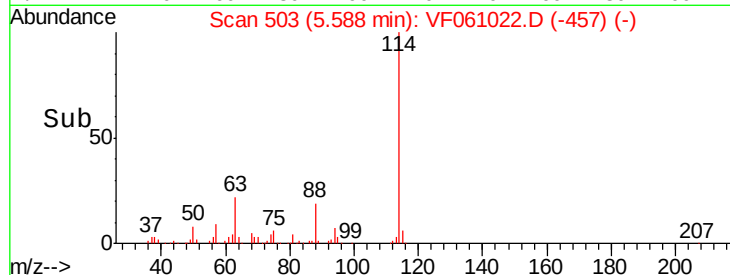
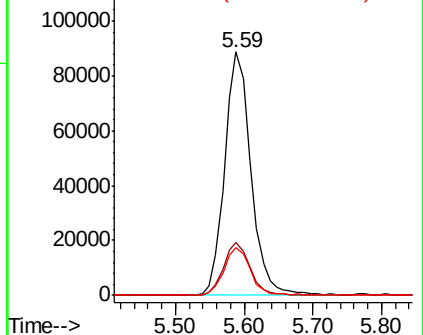
Tgt Ion	Ratio	Resp	Lower	Upper
114	100	234949		
63	21.7	0.0	41.6	
88	19.5	0.0	36.6	

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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: 55.120 ug/l

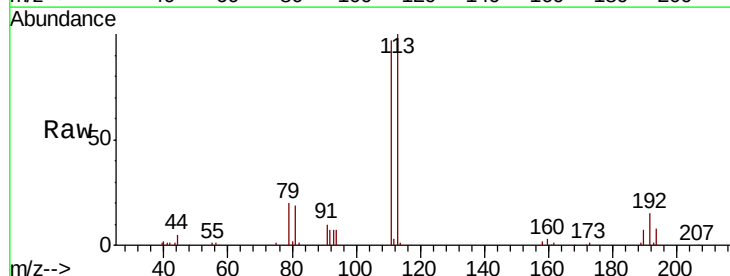
RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

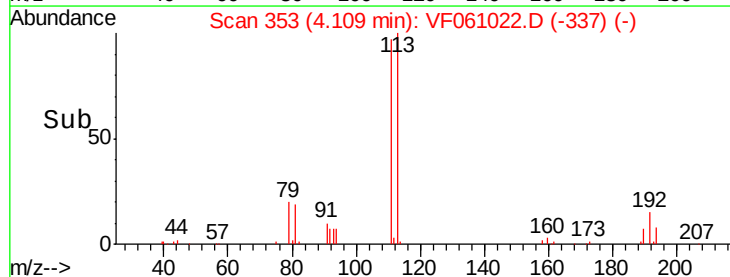
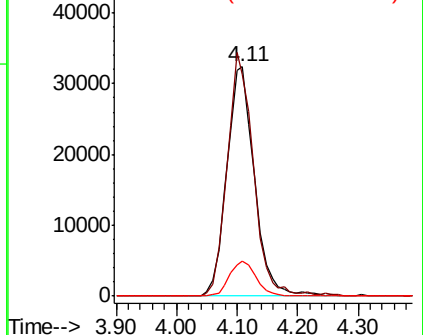
Lab File: VF061022.D

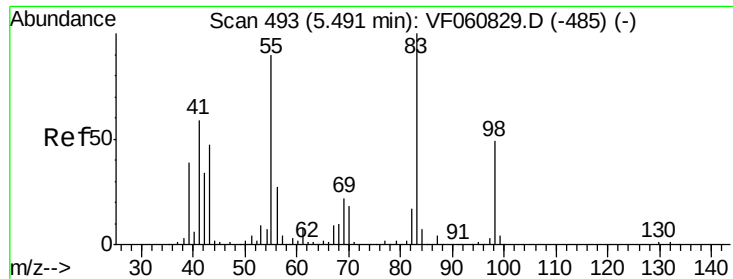
Acq: 14 Dec 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	102739		
111	97.0	83.0	124.6	
192	15.4	12.3	18.5	



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V





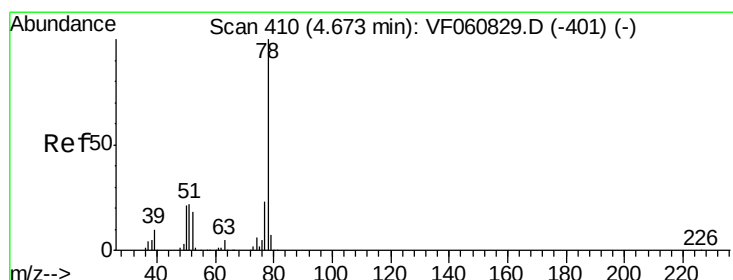
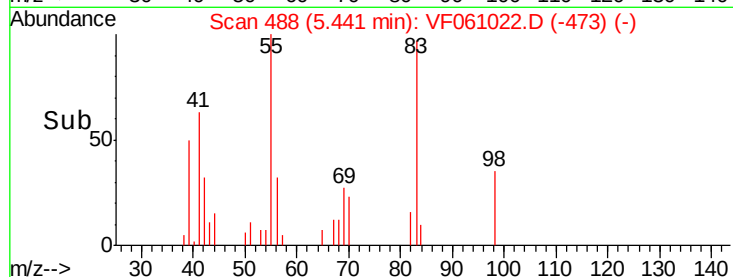
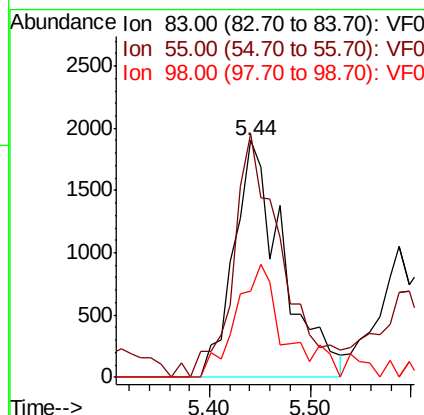
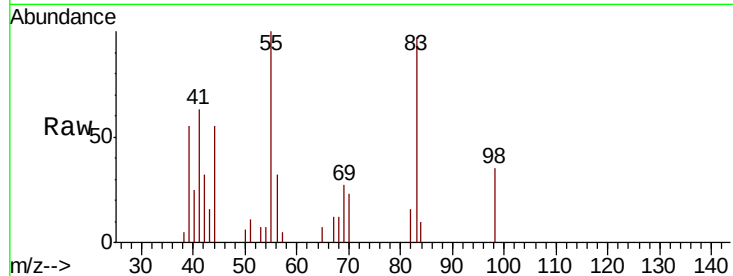
#39
Methylcyclohexane
Concen: 2.360 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
TP-3-ARE

Tgt Ion	Ratio	Lower	Upper
83	100		
55	102.9	72.1	108.1
98	36.4	39.1	58.7#

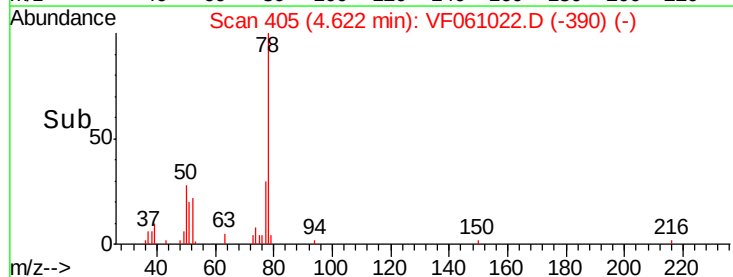
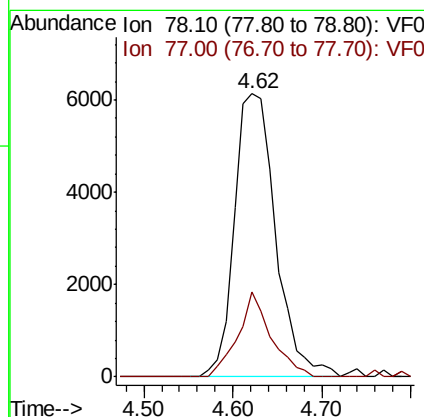
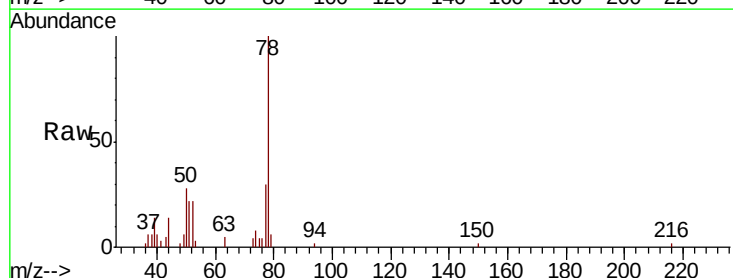
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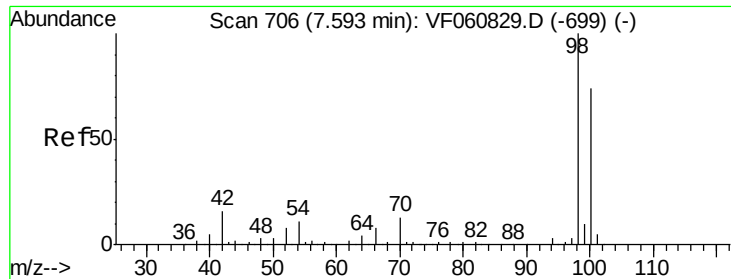
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#40
Benzene
Concen: 3.425 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.2	18.7	28.1#





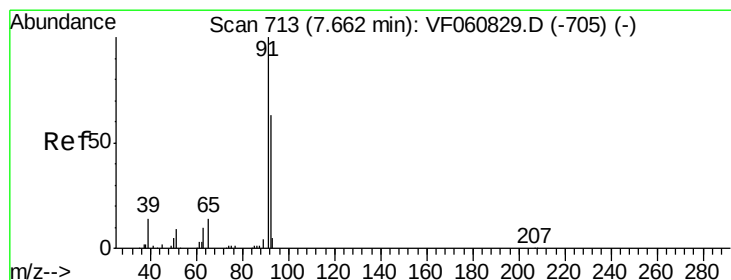
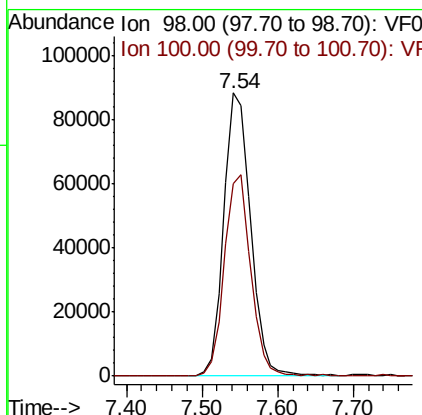
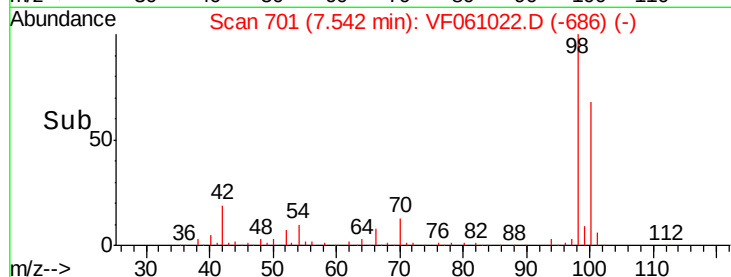
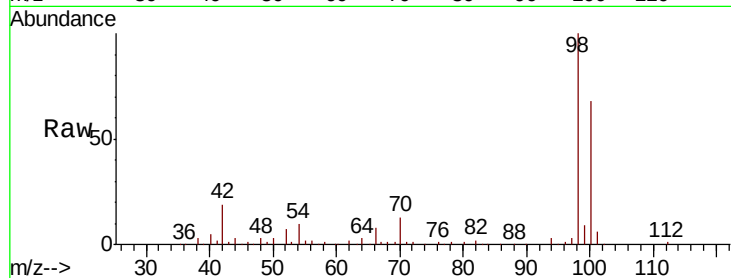
#50
Toluene-d8
Concen: 39.726 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
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Tgt Ion: 98 Resp: 218117
Ion Ratio Lower Upper
98 100
100 68.2 59.3 88.9

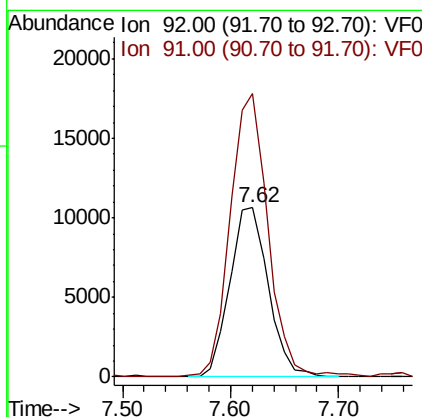
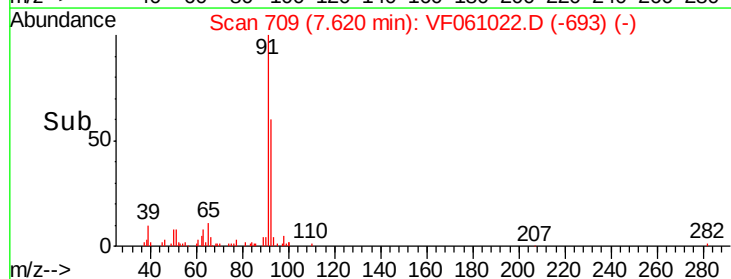
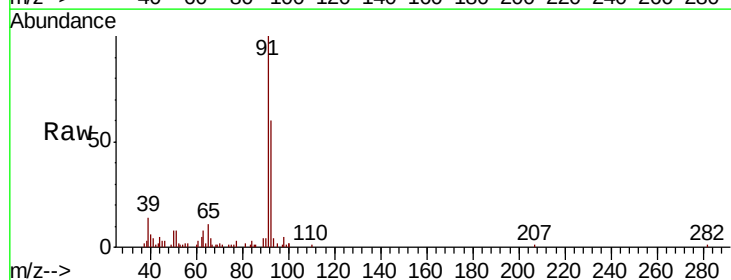
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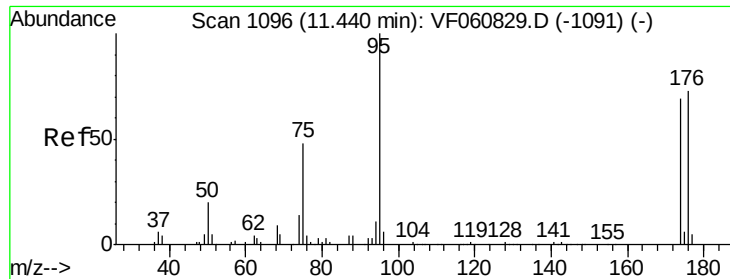
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#52
Toluene
Concen: 6.520 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.04 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Tgt Ion: 92 Resp: 26365
Ion Ratio Lower Upper
92 100
91 167.5 126.2 189.2





#62

4-Bromofluorobenzene

Concen: 38.929 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Instrument :

MSVOA_F

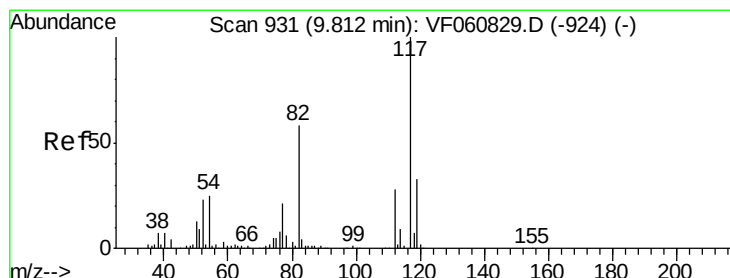
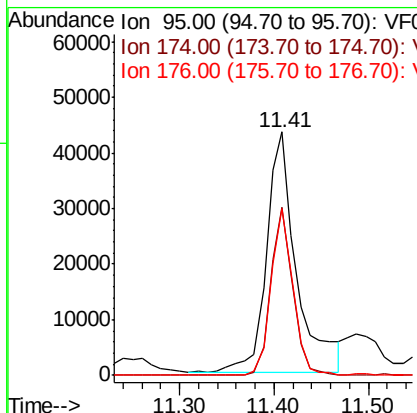
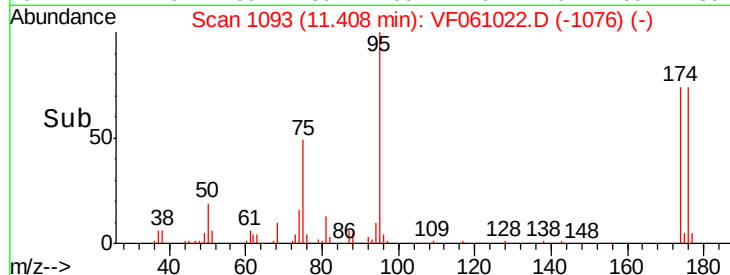
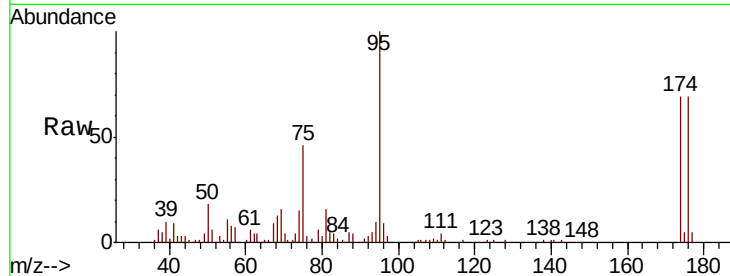
ClientSampled :

TP-3-ARE

Tgt Ion:	95	Resp:	97143
Ion Ratio	Lower	Upper	
95	100		
174	68.9	0.0	138.2
176	68.6	0.0	146.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

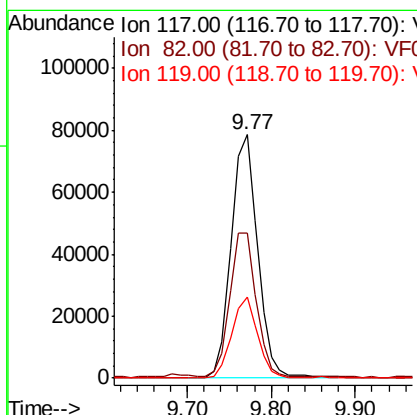
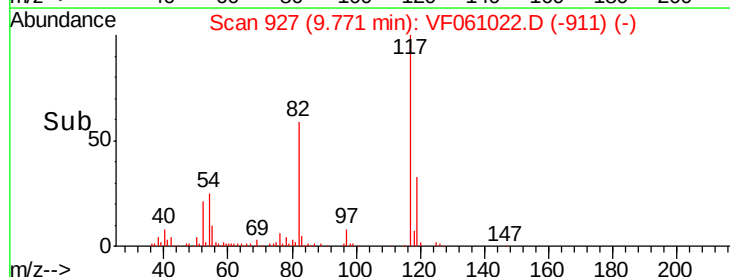
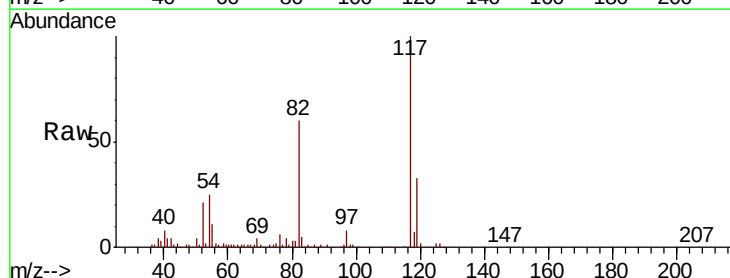
RT: 9.77 min Scan# 927

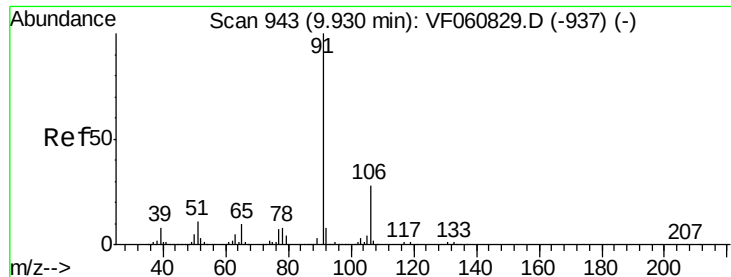
Delta R.T. -0.04 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Tgt Ion:	117	Resp:	173495
Ion Ratio	Lower	Upper	
117	100		
82	59.6	46.6	69.8
119	33.4	26.4	39.6





#67

Ethyl Benzene

Concen: 45.771 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

TP-3-ARE

Tgt Ion: 91 Resp: 287602

Ion Ratio Lower Upper

91 100

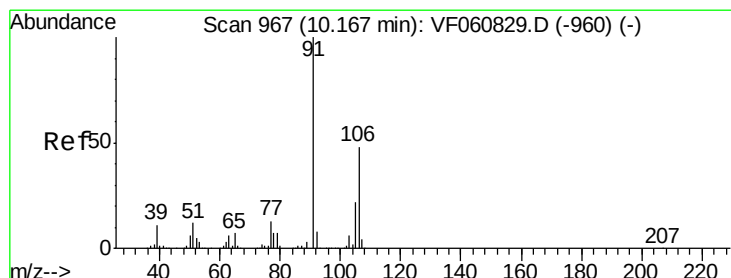
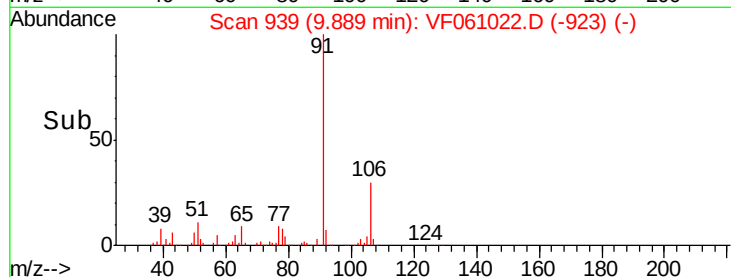
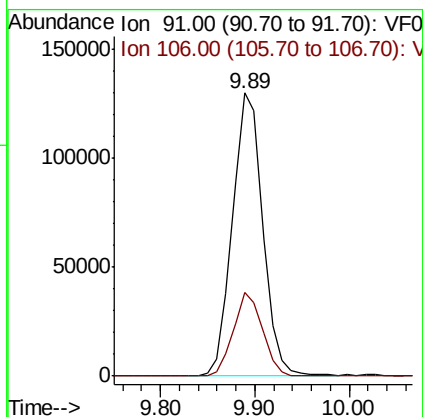
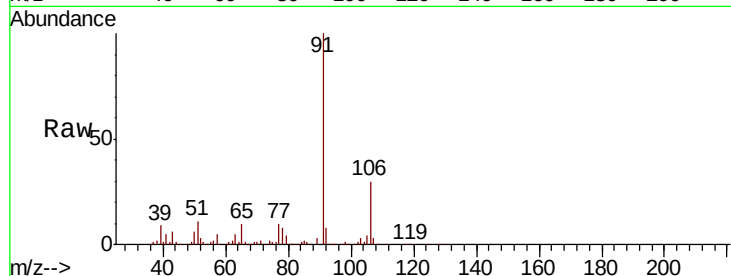
106 29.7 22.2 33.2

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#68

m/p-Xylenes

Concen: 19.779 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF061022.D

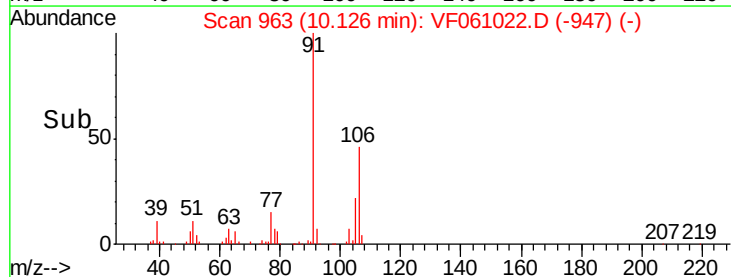
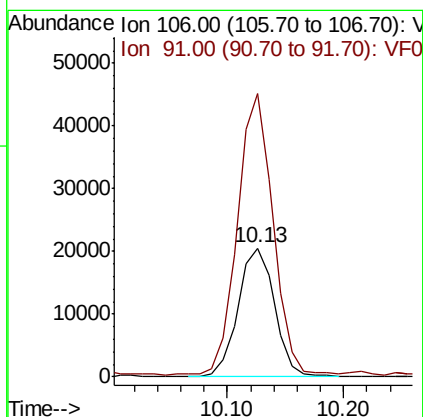
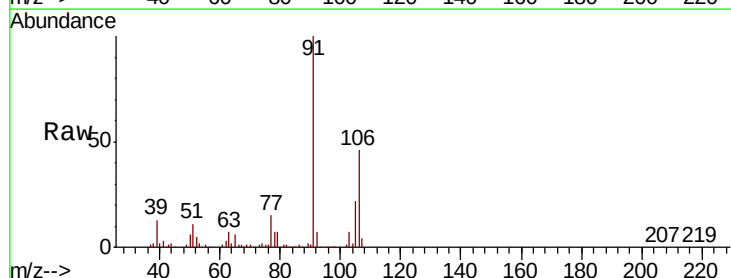
Acq: 14 Dec 2018 16:13

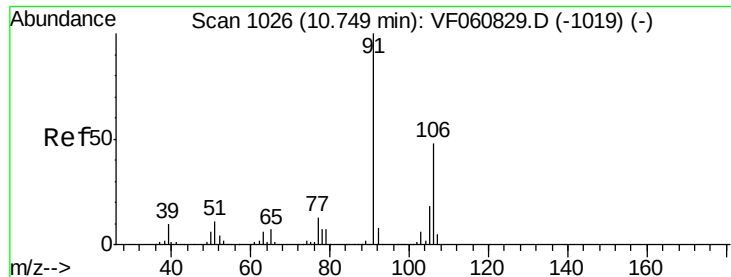
Tgt Ion: 106 Resp: 44700

Ion Ratio Lower Upper

106 100

91 219.6 166.7 250.1





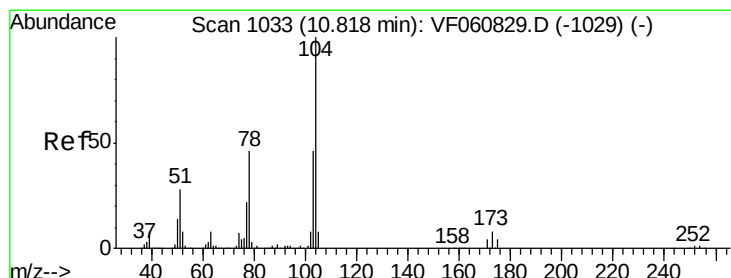
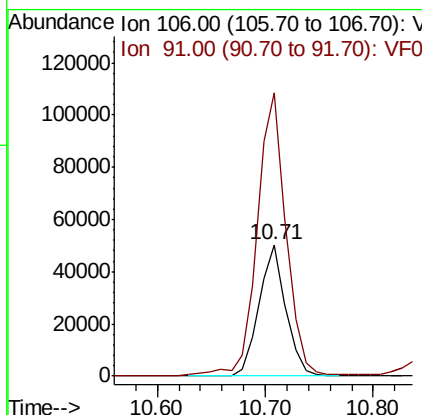
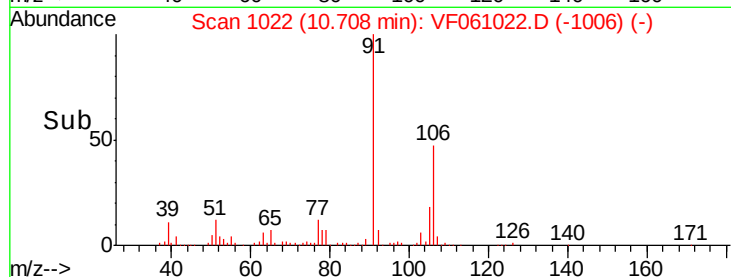
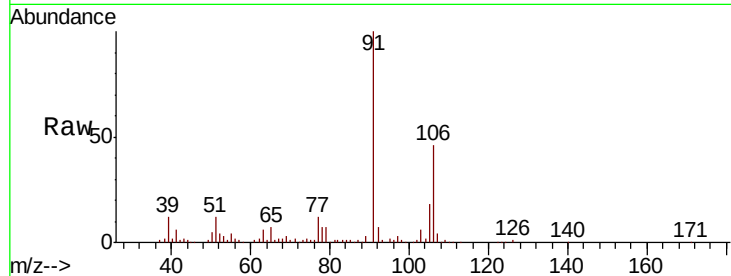
#69
o-Xylene
Concen: 35.095 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
TP-3-ARE

Tgt Ion:106 Resp: 87459
Ion Ratio Lower Upper
106 100
91 215.8 104.8 314.6

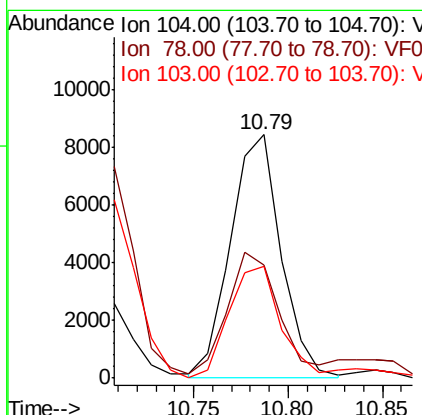
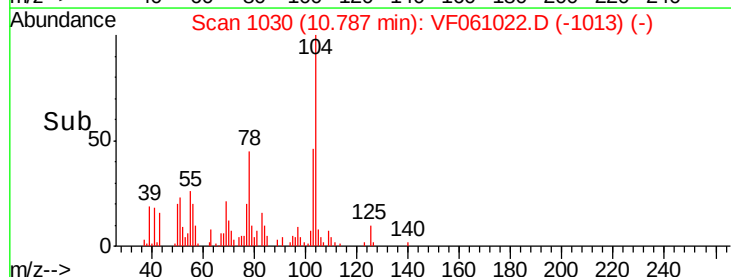
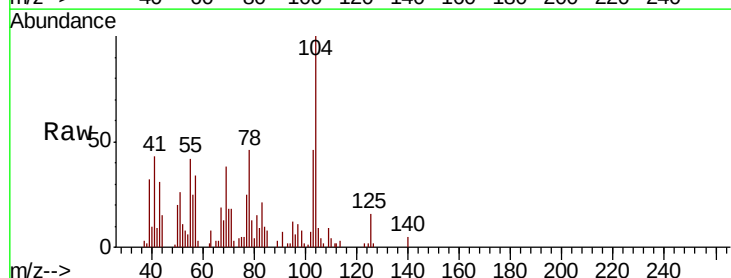
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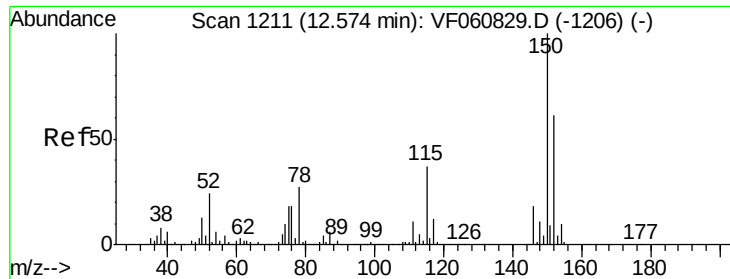
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#70
Styrene
Concen: 4.553 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Tgt Ion:104 Resp: 15727
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 45.9 36.8 55.2





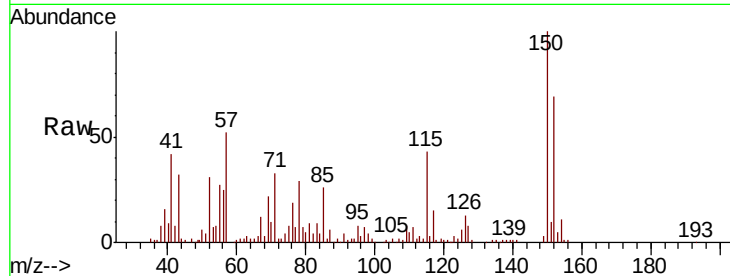
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061022.D
 Acq: 14 Dec 2018 16:13

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3-ARE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	30.1	90.5
150	145.9	0.0	327.6

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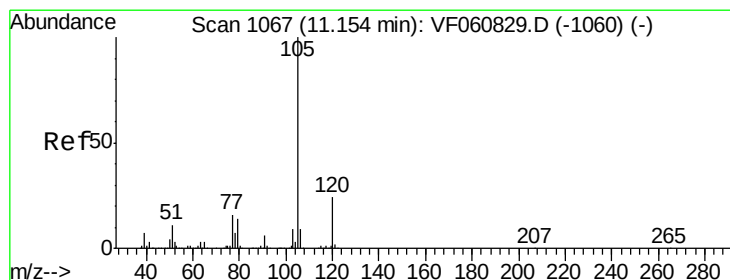
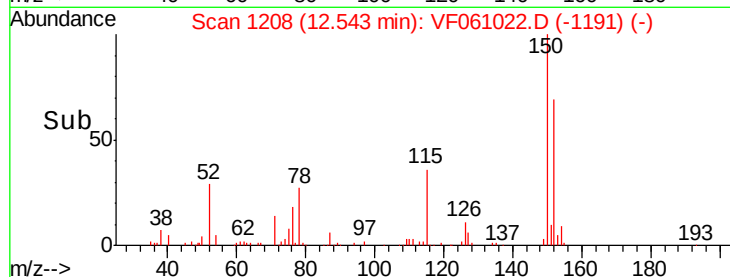
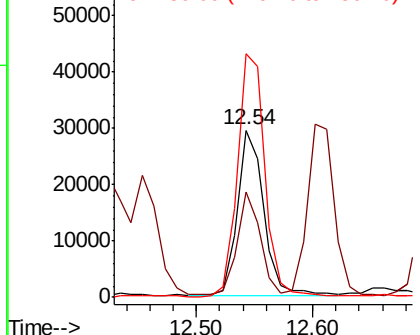


Abundance

Ion 152.00 (151.70 to 152.70): V

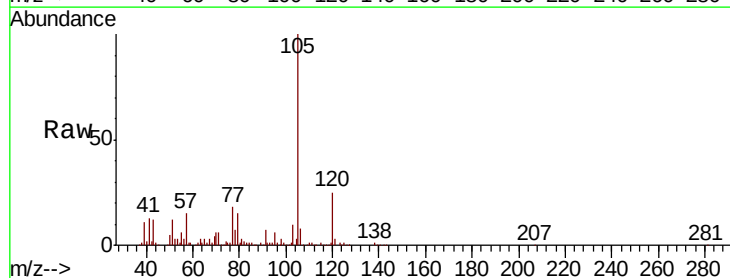
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73
 Isopropylbenzene
 Concen: 54.464 ug/l
 RT: 11.12 min Scan# 1064
 Delta R.T. -0.03 min
 Lab File: VF061022.D
 Acq: 14 Dec 2018 16:13

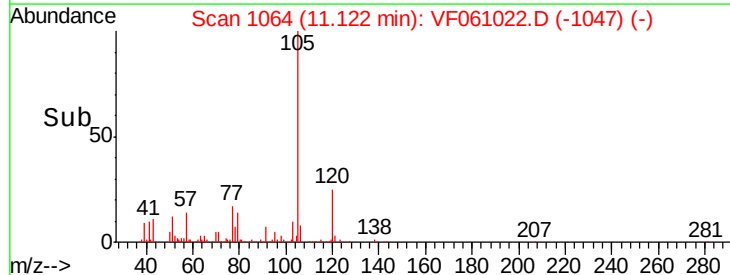
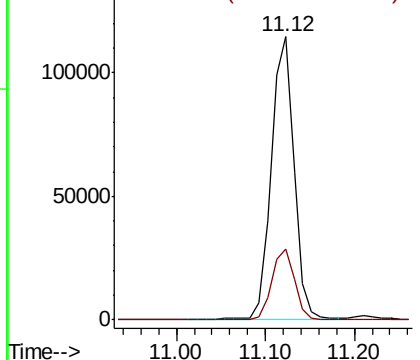
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.2	36.4

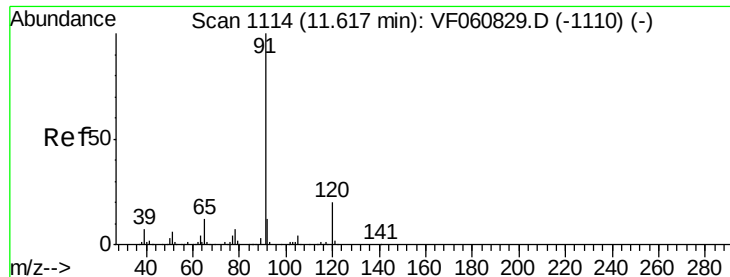


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.108 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF061022.D

Acq: 14 Dec 2018 16:13

Instrument :

MSVOA_F

ClientSampleId :

TP-3-ARE

Tgt Ion: 91 Resp: 52697

Ion Ratio Lower Upper

91 100

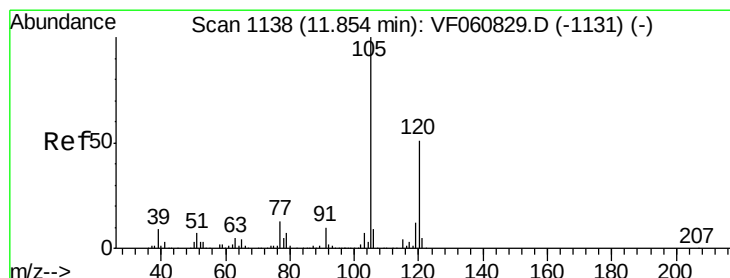
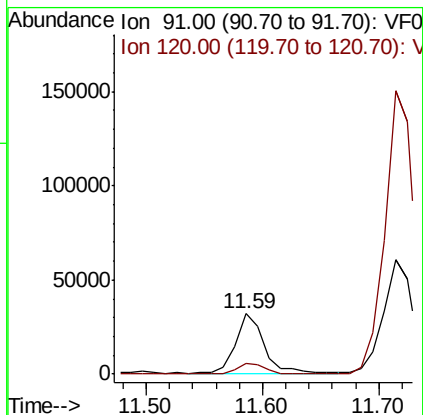
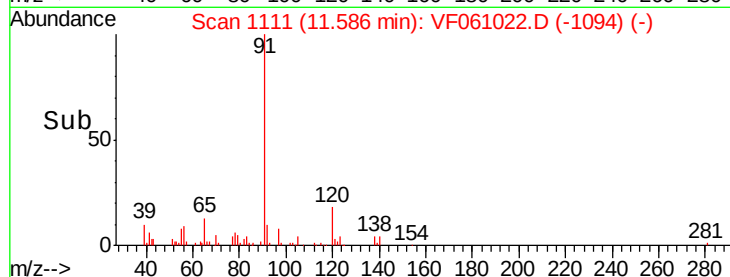
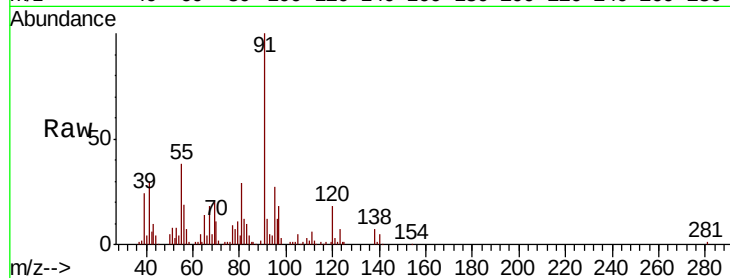
120 17.6 10.3 30.8

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#80

1,3,5-Trimethylbenzene

Concen: 181.940 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF061022.D

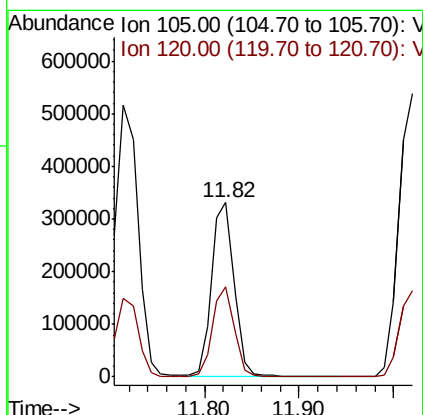
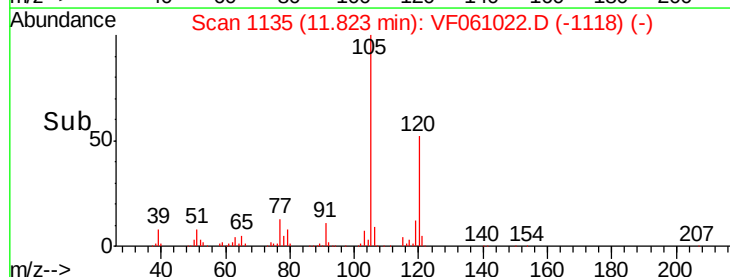
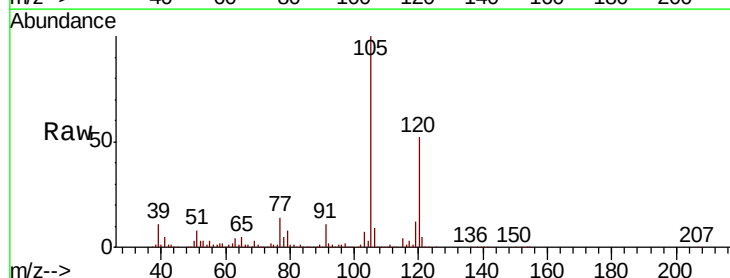
Acq: 14 Dec 2018 16:13

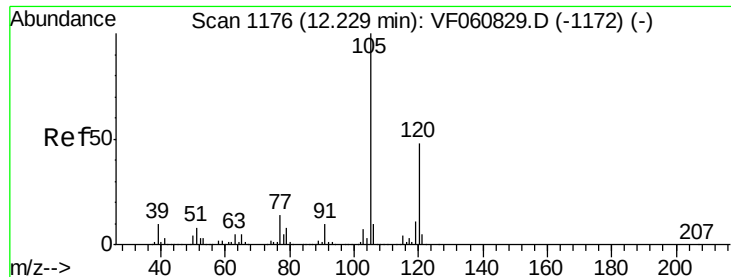
Tgt Ion: 105 Resp: 548942

Ion Ratio Lower Upper

105 100

120 51.8 25.8 77.3





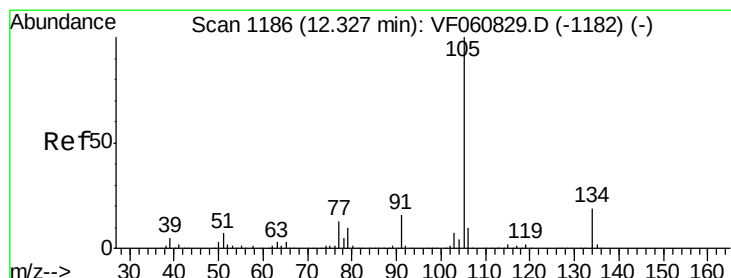
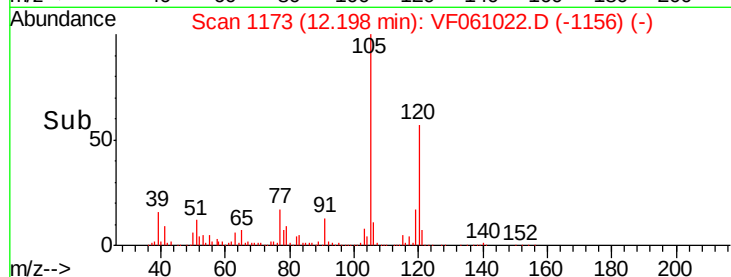
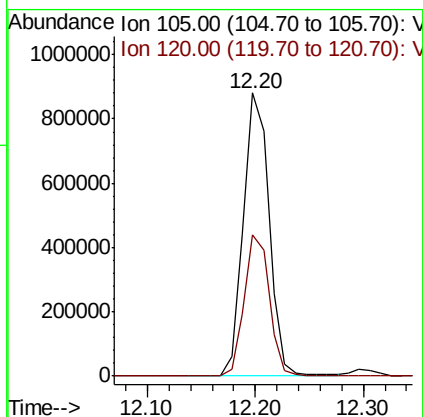
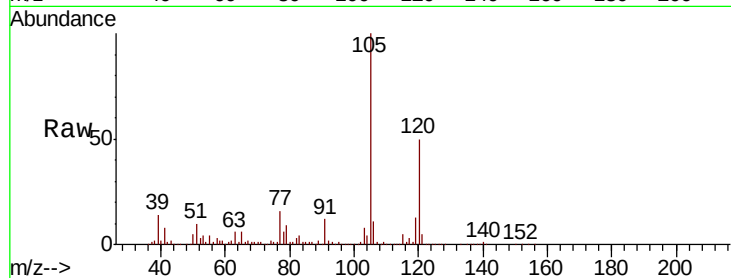
#84
 1,2,4-Trimethylbenzene
 Concen: 484.734 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF061022.D
 Acq: 14 Dec 2018 16:13

Instrument :
 MSVOA_F
 ClientSampled :
 TP-3-ARE

Tgt Ion:105 Resp: 1459633
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.8 71.5

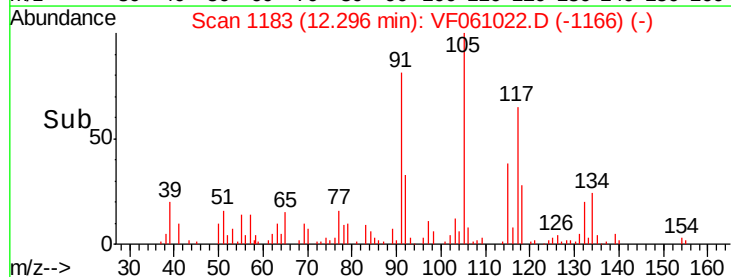
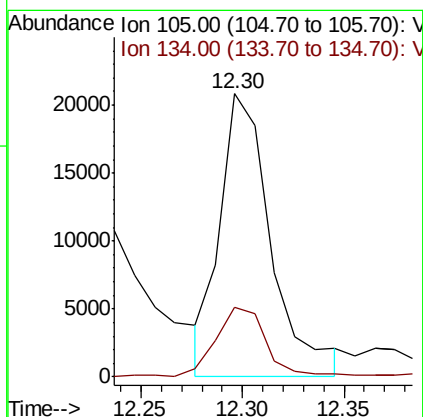
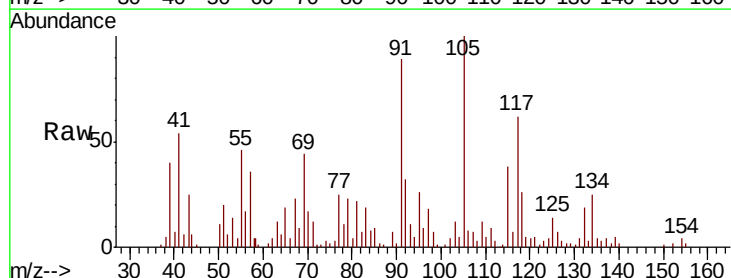
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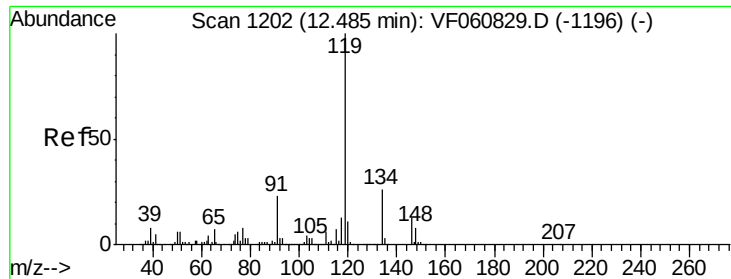
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#85
 sec-Butylbenzene
 Concen: 8.764 ug/l m
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF061022.D
 Acq: 14 Dec 2018 16:13

Tgt Ion:105 Resp: 36872
 Ion Ratio Lower Upper
 105 100
 134 24.7 9.5 28.5





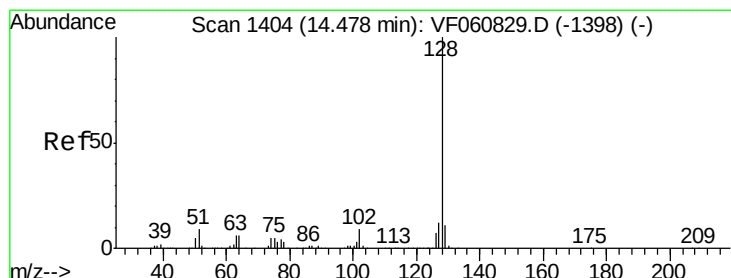
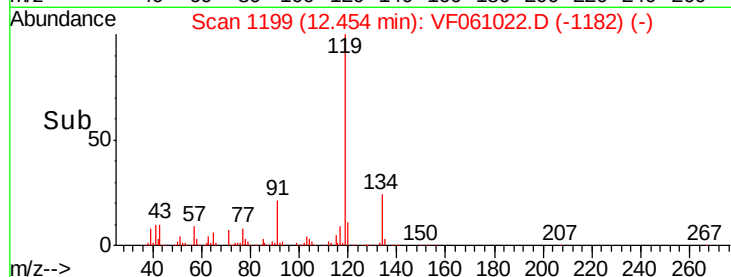
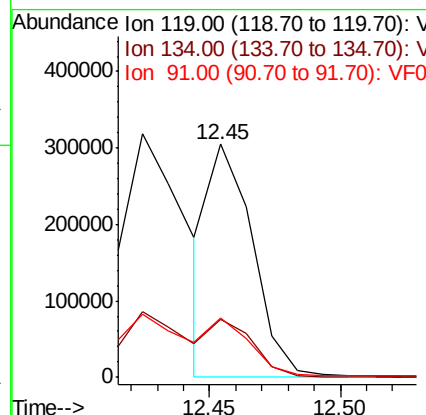
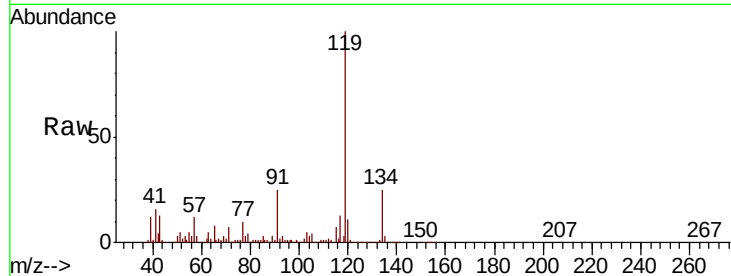
#86
p-Isopropyltoluene
Concen: 99.957 ug/l m
RT: 12.45 min Scan# 1199
Delta R.T. -0.03 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Instrument :
MSVOA_F
ClientSampleId :
TP-3-ARE

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	25.3	11.8	35.3

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#95
Naphthalene
Concen: 3260.832 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061022.D
Acq: 14 Dec 2018 16:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.8	9.9	14.9#
129	19.5	9.1	13.7#

