

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060778.D
 Acq On : 16 Nov 2018 21:43
 Operator : VA/AP
 Sample : J5950-02
 Misc : 4.23q/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

Manual Integrations
 APPROVED

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Quant Time: Nov 17 05:50:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	98045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	193519	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	65525	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	23722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	68678	61.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.82%	
35) Dibromofluoromethane	4.13	113	70592	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	7.57	98	221878	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
62) 4-Bromofluorobenzene	11.45	95	143860m	86.53	ug/l	0.03
Spiked Amount	50.000		Recovery	=	173.06%	
Target Compounds						
					Qvalue	
16) Acetone	2.24	43	46288	193.647	ug/l	100
31) Cyclohexane	3.76	56	762561	383.600	ug/l	90
39) Methylcyclohexane	5.48	83	2558732	982.697	ug/l	98
40) Benzene	4.65	78	691737	138.265	ug/l	97
52) Toluene	7.64	92	18992	5.665	ug/l #	65
67) Ethyl Benzene	9.95	91	5618720	2254.377	ug/l	89
68) m/p-Xylenes	10.16	106	60499	67.923	ug/l #	64
69) o-Xylene	10.75	106	78318	78.209	ug/l	46
73) Isopropylbenzene	11.15	105	2375569	1244.107	ug/l	96
78) n-propylbenzene	11.64	91	4860810	2182.710	ug/l	89
80) 1,3,5-Trimethylbenzene	11.86	105	2591435	1709.454	ug/l	97
83) tert-Butylbenzene	12.17	119	129319	80.343	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.26	105	10364920	6611.038	ug/l	75
85) sec-Butylbenzene	12.35	105	2498576	1144.336	ug/l	84
86) p-Isopropyltoluene	12.50	119	1447685	793.867	ug/l #	85
89) n-Butylbenzene	12.88	91	2383153	1280.575	ug/l	92
95) Naphthalene	14.48	128	3074931	3148.176	ug/l #	87

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

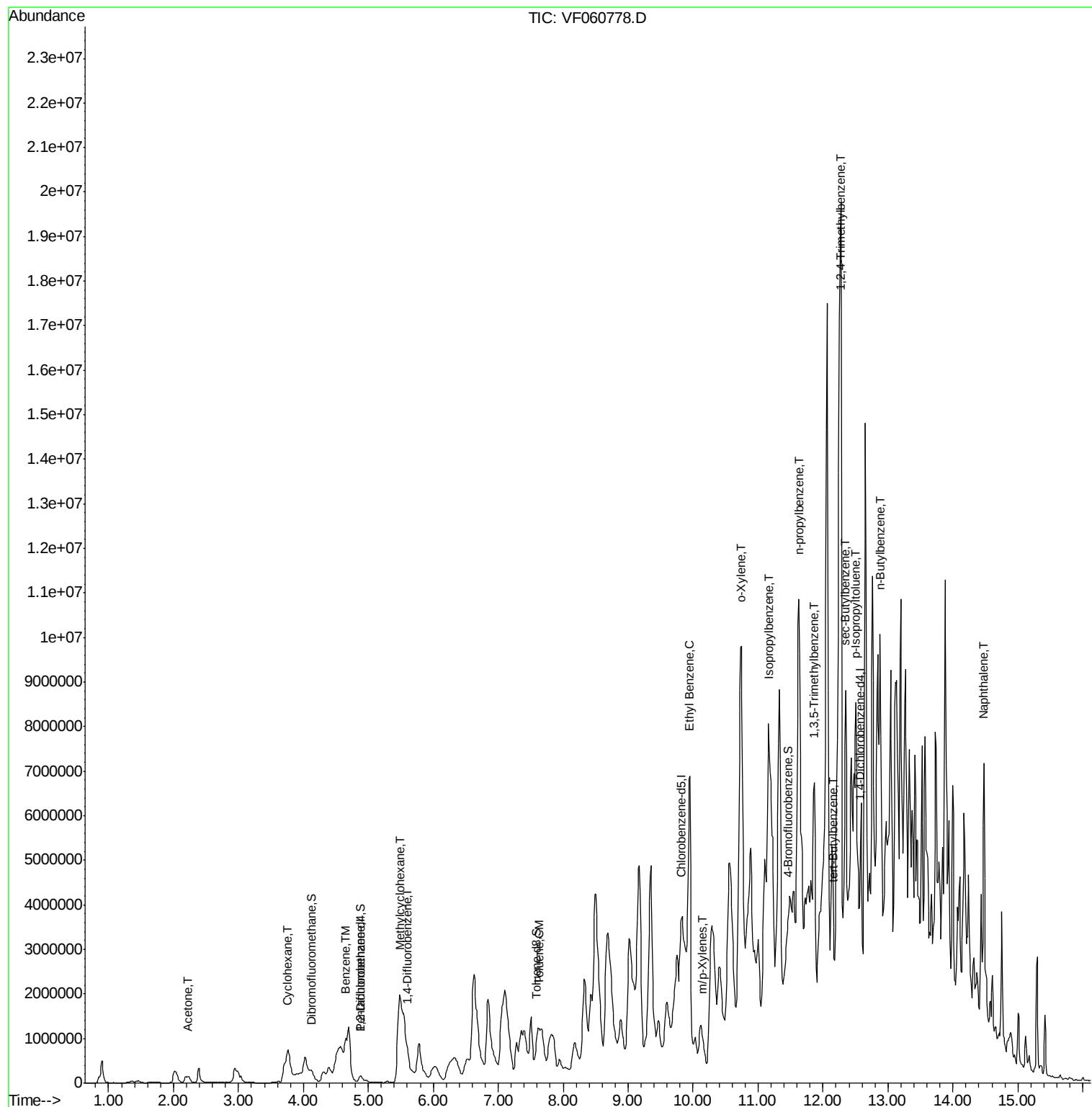
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

Tot Ion:168 Resp: 98045

Ion Ratio Lower Upper

168 100

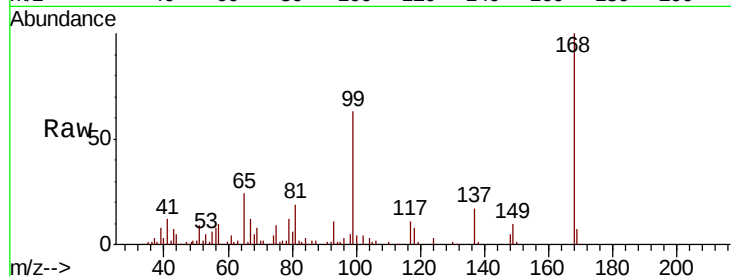
99 62.6 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

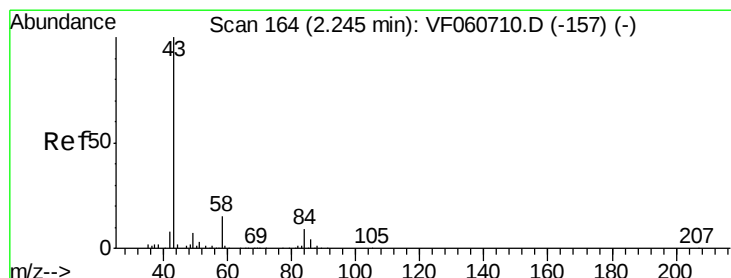
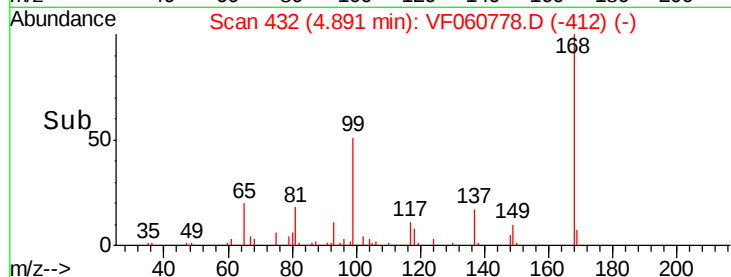
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 193.647 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060778.D

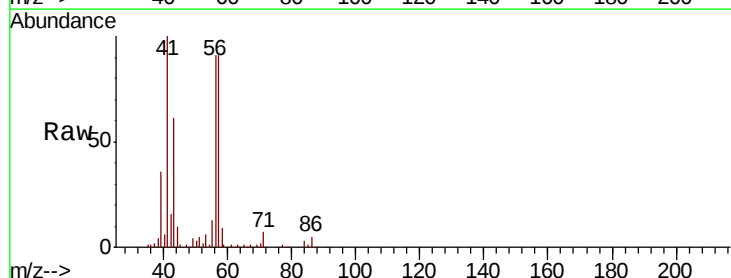
Acq: 16 Nov 2018 21:43

Tgt Ion: 43 Resp: 46288

Ion Ratio Lower Upper

43 100

58 14.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

50000

40000

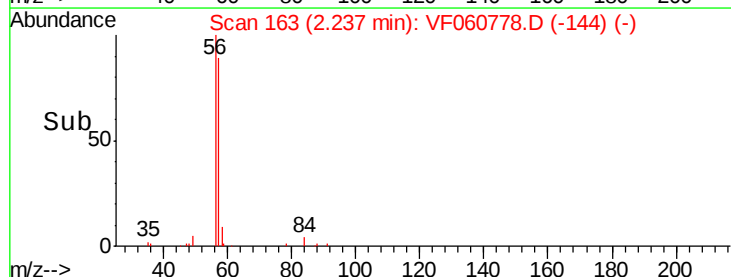
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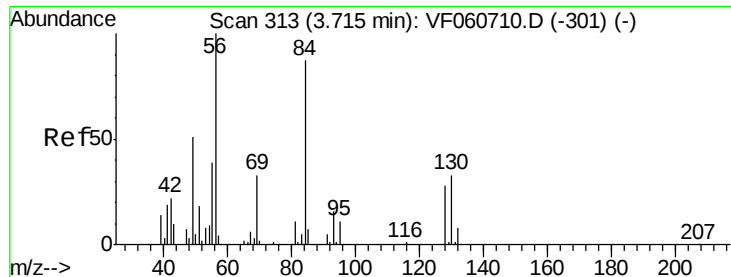
20000

10000

0

Time--> 2.15 2.20 2.25 2.30 2.35





#31

Cyclohexane

Concen: 383.600 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.04 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

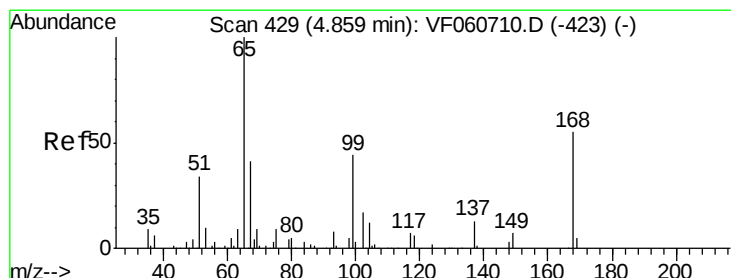
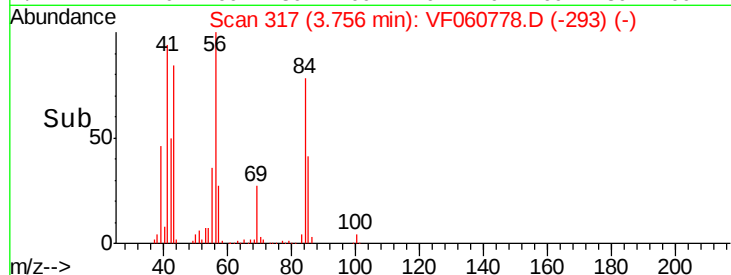
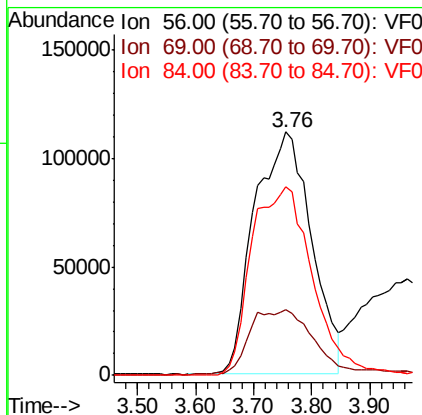
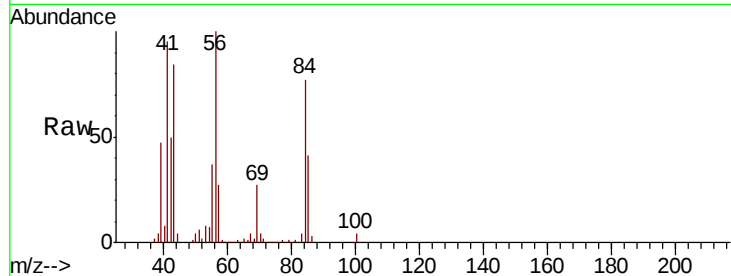
ClientSampled :

SSI-04

Tot Ion:	56	Resp:	762561
Ion Ratio	Lower	Upper	
56	100		
69	26.9	26.0	39.0
84	77.4	69.4	104.2

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#33

1,2-Dichloroethane-d4

Concen: 61.412 ug/l

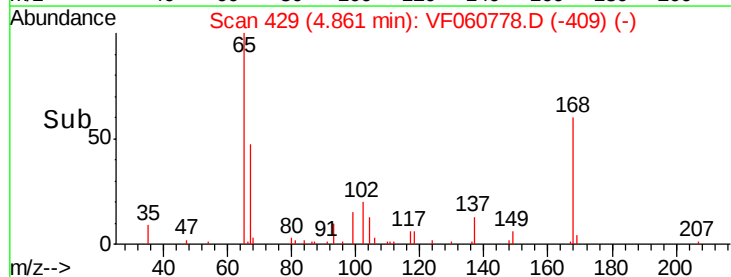
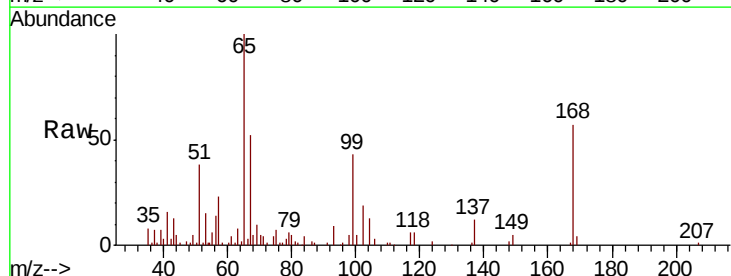
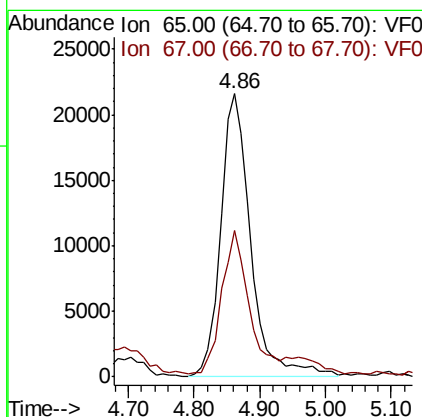
RT: 4.86 min Scan# 429

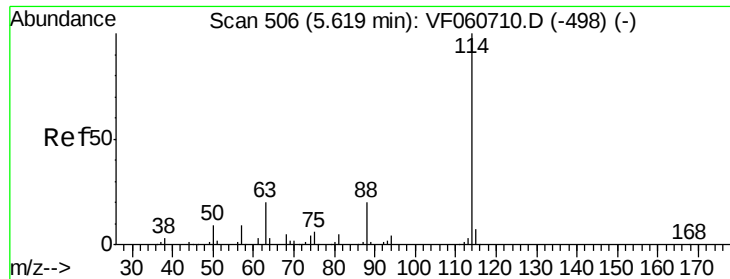
Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Tgt Ion:	65	Resp:	68678
Ion Ratio	Lower	Upper	
65	100		
67	51.5	0.0	90.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

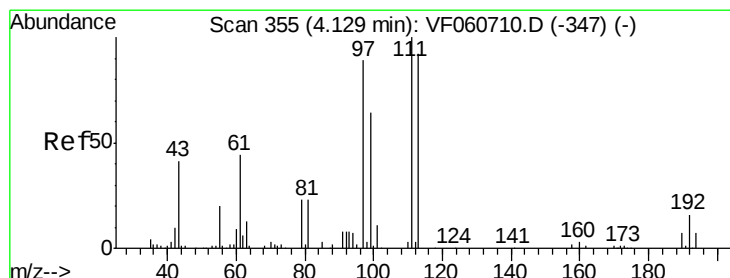
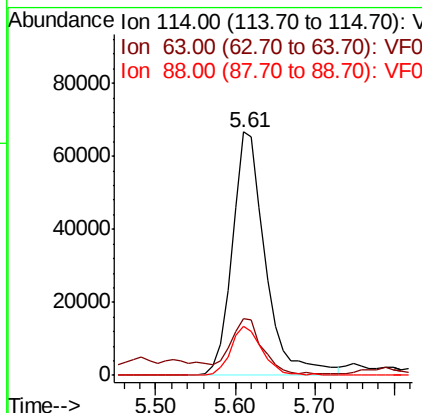
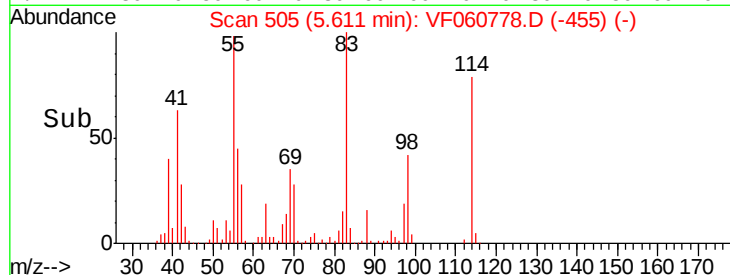
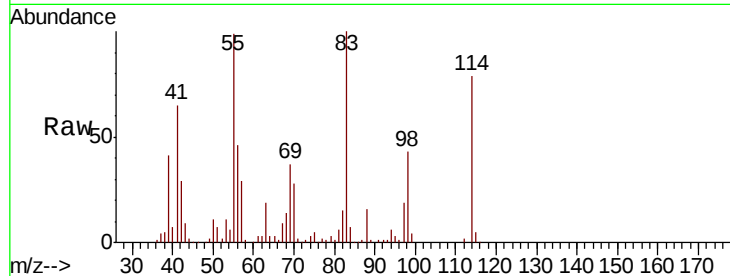
ClientSampled :

SSI-04

Tot Ion:	114	Resp:	193519
Ion Ratio	Lower	Upper	
114	100		
63	23.5	0.0	40.8
88	19.9	0.0	39.6

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#35

Dibromofluoromethane

Concen: 48.528 ug/l

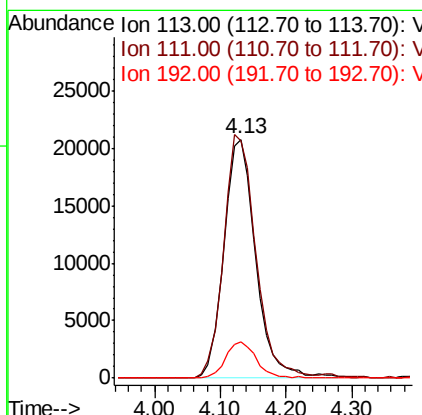
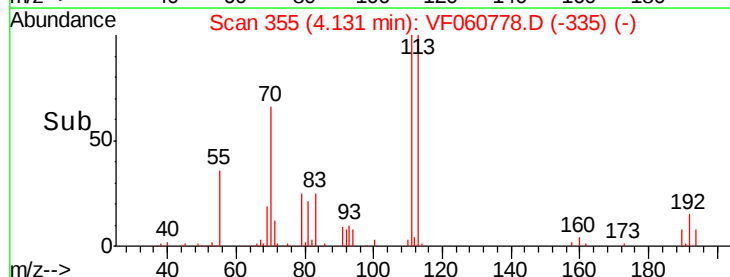
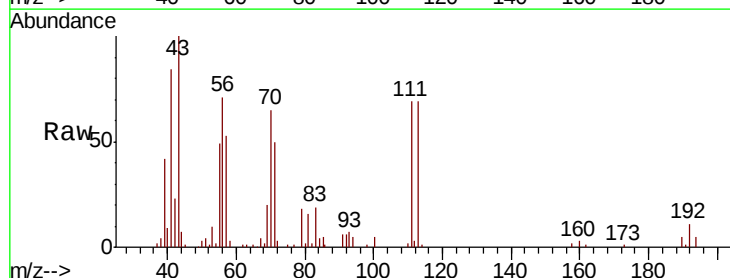
RT: 4.13 min Scan# 355

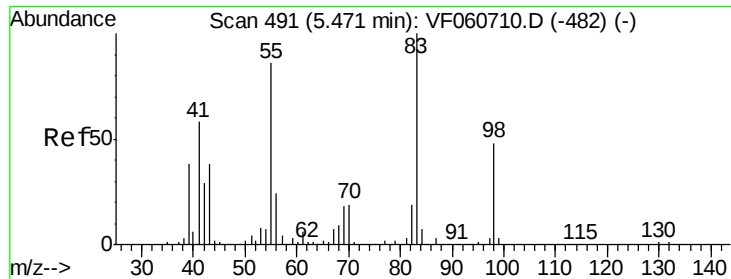
Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Tgt Ion:	113	Resp:	70592
Ion Ratio	Lower	Upper	
113	100		
111	99.6	87.1	130.7
192	15.2	13.8	20.6





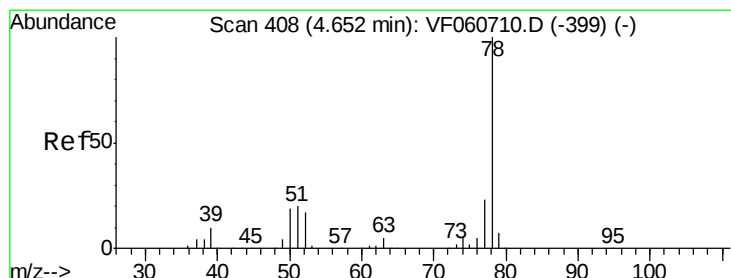
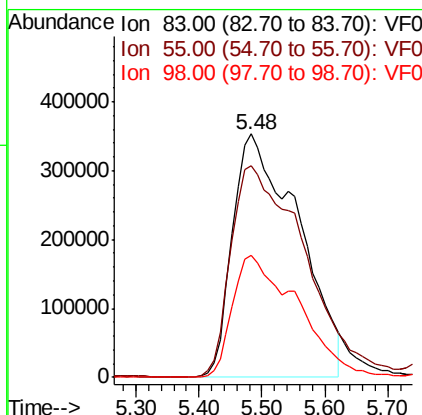
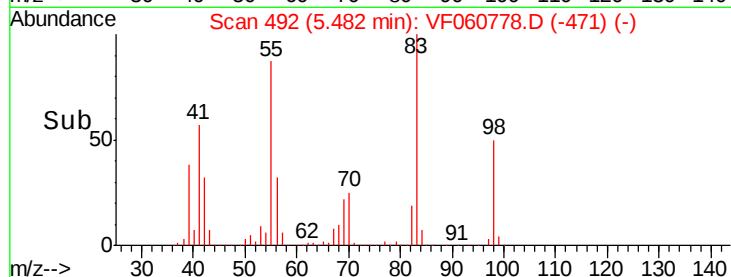
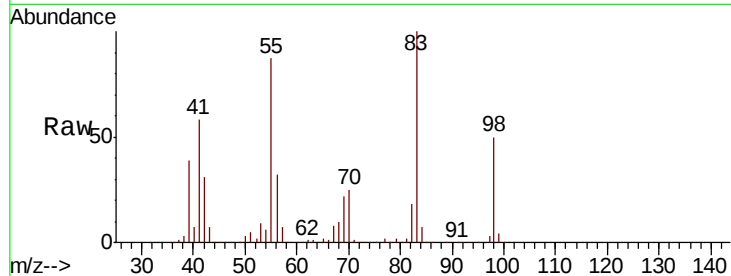
#39
Methylcyclohexane
Concen: 982.697 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion: 83 Resp: 2558732
Ion Ratio Lower Upper
83 100
55 86.9 69.0 103.4
98 50.3 38.5 57.7

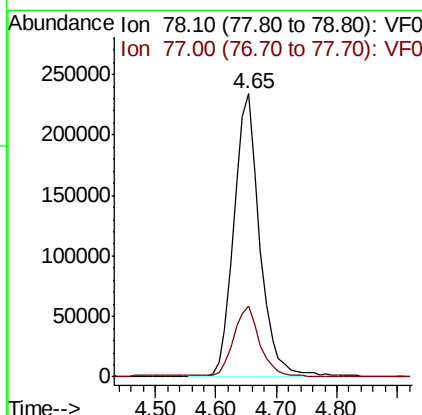
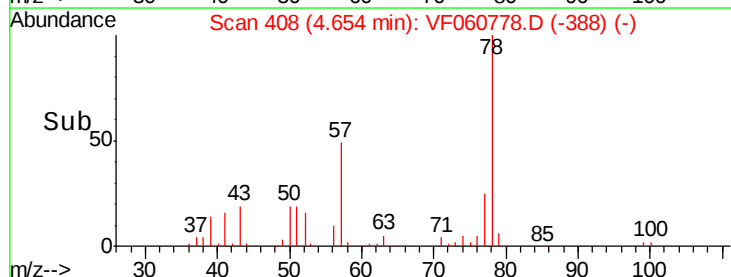
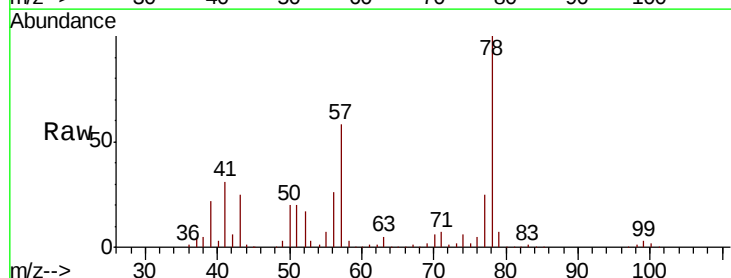
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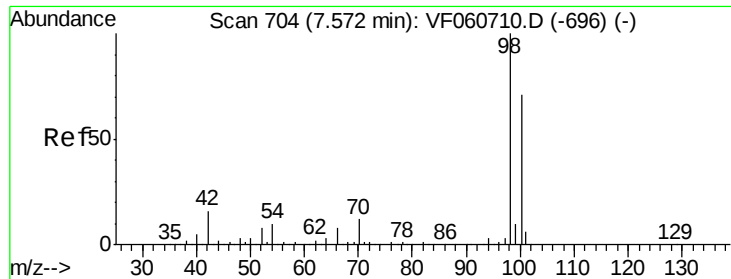
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#40
Benzene
Concen: 138.265 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 78 Resp: 691737
Ion Ratio Lower Upper
78 100
77 24.9 18.6 28.0





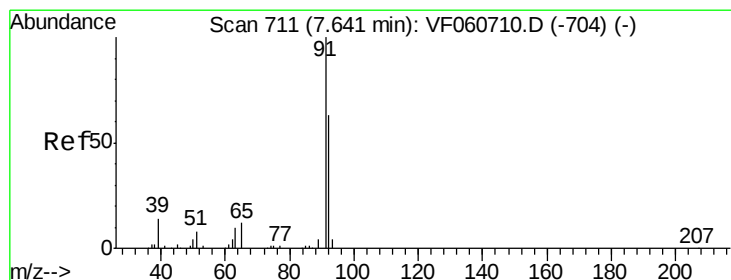
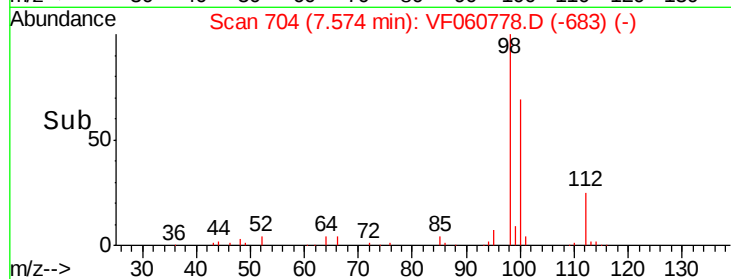
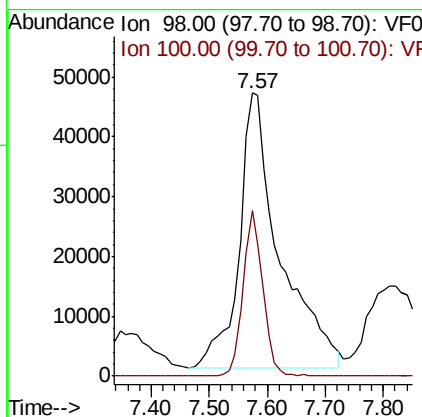
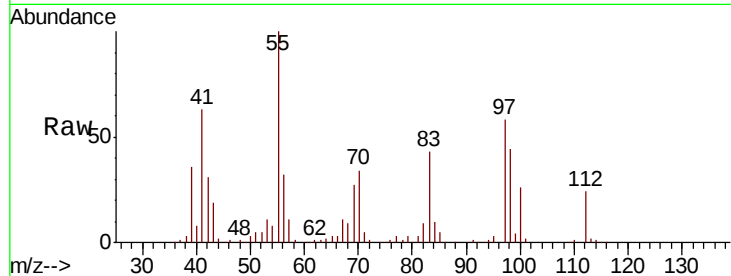
#50
Toluene-d8
Concen: 60.188 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion: 98 Resp: 221878
Ion Ratio Lower Upper
98 100
100 58.5 56.5 84.7

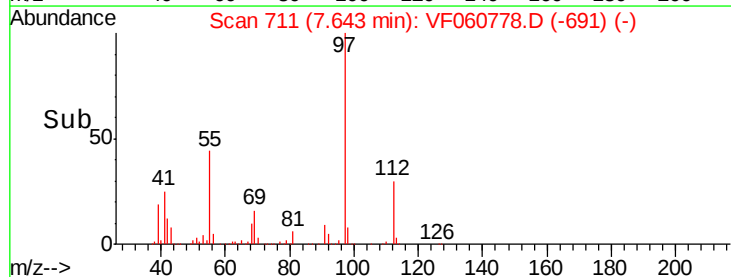
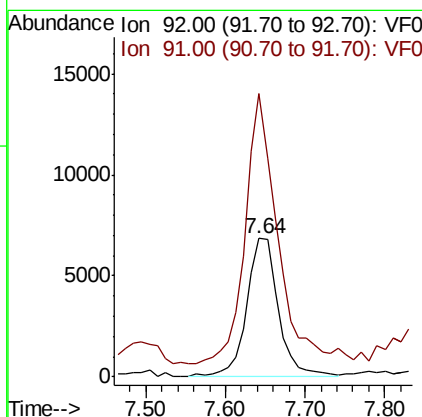
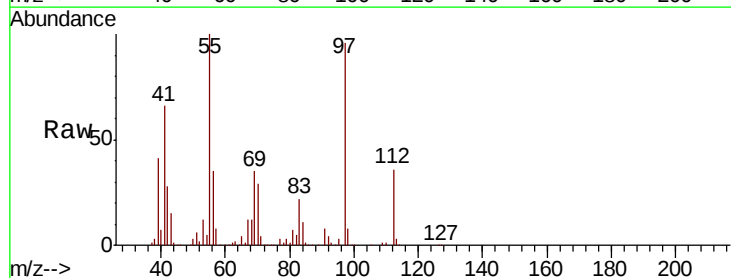
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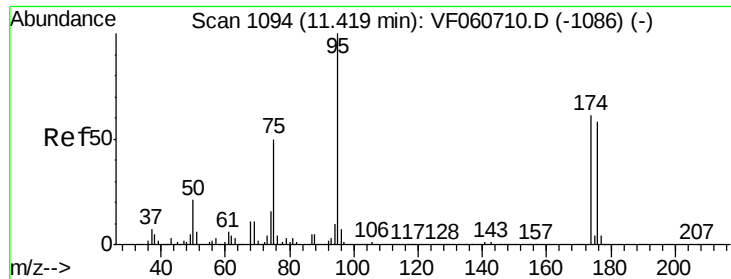
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#52
Toluene
Concen: 5.665 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 92 Resp: 18992
Ion Ratio Lower Upper
92 100
91 204.9 126.7 190.1#





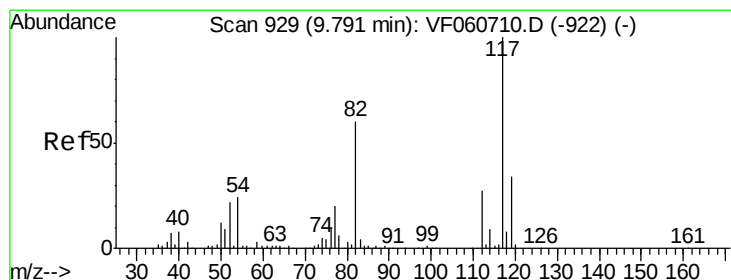
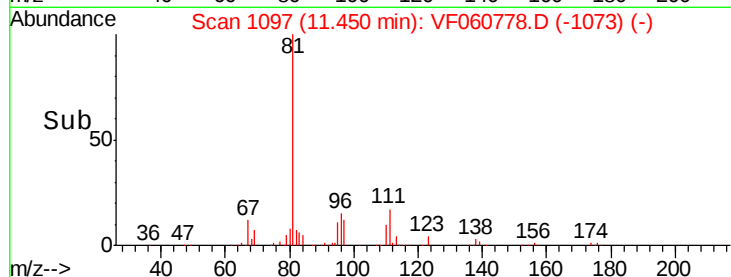
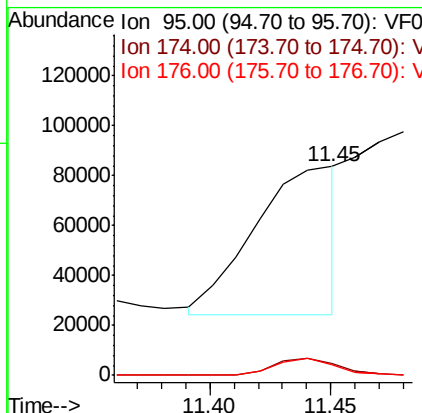
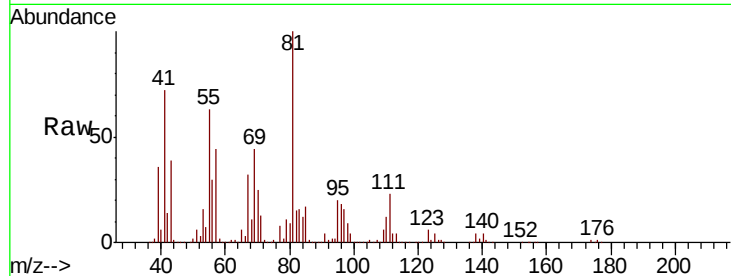
#62
4-Bromofluorobenzene
Concen: 86.525 ug/l m
RT: 11.45 min Scan# 1097
Delta R.T. 0.03 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion	Ratio	Resp	Lower	Upper
95	100	143860		
174	5.6	0.0	121.6	
176	4.9	0.0	115.2	

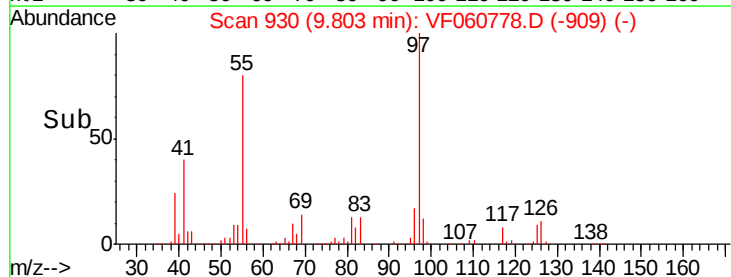
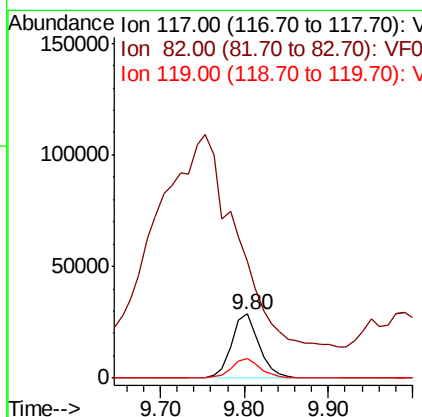
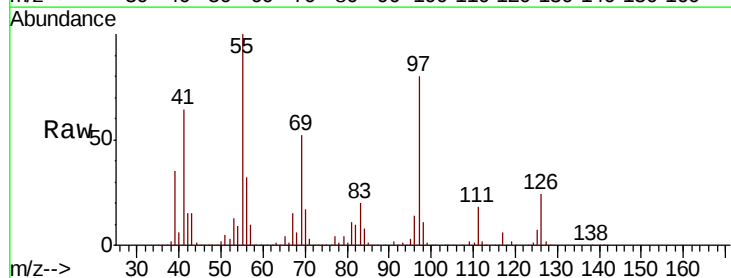
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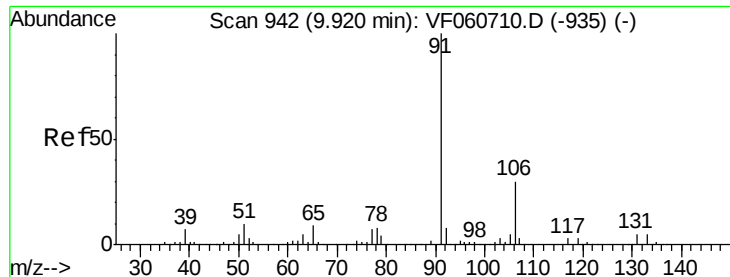
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65525		
82	183.6	47.9	71.9#	
119	30.5	26.8	40.2	





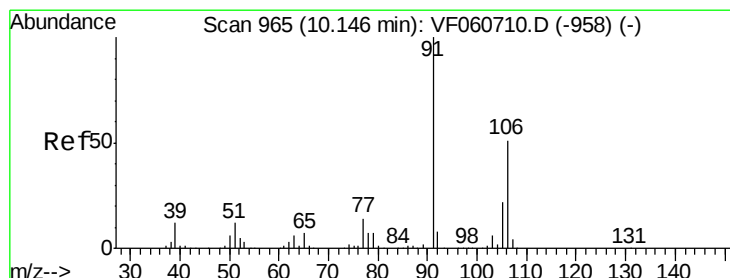
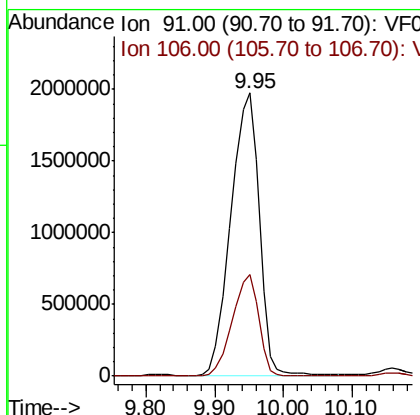
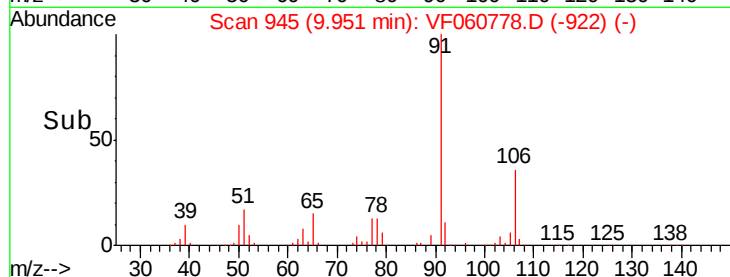
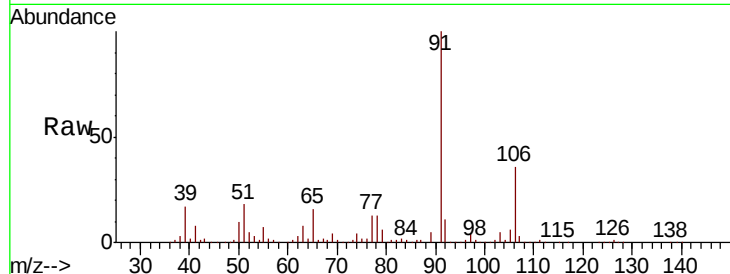
#67
Ethyl Benzene
Concen: 2254.377 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.03 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion: 91 Resp: 5618720
Ion Ratio Lower Upper
91 100
106 35.7 23.9 35.9

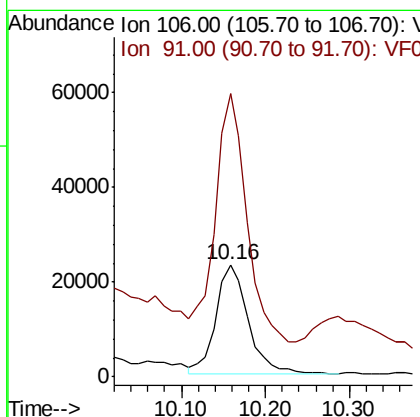
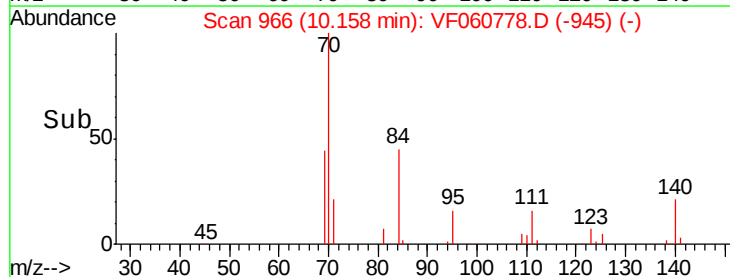
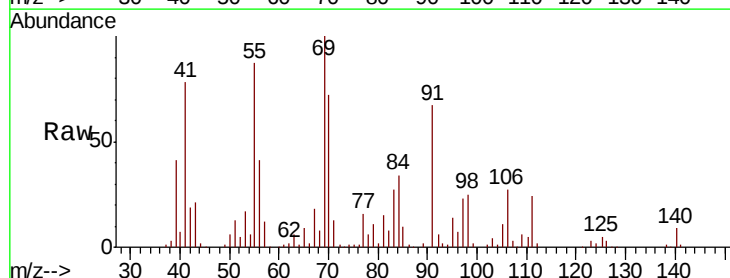
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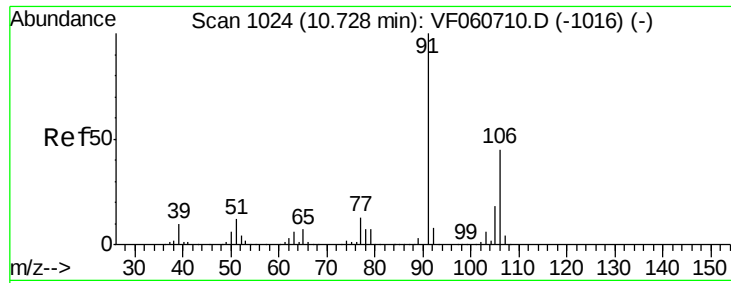
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#68
m/p-Xylenes
Concen: 67.923 ug/l
RT: 10.16 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 106 Resp: 60499
Ion Ratio Lower Upper
106 100
91 252.0 158.2 237.2#





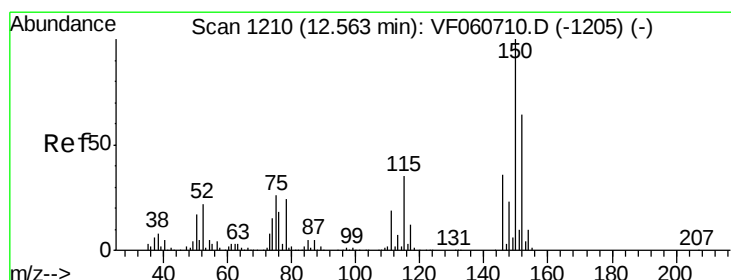
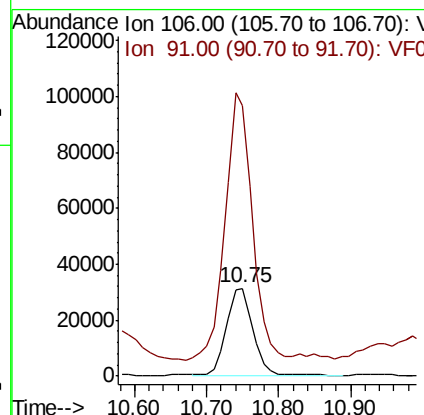
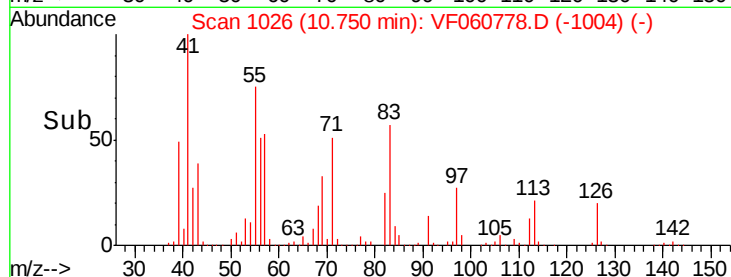
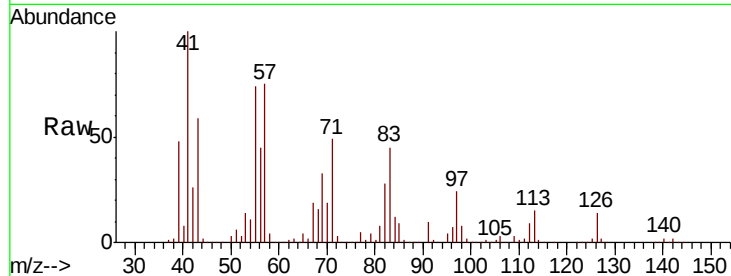
#69
o-Xylene
Concen: 78.209 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion:106 Resp: 78318
Ion Ratio Lower Upper
106 100
91 307.2 110.3 330.9

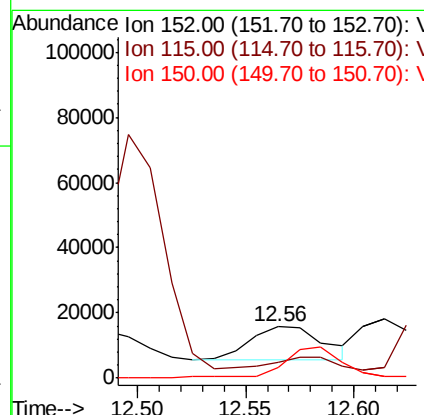
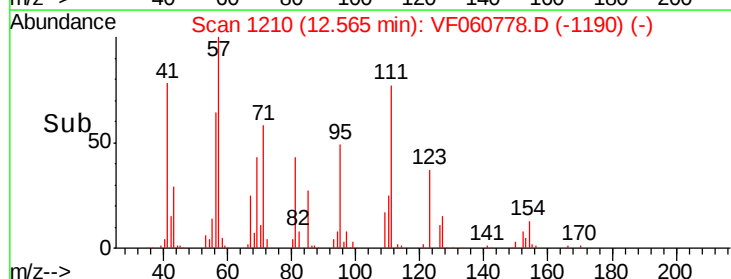
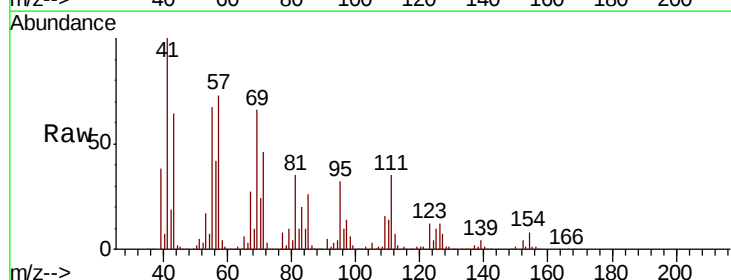
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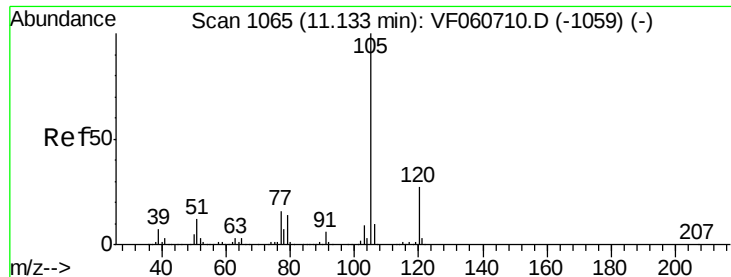
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion:152 Resp: 23722
Ion Ratio Lower Upper
152 100
115 29.7 27.9 83.7
150 20.1 0.0 316.4





#73

Isopropylbenzene

Concen: 1244.107 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.02 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampled :

SSI-04

Tot Ion:105 Resp: 2375569

Ion Ratio Lower Upper

105 100

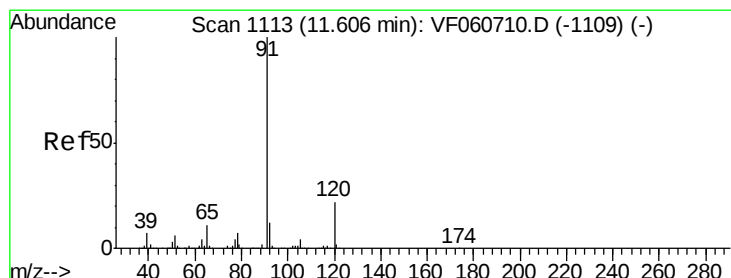
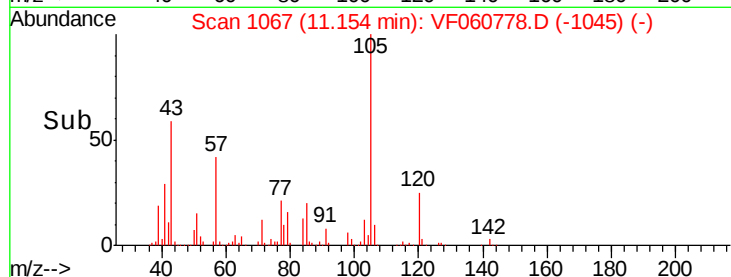
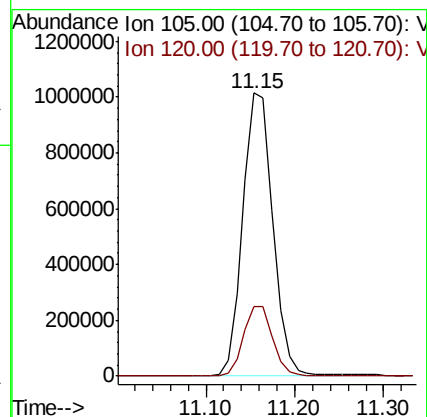
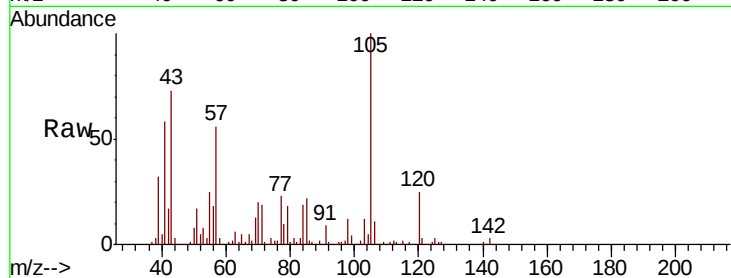
120 24.6 13.4 40.1

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#78

n-propylbenzene

Concen: 2182.710 ug/l

RT: 11.64 min Scan# 1116

Delta R.T. 0.03 min

Lab File: VF060778.D

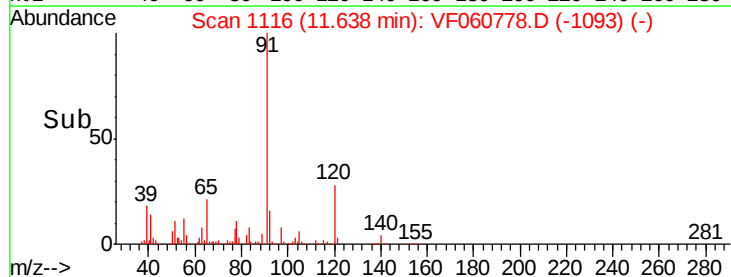
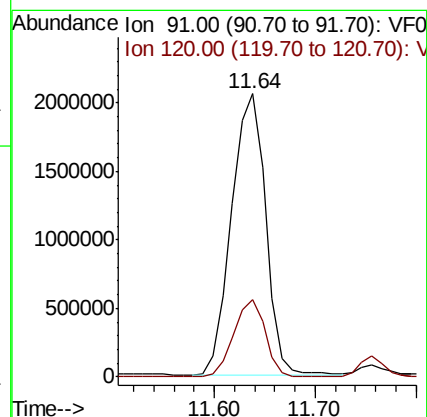
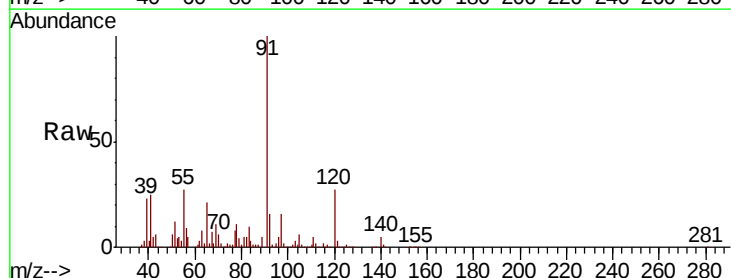
Acq: 16 Nov 2018 21:43

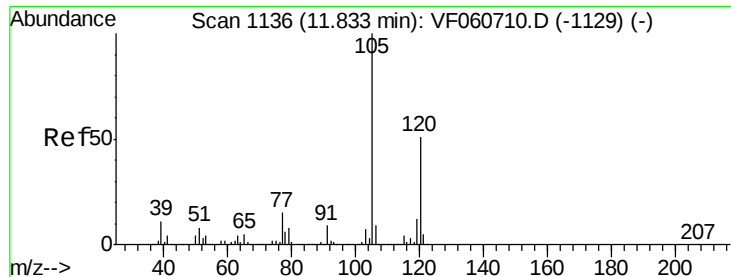
Tgt Ion: 91 Resp: 4860810

Ion Ratio Lower Upper

91 100

120 27.5 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 1709.454 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.03 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampled :

SSI-04

Tot Ion:105 Resp: 2591435

Ion Ratio Lower Upper

105 100

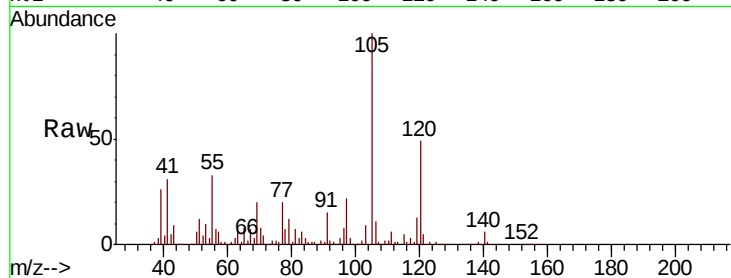
120 49.1 25.6 76.8

Manual Integrations

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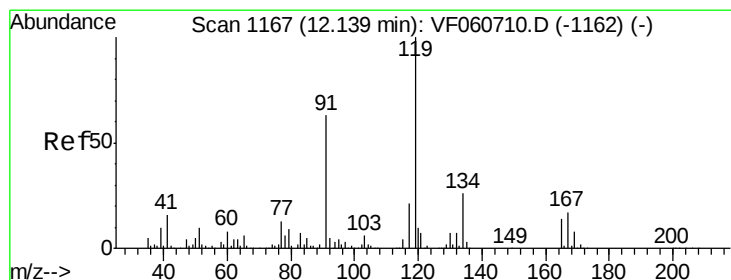
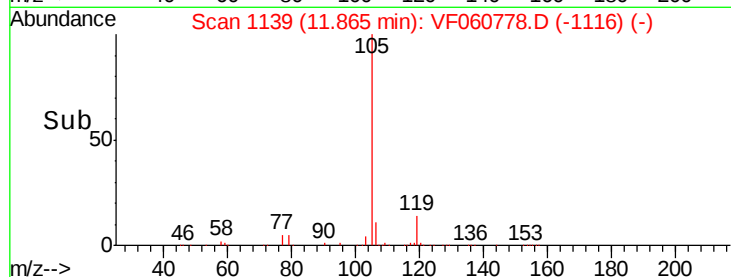
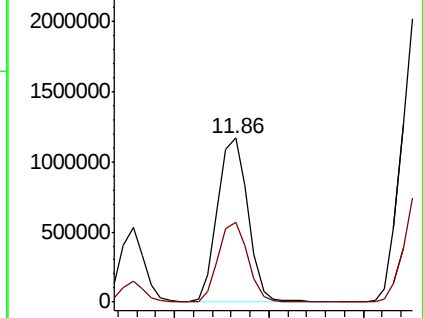
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 80.343 ug/l

RT: 12.17 min Scan# 1170

Delta R.T. 0.03 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

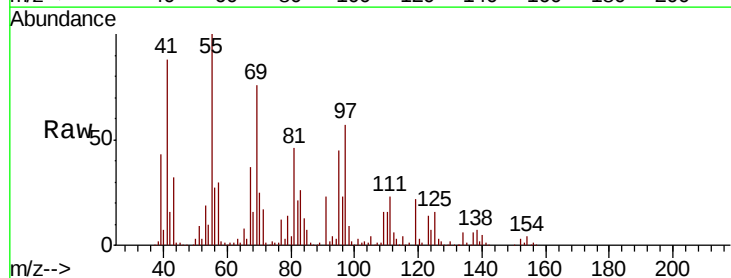
Tgt Ion:119 Resp: 129319

Ion Ratio Lower Upper

119 100

91 102.2 31.4 94.3#

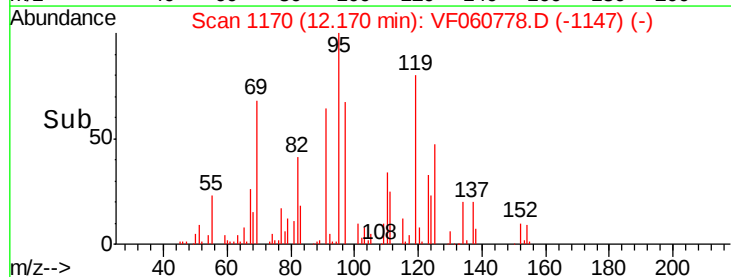
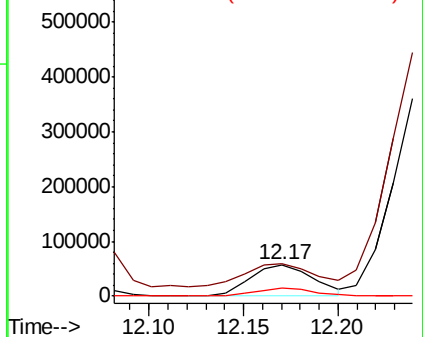
134 25.4 12.8 38.4

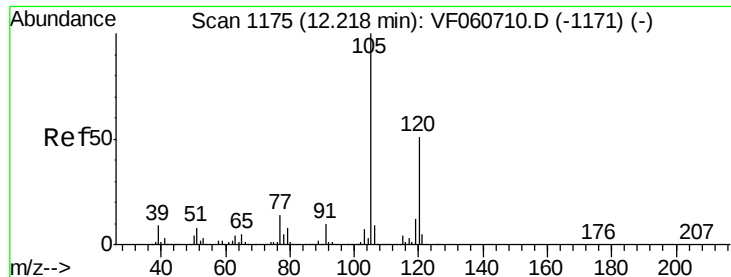


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





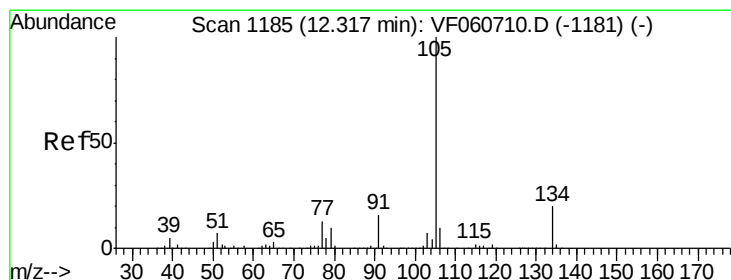
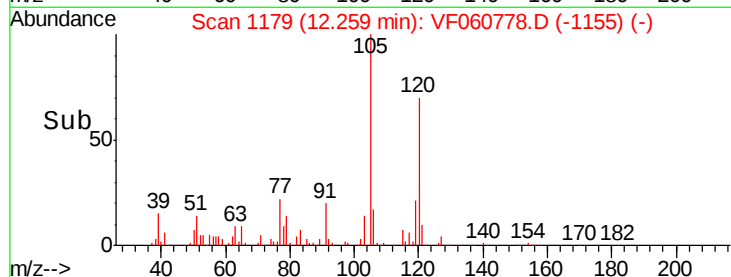
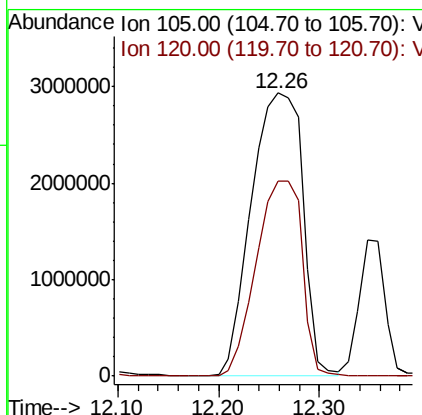
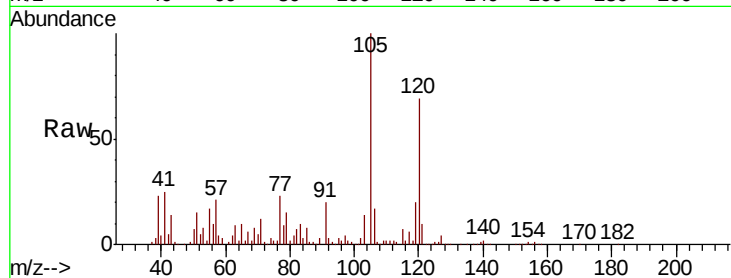
#84
 1,2,4-Trimethylbenzene
 Concen: 6611.038 ug/l
 RT: 12.26 min Scan# 1179
 Delta R.T. 0.04 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

Tot Ion:105 Resp:10364920
 Ion Ratio Lower Upper
 105 100
 120 68.7 25.5 76.5

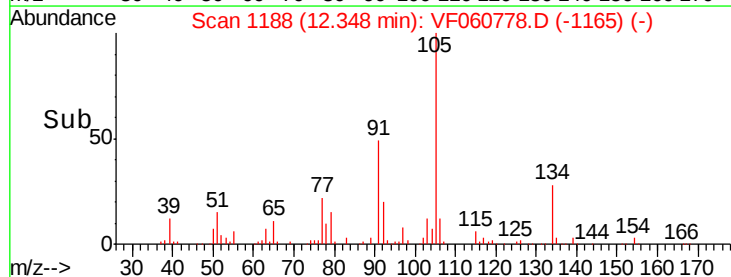
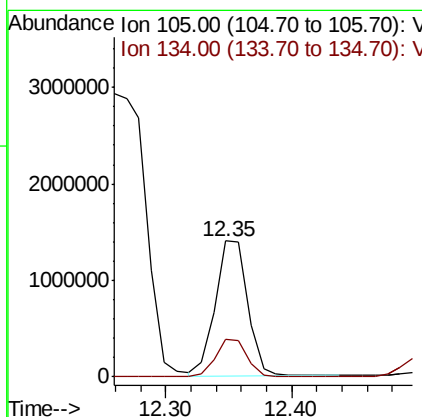
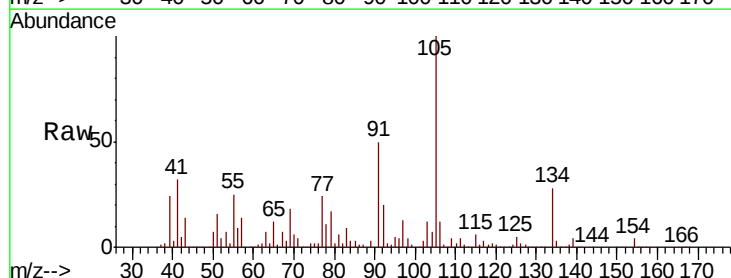
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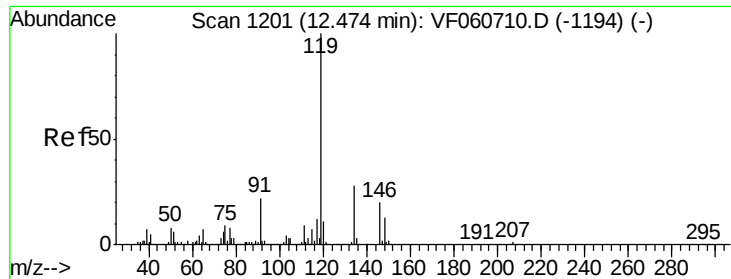
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#85
 sec-Butylbenzene
 Concen: 1144.336 ug/l
 RT: 12.35 min Scan# 1188
 Delta R.T. 0.03 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Tgt Ion:105 Resp: 2498576
 Ion Ratio Lower Upper
 105 100
 134 27.7 10.1 30.3





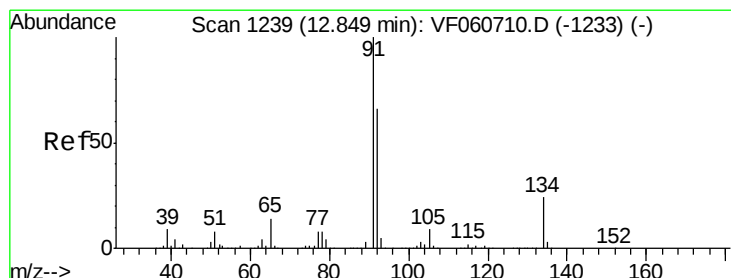
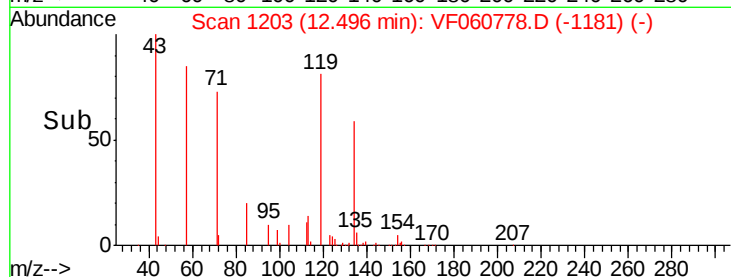
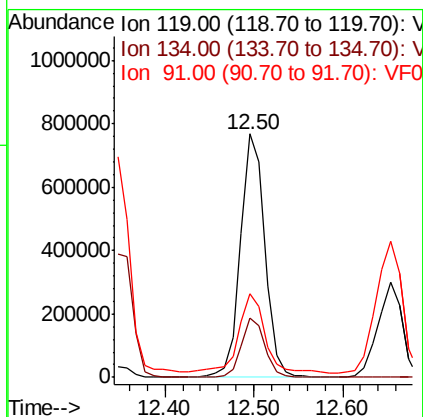
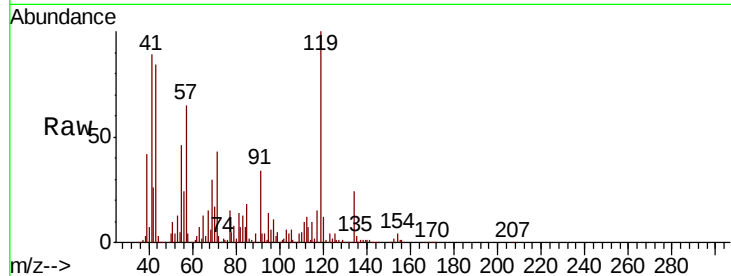
#86
p-Isopropyltoluene
Concen: 793.867 ug/l
RT: 12.50 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.9	41.7
91	34.4	11.3	33.9

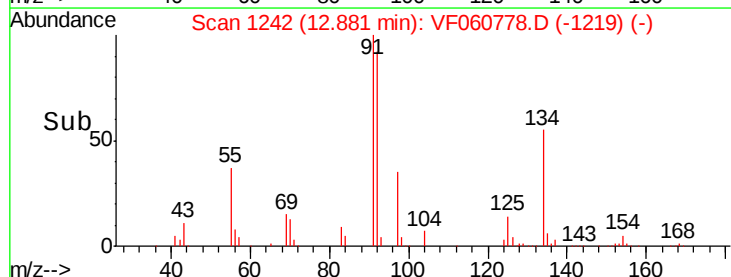
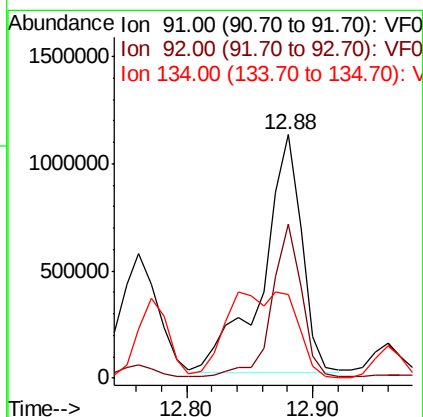
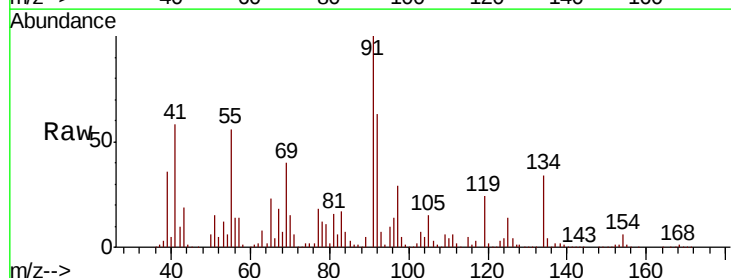
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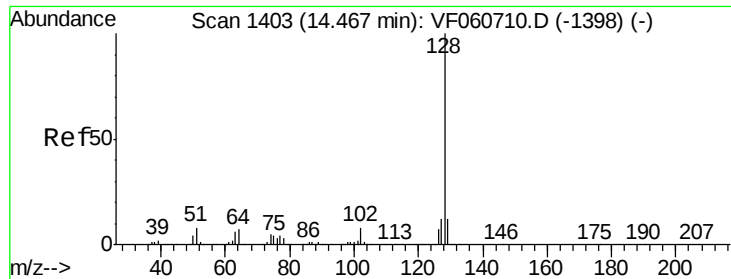
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#89
n-Butylbenzene
Concen: 1280.575 ug/l
RT: 12.88 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.2	33.1	99.2
134	34.5	11.9	35.9





#95
 Naphthalene
 Concen: 3148.176 ug/l
 RT: 14.48 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	9.8	14.6#
129	17.5	9.3	13.9#

Manual Integrations
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