

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060808.D
 Acq On : 20 Nov 2018 17:44
 Operator : VA/AP
 Sample : J5950-10
 Misc : 6.15g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-FD-11132018

Manual Integrations
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Quant Time: Nov 21 03:02:28 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	4.88	168	202093	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	358980	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	290941	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	117093	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	111450	48.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	4.12	113	139492	51.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	7.56	98	312098	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.42	95	155514	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.19	84	6833m	1.39	ug/l	
27) cis-1,2-Dichloroethene	3.49	96	9361	3.19	ug/l	97
39) Methylcyclohexane	5.45	83	14173	2.93	ug/l	91
52) Toluene	7.63	92	14150	2.28	ug/l	88
67) Ethyl Benzene	9.91	91	161926	14.63	ug/l	100
68) m/p-Xylenes	10.14	106	281761	71.24	ug/l	93
69) o-Xylene	10.72	106	111746	25.13	ug/l	94
73) Isopropylbenzene	11.13	105	46178	4.90	ug/l	96
78) n-propylbenzene	11.61	91	176723	16.08	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	906069	121.09	ug/l	96
83) tert-Butylbenzene	12.14	119	52449	6.60	ug/l	85
84) 1,2,4-Trimethylbenzene	12.22	105	1452372	187.67	ug/l	99
85) sec-Butylbenzene	12.32	105	69862	6.48	ug/l	80
86) p-Isopropyltoluene	12.46	119	85813m	9.53	ug/l	
95) Naphthalene	14.47	128	407818	84.59	ug/l	98

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

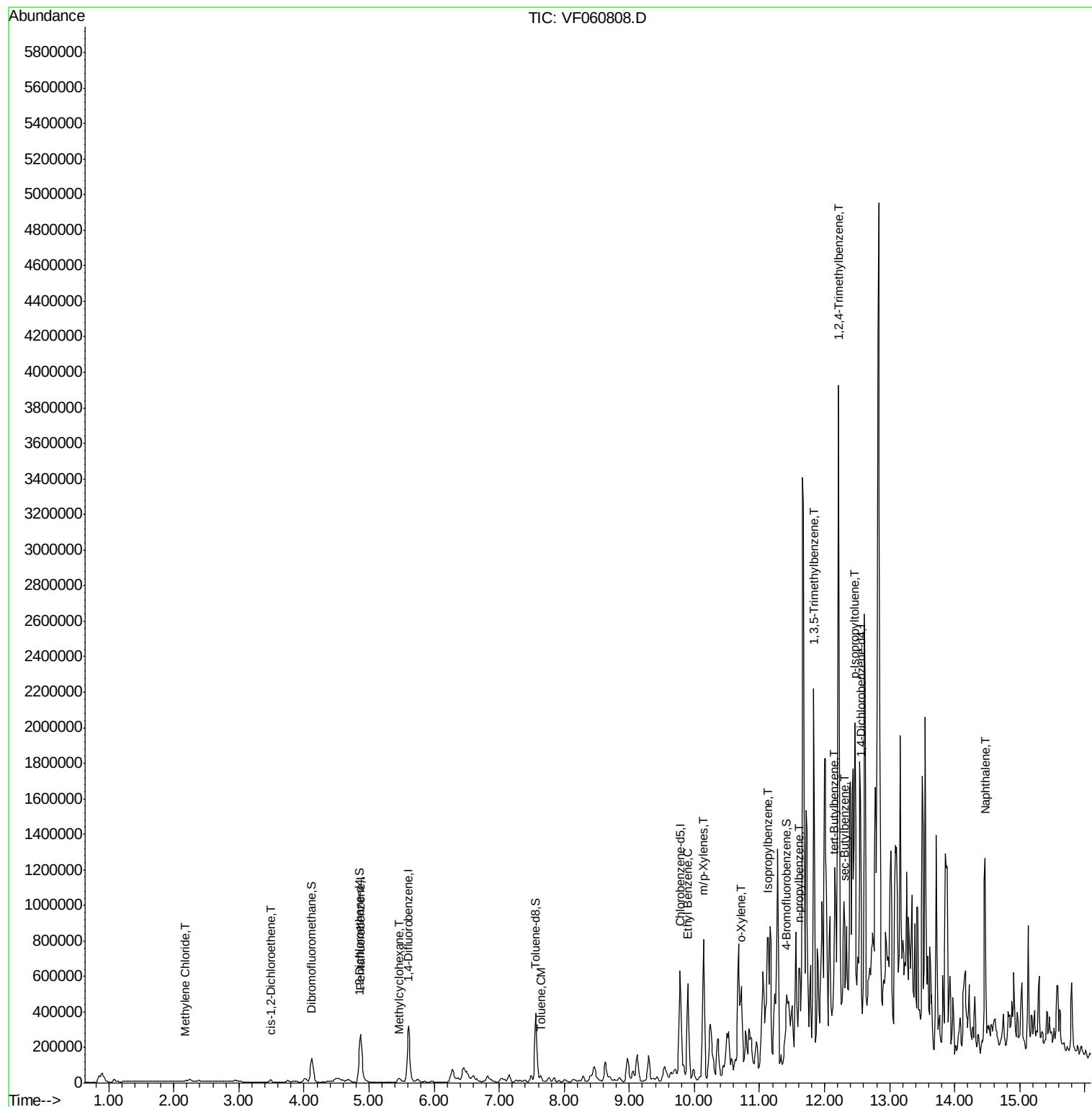
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060808.D
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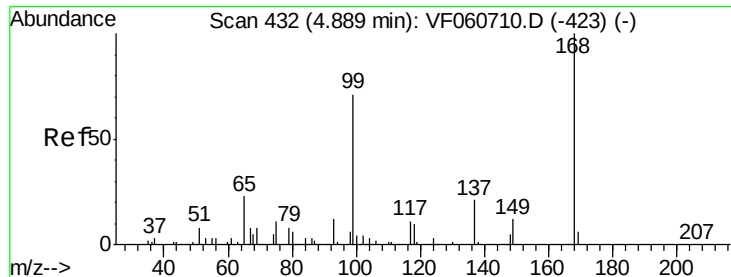
Instrument :
MSVOA_F
ClientSampleId :
SSI-FD-11132018

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Quant Time: Nov 21 03:02:28 2018
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: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

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ClientSampleId :

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Tgt Ion: 168 Resp: 202093

Ion Ratio Lower Upper

168 100

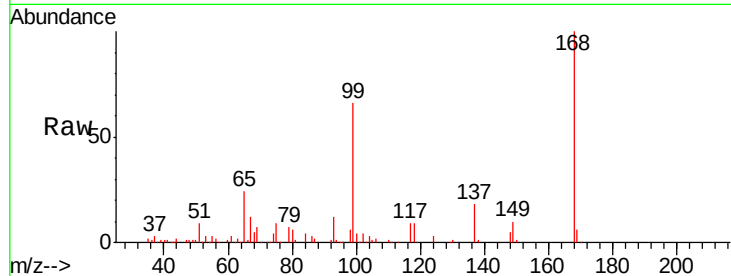
99 66.1 57.2 85.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

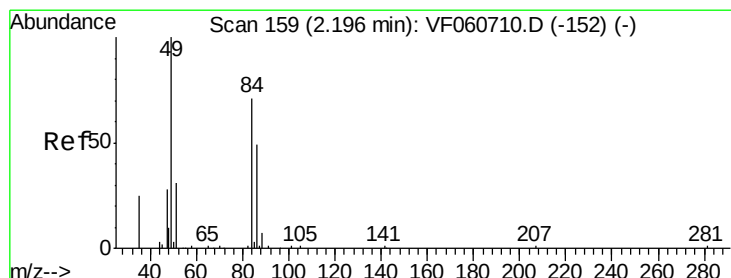
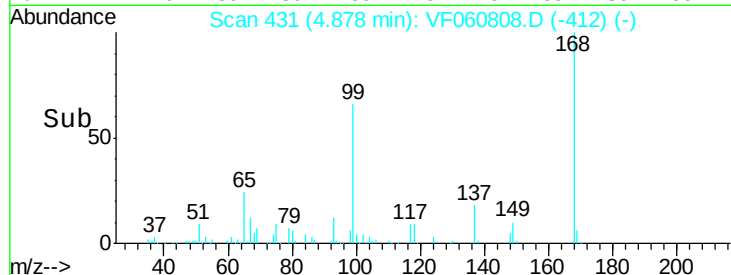
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.39 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Tgt Ion: 84 Resp: 6833

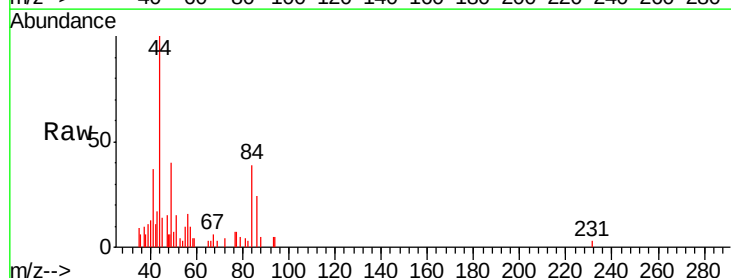
Ion Ratio Lower Upper

84 100

49 100.9 120.2 180.4#

51 38.5 37.2 55.8

86 59.9 55.1 82.7



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2500

2000

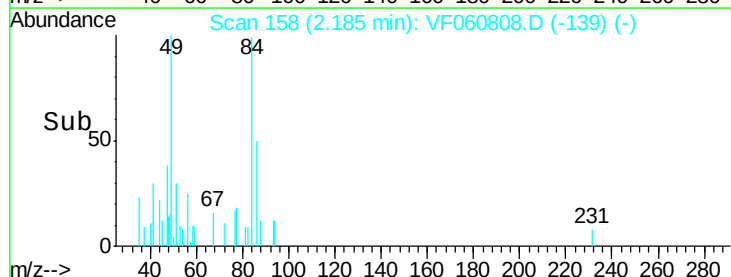
1500

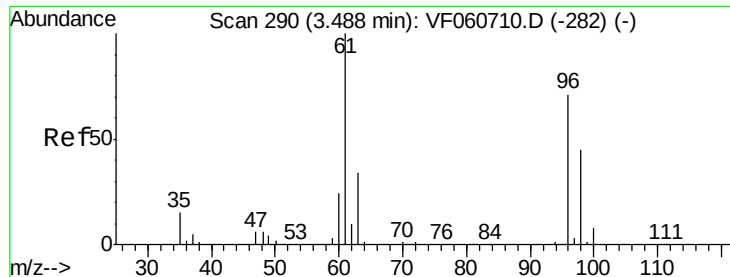
1000

500

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 3.19 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

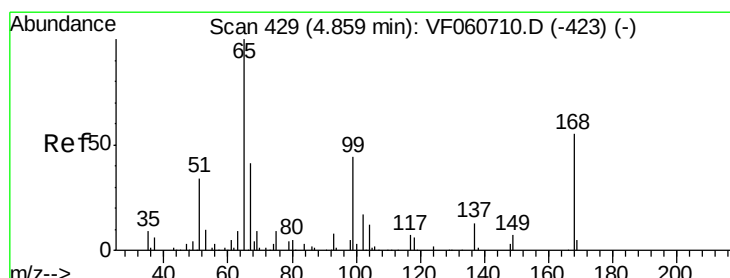
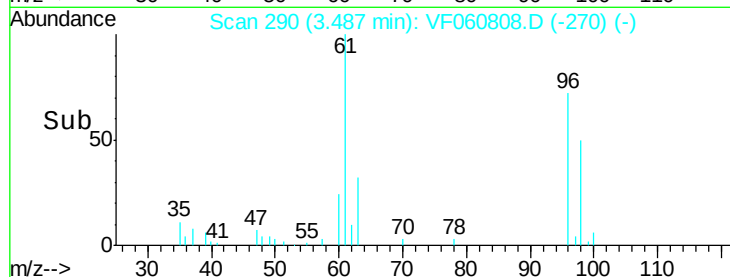
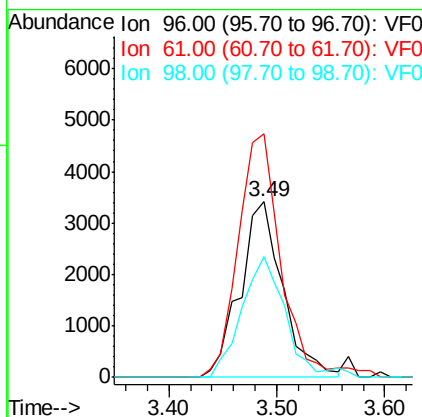
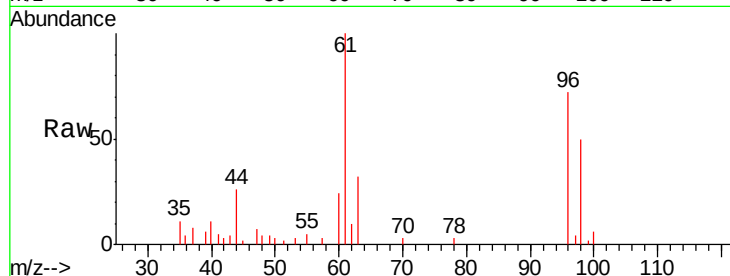
ClientSampleId :

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Tgt Ion:	96	Resp:	9361
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.6
98	68.9	0.0	127.6

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#33

1,2-Dichloroethane-d4

Concen: 48.35 ug/l

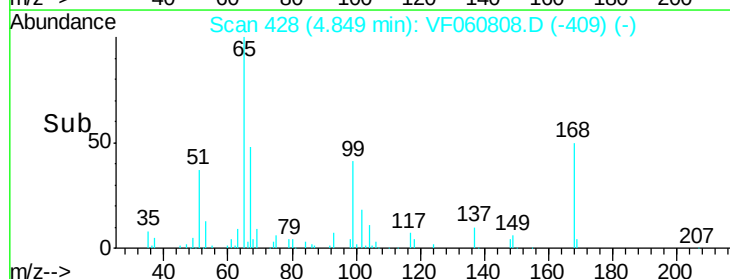
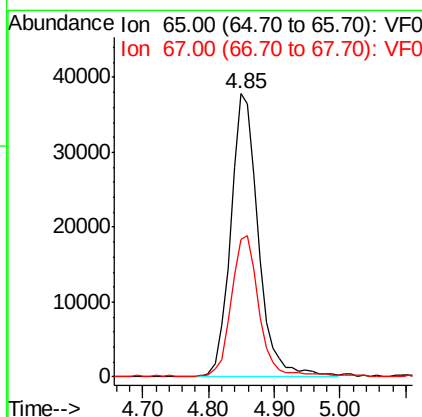
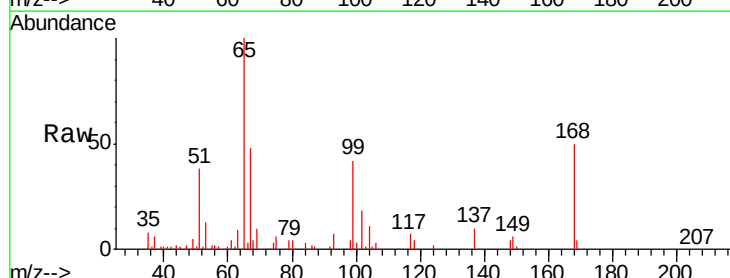
RT: 4.85 min Scan# 428

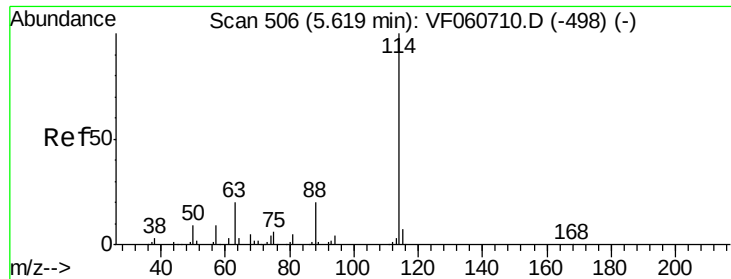
Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Tgt Ion:	65	Resp:	111450
Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	90.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

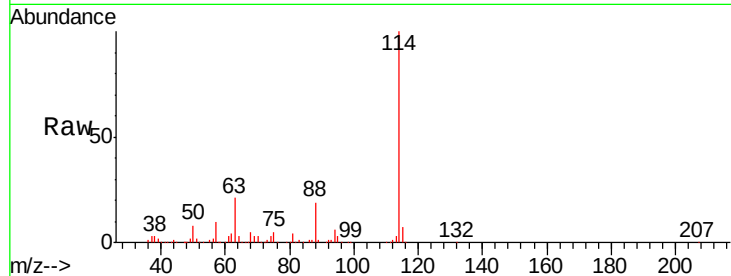
ClientSampleId :

SSI-FD-11132018

Tgt	Ion:114	Resp:	358980
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	19.1	0.0	39.6

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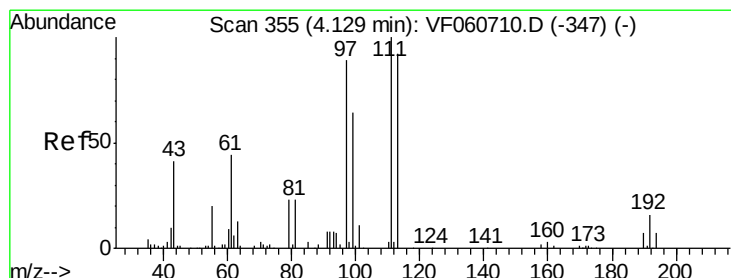
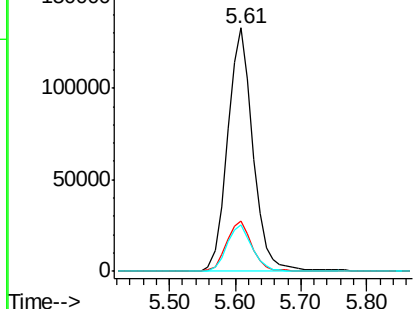
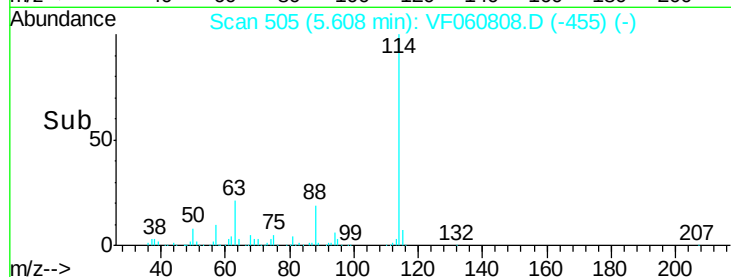
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 51.69 ug/l

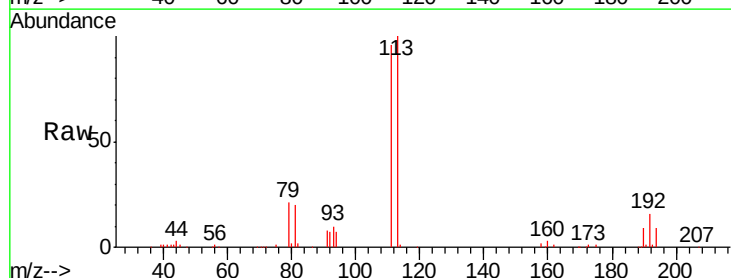
RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

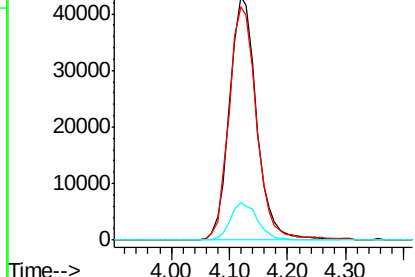
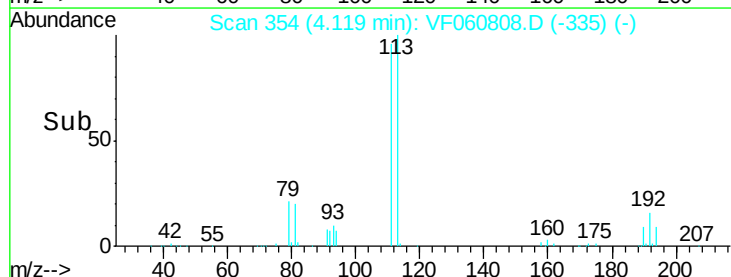
Tgt	Ion:113	Resp:	139492
Ion	Ratio	Lower	Upper
113	100		
111	95.8	87.1	130.7
192	16.5	13.8	20.6

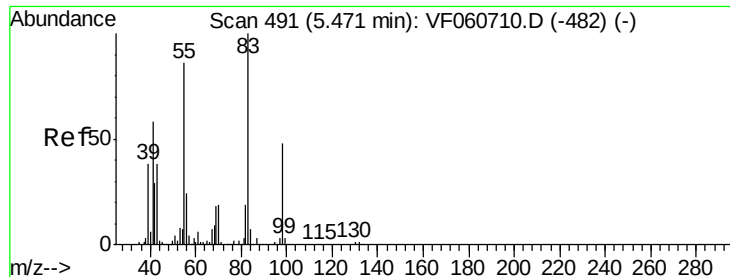


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





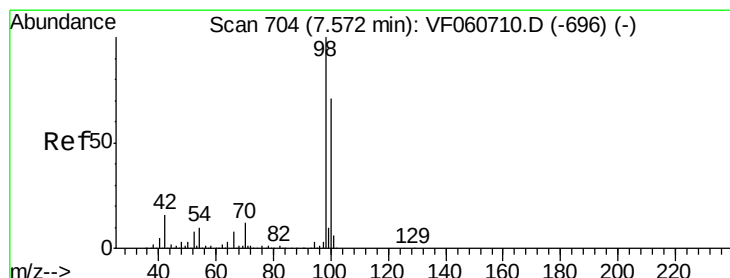
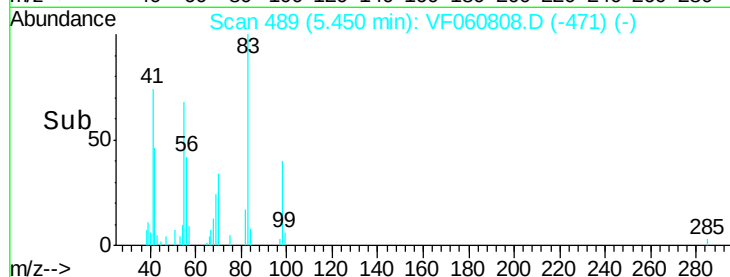
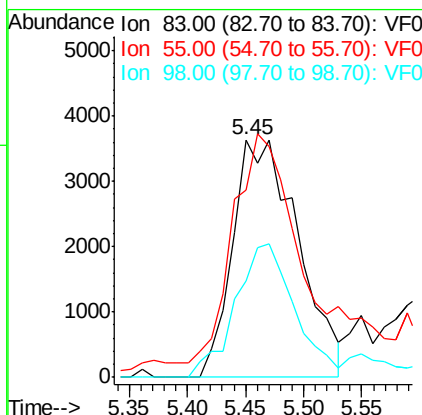
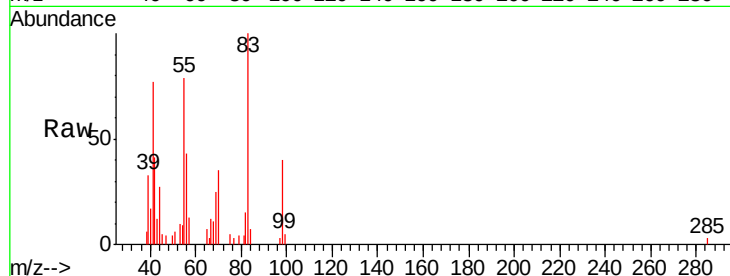
#39
Methylcyclohexane
Concen: 2.93 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

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Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	69.0	103.4
98	40.4	38.5	57.7

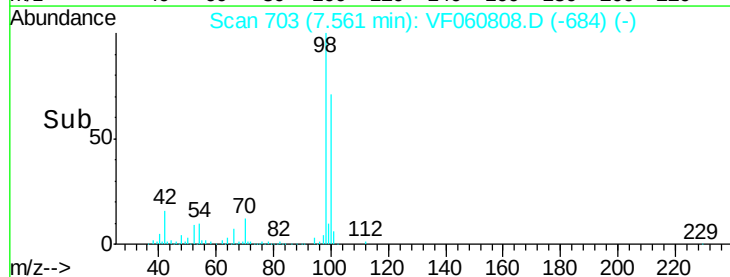
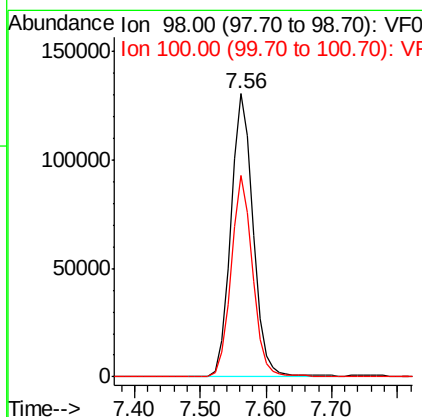
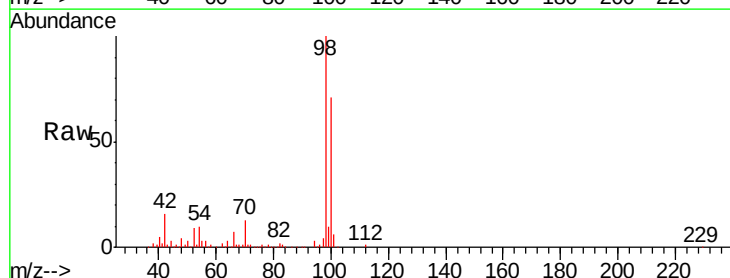
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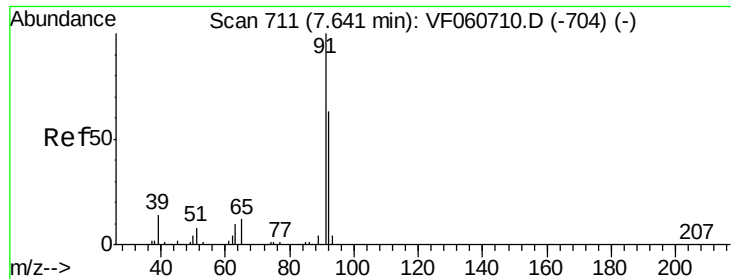
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#50
Toluene-d8
Concen: 44.68 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.4	56.5	84.7





#52

Toluene

Concen: 2.28 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

SSI-FD-11132018

Tgt Ion: 92 Resp: 14150

Ion Ratio Lower Upper

92 100

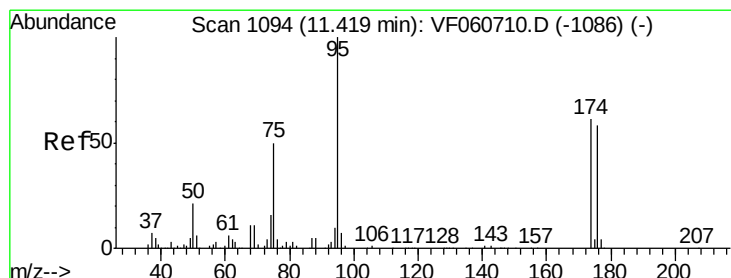
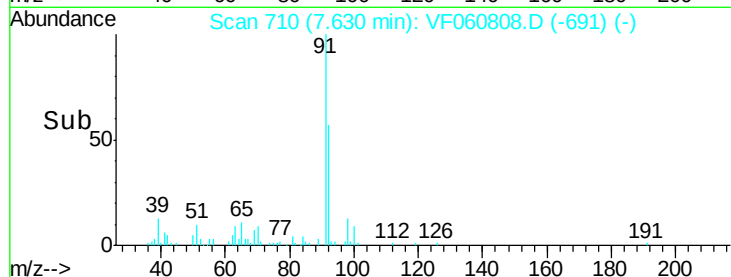
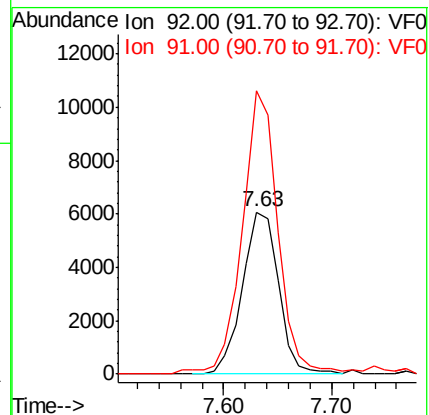
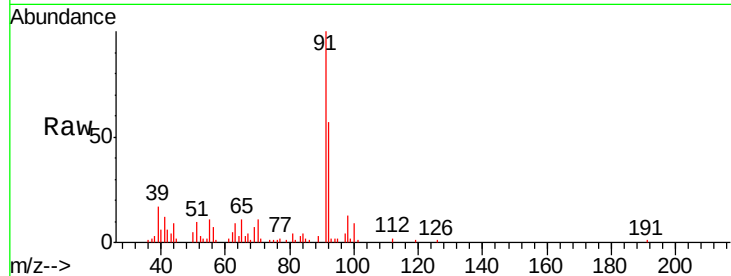
91 174.5 126.7 190.1

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#62

4-Bromofluorobenzene

Concen: 48.59 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

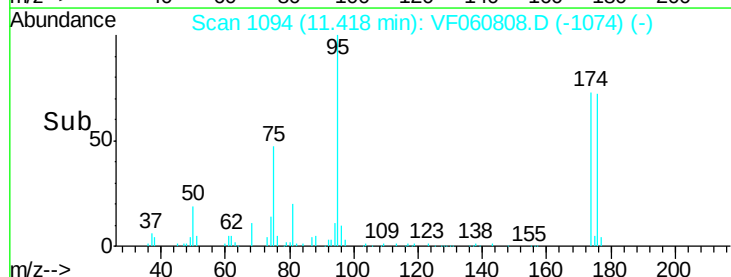
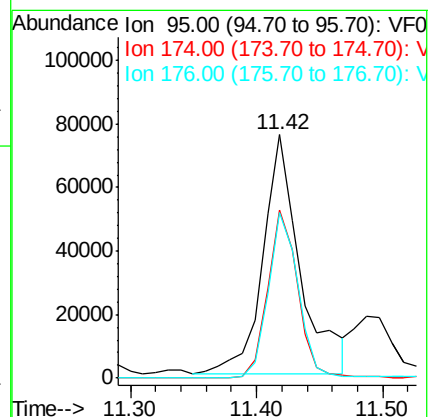
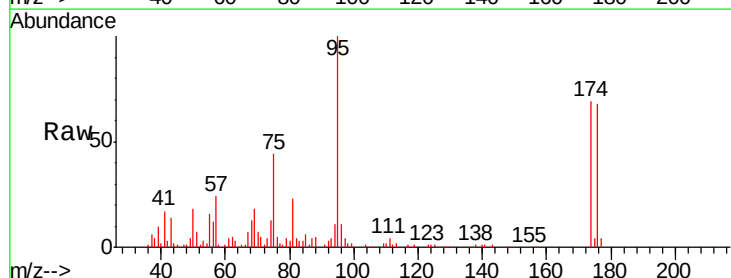
Tgt Ion: 95 Resp: 155514

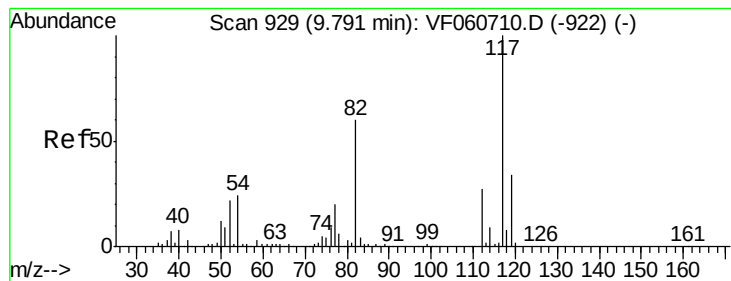
Ion Ratio Lower Upper

95 100

174 69.2 0.0 121.6

176 68.1 0.0 115.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

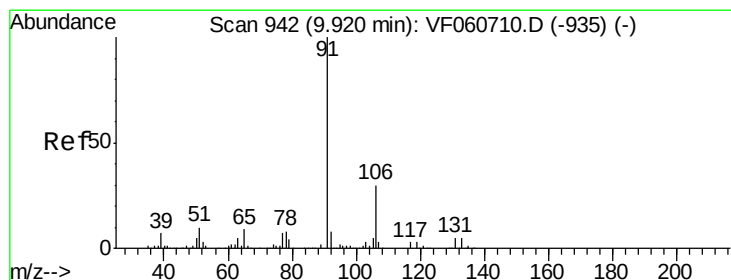
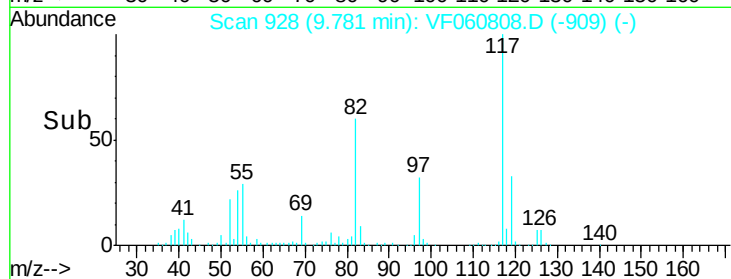
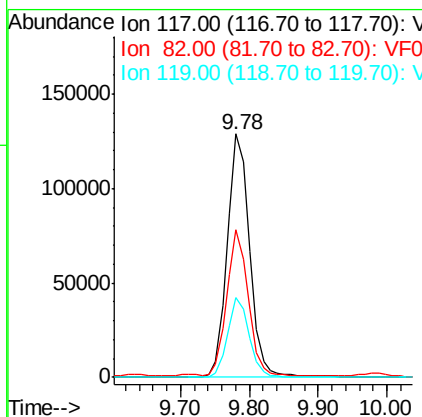
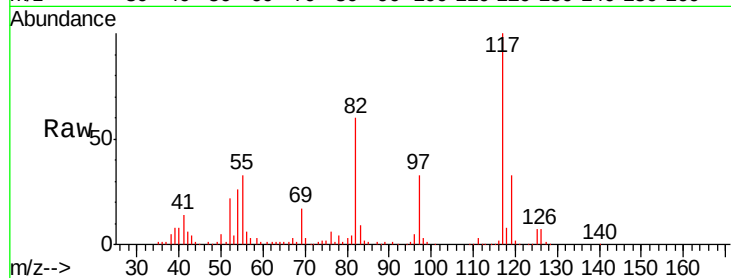
ClientSampleId :

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Tgt Ion:	117	Resp:	290941
Ion Ratio	Lower	Upper	
117	100		
82	60.4	47.9	71.9
119	32.6	26.8	40.2

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#67

Ethyl Benzene

Concen: 14.63 ug/l

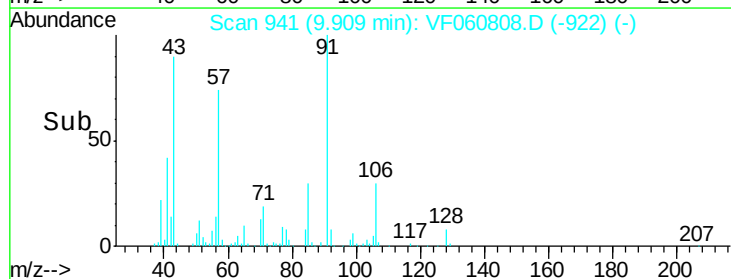
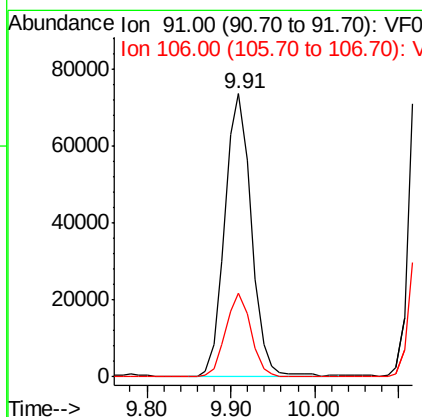
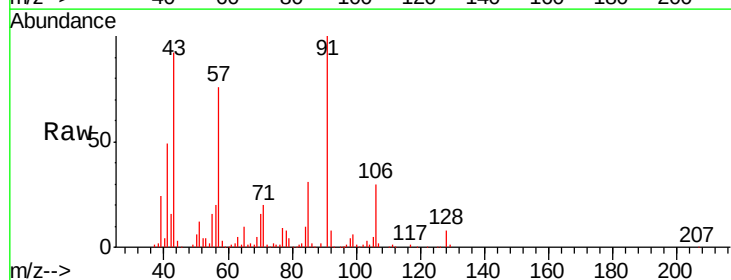
RT: 9.91 min Scan# 941

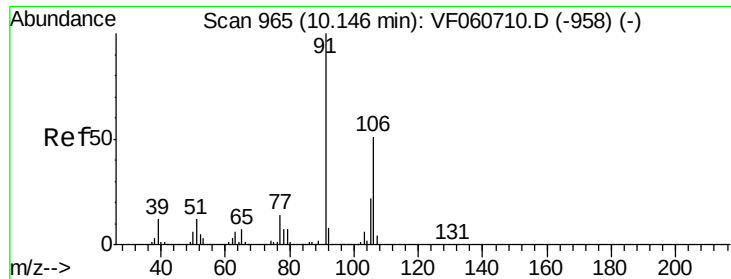
Delta R.T. -0.01 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Tgt Ion:	91	Resp:	161926
Ion Ratio	Lower	Upper	
91	100		
106	29.7	23.9	35.9





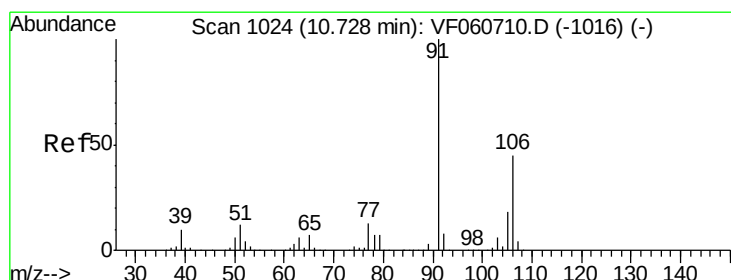
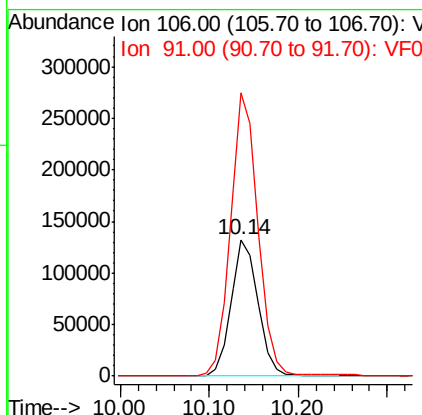
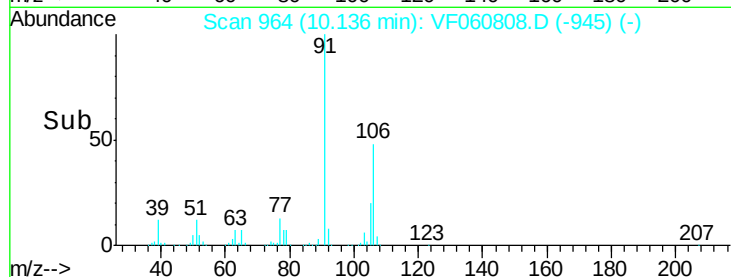
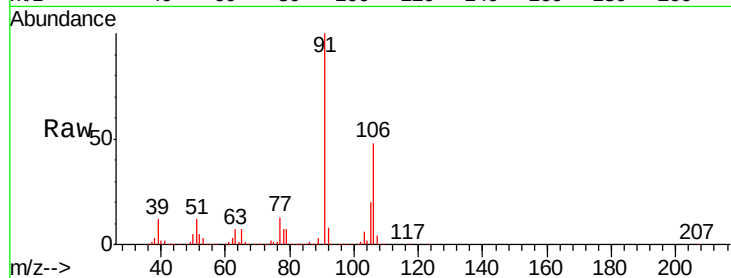
#68
m/p-Xylenes
Concen: 71.24 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
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Tgt Ion:106 Resp: 281761
Ion Ratio Lower Upper
106 100
91 207.7 158.2 237.2

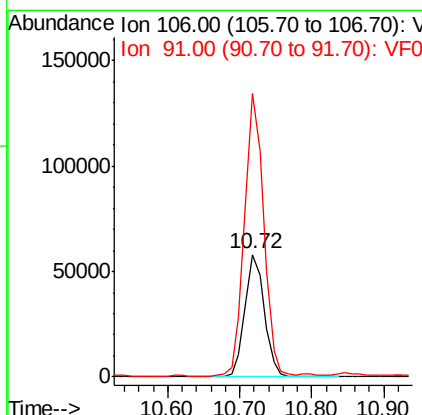
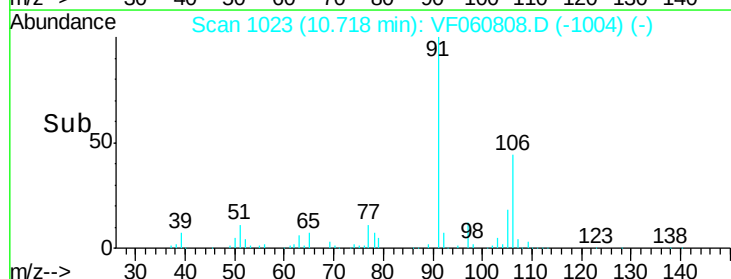
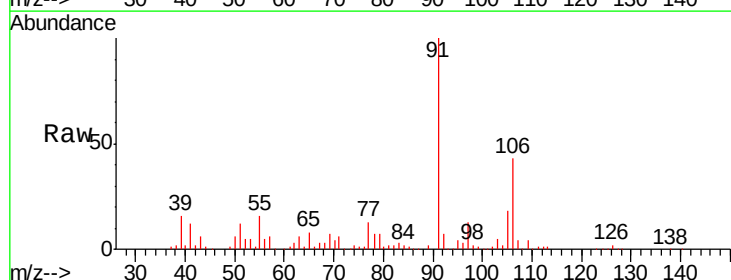
Manual Integrations
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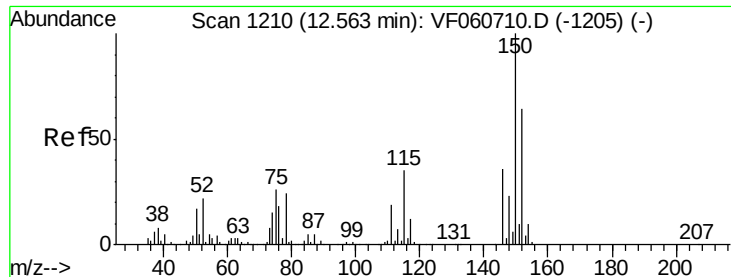
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#69
o-Xylene
Concen: 25.13 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion:106 Resp: 111746
Ion Ratio Lower Upper
106 100
91 230.9 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Instrument :

MSVOA_F

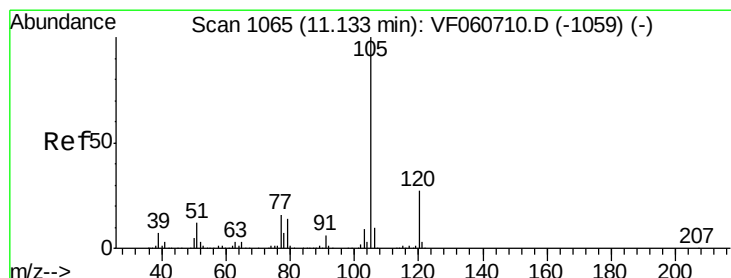
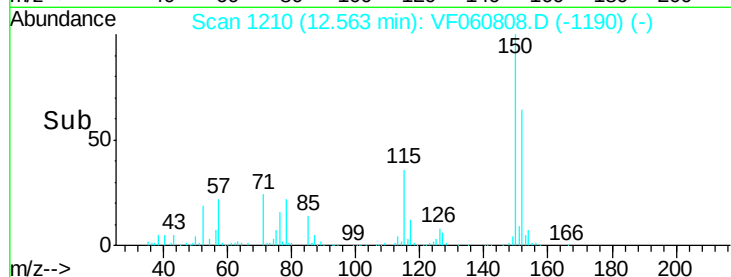
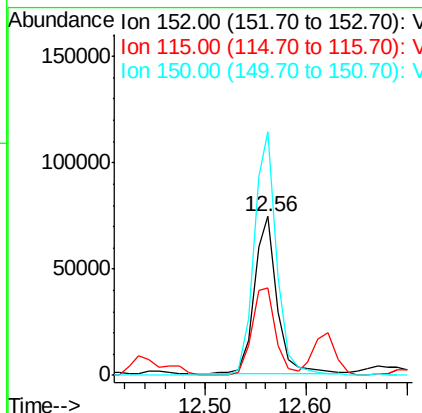
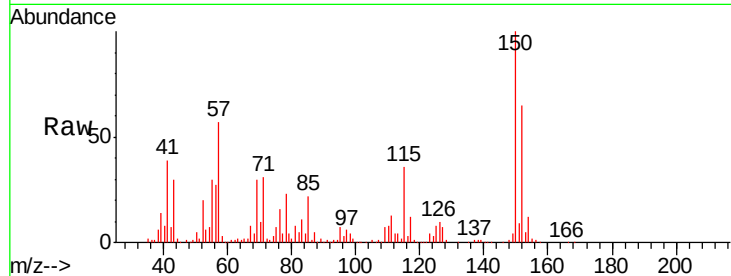
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.9	83.7
150	153.1	0.0	316.4

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#73

Isopropylbenzene

Concen: 4.90 ug/l

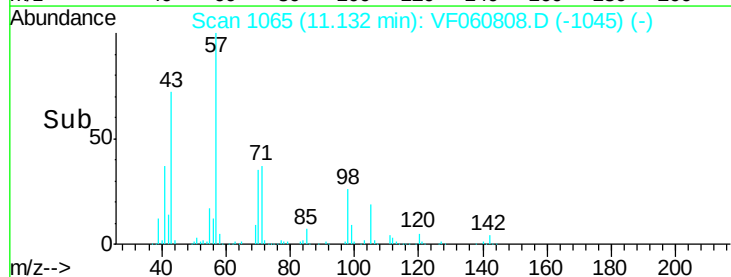
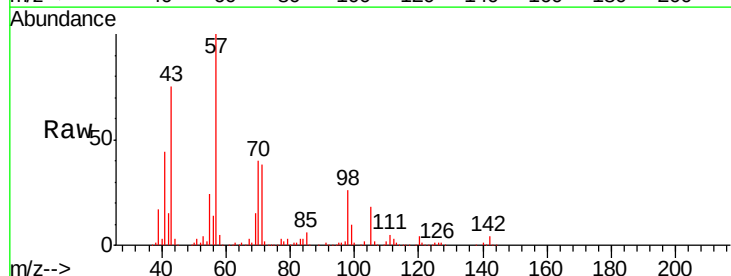
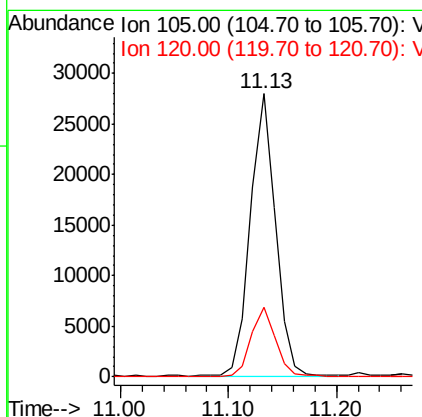
RT: 11.13 min Scan# 1065

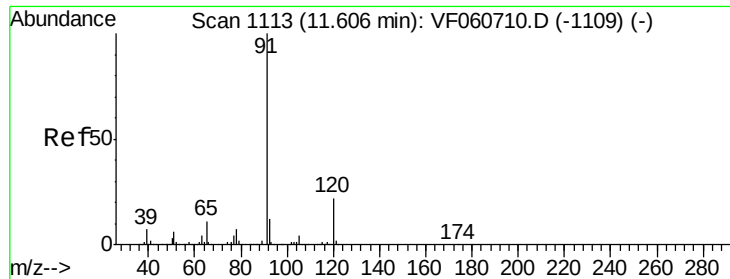
Delta R.T. -0.00 min

Lab File: VF060808.D

Acq: 20 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	13.4	40.1





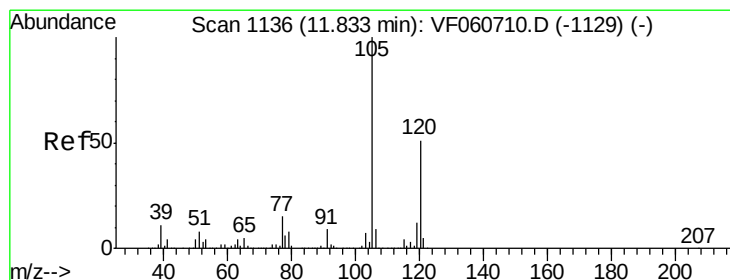
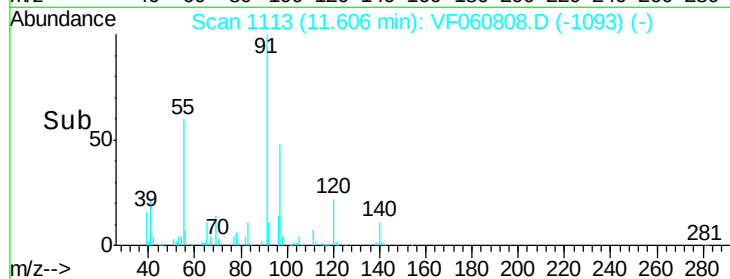
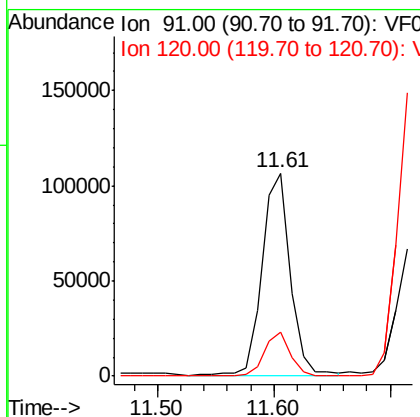
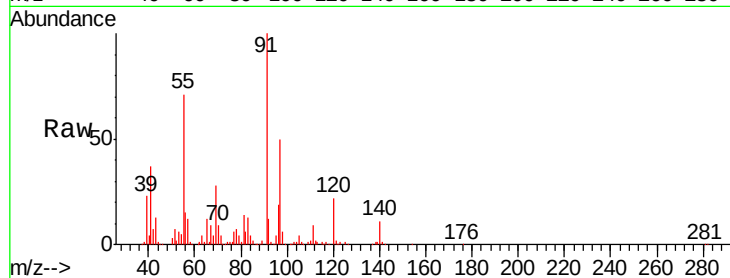
#78
n-propylbenzene
Concen: 16.08 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
SSI-FD-11132018

Tgt Ion: 91 Resp: 176723
Ion Ratio Lower Upper
91 100
120 21.7 11.2 33.5

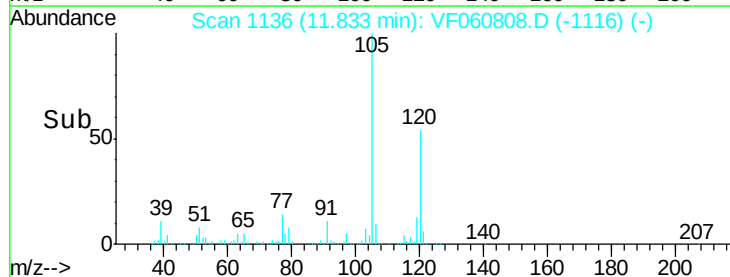
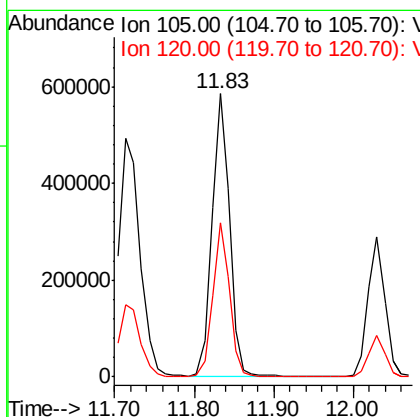
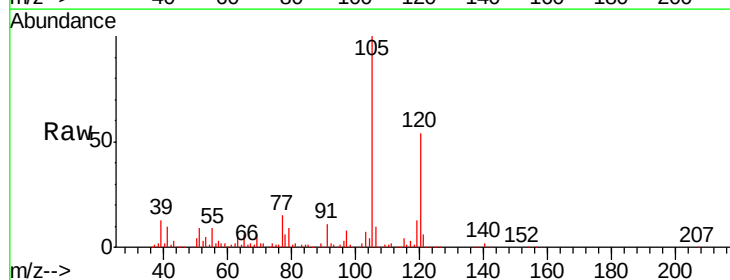
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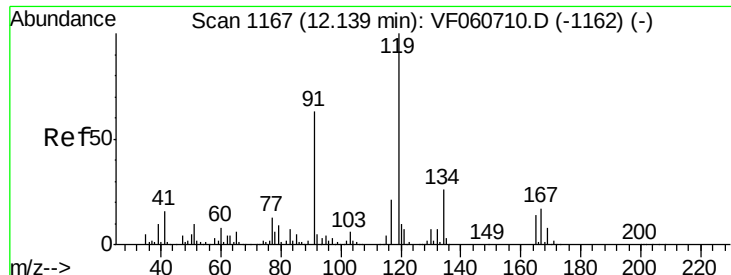
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#80
1,3,5-Trimethylbenzene
Concen: 121.09 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VF060808.D
Acq: 20 Nov 2018 17:44

Tgt Ion: 105 Resp: 906069
Ion Ratio Lower Upper
105 100
120 54.3 25.6 76.8





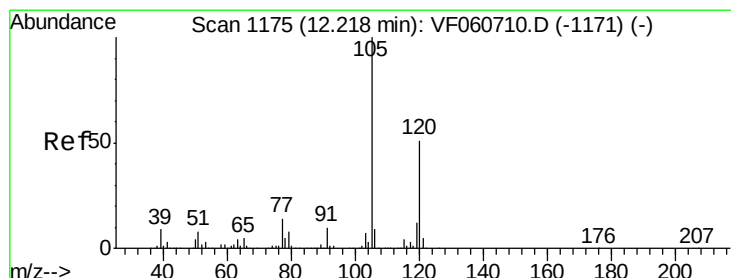
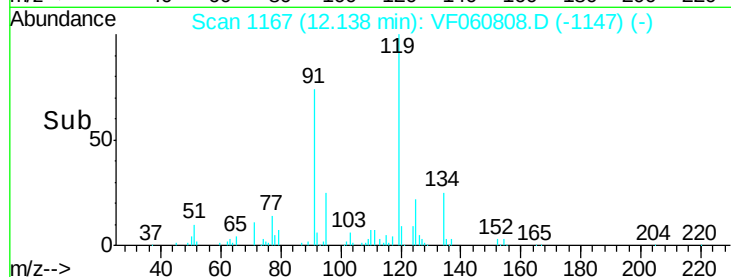
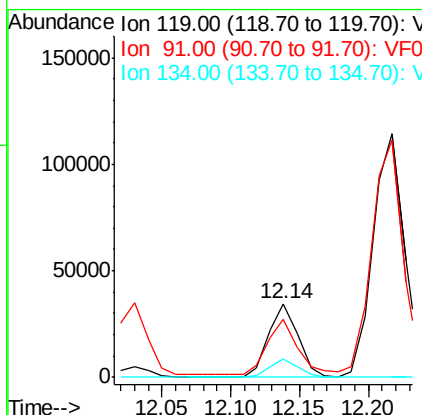
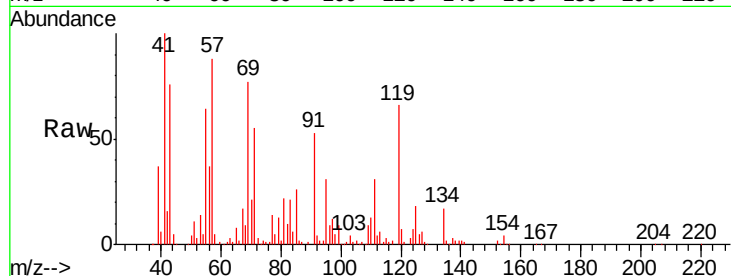
#83
 tert-Butylbenzene
 Concen: 6.60 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-FD-11132018

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.2	31.4	94.3
134	25.2	12.8	38.4

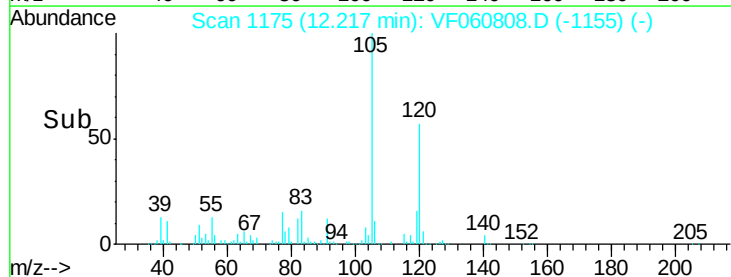
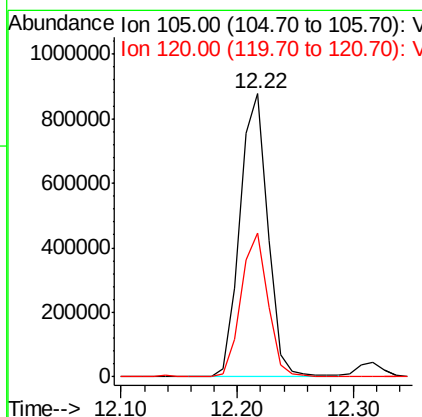
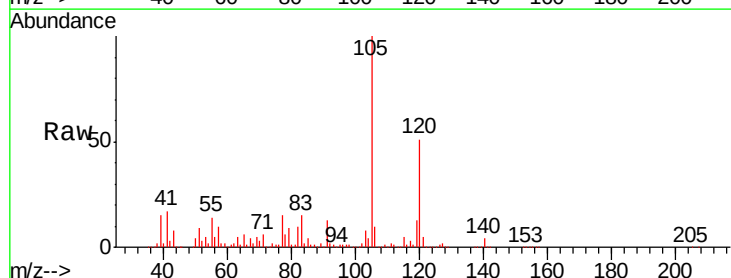
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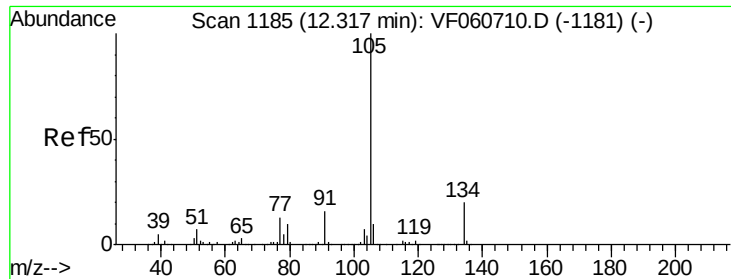
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#84
 1,2,4-Trimethylbenzene
 Concen: 187.67 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.5	76.5





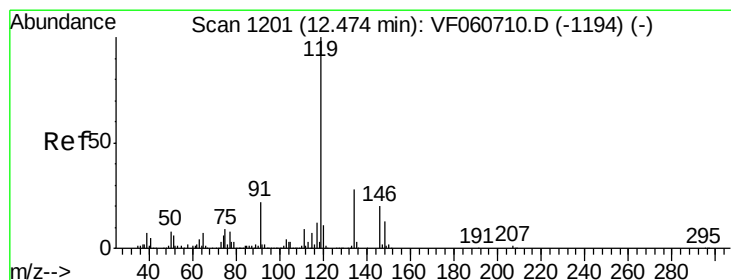
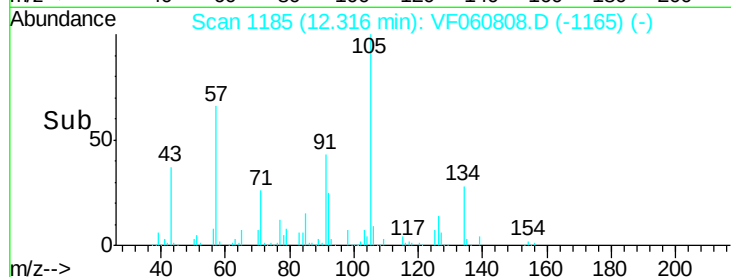
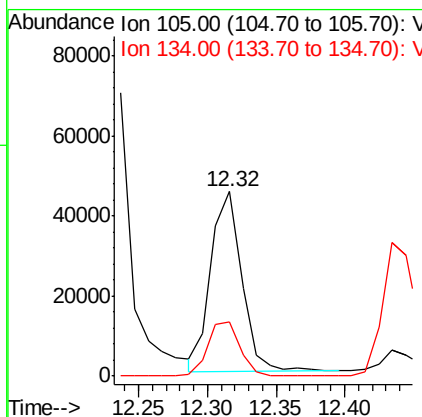
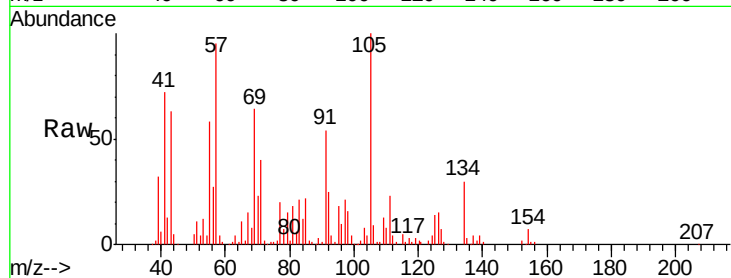
#85
 sec-Butylbenzene
 Concen: 6.48 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-FD-11132018

Tgt Ion:105 Resp: 69862
 Ion Ratio Lower Upper
 105 100
 134 29.5 10.1 30.3

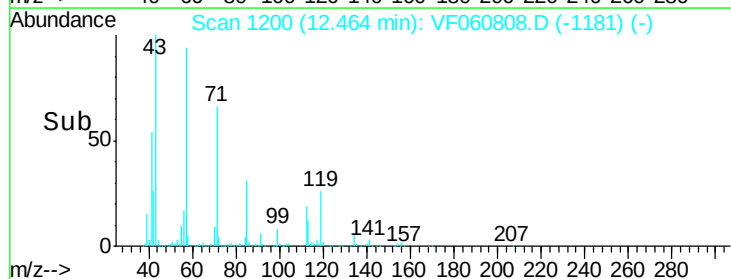
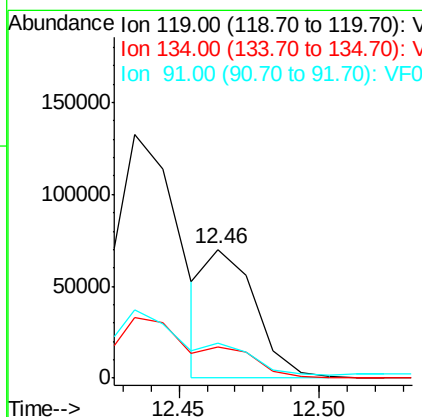
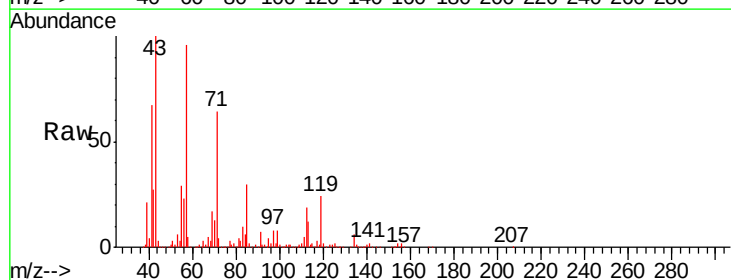
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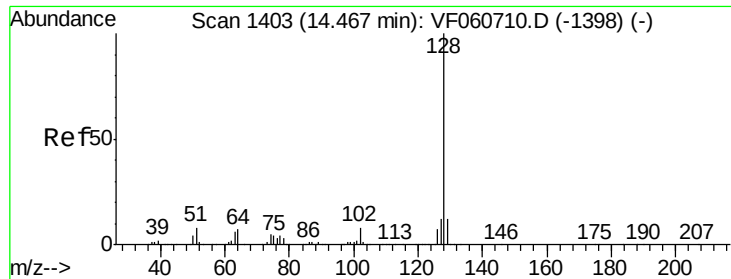
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#86
 p-Isopropyltoluene
 Concen: 9.53 ug/l m
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Tgt Ion:119 Resp: 85813
 Ion Ratio Lower Upper
 119 100
 134 23.8 13.9 41.7
 91 27.2 11.3 33.9





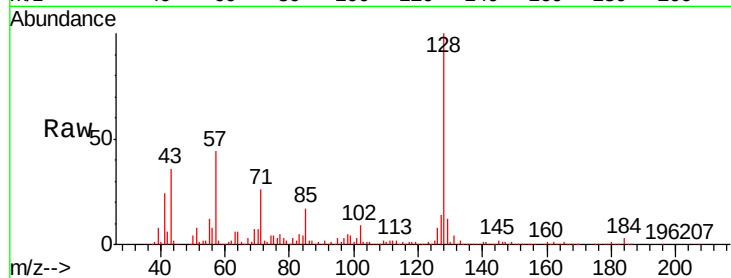
#95
 Naphthalene
 Concen: 84.59 ug/l
 RT: 14.47 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VF060808.D
 Acq: 20 Nov 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-FD-11132018

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.5	9.8	14.6
129	11.8	9.3	13.9

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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

