

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060526.D
 Acq On : 26 Oct 2018 19:51
 Operator : VA/AP
 Sample : J5204-09
 Misc : 6.6/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-102518-A

Manual Integrations
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Quant Time: Oct 27 03:54:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	338454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	556937	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	394668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	153749	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	232332	34.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.08%	
35) Dibromofluoromethane	4.30	113	245879	36.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.66%	
50) Toluene-d8	7.71	98	533152	39.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.60%	
62) 4-Bromofluorobenzene	11.51	95	185085	24.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.60%	
Target Compounds						
					Qvalue	
16) Acetone	2.33	43	73683m	30.660	ug/l	
25) 2-Butanone	4.51	43	16028	13.417	ug/l	96
39) Methylcyclohexane	5.62	83	7411	1.102	ug/l #	76
52) Toluene	7.78	92	182822	20.502	ug/l	93
67) Ethyl Benzene	10.04	91	40067	2.365	ug/l	92
68) m/p-Xylenes	10.27	106	59074	11.106	ug/l	94
69) o-Xylene	10.83	106	24168	4.050	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	18023	1.680	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	45311	4.262	ug/l	96
95) Naphthalene	14.52	128	207070	32.482	ug/l	99

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

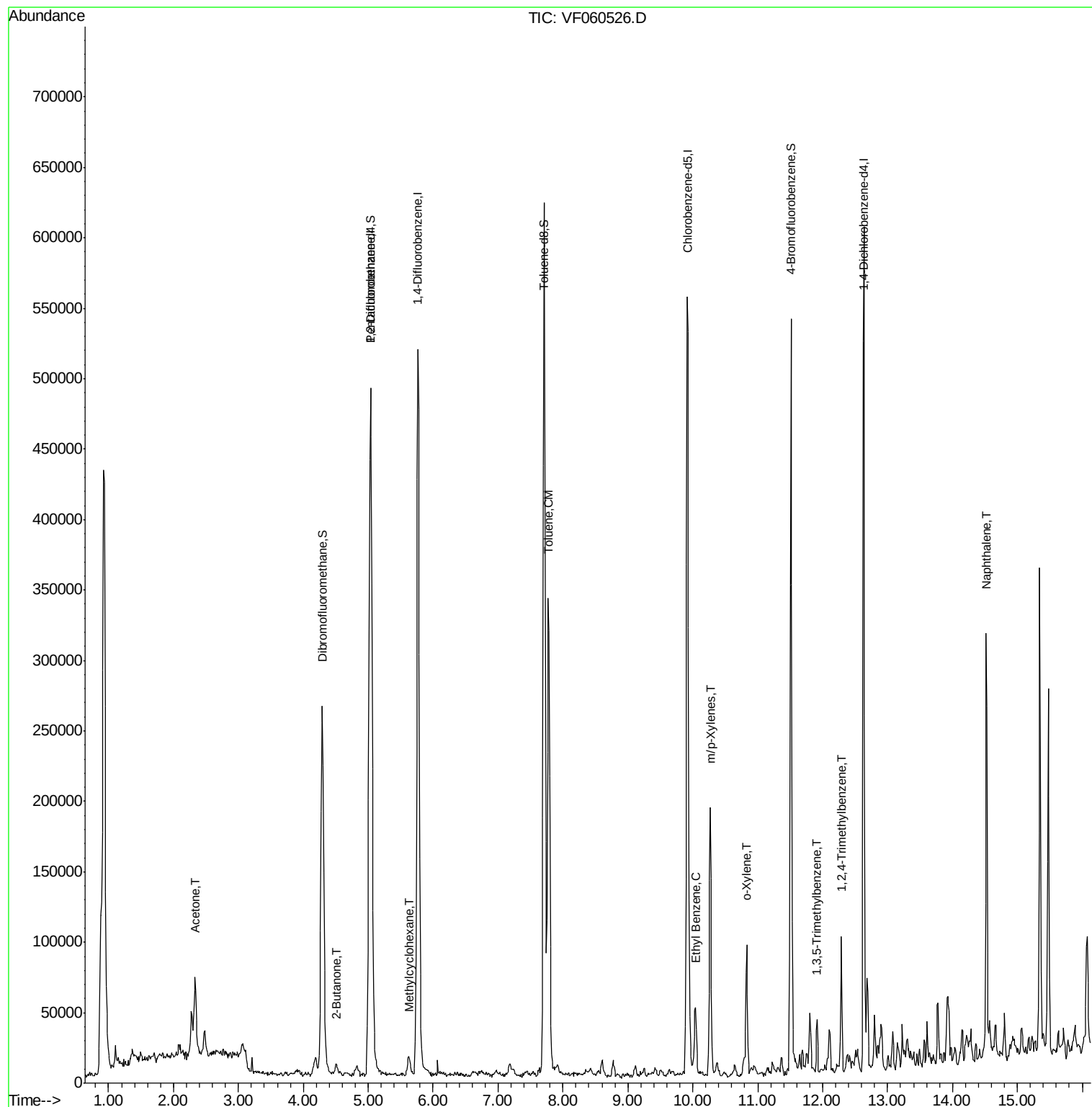
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060526.D
Acq On : 26 Oct 2018 19:51
Operator : VA/AP
Sample : J5204-09
Misc : 6.6/5mL/MSVOA F/SOIL
ALS Vial : 42 Sample Multiplier: 1

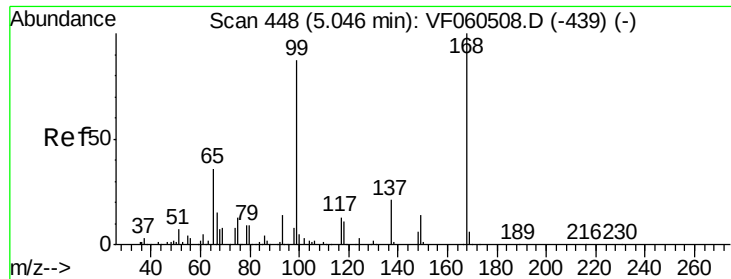
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

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Quant Time: Oct 27 03:54:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-A

Tot Ion:168 Resp: 338454

Ion Ratio Lower Upper

168 100

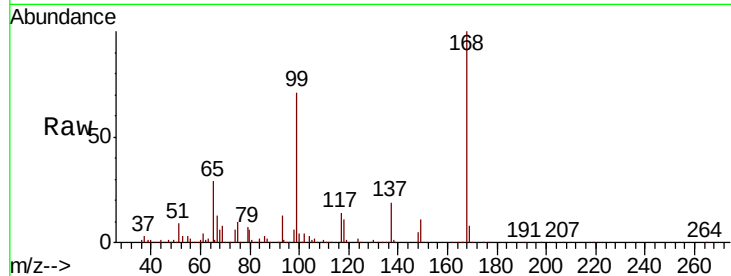
99 71.0 69.9 104.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

120000

100000

80000

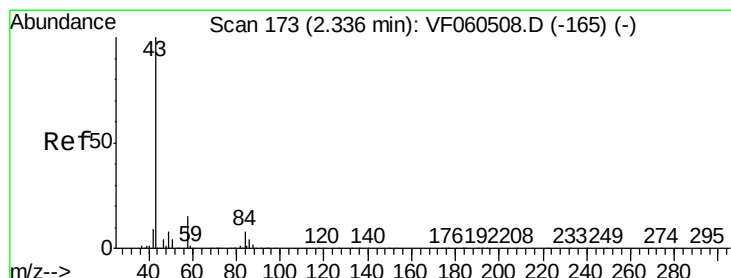
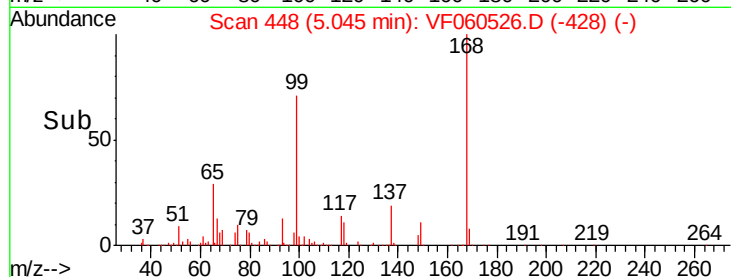
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 30.660 ug/l m

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060526.D

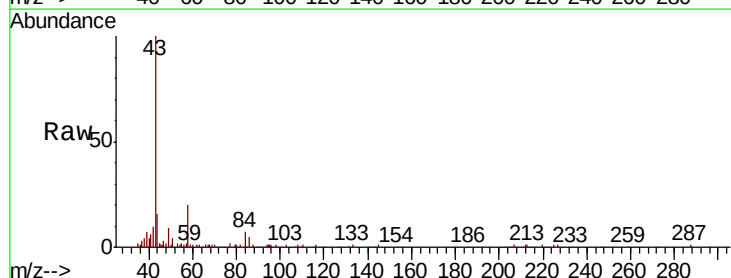
Acq: 26 Oct 2018 19:51

Tgt Ion: 43 Resp: 73683

Ion Ratio Lower Upper

43 100

58 20.1 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

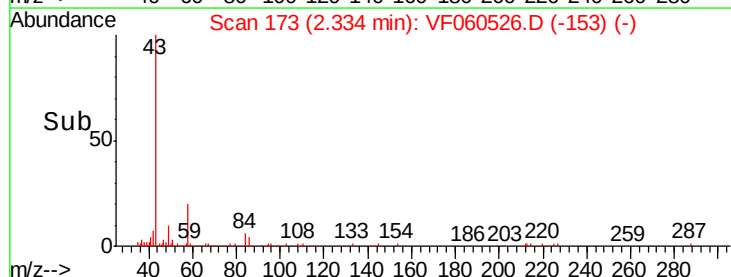
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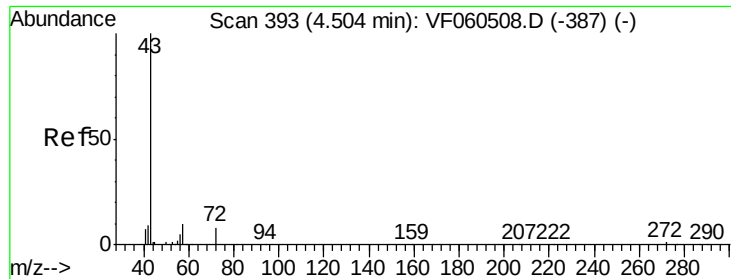
20000

10000

0

Time-->





#25

2-Butanone

Concen: 13.417 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-A

Tot Ion: 43 Resp: 16028

Ion Ratio Lower Upper

43 100

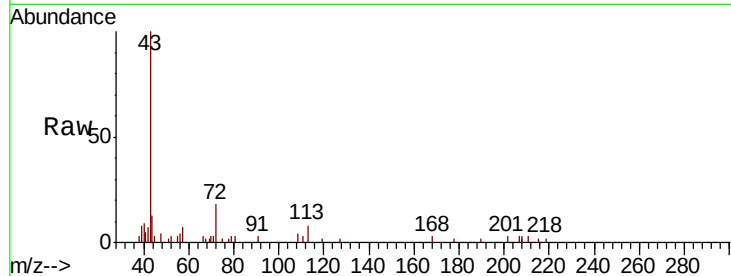
72 18.1 13.0 19.6

Manual Integrations

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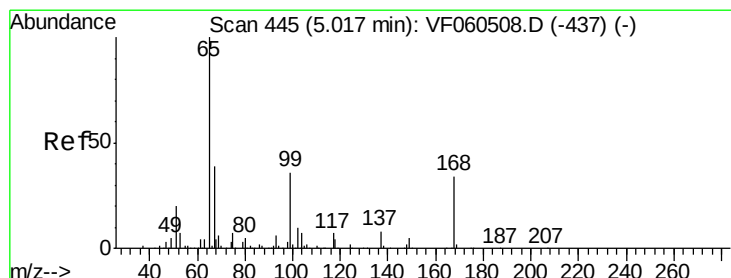
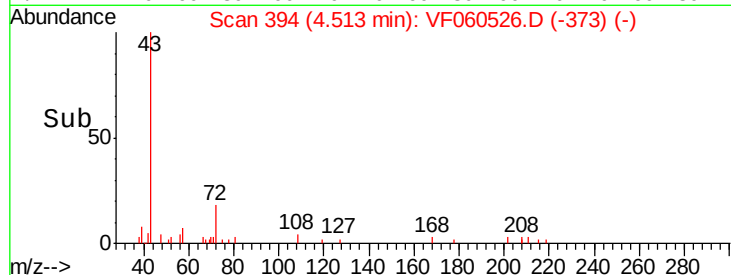
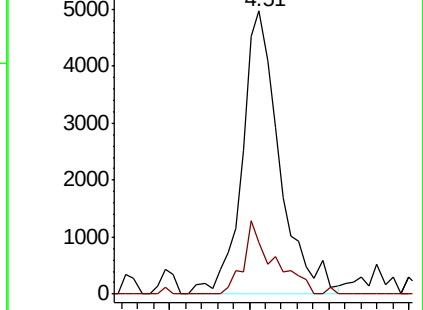
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 34.537 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060526.D

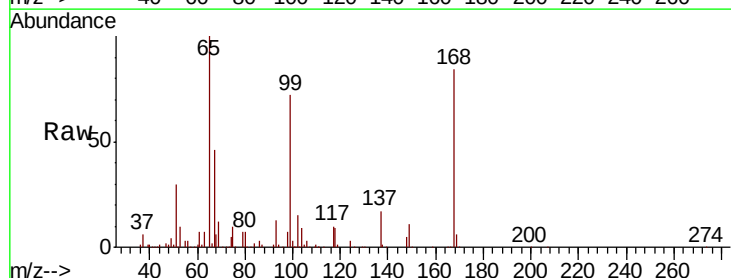
Acq: 26 Oct 2018 19:51

Tgt Ion: 65 Resp: 232332

Ion Ratio Lower Upper

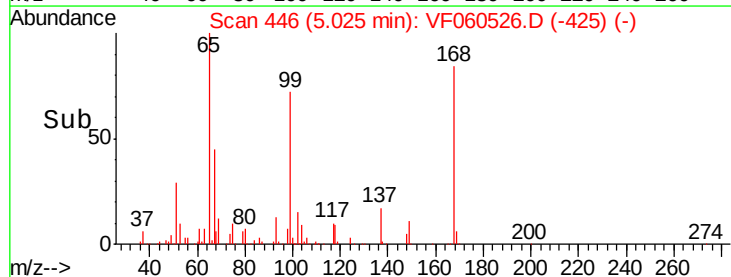
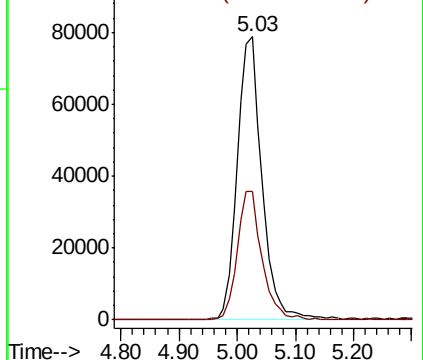
65 100

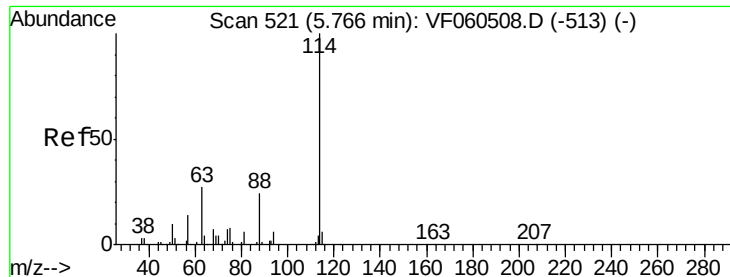
67 45.6 0.0 85.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





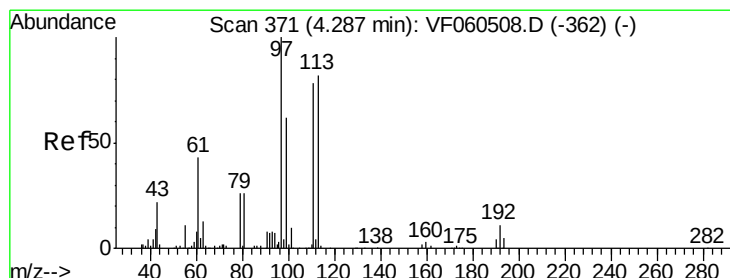
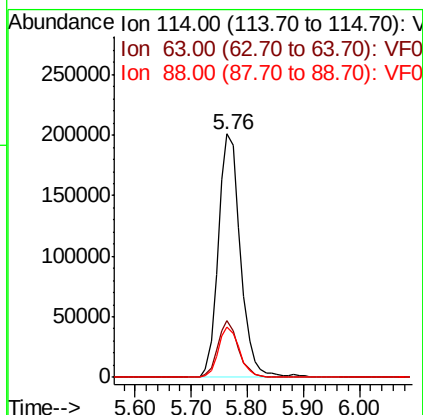
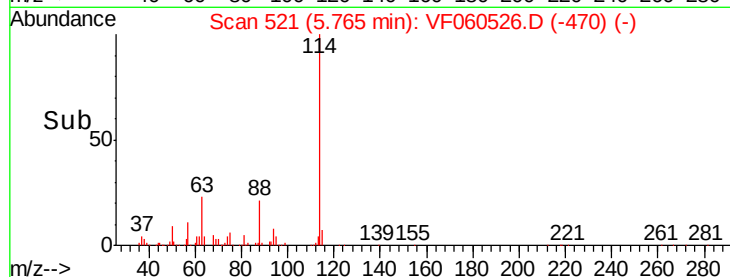
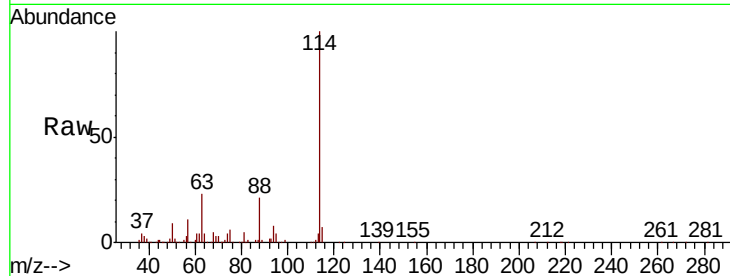
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

Tot Ion:	114	Resp:	556937
Ion Ratio		Lower	Upper
114	100		
63	23.2	0.0	54.4
88	20.9	0.0	47.2

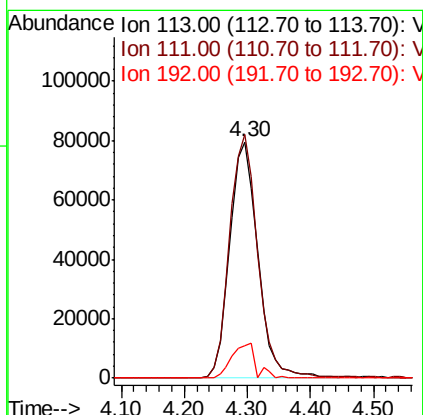
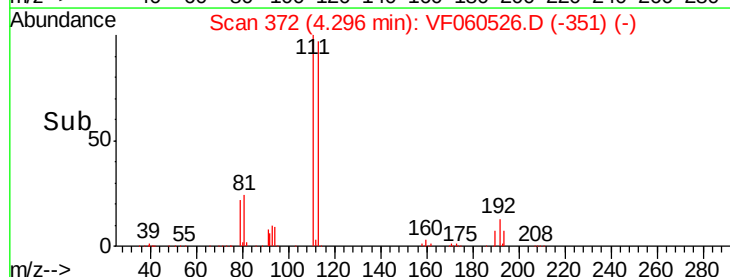
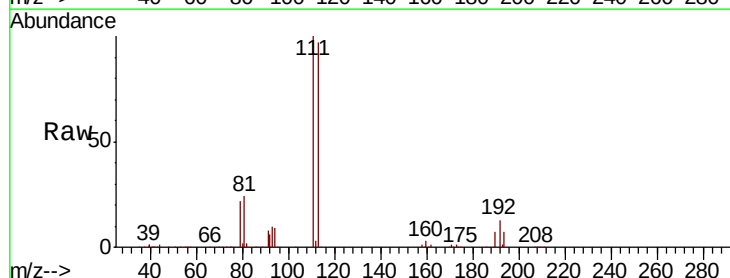
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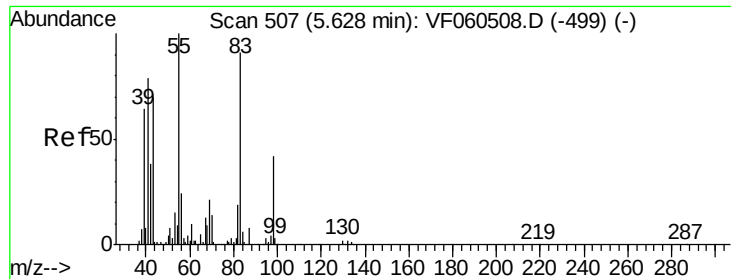
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#35
Dibromofluoromethane
Concen: 36.831 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion:	113	Resp:	245879
Ion Ratio		Lower	Upper
113	100		
111	103.1	75.9	113.9
192	13.6	10.6	15.8





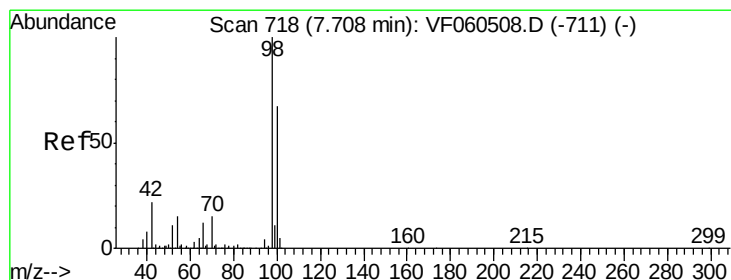
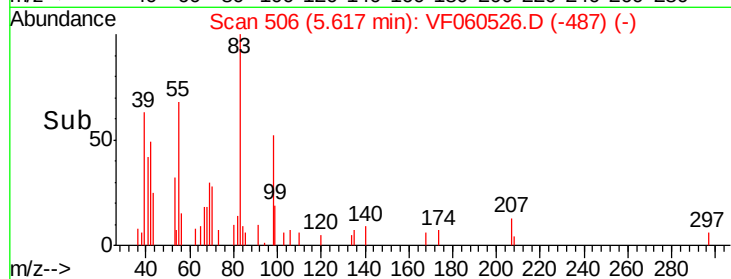
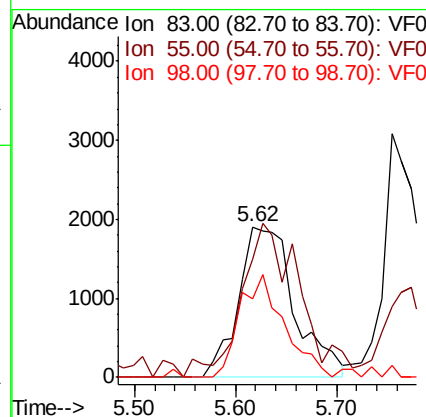
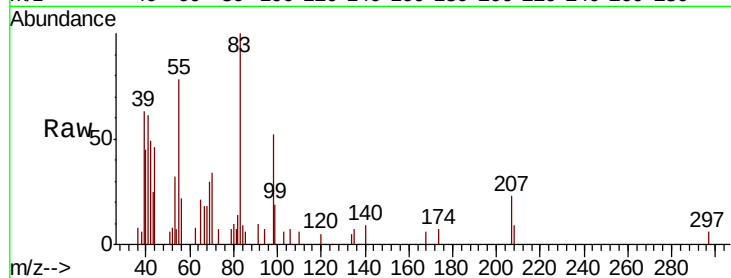
#39
Methylcyclohexane
Concen: 1.102 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	87.9	131.9#
98	52.3	37.0	55.6

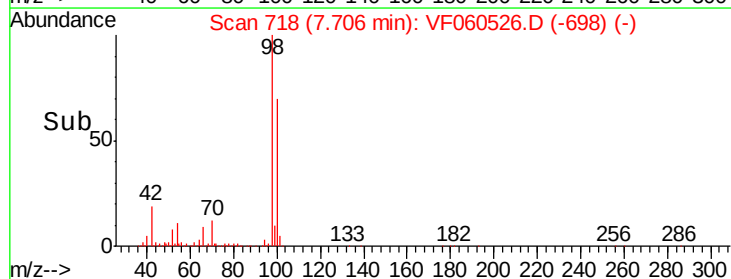
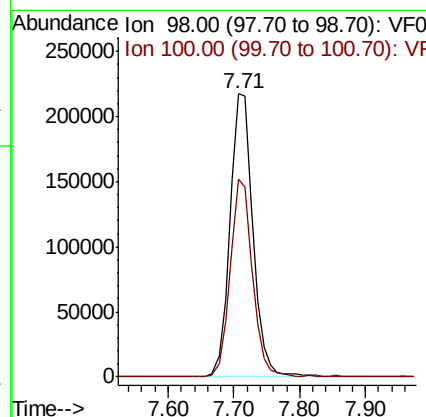
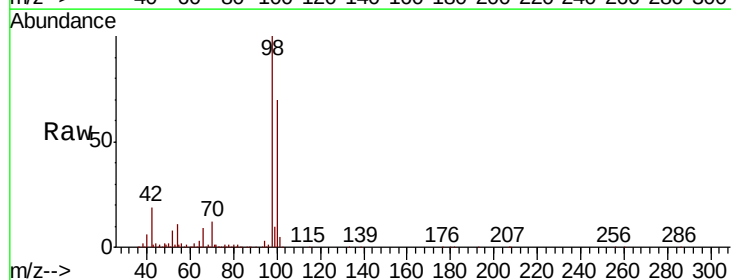
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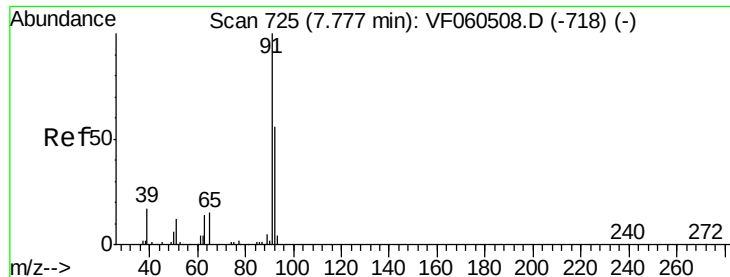
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#50
Toluene-d8
Concen: 39.795 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	53.4	80.0





#52

Toluene

Concen: 20.502 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-A

Tot Ion: 92 Resp: 182822

Ion Ratio Lower Upper

92 100

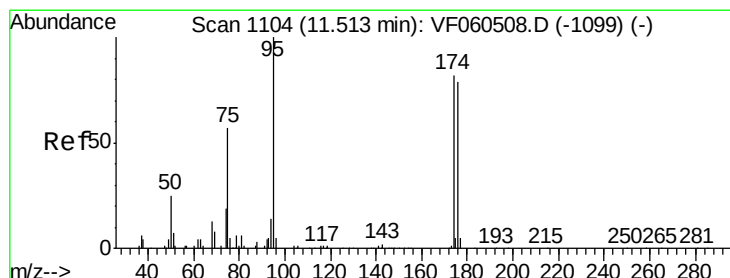
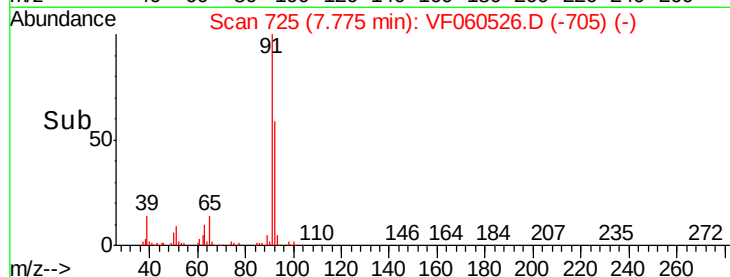
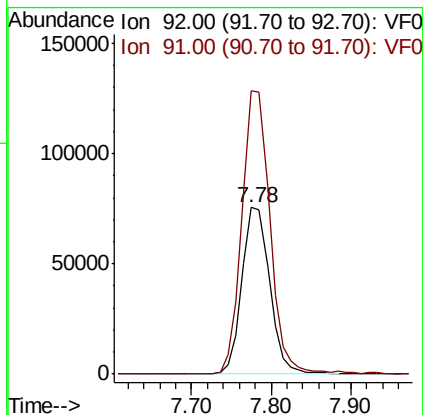
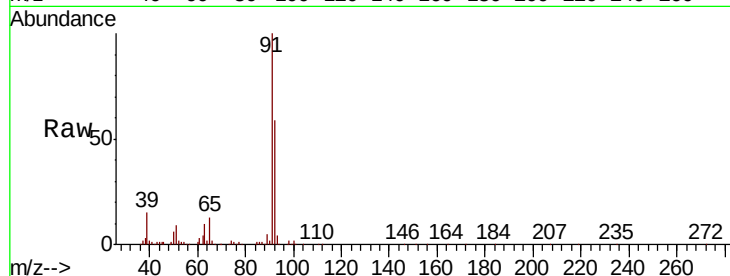
91 169.7 143.8 215.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 24.804 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

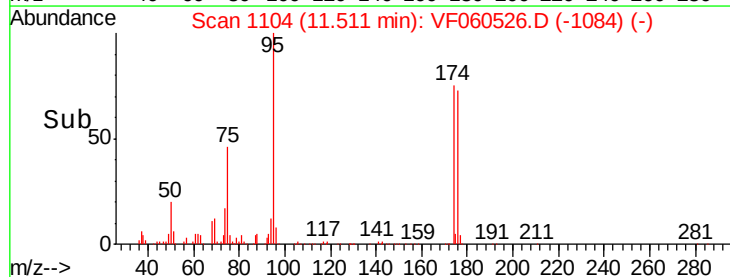
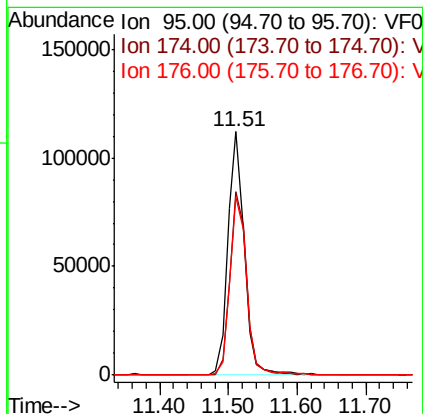
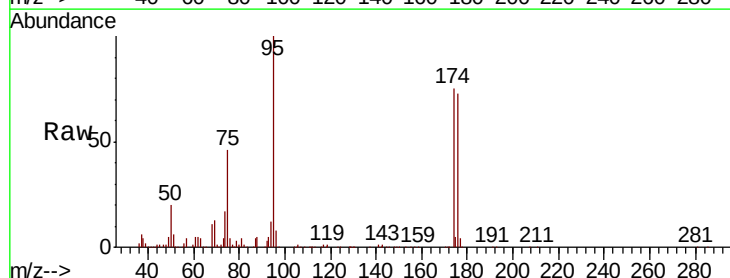
Tgt Ion: 95 Resp: 185085

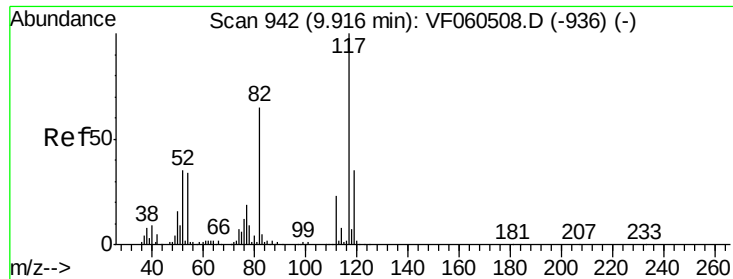
Ion Ratio Lower Upper

95 100

174 75.2 0.0 164.2

176 73.1 0.0 158.4





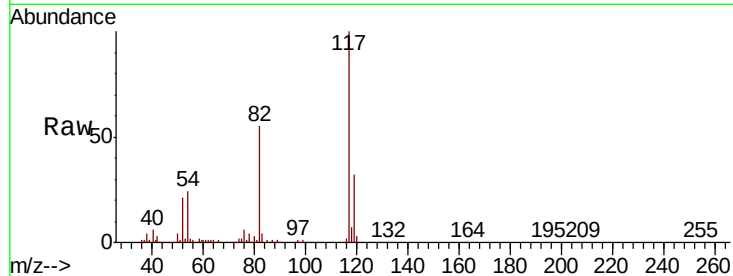
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

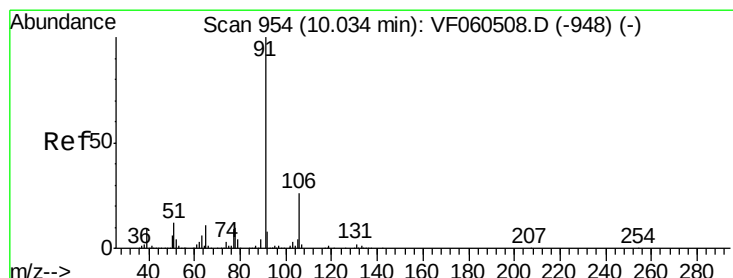
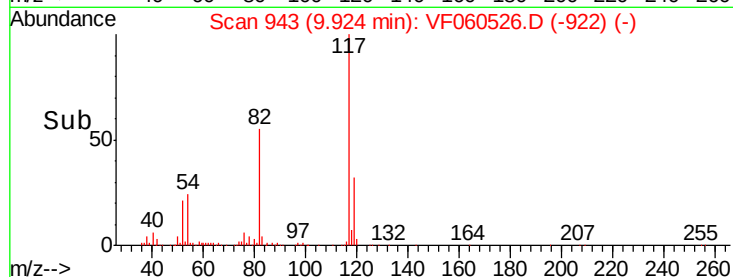
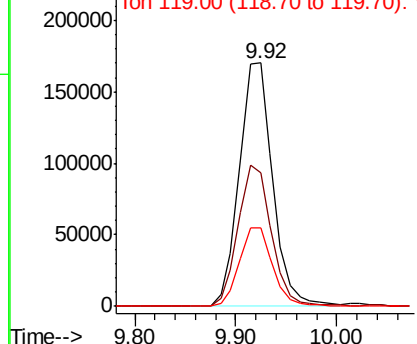
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	51.7	77.5
119	32.4	28.3	42.5

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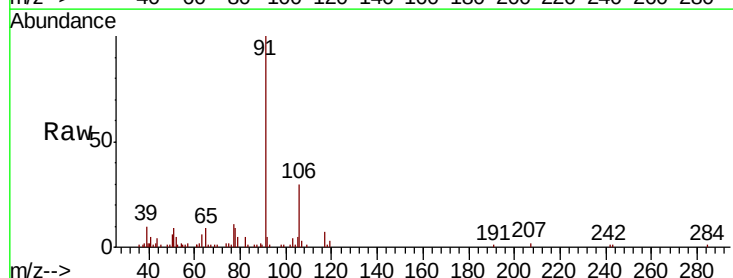


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

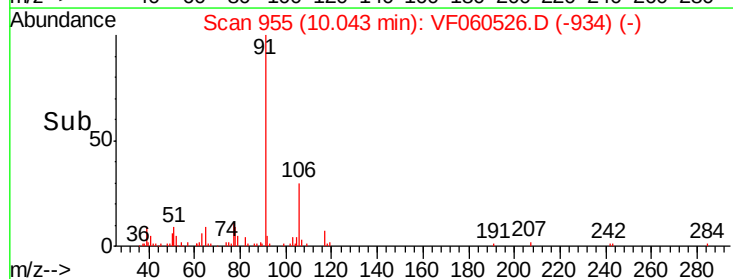
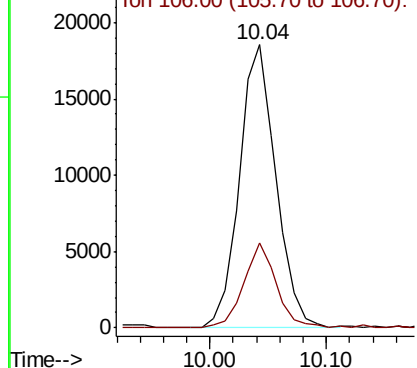


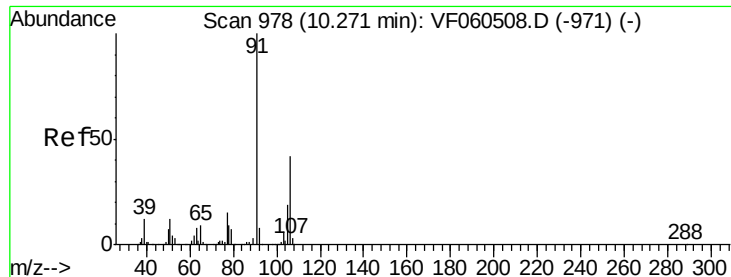
#67
Ethyl Benzene
Concen: 2.365 ug/l
RT: 10.04 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	20.7	31.1



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





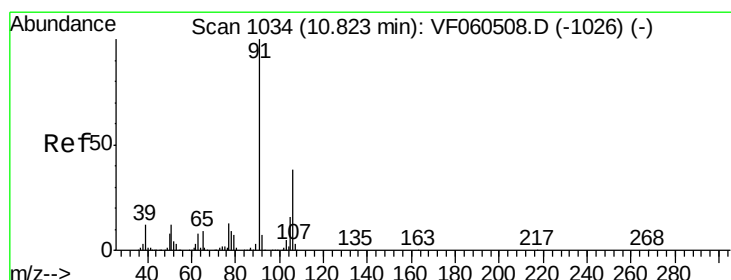
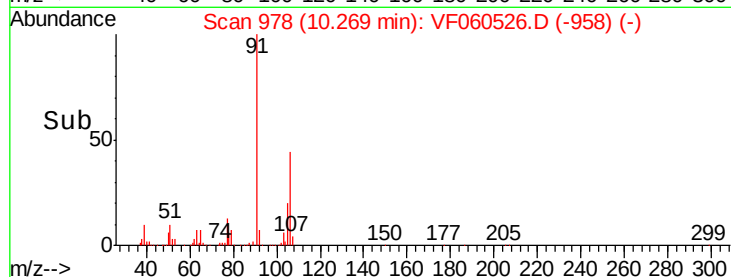
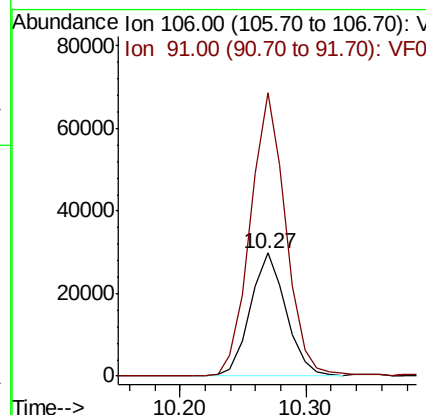
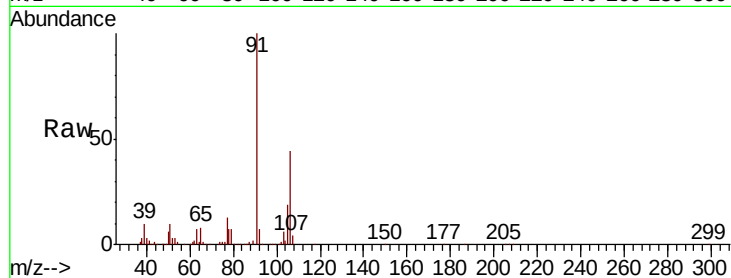
#68
m/p-Xylenes
Concen: 11.106 ug/l
RT: 10.27 min Scan# 978
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

Tot Ion:106 Resp: 59074
Ion Ratio Lower Upper
106 100
91 229.6 192.5 288.7

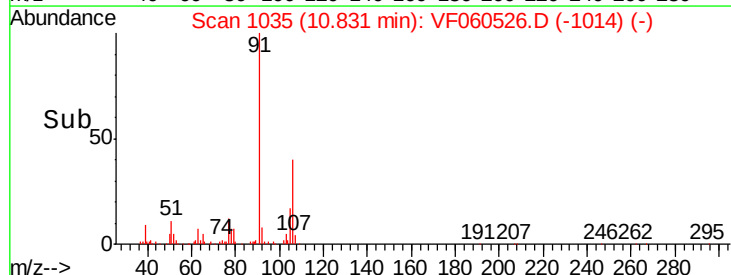
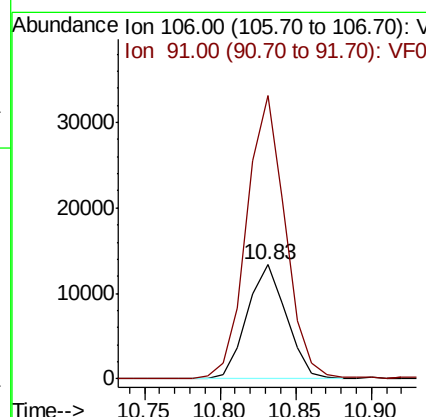
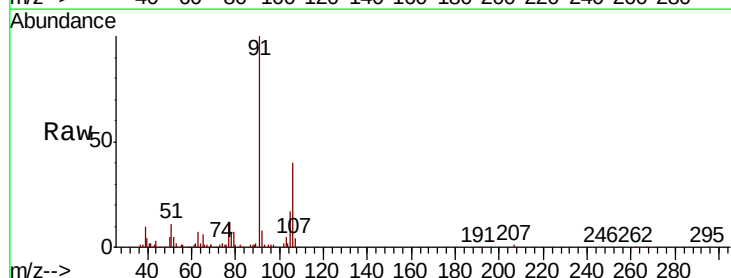
Manual Integrations
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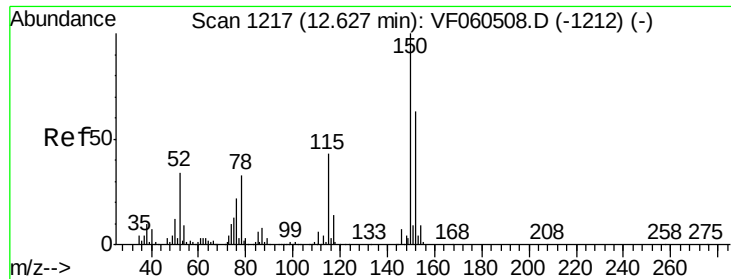
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#69
o-Xylene
Concen: 4.050 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion:106 Resp: 24168
Ion Ratio Lower Upper
106 100
91 248.6 130.9 392.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

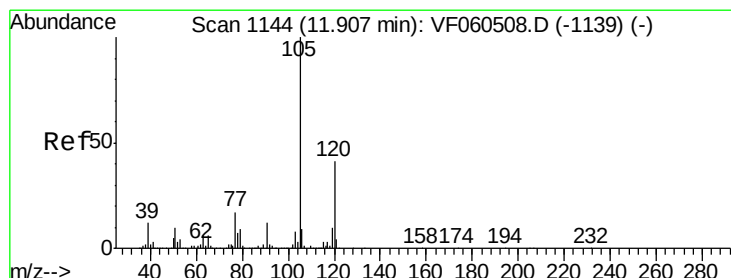
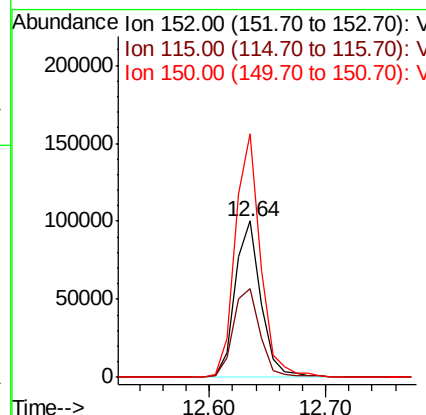
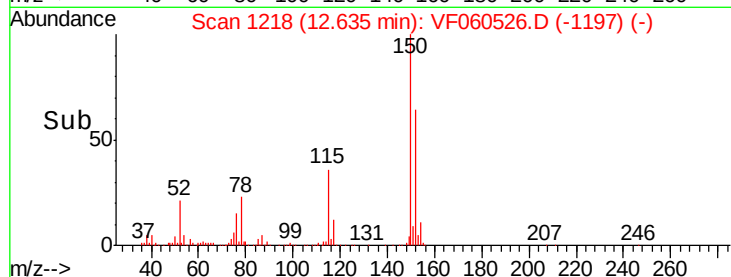
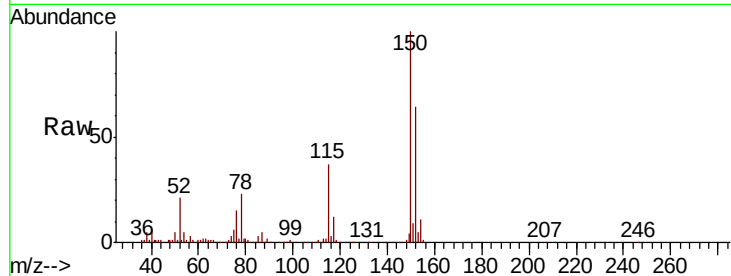
ClientSampleId :

SU-02-102518-A

Tot Ion:	152	Resp:	153749
Ion Ratio	Lower	Upper	
152	100		
115	57.0	34.6	103.9
150	156.0	0.0	319.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 1.680 ug/l

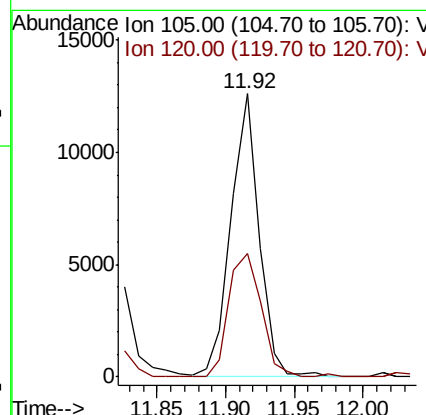
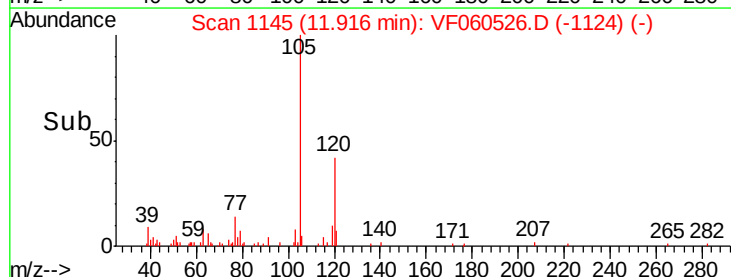
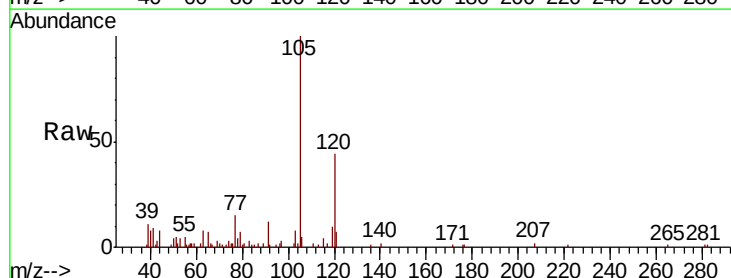
RT: 11.92 min Scan# 1145

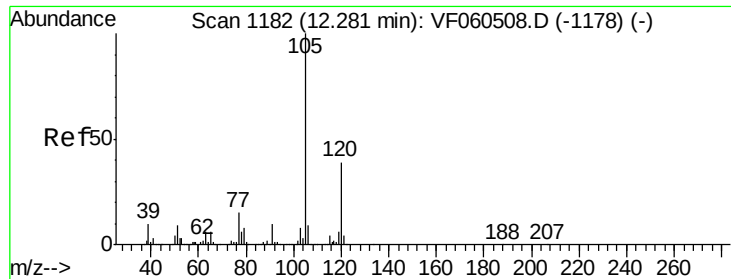
Delta R.T. 0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Tgt Ion:	105	Resp:	18023
Ion Ratio	Lower	Upper	
105	100		
120	43.6	20.6	61.9





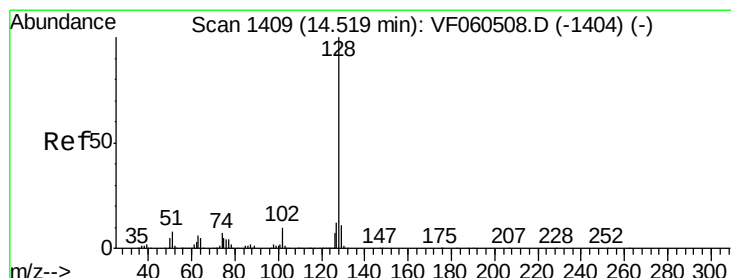
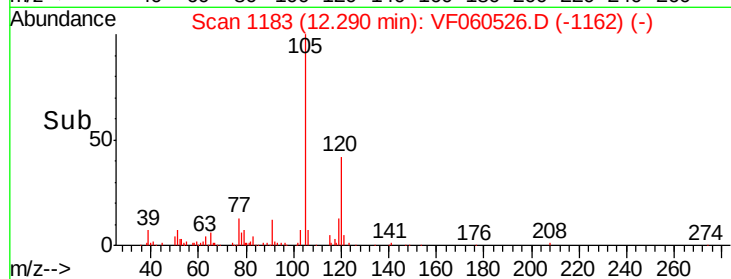
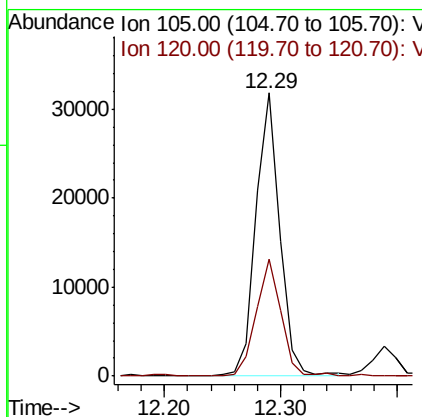
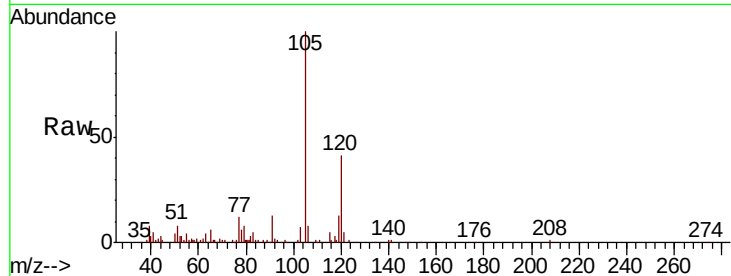
#84
 1,2,4-Trimethylbenzene
 Concen: 4.262 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-102518-A

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.3	19.4	58.1

Manual Integrations
 APPROVED

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#95
 Naphthalene
 Concen: 32.482 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.9	8.9	13.3

