

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060525.D
 Acq On : 26 Oct 2018 19:23
 Operator : VA/AP
 Sample : J5515-14
 Misc : 6.06/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AOC2-01B

Manual Integrations
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Quant Time: Oct 27 03:48:30 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	5.05	168	10542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	12424	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	9322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	2503	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	2486	11.86	ug/l	0.01
Spiked Amount 50.000			Recovery	=	23.72%	
35) Dibromofluoromethane	4.29	113	3567	23.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.90%	
50) Toluene-d8	7.71	98	15087	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.51	95	7296	43.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.66%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.93	56	72819	453.859	ug/l #	65
39) Methylcyclohexane	5.63	83	85362	568.836	ug/l	92
40) Benzene	4.81	78	315308	1042.239	ug/l	98
52) Toluene	7.78	92	1009446	5074.427	ug/l	85
67) Ethyl Benzene	10.04	91	476787	1191.349	ug/l	94
68) m/p-Xylenes	10.27	106	500223	3981.397	ug/l	91
69) o-Xylene	10.83	106	167883	1191.200	ug/l	84
73) Isopropylbenzene	11.23	105	55475	279.000	ug/l	96
78) n-propylbenzene	11.68	91	237265	1020.685	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	209269	1198.436	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	487576	2816.853	ug/l	91
85) sec-Butylbenzene	12.38	105	17978	75.946	ug/l #	64
86) p-Isopropyltoluene	12.52	119	5518m	27.437	ug/l	
89) n-Butylbenzene	12.92	91	26200	122.470	ug/l	86

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

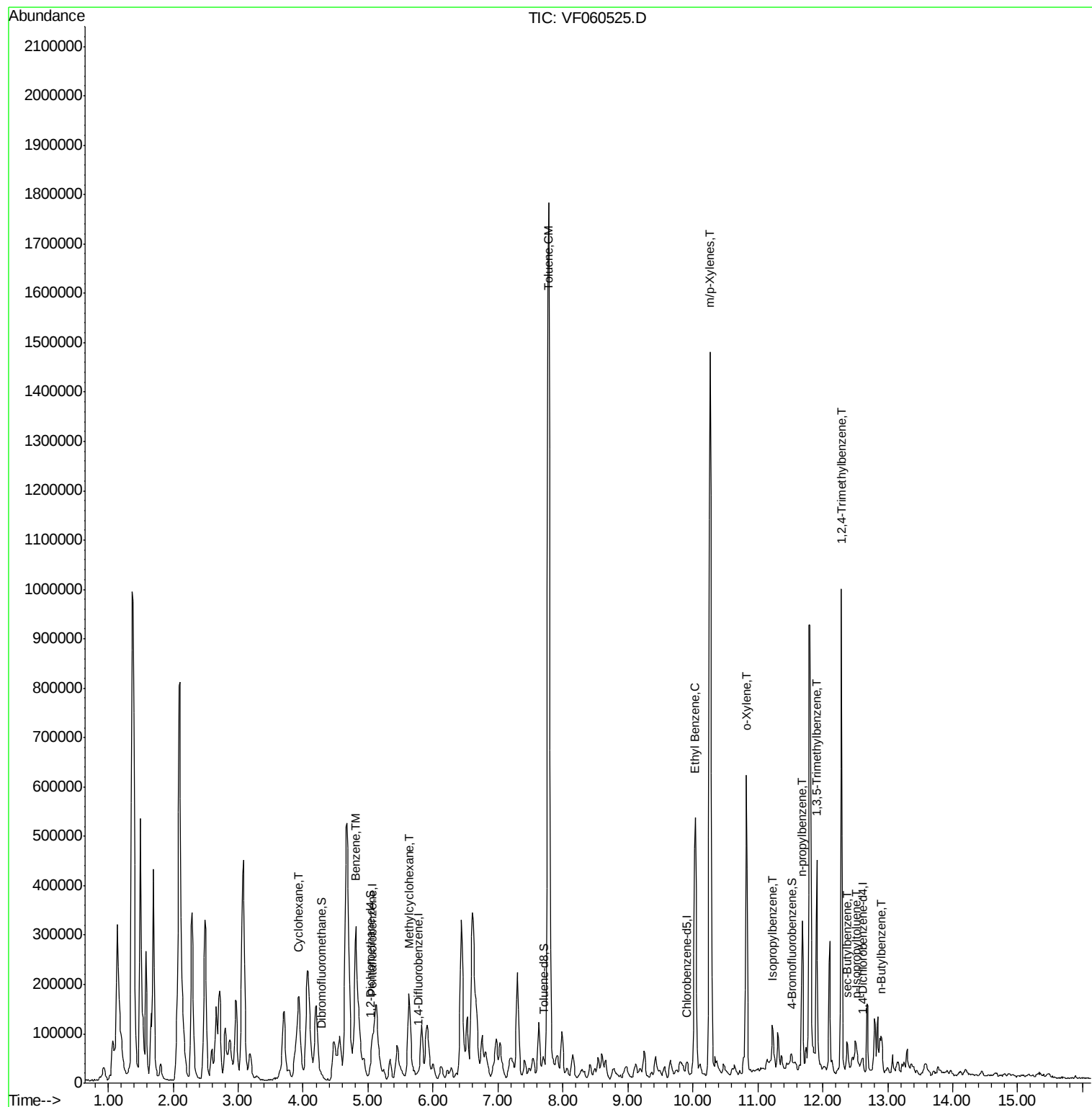
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060525.D
Acq On : 26 Oct 2018 19:23
Operator : VA/AP
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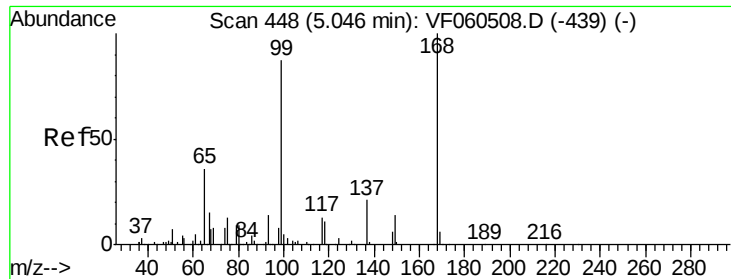
Instrument :
MSVOA_F
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AOC2-01B

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Quant Time: Oct 27 03:48:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
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#1

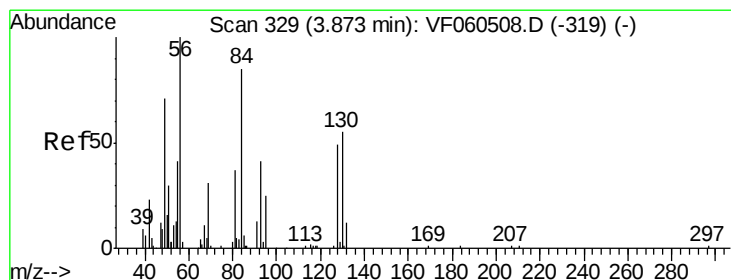
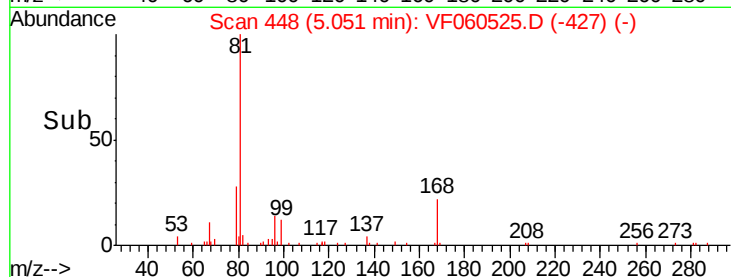
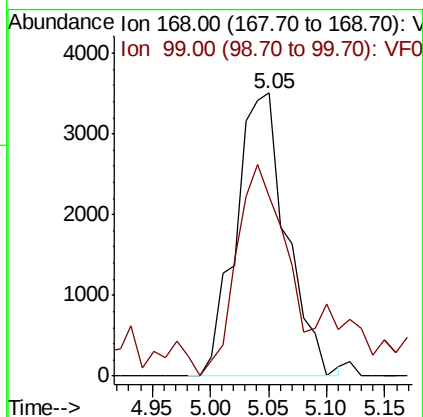
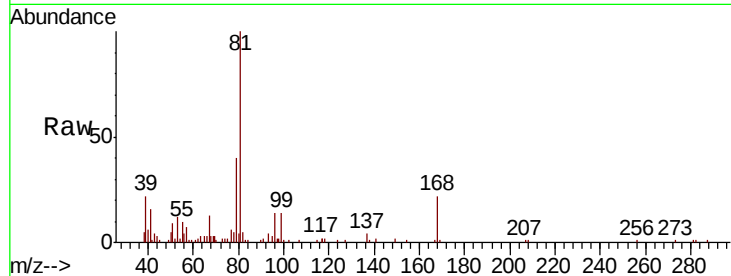
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.05 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: VF060525.D
 Acq: 26 Oct 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 AOC2-01B

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.7	69.9	104.9#

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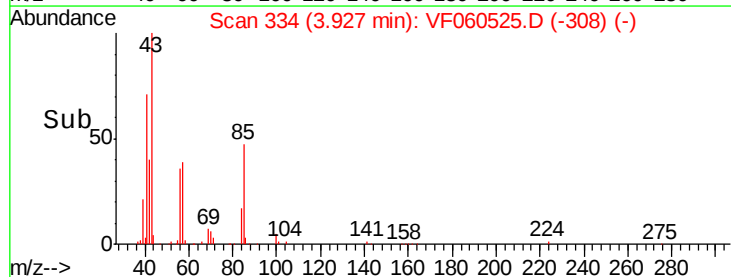
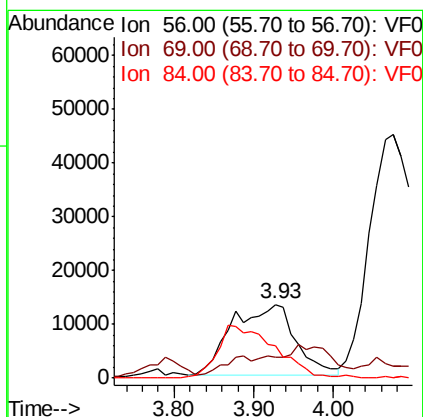
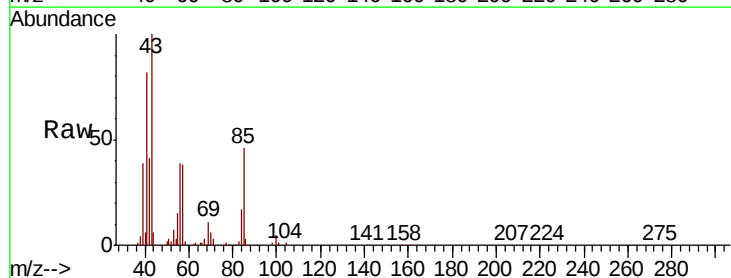
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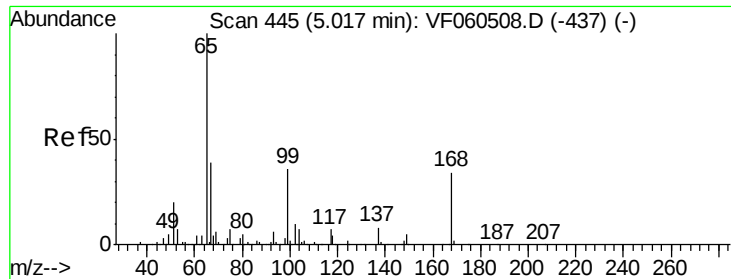


#31

Cyclohexane
 Concen: 453.859 ug/l
 RT: 3.93 min Scan# 334
 Delta R.T. 0.05 min
 Lab File: VF060525.D
 Acq: 26 Oct 2018 19:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	24.6	37.0
84	43.3	68.2	102.2#





#33

1,2-Dichloroethane-d4

Concen: 11.865 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

AOC2-01B

Tot Ion: 65 Resp: 2486

Ion Ratio Lower Upper

65 100

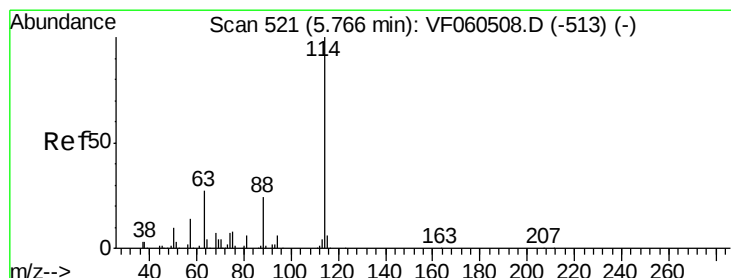
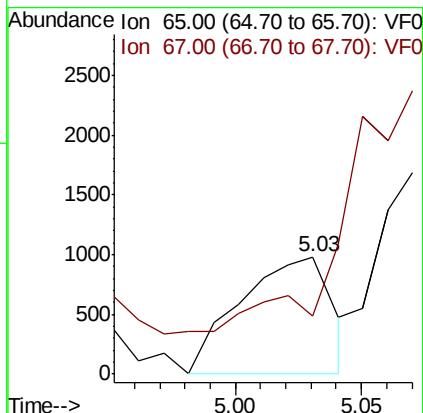
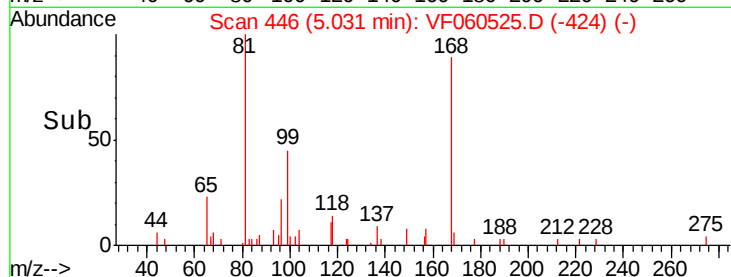
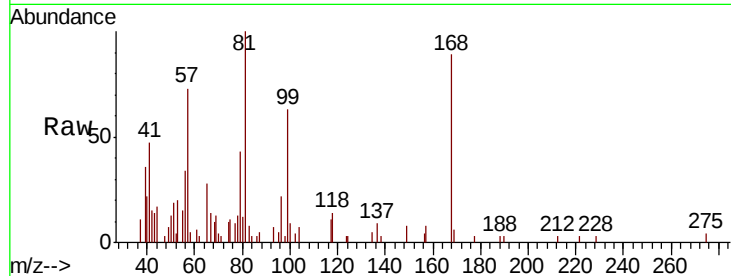
67 49.8 0.0 85.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

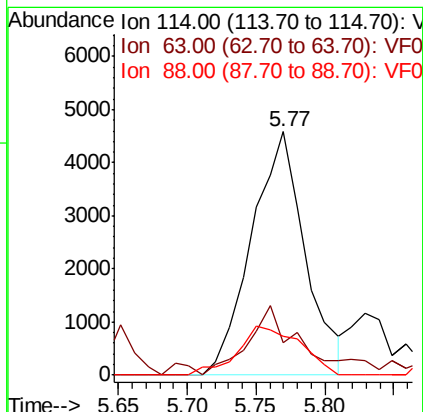
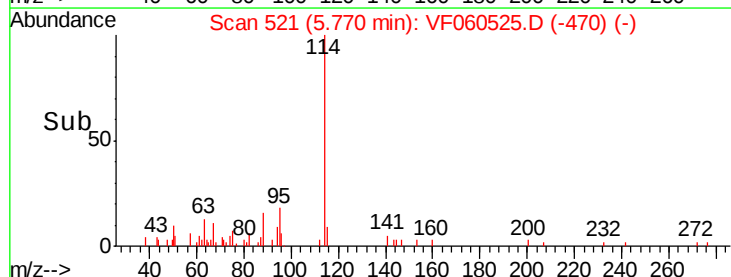
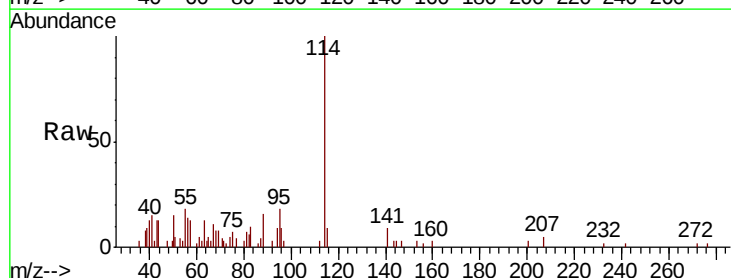
Tgt Ion: 114 Resp: 12424

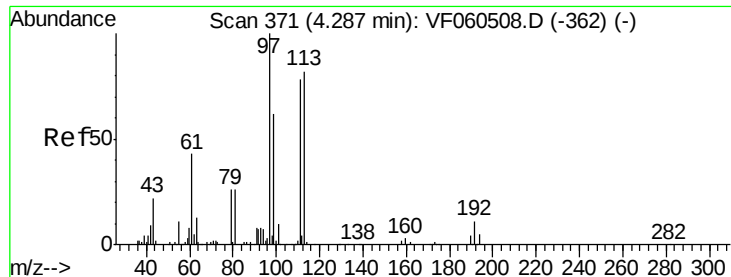
Ion Ratio Lower Upper

114 100

63 13.5 0.0 54.4

88 16.1 0.0 47.2





#35

Dibromofluoromethane

Concen: 23.952 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

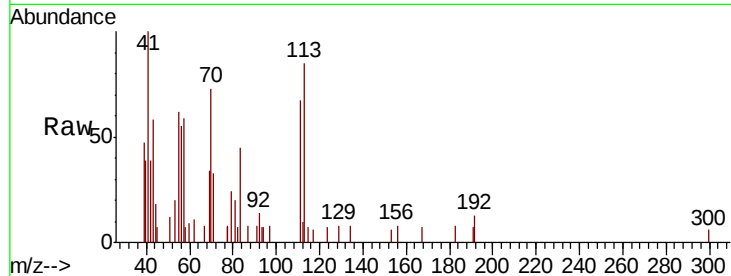
ClientSampleId :

AOC2-01B

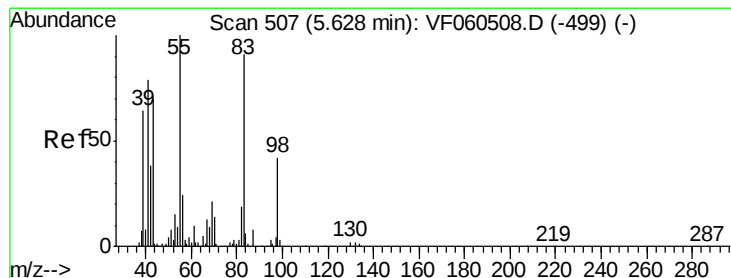
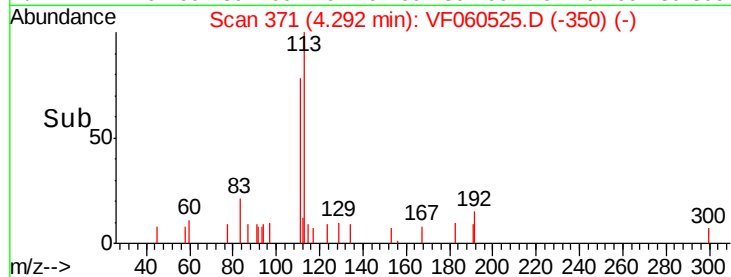
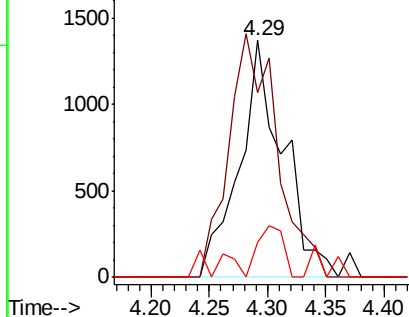
Tot Ion:	113	Resp:	3567
Ion	Ratio	Lower	Upper
113	100		
111	78.1	75.9	113.9
192	14.7	10.6	15.8

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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: 568.836 ug/l

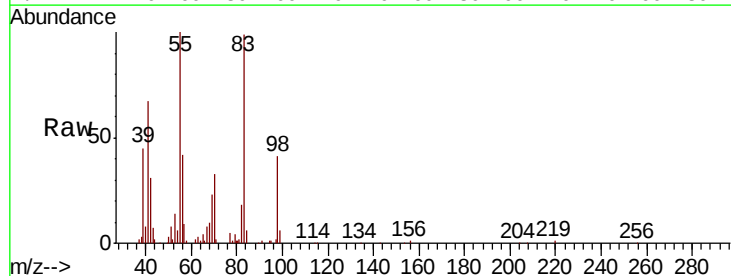
RT: 5.63 min Scan# 507

Delta R.T. 0.00 min

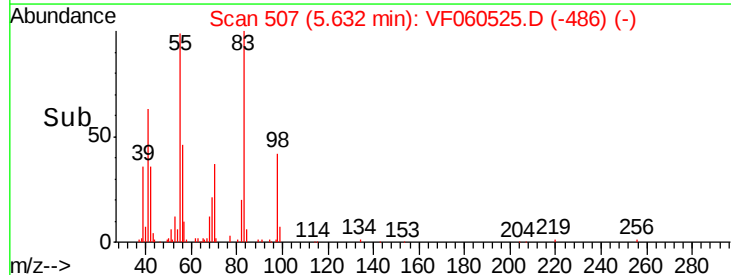
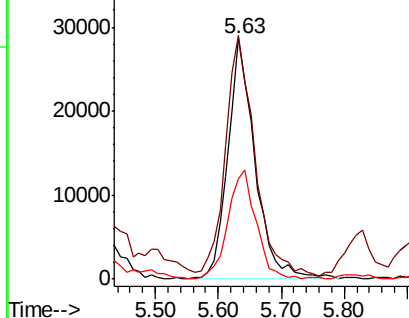
Lab File: VF060525.D

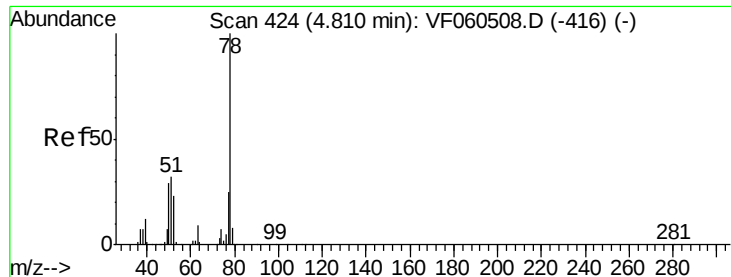
Acq: 26 Oct 2018 19:23

Tgt Ion:	83	Resp:	85362
Ion	Ratio	Lower	Upper
83	100		
55	101.2	87.9	131.9
98	41.5	37.0	55.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 1042.239 ug/l

RT: 4.81 min Scan# 424

Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

AOC2-01B

Tot Ion: 78 Resp: 315308

Ion Ratio Lower Upper

78 100

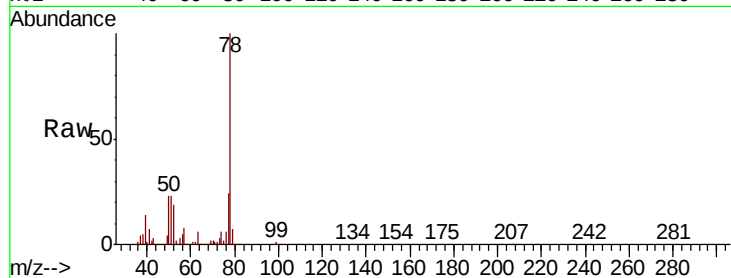
77 24.4 20.2 30.4

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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.81

120000

100000

80000

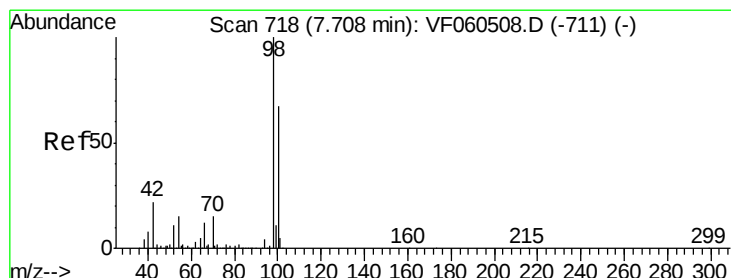
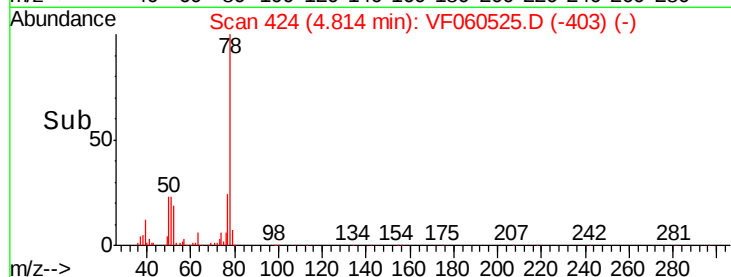
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 50.481 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060525.D

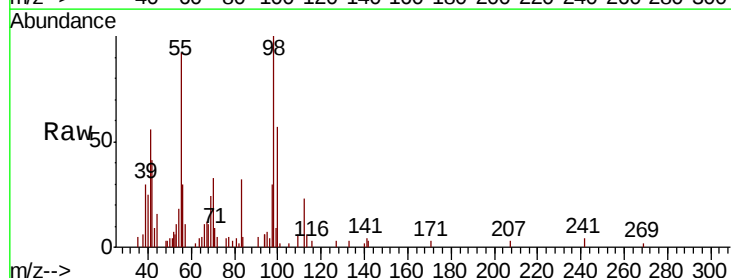
Acq: 26 Oct 2018 19:23

Tgt Ion: 98 Resp: 15087

Ion Ratio Lower Upper

98 100

100 56.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

6000

5000

4000

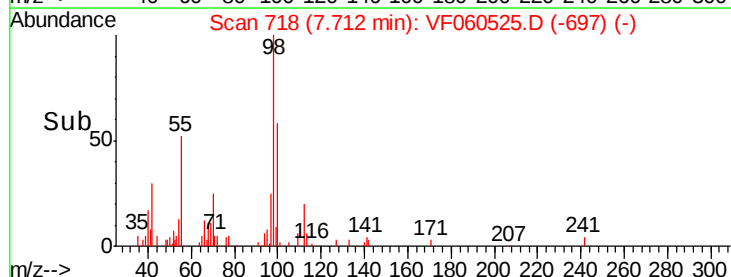
3000

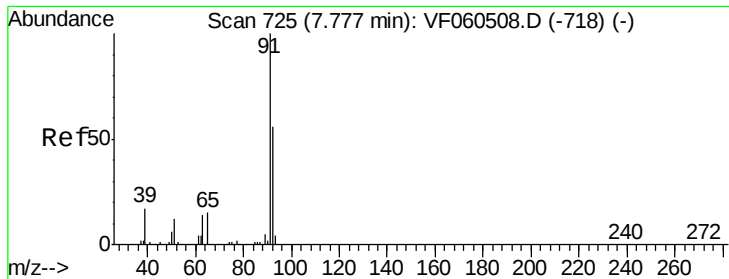
2000

1000

0

Time-->





#52

Toluene

Concen: 5074.427 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleId :

AOC2-01B

Tot Ion: 92 Resp: 1009446

Ion Ratio Lower Upper

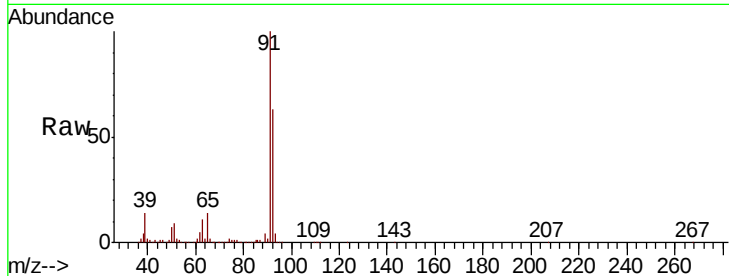
92 100

91 158.3 143.8 215.8

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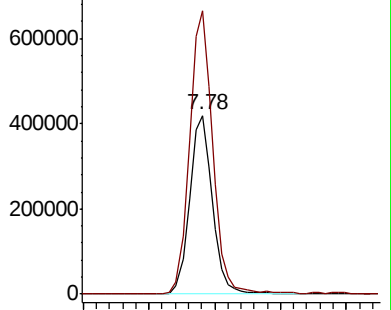
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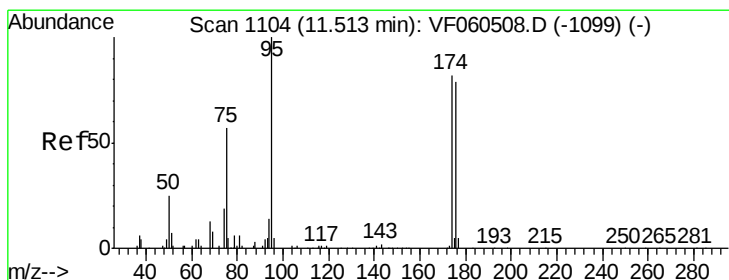
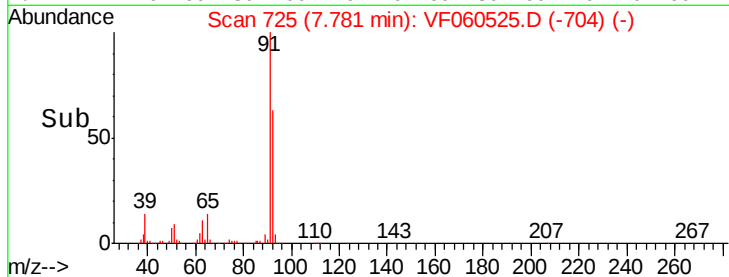


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time--> 7.60 7.70 7.80 7.90 8.00



#62

4-Bromofluorobenzene

Concen: 43.831 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

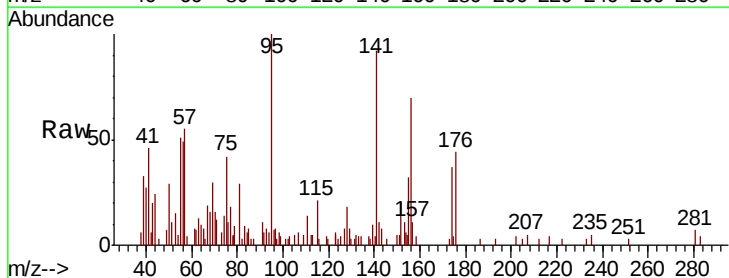
Tgt Ion: 95 Resp: 7296

Ion Ratio Lower Upper

95 100

174 40.3 0.0 164.2

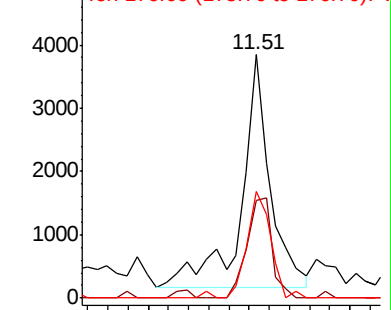
176 43.6 0.0 158.4



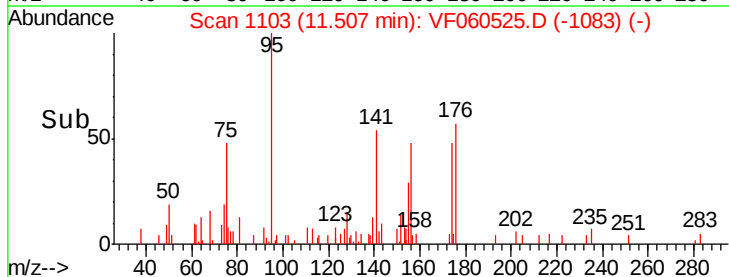
Abundance Ion 95.00 (94.70 to 95.70): VF0

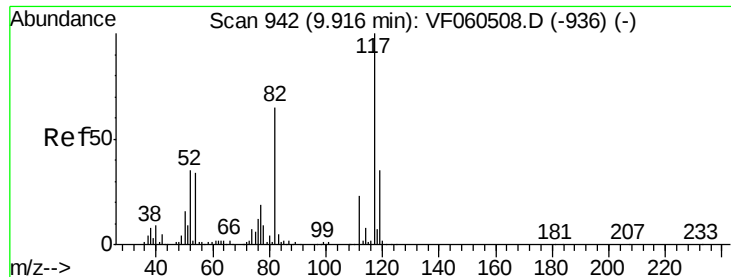
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time--> 11.40 11.50 11.60





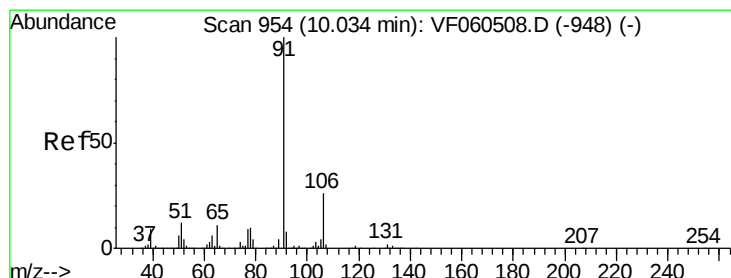
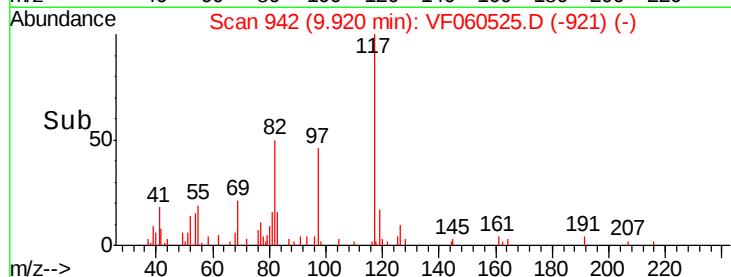
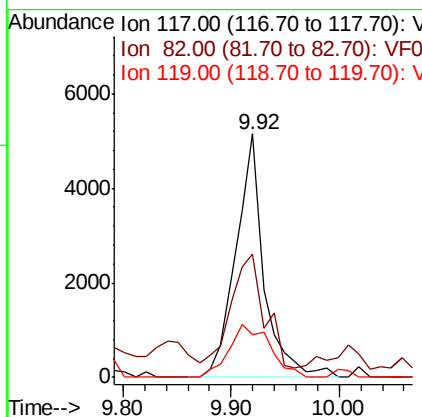
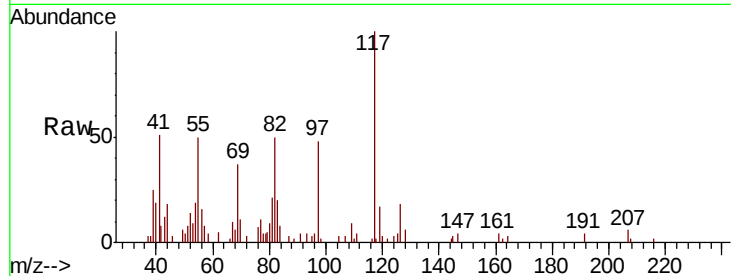
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
AOC2-01B

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	51.7	77.5#
119	17.3	28.3	42.5#

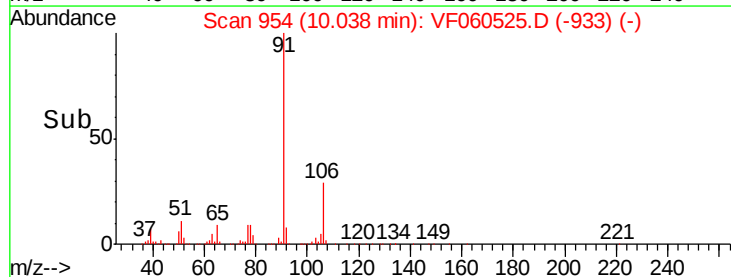
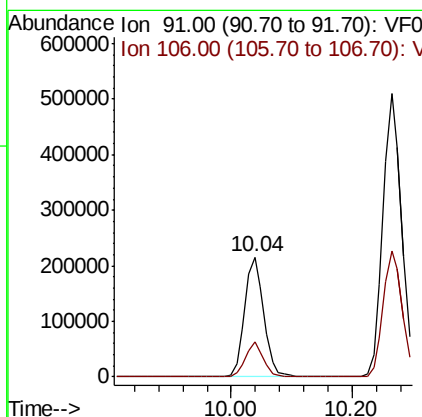
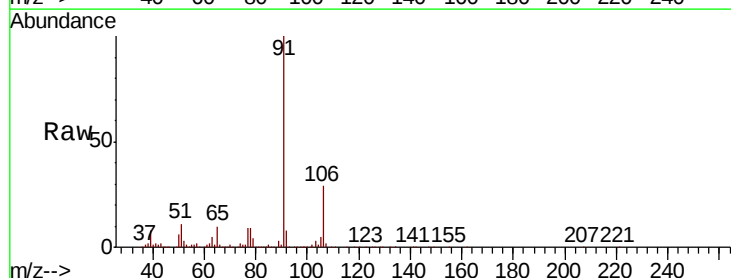
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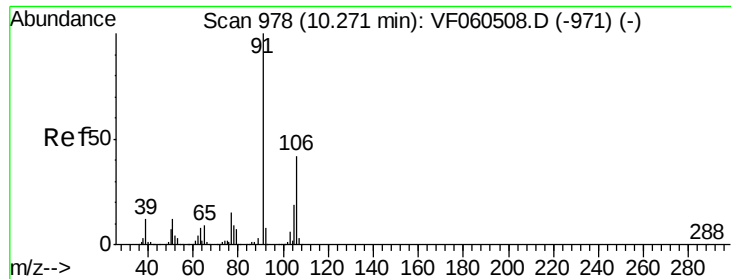
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#67
Ethyl Benzene
Concen: 1191.349 ug/l
RT: 10.04 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	20.7	31.1





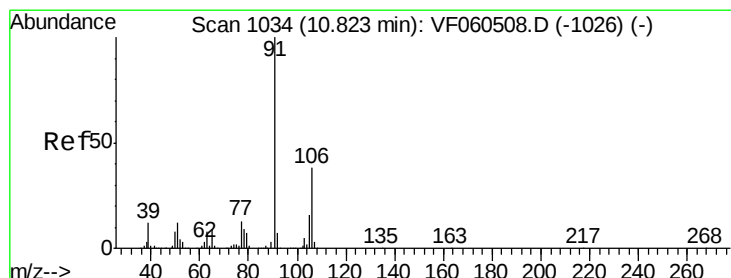
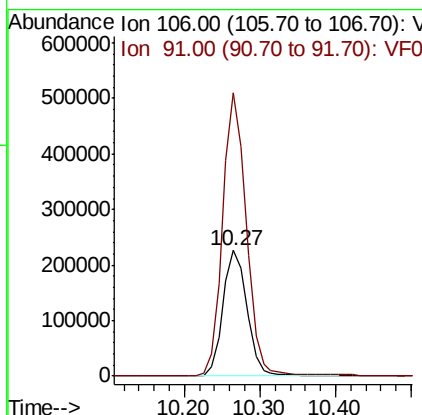
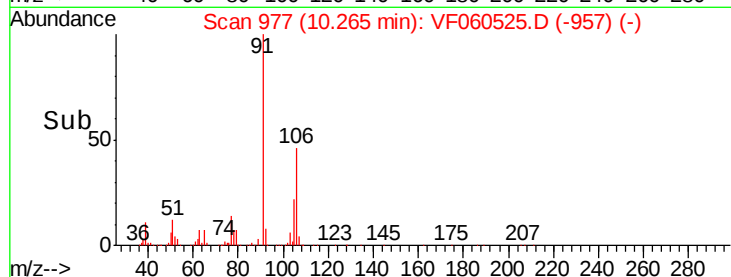
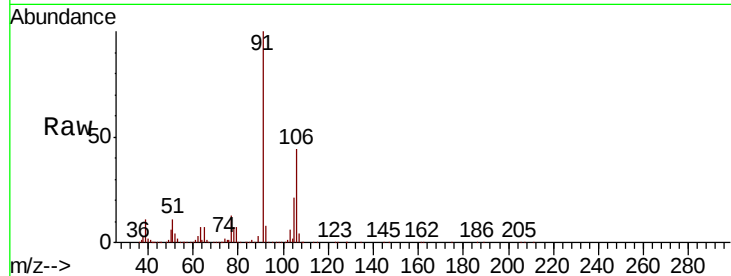
#68
m/p-Xylenes
Concen: 3981.397 ug/l
RT: 10.27 min Scan# 977
Delta R.T. -0.01 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Instrument :
MSVOA_F
ClientSampleId :
AOC2-01B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.2		192.5	288.7	

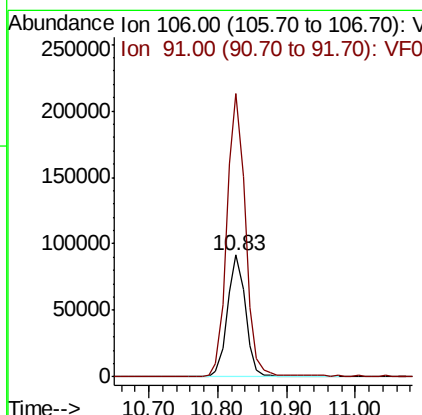
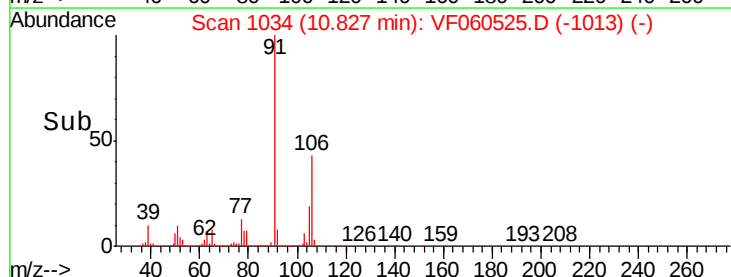
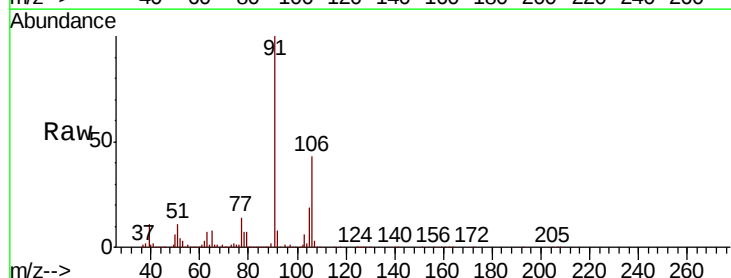
Manual Integrations
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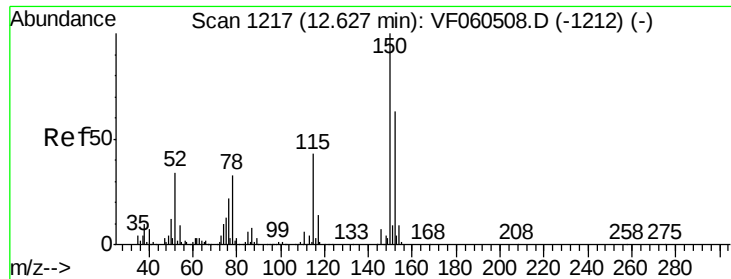
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#69
o-Xylene
Concen: 1191.200 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	232.9		130.9	392.7	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

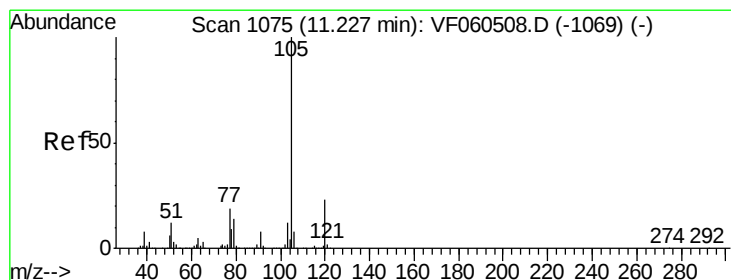
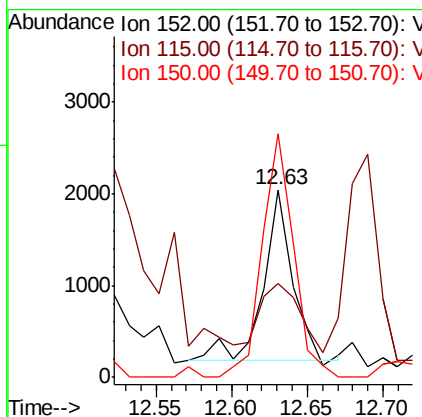
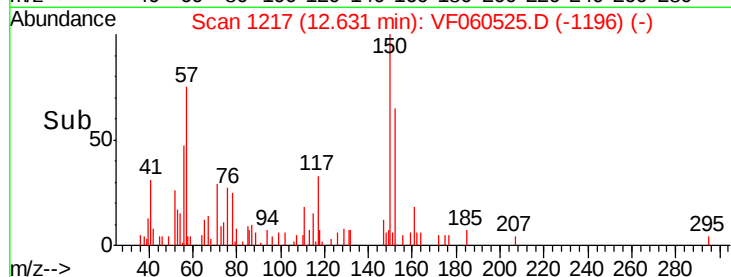
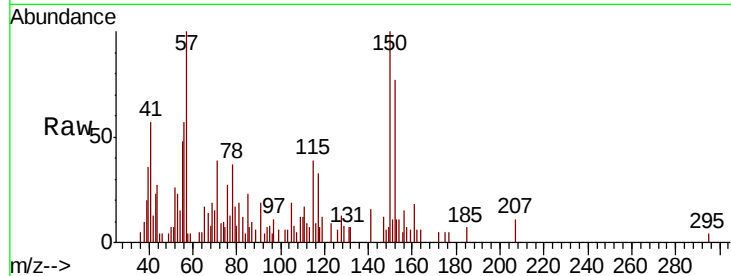
ClientSampleId :

AOC2-01B

Tot Ion:	152	Resp:	2503
Ion	Ratio	Lower	Upper
152	100		
115	50.0	34.6	103.9
150	129.6	0.0	319.8

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#73

Isopropylbenzene

Concen: 279.000 ug/l

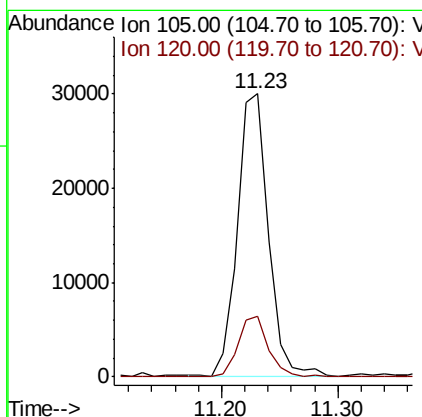
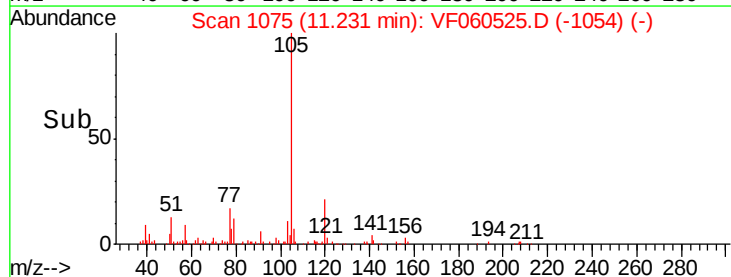
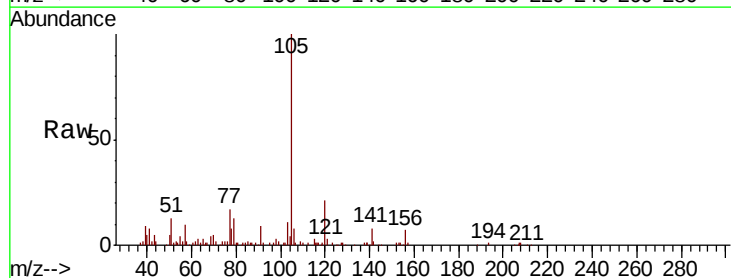
RT: 11.23 min Scan# 1075

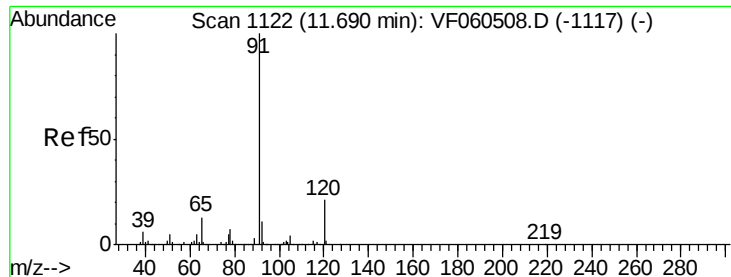
Delta R.T. 0.00 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Tgt Ion:	105	Resp:	55475
Ion	Ratio	Lower	Upper
105	100		
120	21.3	11.6	34.7





#78

n-propylbenzene

Concen: 1020.685 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060525.D

Acq: 26 Oct 2018 19:23

Instrument :

MSVOA_F

ClientSampleID :

AOC2-01B

Tot Ion: 91 Resp: 237265

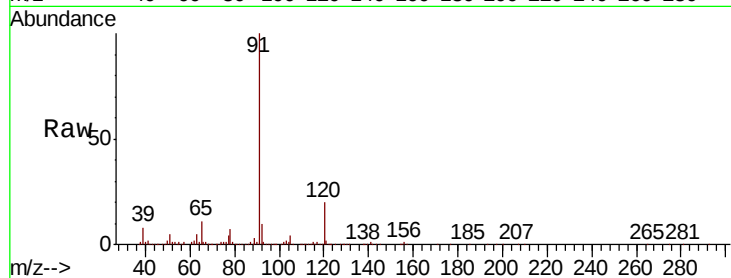
Ion Ratio Lower Upper

91 100

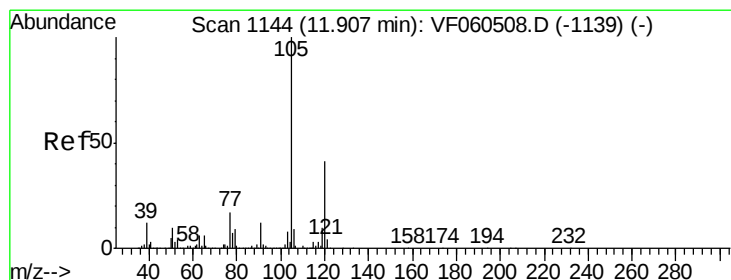
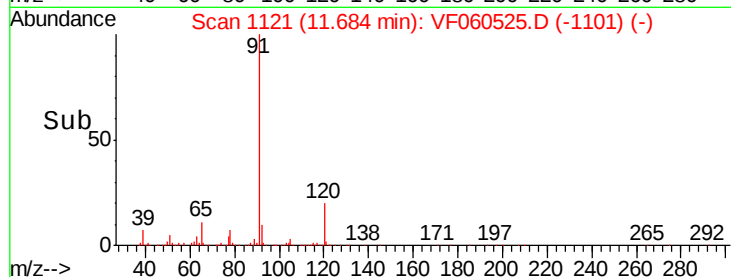
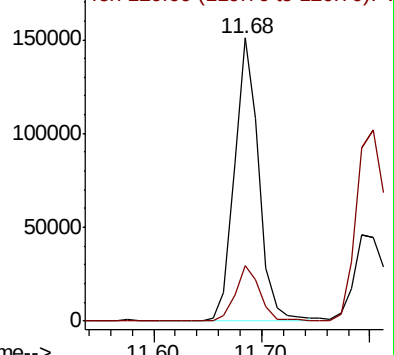
120 19.8 10.3 30.9

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Abundance Ion 91.00 (90.70 to 91.70): VF060508.D (-1117) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1198.436 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060525.D

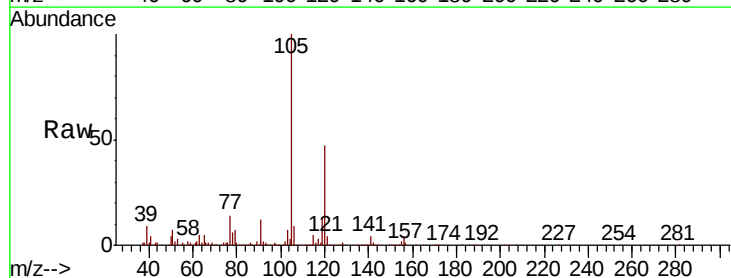
Acq: 26 Oct 2018 19:23

Tgt Ion: 105 Resp: 209269

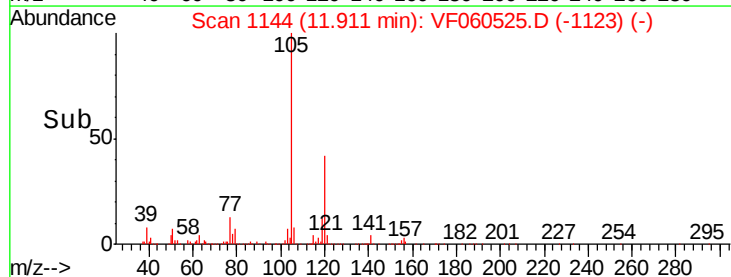
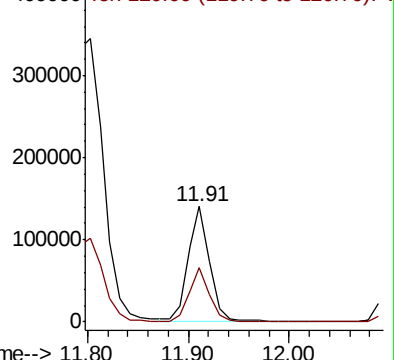
Ion Ratio Lower Upper

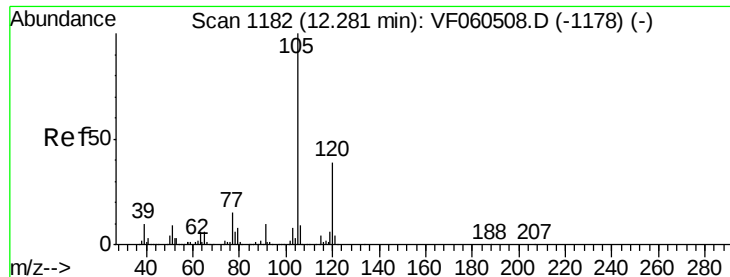
105 100

120 46.9 20.6 61.9



Abundance Ion 105.00 (104.70 to 105.70): VF060508.D (-1139) (-)





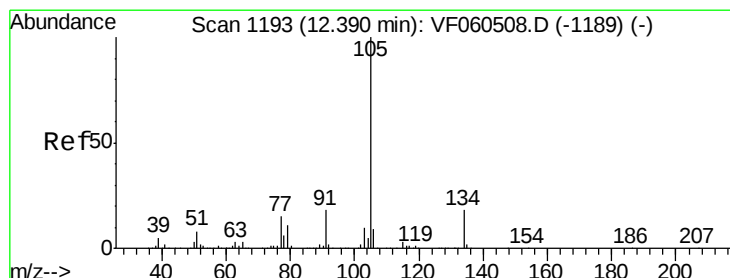
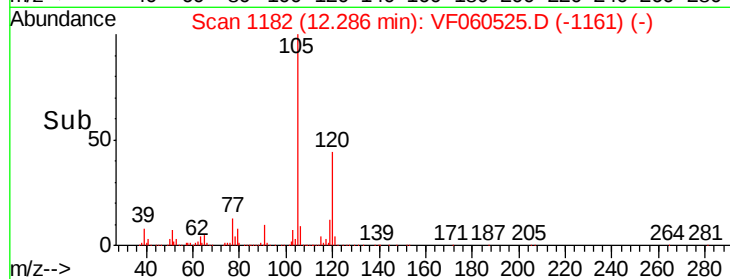
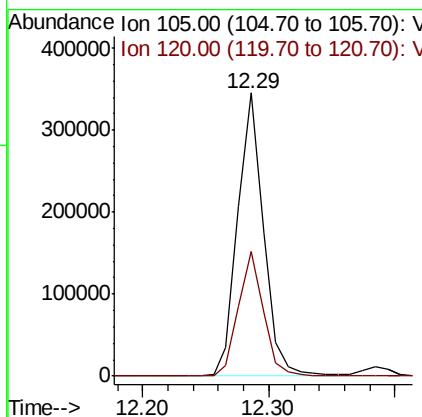
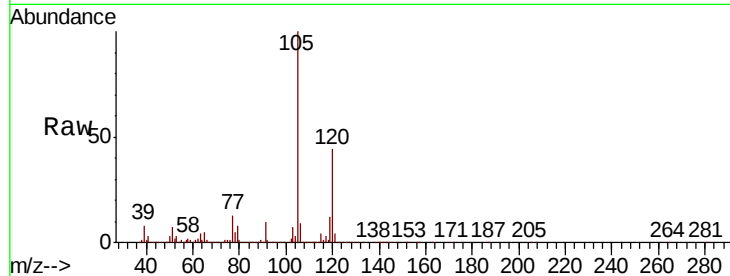
#84
 1,2,4-Trimethylbenzene
 Concen: 2816.853 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060525.D
 Acq: 26 Oct 2018 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 AOC2-01B

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	19.4	58.1

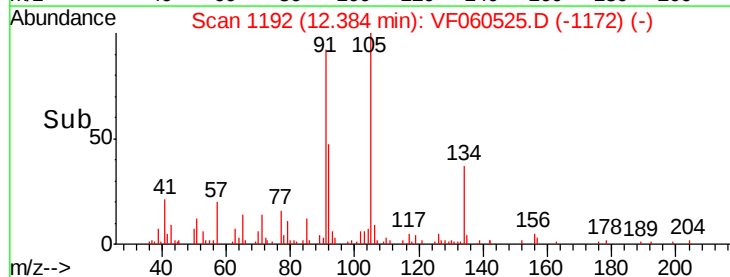
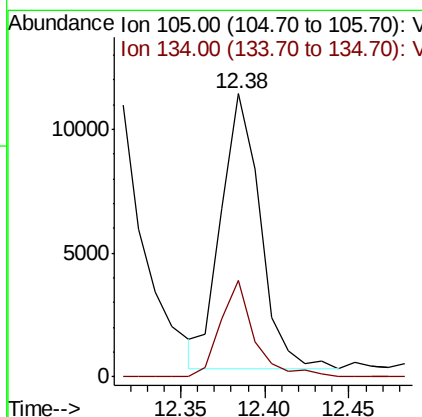
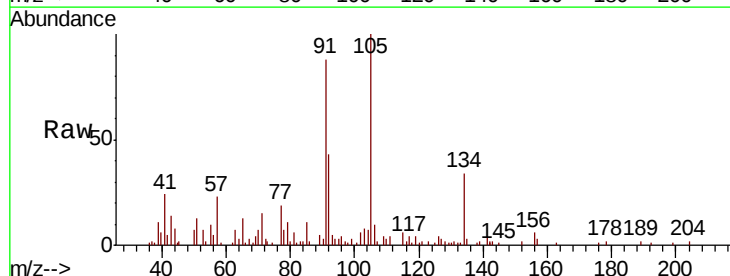
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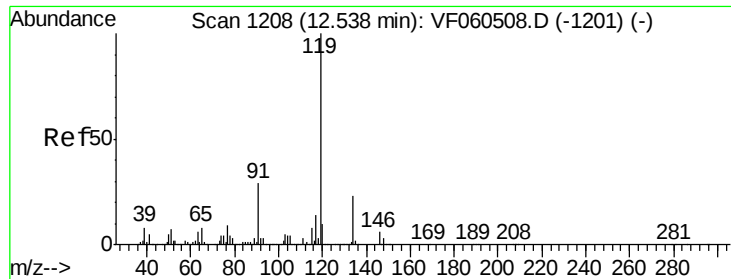
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#85
 sec-Butylbenzene
 Concen: 75.946 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060525.D
 Acq: 26 Oct 2018 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	34.2	9.2	27.4





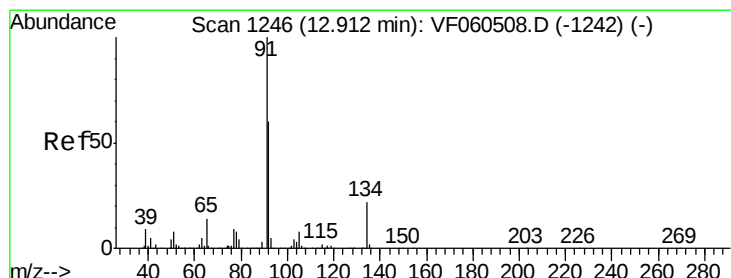
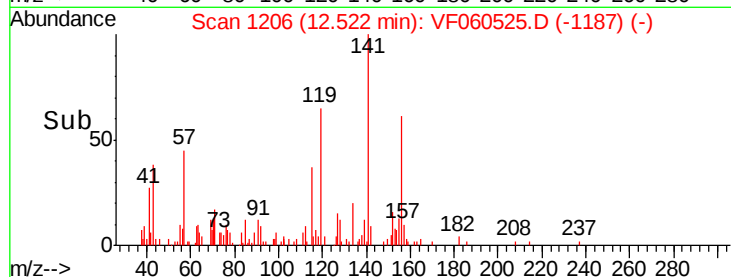
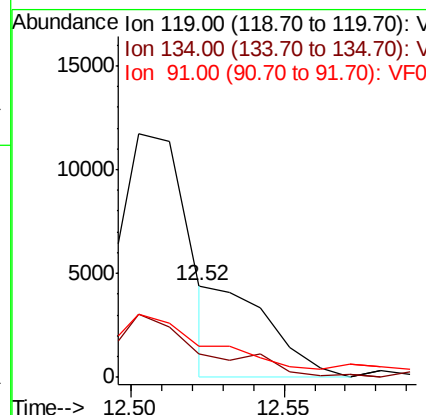
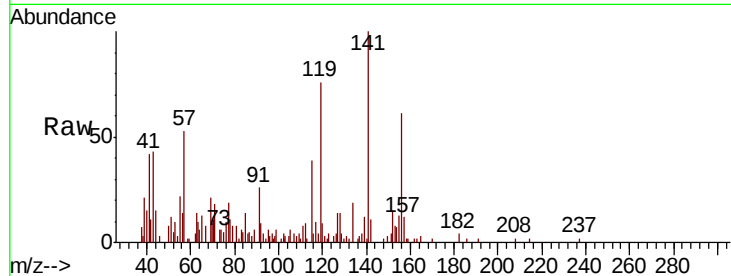
#86
p-Isopropyltoluene
Concen: 27.437 ug/l m
RT: 12.52 min Scan# 1206
Delta R.T. -0.01 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Instrument :
MSVOA_F
ClientSampled :
AOC2-01B

Tot Ion	Ratio	Resp	Lower	Upper
119	100	5518		
134	25.6	11.7	35.0	
91	33.7	14.4	43.4	

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#89
n-Butylbenzene
Concen: 122.470 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060525.D
Acq: 26 Oct 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	26200		
92	47.2	29.8	89.3	
134	26.2	10.9	32.7	

