

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060448.D
 Acq On : 4 Oct 2018 20:55
 Operator : VA/AP
 Sample : J5218-05
 Misc : 3.02/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 293-230

Manual Integrations
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Quant Time: Oct 05 15:06:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	164049	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	242477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	135104	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	31531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	134791	52.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.02%	
35) Dibromofluoromethane	4.28	113	27549	12.09	ug/l	0.02
Spiked Amount 50.000			Recovery	=	24.18%	
50) Toluene-d8	7.70	98	193013	34.40	ug/l	0.02
Spiked Amount 50.000			Recovery	=	68.80%	
62) 4-Bromofluorobenzene	11.50	95	51740	20.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	40.40%	
Target Compounds						
16) Acetone	2.34	43	22874	21.608	ug/l #	88
20) Methylene Chloride	2.27	84	12786m	1.413	ug/l	
27) cis-1,2-Dichloroethene	3.63	96	13460	6.058	ug/l	78
40) Benzene	4.80	78	64828	10.923	ug/l	97
44) Trichloroethene	5.66	130	88007	46.216	ug/l	95
52) Toluene	7.77	92	20827	5.167	ug/l	95
68) m/p-Xylenes	10.25	106	5093	2.808	ug/l	81

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

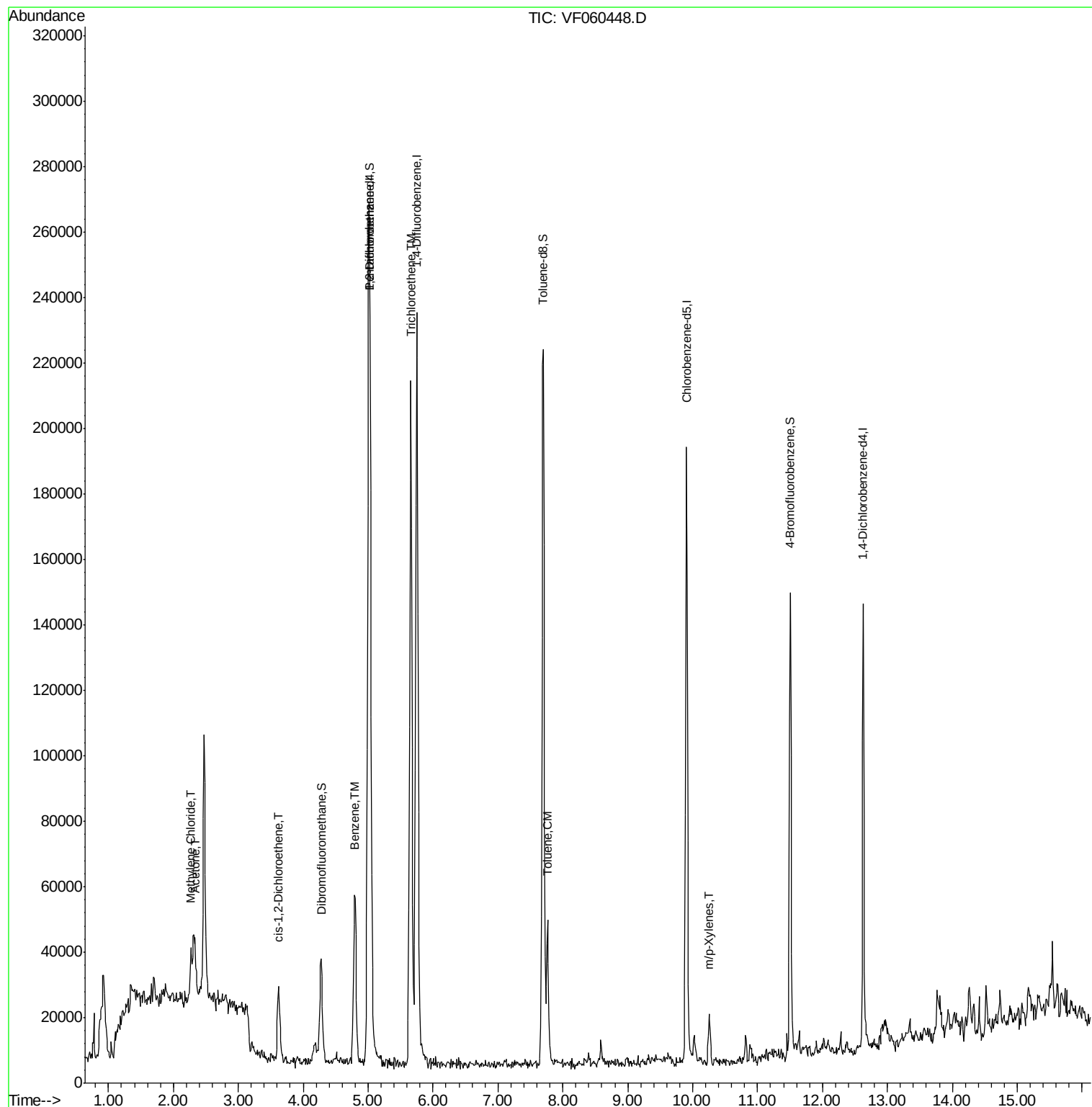
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060448.D
Acq On : 4 Oct 2018 20:55
Operator : VA/AP
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Misc : 3.02/5mL/MSVOA F/SOIL
ALS Vial : 42 Sample Multiplier: 1

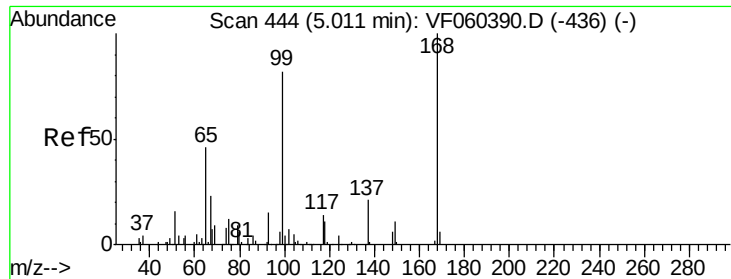
Instrument :
MSVOA_F
ClientSampleId :
293-230

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Quant Time: Oct 05 15:06:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

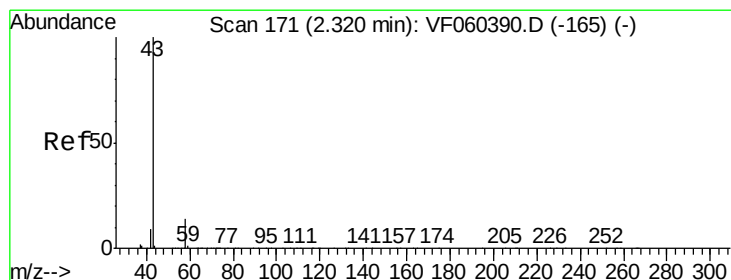
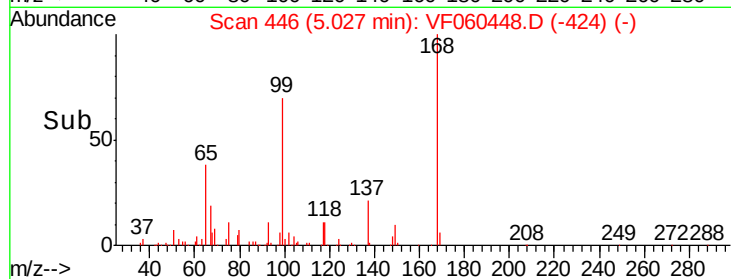
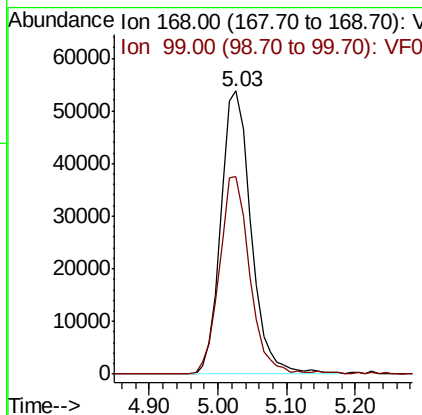
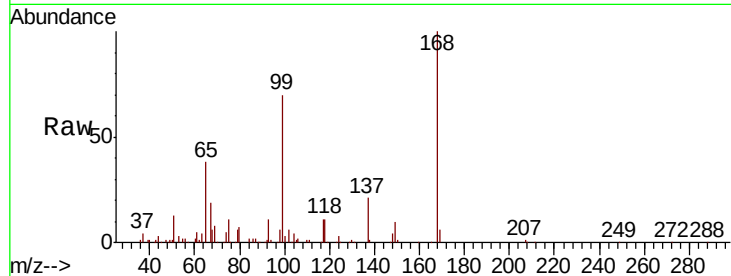
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VF060448.D
 Acq: 4 Oct 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 293-230

Tot Ion	Ratio	Lower	Upper
168	100		
99	69.6	65.3	97.9

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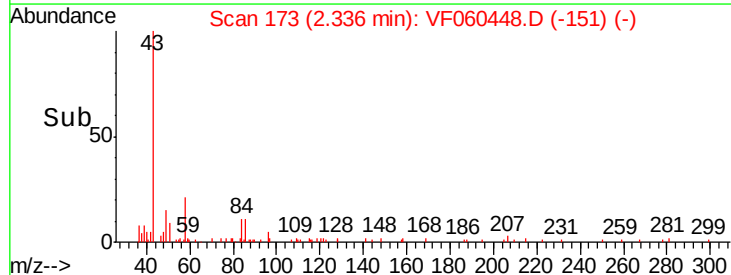
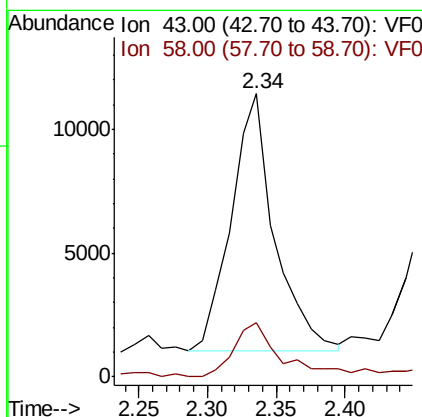
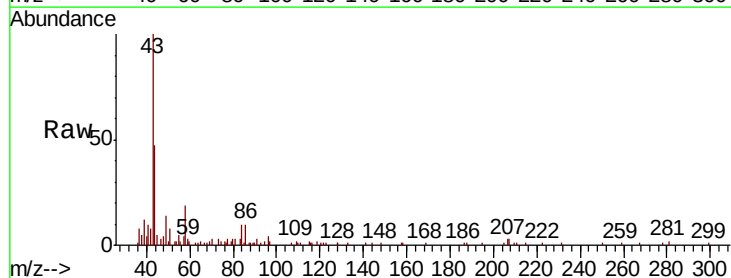
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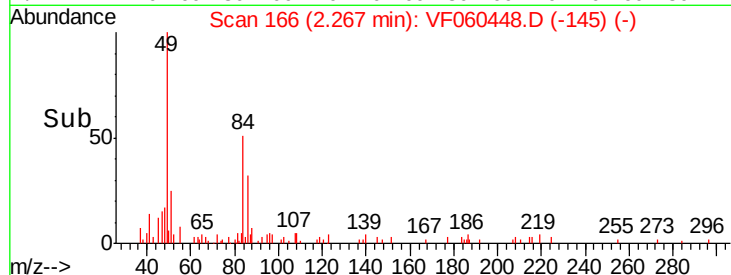
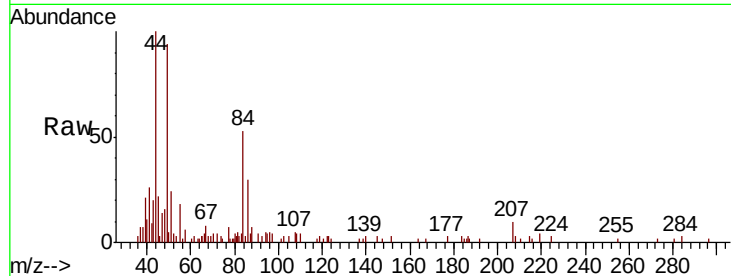
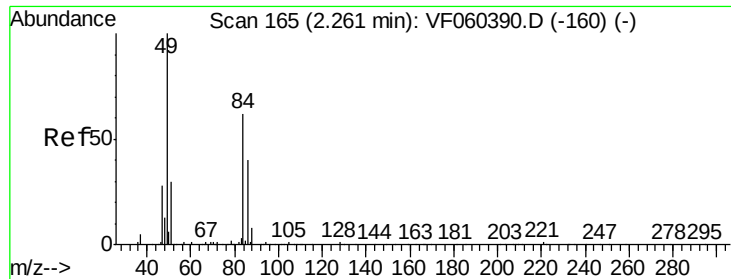


#16

Acetone
 Concen: 21.608 ug/l
 RT: 2.34 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VF060448.D
 Acq: 4 Oct 2018 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.0	11.2	16.8





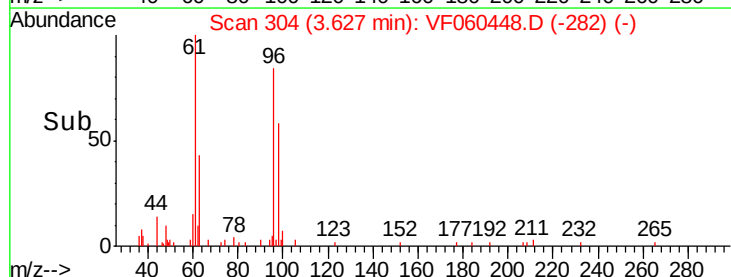
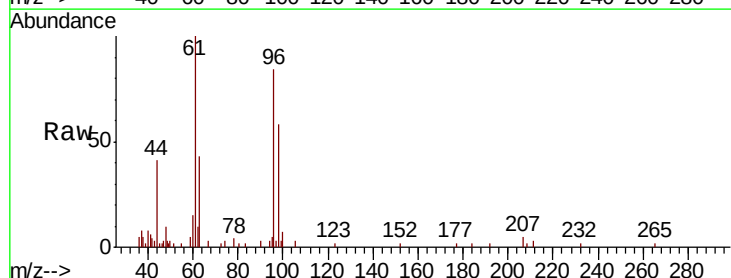
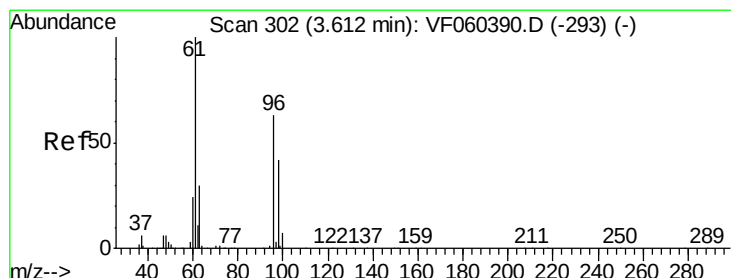
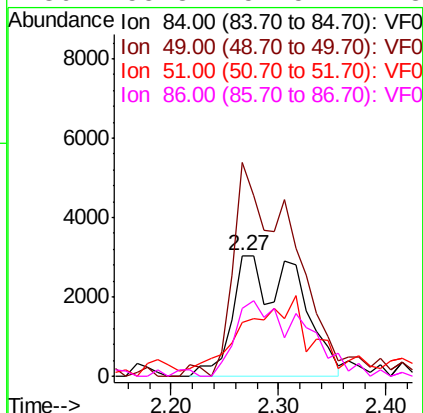
#20
Methylene Chloride
Concen: 1.413 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060448.D
Acq: 4 Oct 2018 20:55

Tot Ion:	84	Resp:	12786
Ion	Ratio	Lower	Upper
84	100		
49	176.9	130.2	195.2
51	44.2	41.0	61.6
86	55.8	51.5	77.3

Instrument :
MSVOA_F
ClientSampleId :
293-230

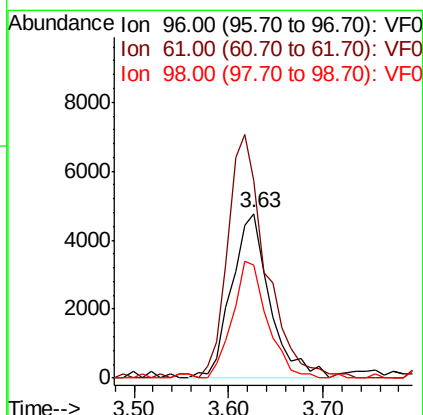
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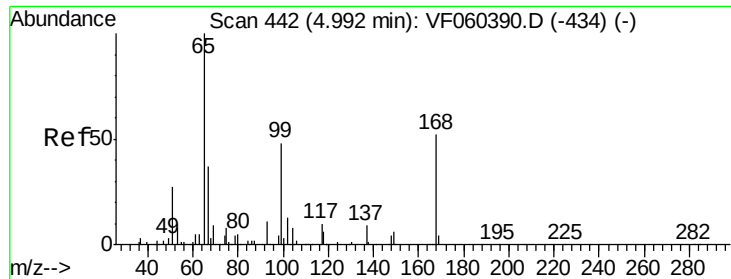
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#27
cis-1,2-Dichloroethene
Concen: 6.058 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.02 min
Lab File: VF060448.D
Acq: 4 Oct 2018 20:55

Tgt Ion:	96	Resp:	13460
Ion	Ratio	Lower	Upper
96	100		
61	119.7	0.0	318.2
98	68.9	0.0	134.0





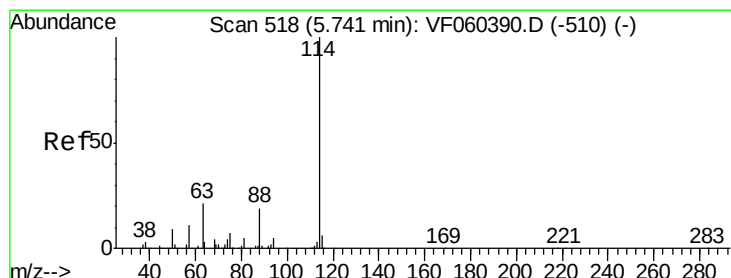
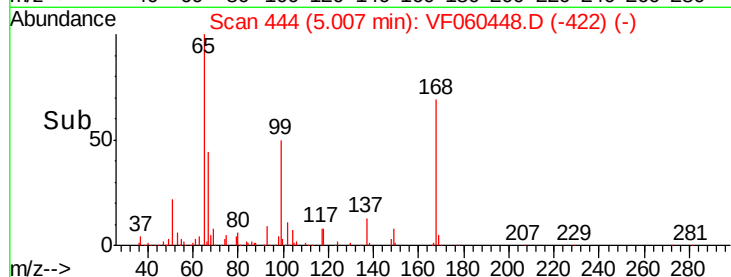
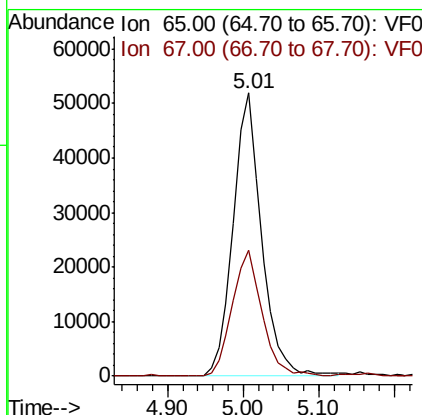
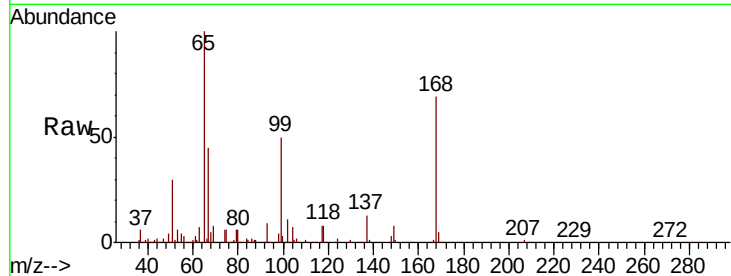
#33
 1,2-Dichloroethane-d4
 Concen: 52.509 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.02 min
 Lab File: VF060448.D
 Acq: 4 Oct 2018 20:55

Instrument :
 MSVOA_F
 ClientSampled :
 293-230

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134791		
67	44.6	0.0	89.4	

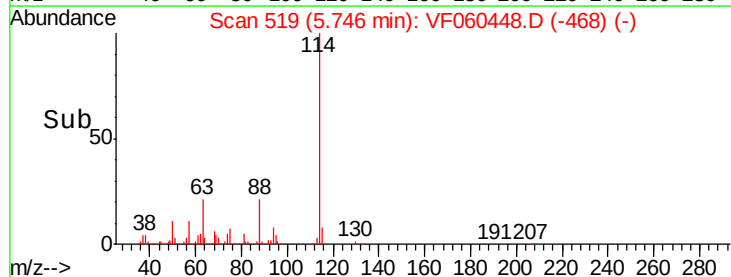
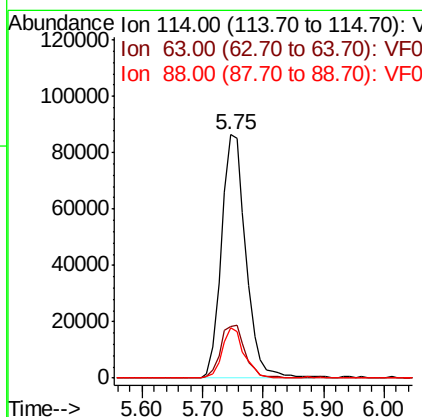
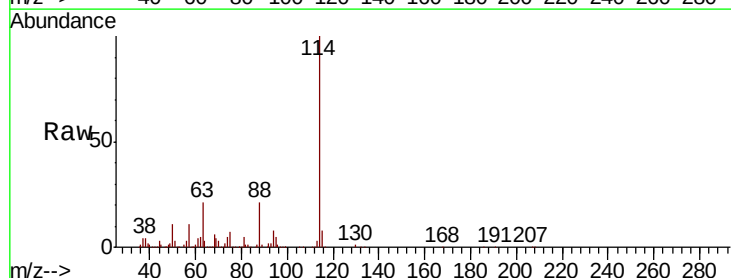
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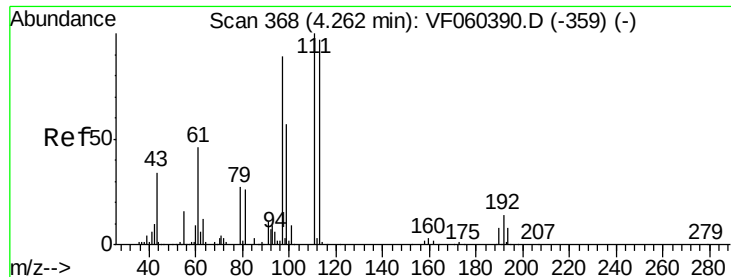
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060448.D
 Acq: 4 Oct 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	242477		
63	21.5	0.0	42.2	
88	20.6	0.0	38.8	





#35

Dibromofluoromethane

Concen: 12.094 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060448.D

Acq: 4 Oct 2018 20:55

Instrument :

MSVOA_F

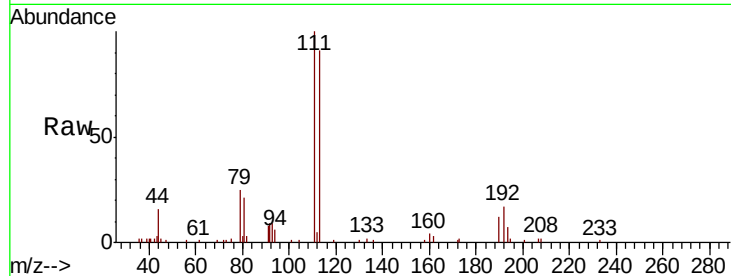
ClientSampled :

293-230

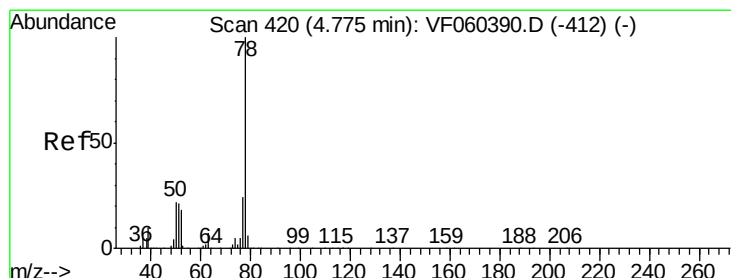
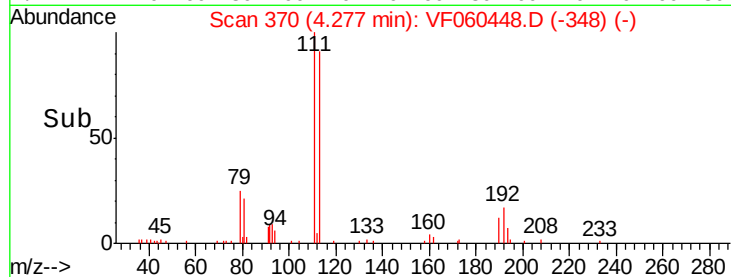
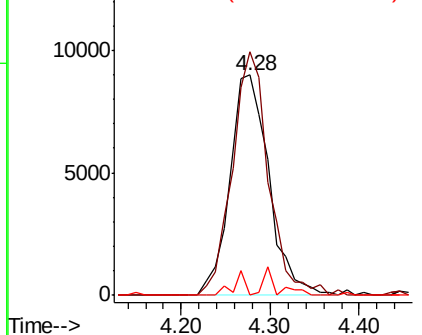
Tot Ion:	113	Resp:	27549
Ion Ratio	Lower	Upper	
113	100		
111	115.9	82.3	123.5
192	0.0	11.8	17.6#

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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



#40

Benzene

Concen: 10.923 ug/l

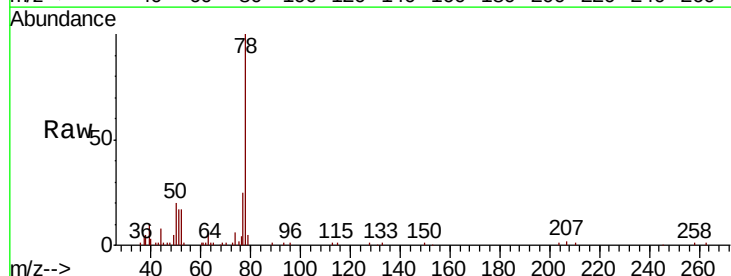
RT: 4.80 min Scan# 423

Delta R.T. 0.03 min

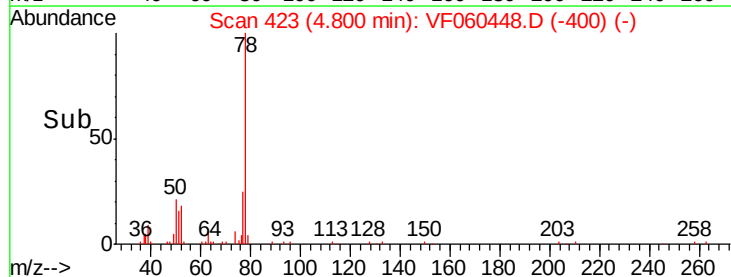
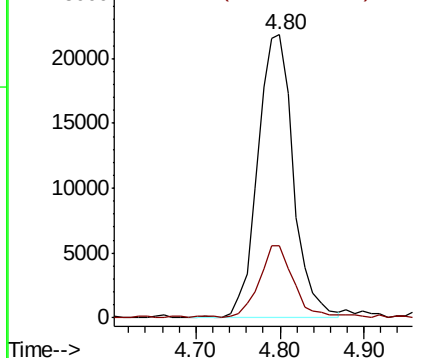
Lab File: VF060448.D

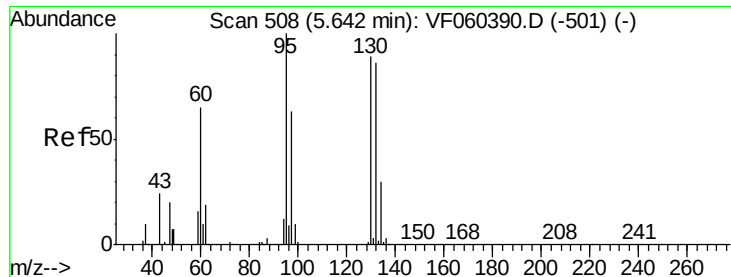
Acq: 4 Oct 2018 20:55

Tgt Ion:	78	Resp:	64828
Ion Ratio	Lower	Upper	
78	100		
77	25.3	19.2	28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#44

Trichloroethene

Concen: 46.216 ug/l

RT: 5.66 min Scan# 510

Delta R.T. 0.02 min

Lab File: VF060448.D

Acq: 4 Oct 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

293-230

Tot Ion:130 Resp: 88007

Ion Ratio Lower Upper

130 100

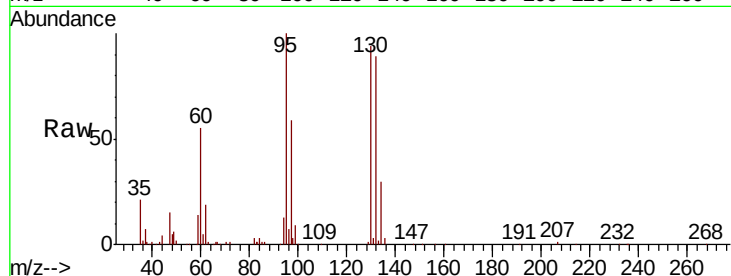
95 106.6 0.0 224.4

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

40000

30000

20000

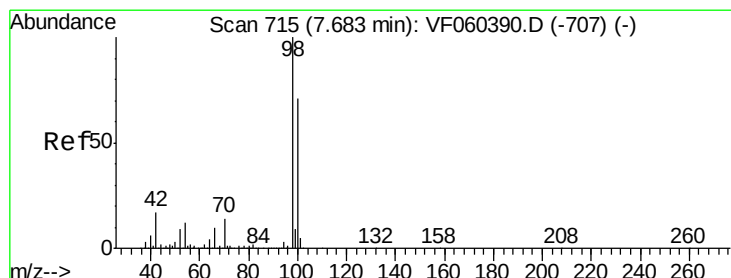
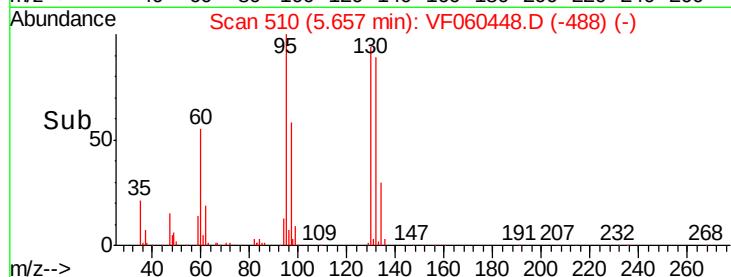
10000

0

5.50 5.60 5.70 5.80

5.66

Time-->



#50

Toluene-d8

Concen: 34.405 ug/l

RT: 7.70 min Scan# 717

Delta R.T. 0.02 min

Lab File: VF060448.D

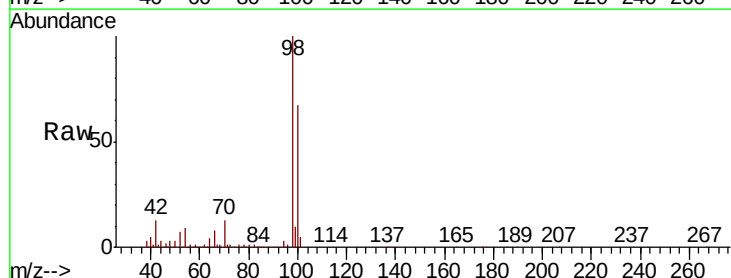
Acq: 4 Oct 2018 20:55

Tgt Ion: 98 Resp: 193013

Ion Ratio Lower Upper

98 100

100 66.8 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

80000

60000

40000

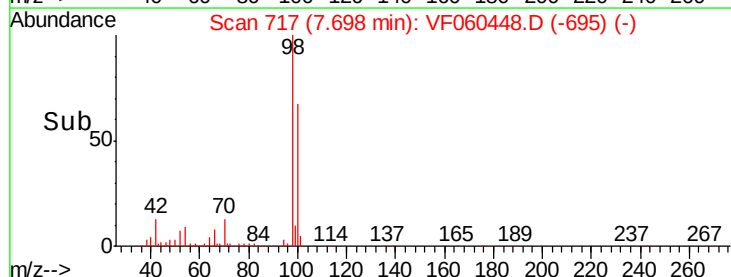
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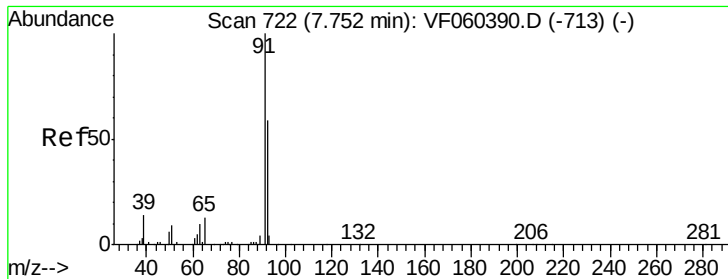
0

7.60 7.70 7.80

7.70

Time-->





#52

Toluene

Concen: 5.167 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.02 min

Lab File: VF060448.D

Acq: 4 Oct 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

293-230

Tot Ion: 92 Resp: 20827

Ion Ratio Lower Upper

92 100

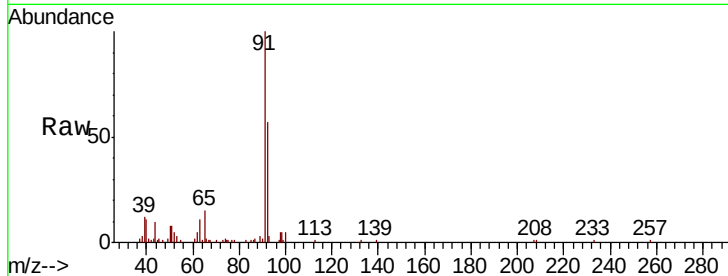
91 176.2 135.4 203.0

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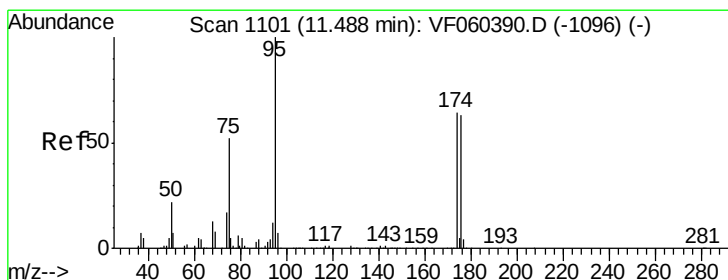
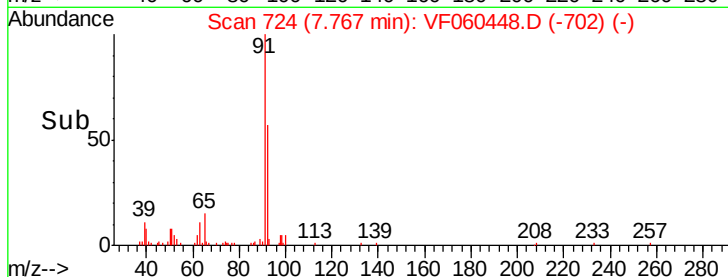
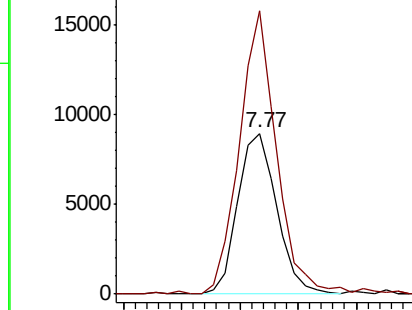
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 20.199 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060448.D

Acq: 4 Oct 2018 20:55

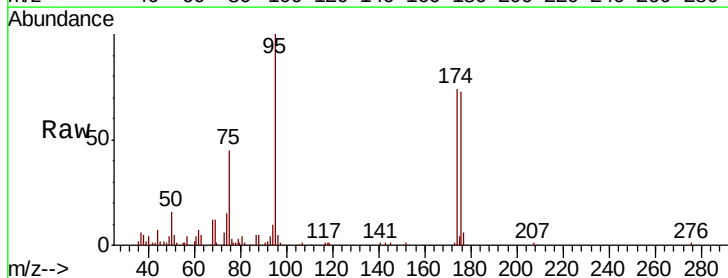
Tgt Ion: 95 Resp: 51740

Ion Ratio Lower Upper

95 100

174 73.6 0.0 129.0

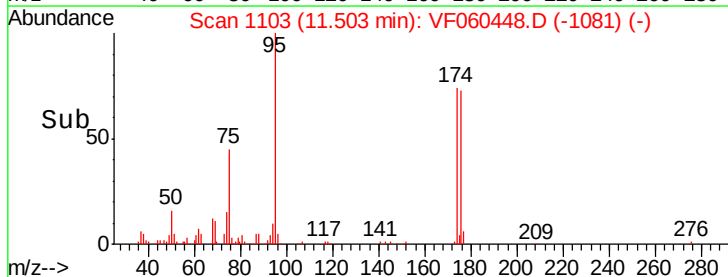
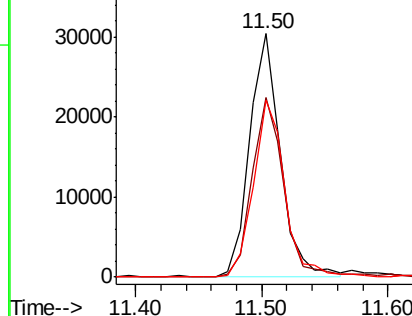
176 72.5 0.0 125.6

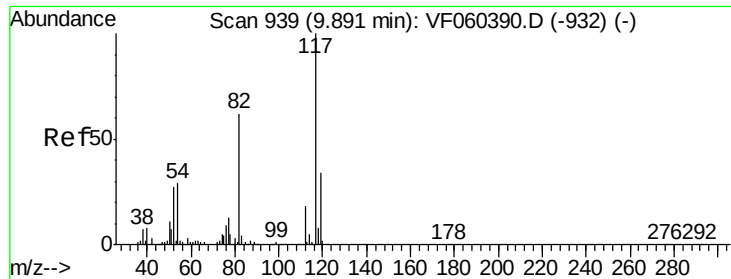


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





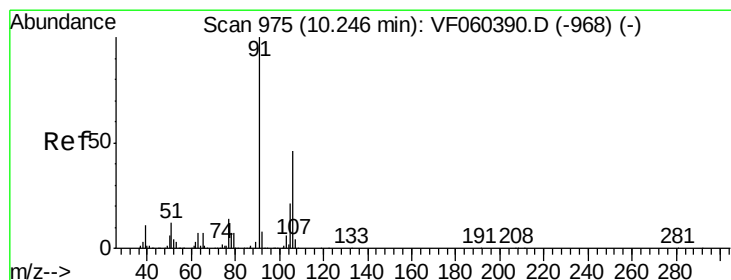
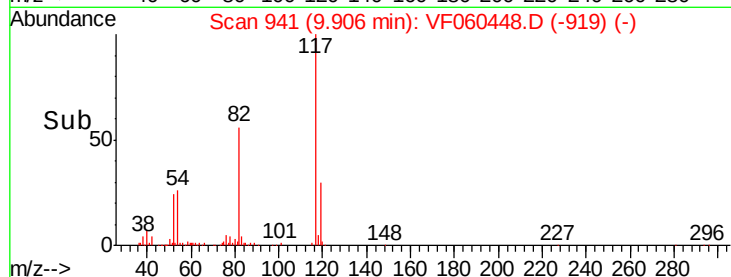
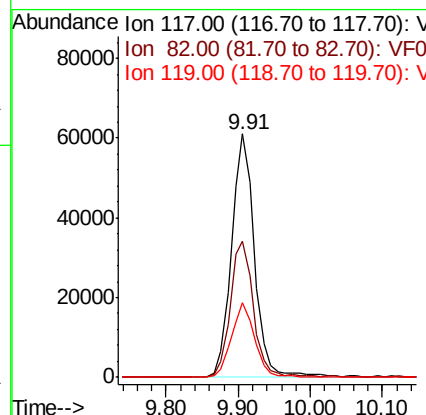
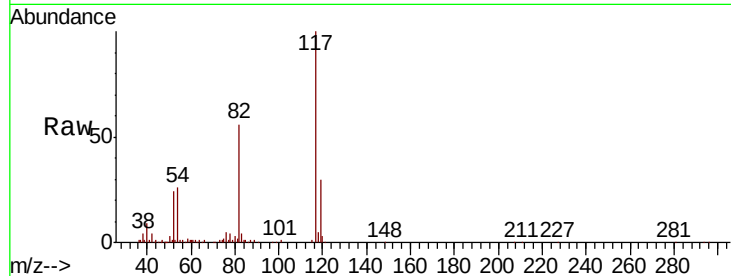
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060448.D
Acq: 4 Oct 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :
293-230

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	49.5	74.3
119	30.4	27.0	40.6

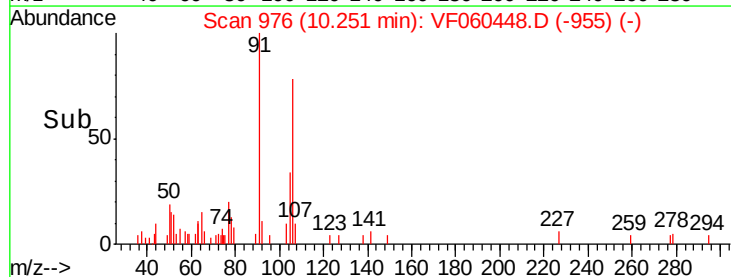
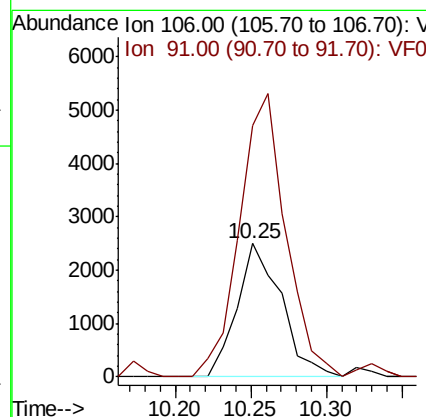
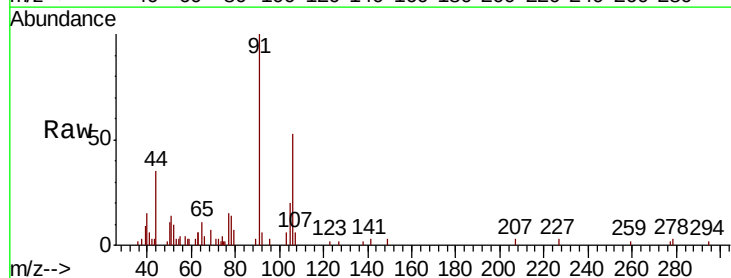
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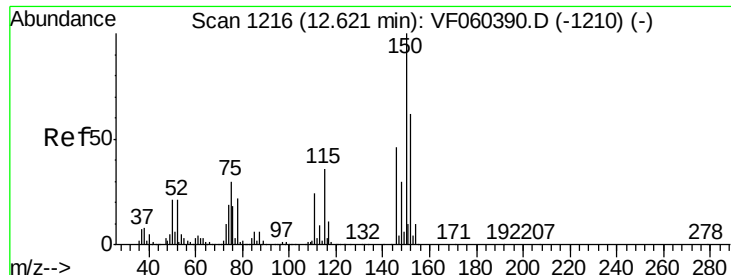
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#68
m/p-Xylenes
Concen: 2.808 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060448.D
Acq: 4 Oct 2018 20:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	188.6	175.0	262.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060448.D
 Acq: 4 Oct 2018 20:55

Instrument :
 MSVOA_F
 ClientSampleId :
 293-230

Tot Ion	Ratio	Resp	Lower	Upper
152	100	31531		
115	61.1	28.6	85.8	
150	155.4	0.0	324.6	

Manual Integrations
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