

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059294.D
 Acq On : 23 Jun 2018 00:43
 Operator : VA/AP
 Sample : J3605-04
 Misc : 6.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-3(8.5-9)

Manual Integrations
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 6/24/2018 11:35:15 AM

Quant Time: Jun 23 05:12:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	176491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	280875	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	299198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	180133	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	137830	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
35) Dibromofluoromethane	4.29	113	12221	5.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.34%	
50) Toluene-d8	7.71	98	275880	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.51	95	159258	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
Target Compounds						
16) Acetone	2.33	43	126219	210.80	ug/l	Qvalue 94
20) Methylene Chloride	2.31	84	13904m	9.94	ug/l	
27) cis-1,2-Dichloroethene	3.63	96	17745	8.95	ug/l	90
44) Trichloroethene	5.67	130	63867	29.42	ug/l	81
64) Tetrachloroethene	8.44	164	13523717m	5885.39	ug/l	
69) o-Xylene	10.83	106	10198	2.38	ug/l	77
78) n-propylbenzene	11.68	91	79441	5.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	98080	9.35	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	164952	14.93	ug/l	97
93) 1,2,4-Trichlorobenzene	14.27	180	9924	2.28	ug/l	90

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

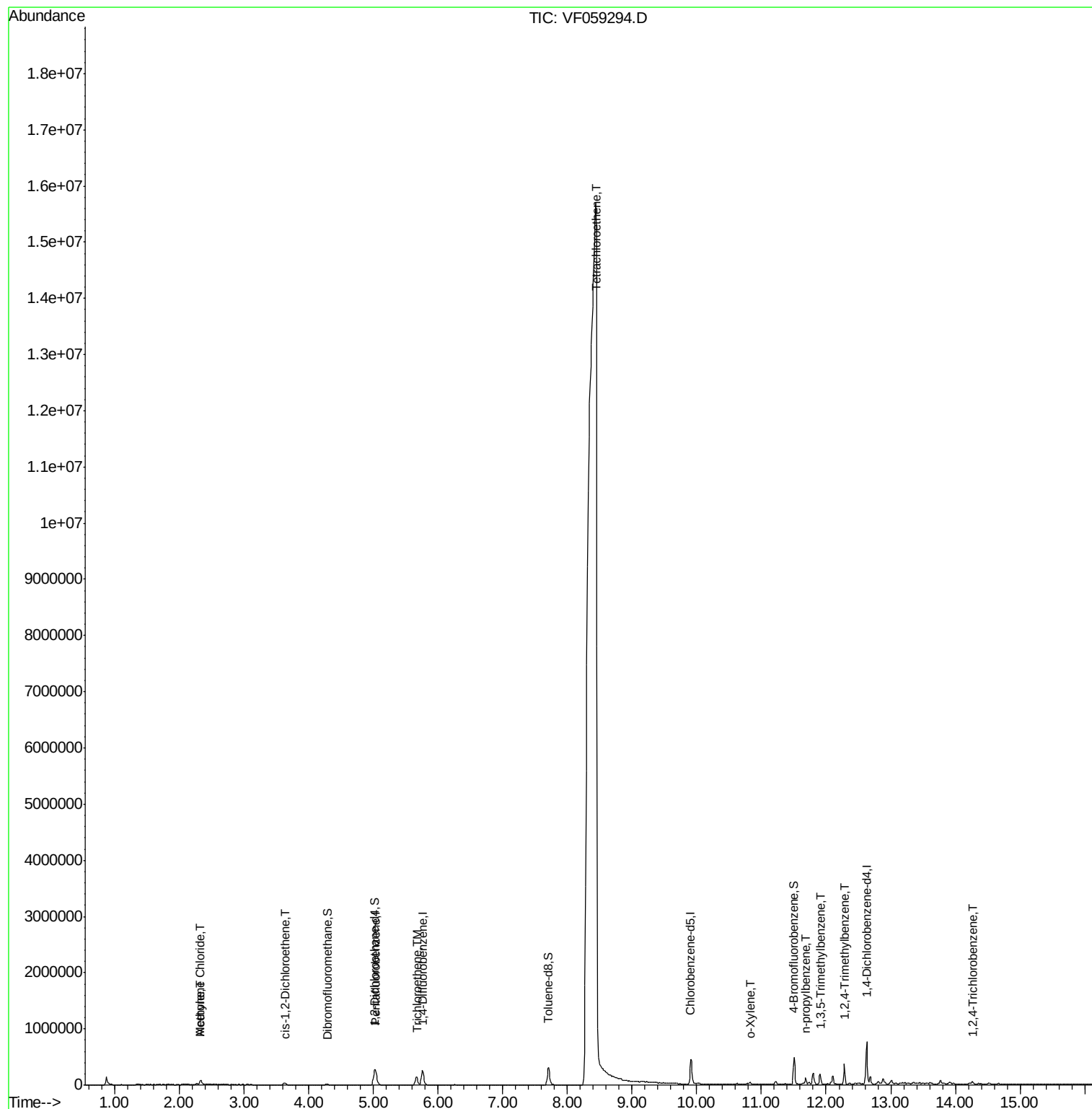
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\
Data File : VF059294.D
Acq On : 23 Jun 2018 00:43
Operator : VA/AP
Sample : J3605-04
Misc : 6.90µ/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

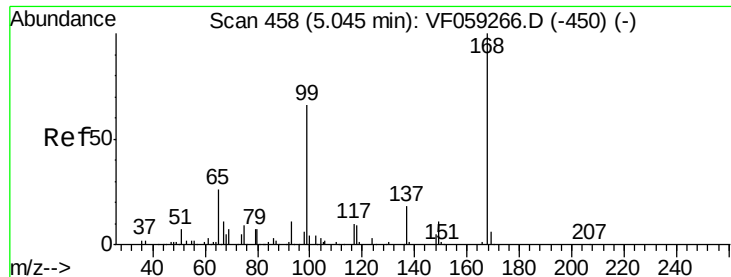
Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Manual Integrations
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Quant Time: Jun 23 05:12:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059294.D

Acq: 23 Jun 2018 00:43

Instrument :

MSVOA_F

ClientSampleId :

S-3(8.5-9)

Tot Ion:168 Resp: 176491

Ion Ratio Lower Upper

168 100

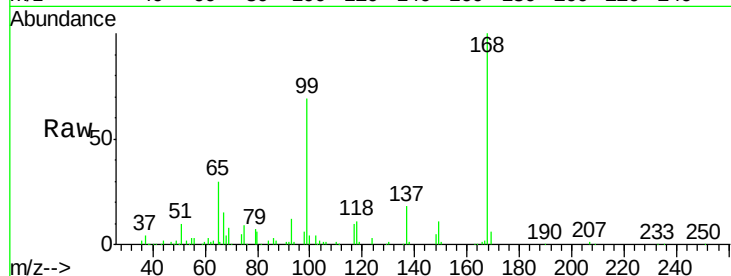
99 69.3 52.6 78.8

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

60000

40000

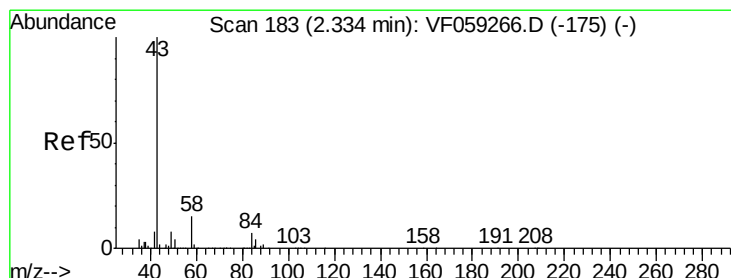
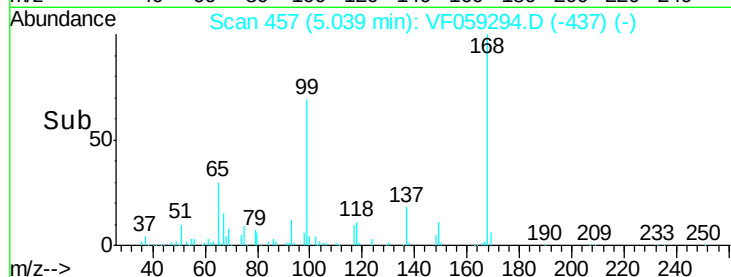
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0

Time-->

4.90 5.00 5.10 5.20

5.04



#16

Acetone

Concen: 210.80 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059294.D

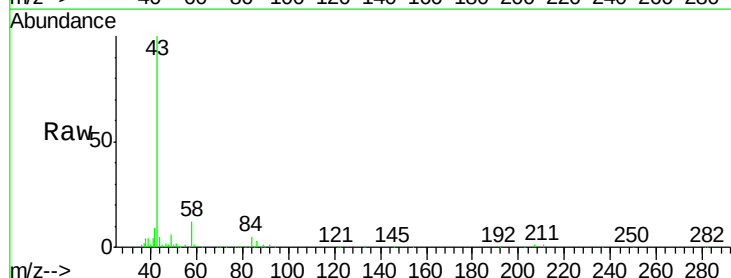
Acq: 23 Jun 2018 00:43

Tgt Ion: 43 Resp: 126219

Ion Ratio Lower Upper

43 100

58 12.4 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

50000

40000

30000

20000

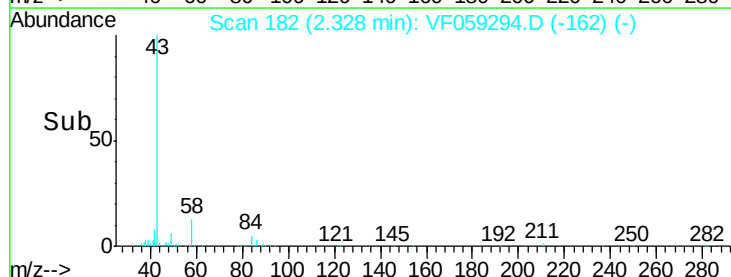
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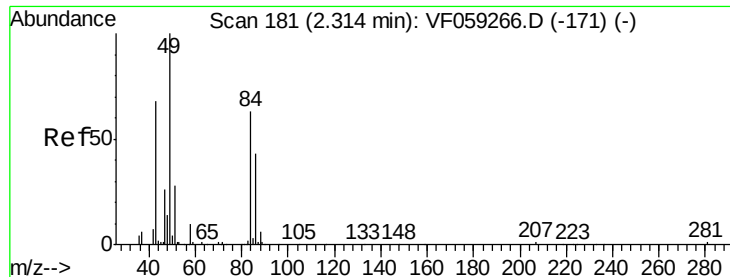
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Time-->

2.20 2.30 2.40

2.33





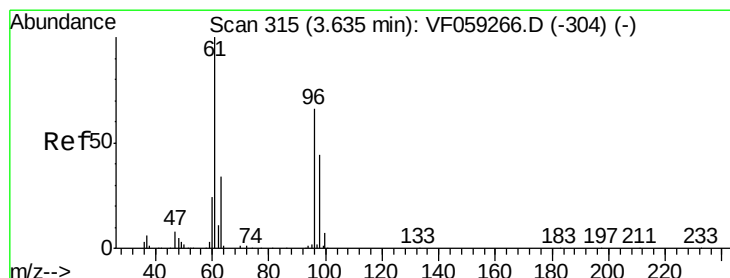
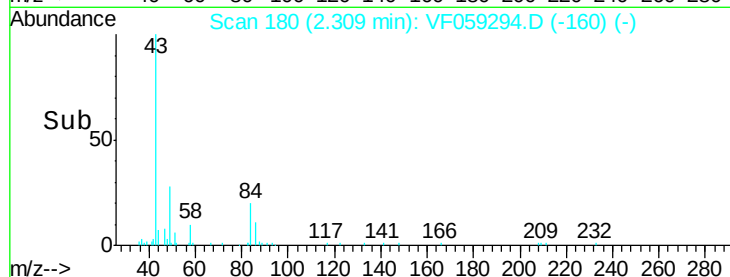
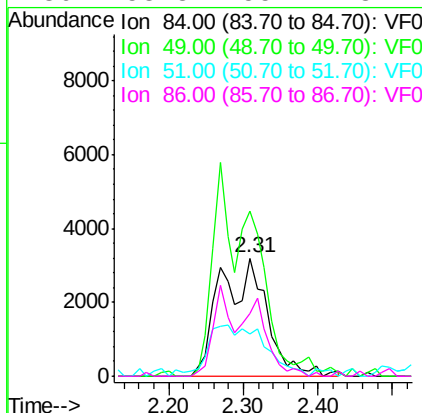
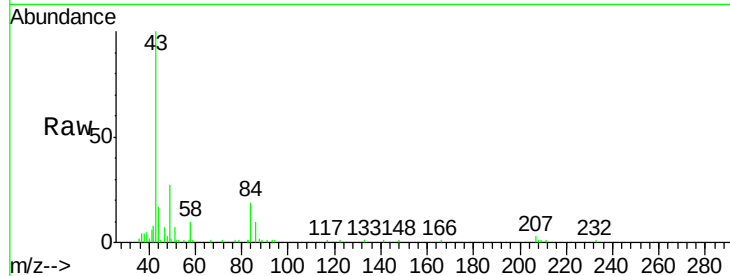
#20
Methvlene Chloride
Concen: 9.94 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Tot Ion	Ratio	Lower	Upper
84	100		
49	140.1	130.0	195.0
51	35.3	36.6	55.0#
86	53.3	55.1	82.7#

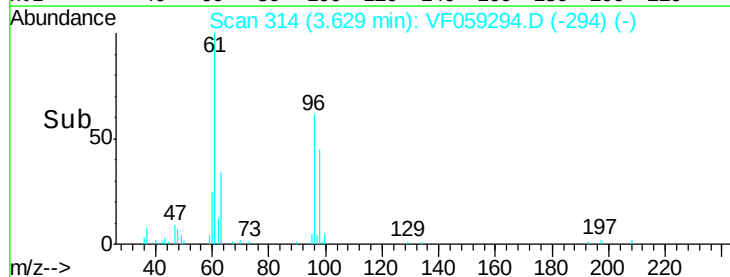
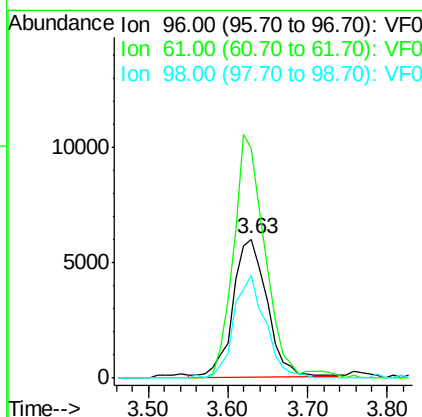
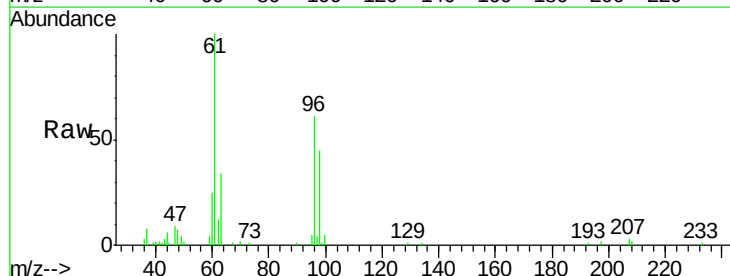
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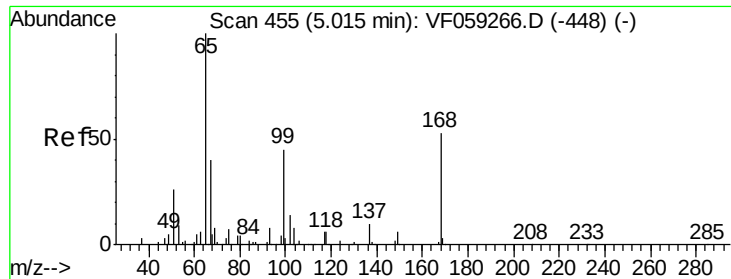
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#27
cis-1,2-Dichloroethene
Concen: 8.95 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	305.0
98	74.0	0.0	134.0





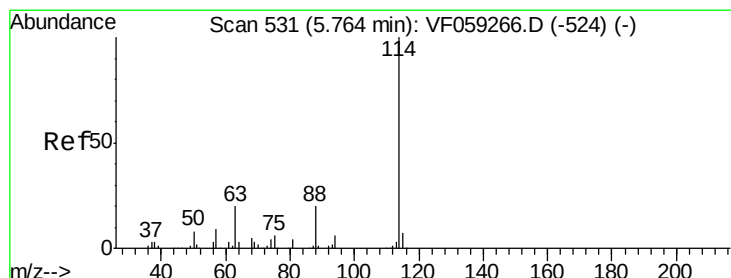
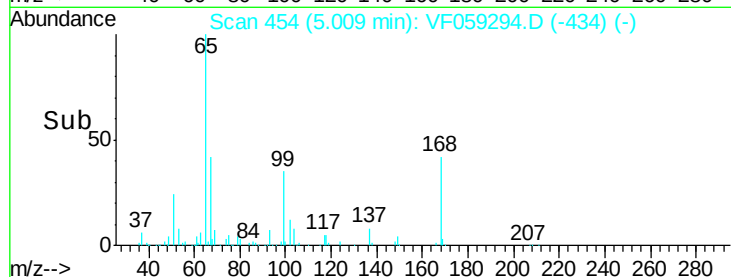
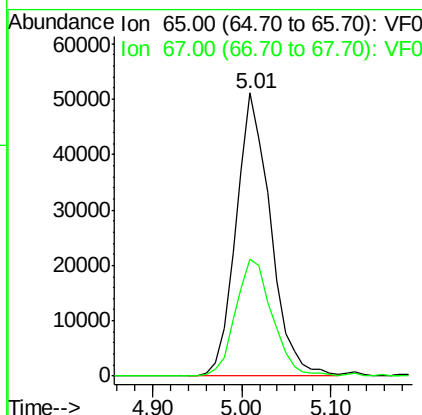
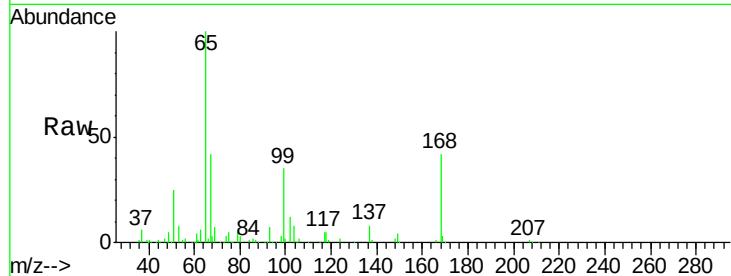
#33
 1,2-Dichloroethane-d4
 Concen: 54.41 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059294.D
 Acq: 23 Jun 2018 00:43

Instrument :
 MSVOA_F
 ClientSampled :
 S-3(8.5-9)

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.5	0.0	95.8

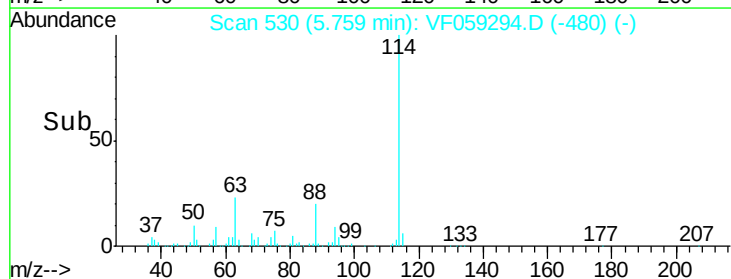
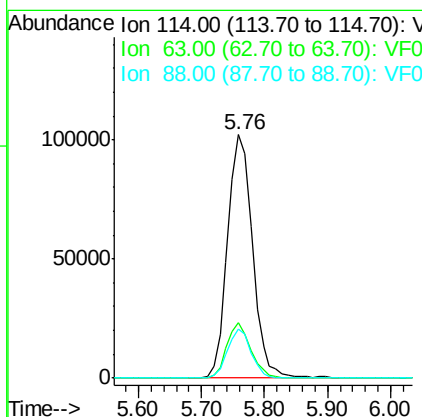
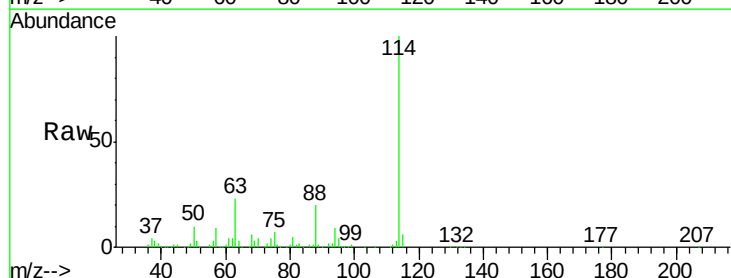
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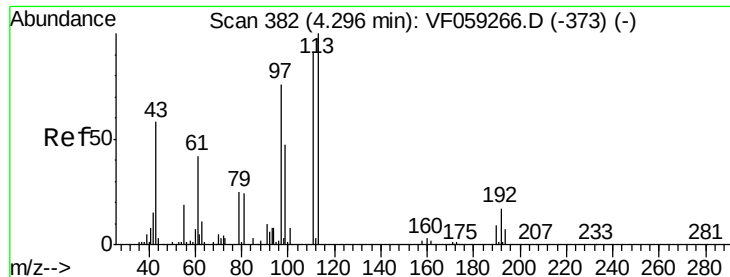
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059294.D
 Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.0
88	20.4	0.0	39.6





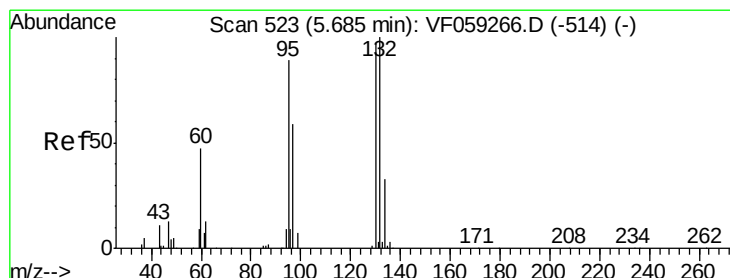
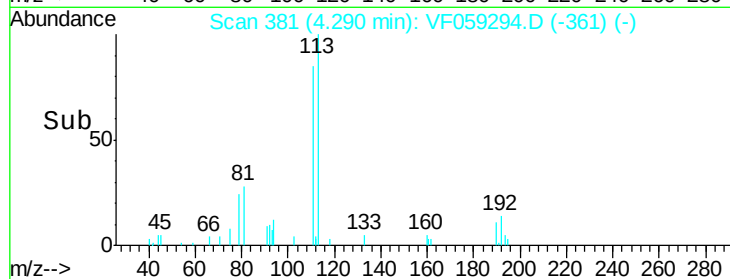
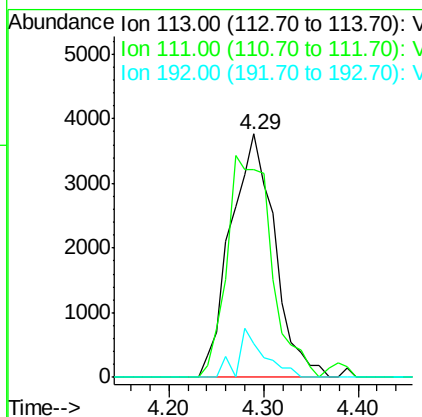
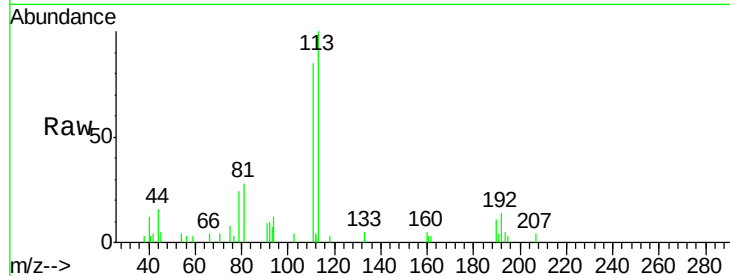
#35
Dibromofluoromethane
Concen: 5.17 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Tot Ion	Ratio	Lower	Upper
113	100		
111	88.6	73.1	109.7
192	14.0	13.9	20.9

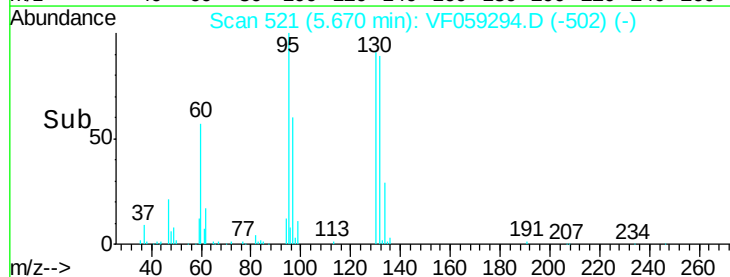
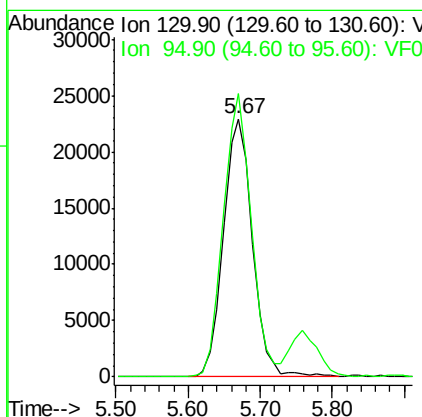
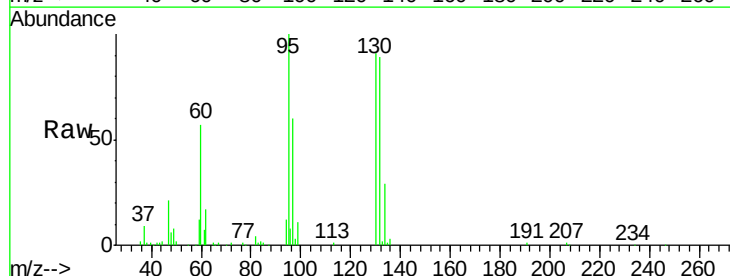
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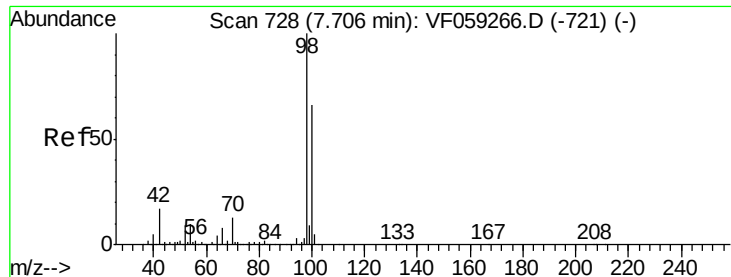
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#44
Trichloroethene
Concen: 29.42 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.6	0.0	183.6





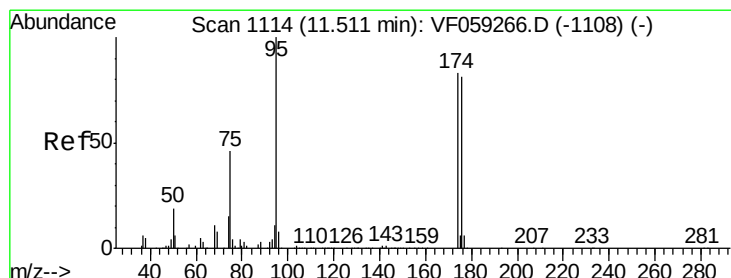
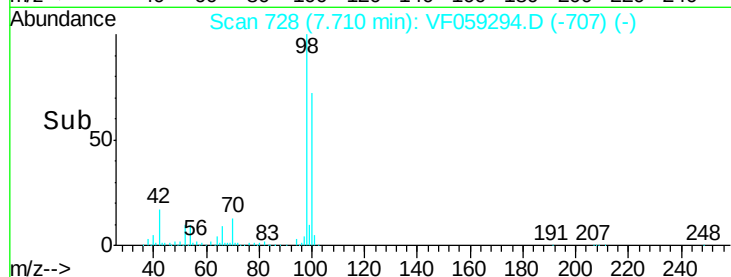
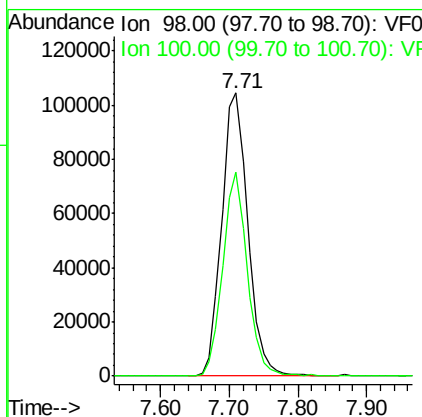
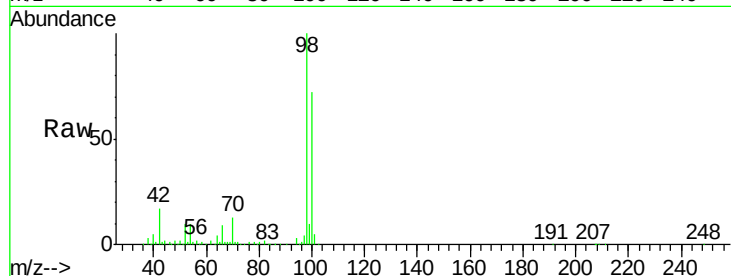
#50
Toluene-d8
Concen: 45.90 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Tot Ion: 98 Resp: 275880
Ion Ratio Lower Upper
98 100
100 71.9 52.8 79.2

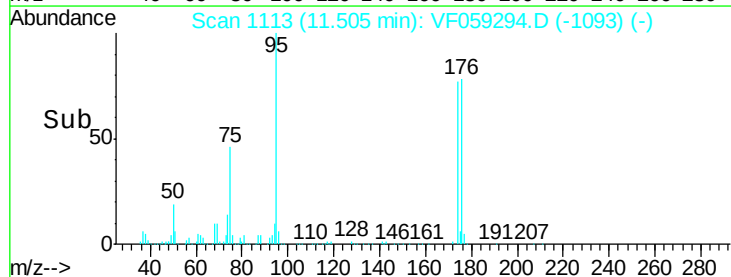
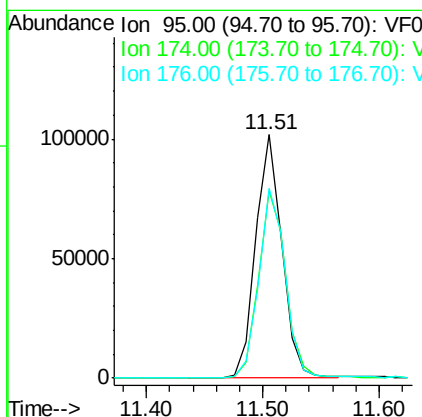
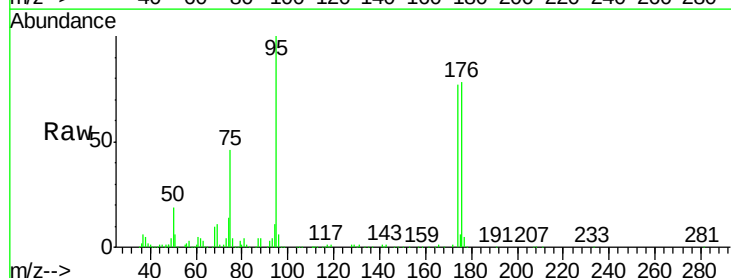
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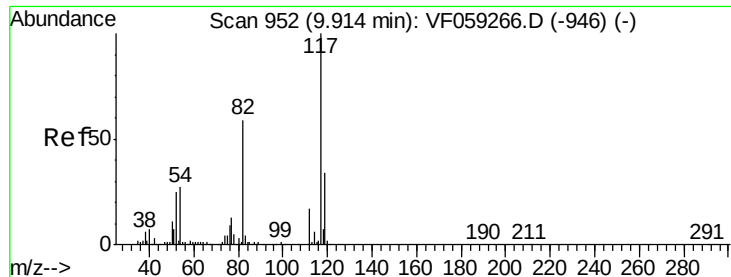
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#62
4-Bromofluorobenzene
Concen: 47.78 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Tgt Ion: 95 Resp: 159258
Ion Ratio Lower Upper
95 100
174 76.9 0.0 166.2
176 77.9 0.0 162.8





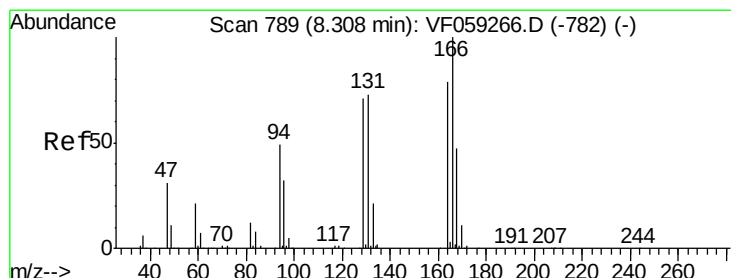
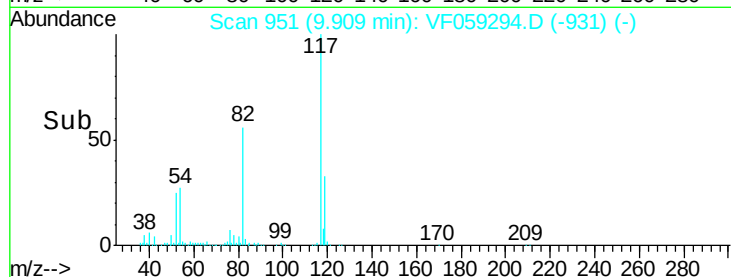
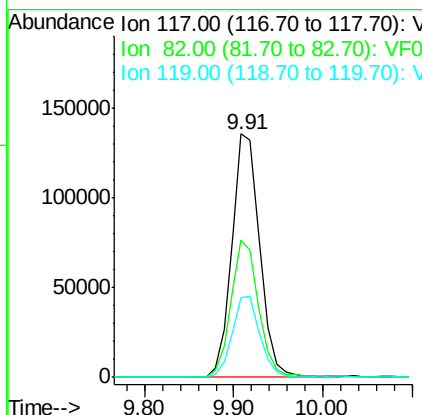
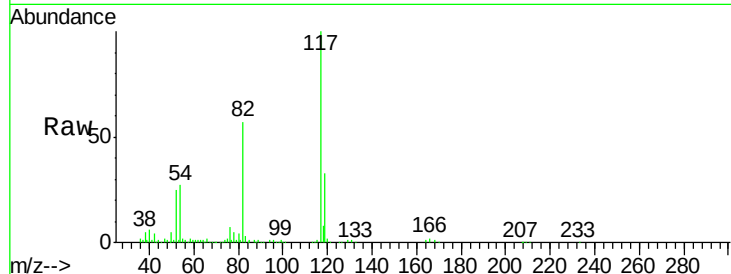
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299198		
82	56.6	47.1	70.7	
119	32.8	26.9	40.3	

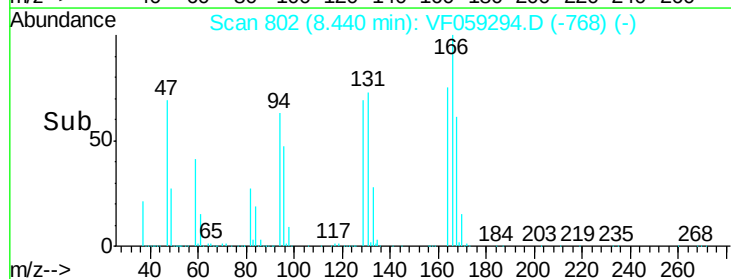
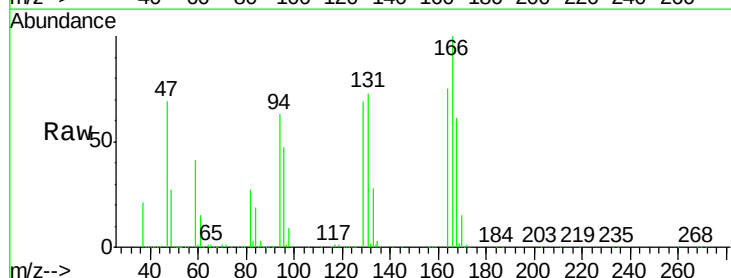
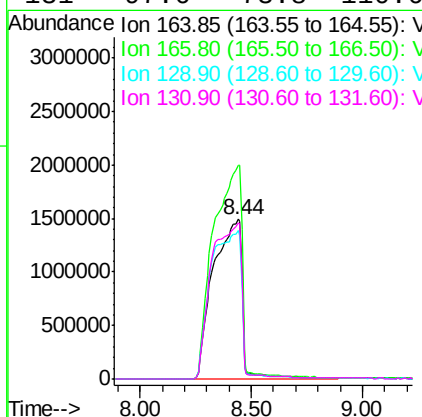
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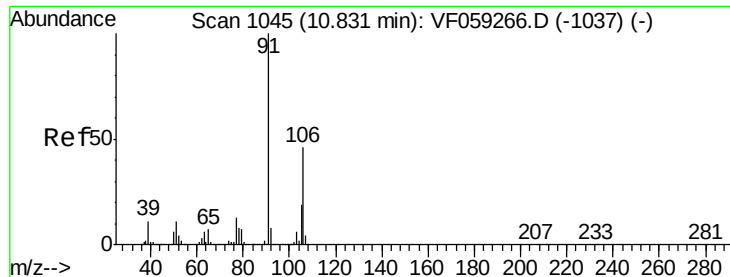
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#64
Tetrachloroethene
Concen: 5885.39 ug/l m
RT: 8.44 min Scan# 802
Delta R.T. 0.13 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13523717		
166	134.0	101.4	152.2	
129	92.9	72.2	108.4	
131	97.6	73.8	110.6	





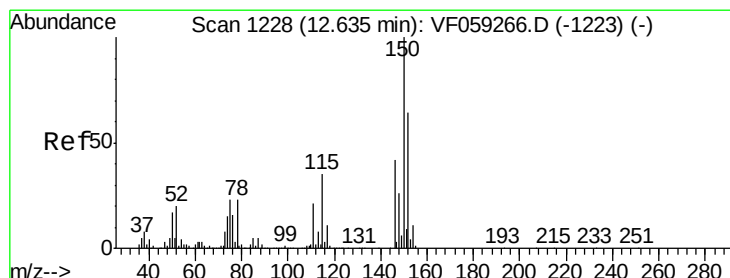
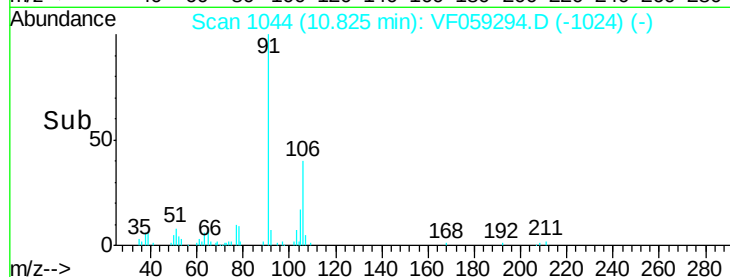
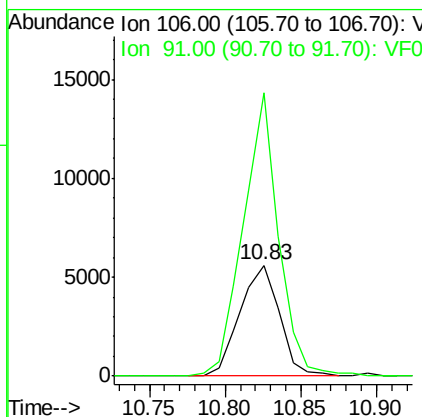
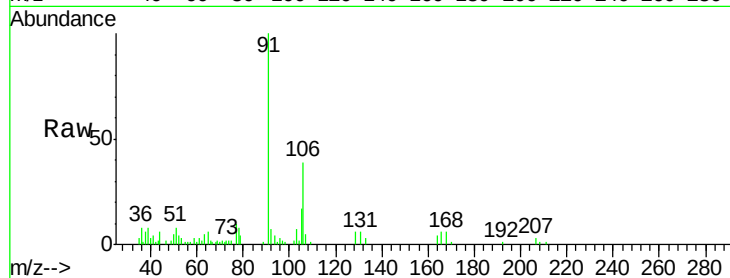
#69
o-Xylene
Concen: 2.38 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Instrument :
MSVOA_F
ClientSampleId :
S-3(8.5-9)

Tot Ion	Ratio	Lower	Upper
106	100		
91	255.5	109.1	327.4

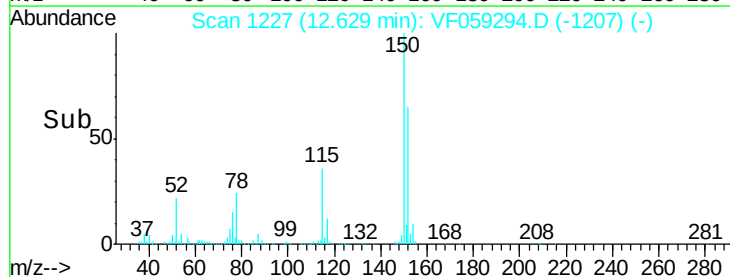
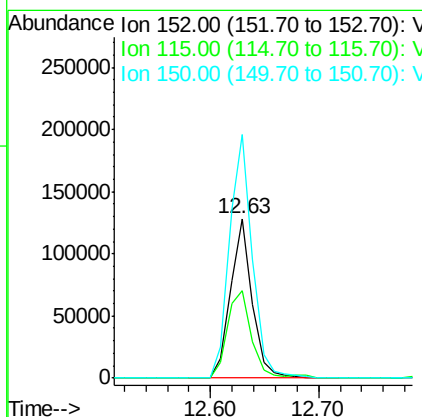
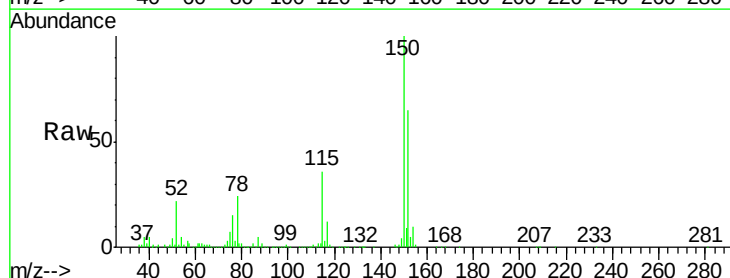
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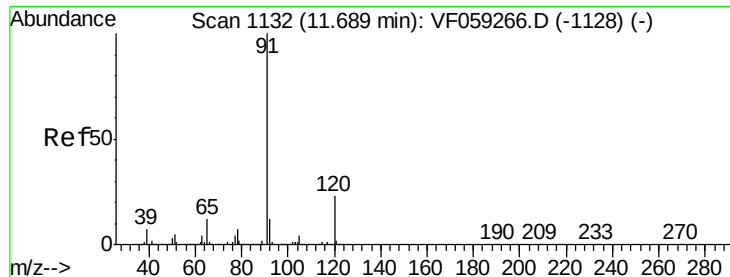
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059294.D
Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.3
150	152.9	0.0	313.8





#78

n-propylbenzene

Concen: 5.41 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059294.D

Acq: 23 Jun 2018 00:43

Instrument :

MSVOA_F

ClientSampleId :

S-3(8.5-9)

Tot Ion: 91 Resp: 79441

Ion Ratio Lower Upper

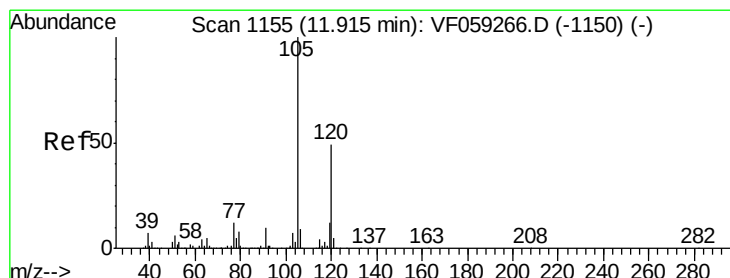
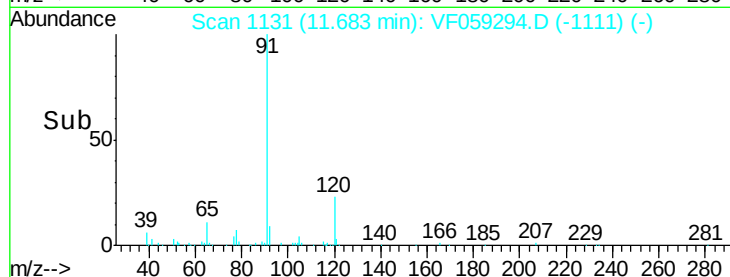
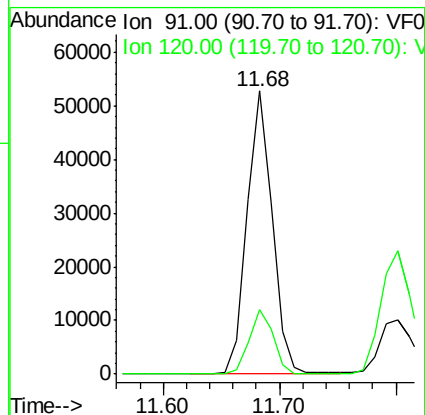
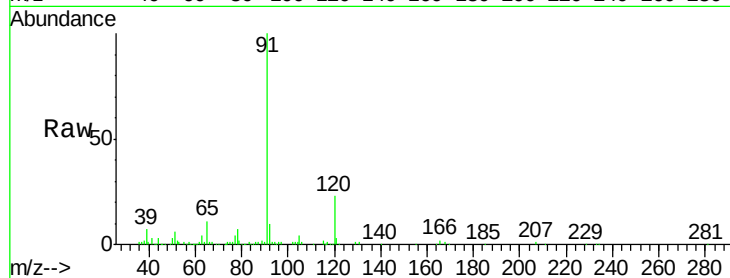
91 100

120 22.9 11.5 34.5

Manual Integrations
APPROVED

apatel

6/24/2018 11:35:15 AM



#80

1,3,5-Trimethylbenzene

Concen: 9.35 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059294.D

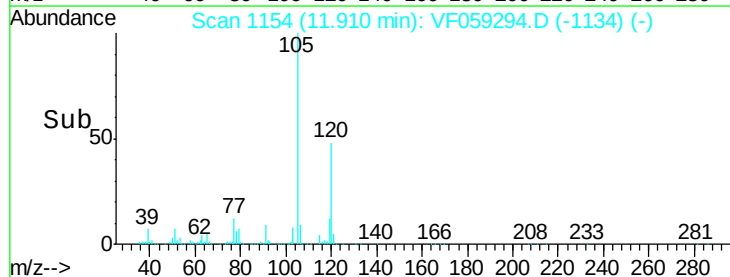
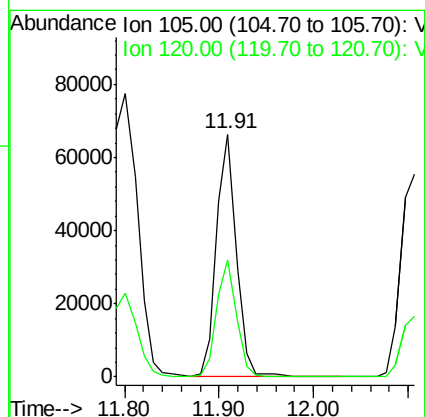
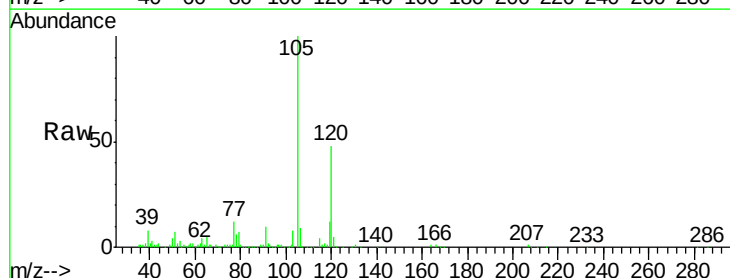
Acq: 23 Jun 2018 00:43

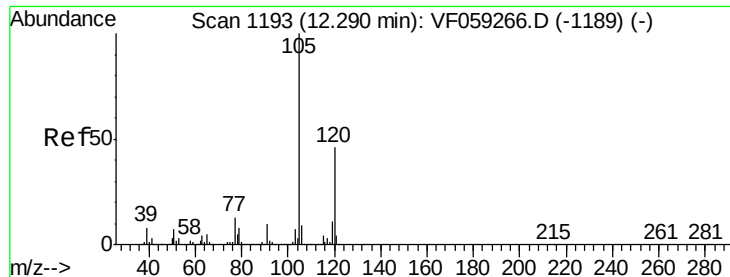
Tgt Ion: 105 Resp: 98080

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0





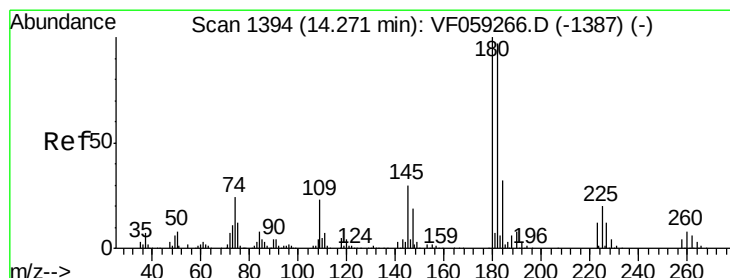
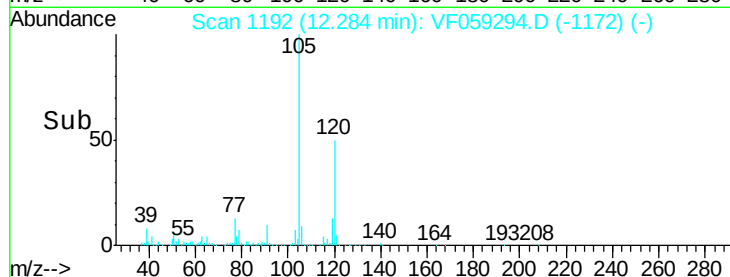
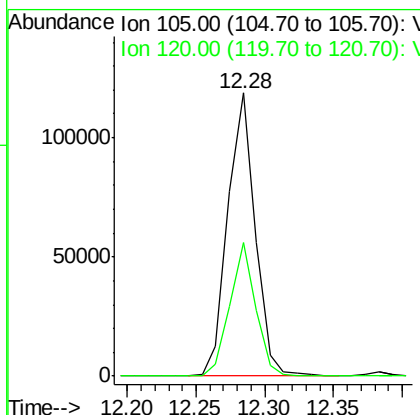
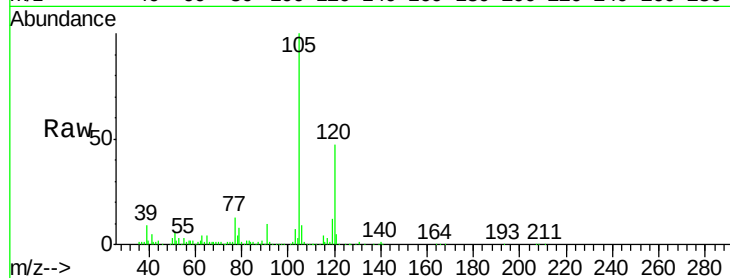
#84
 1,2,4-Trimethylbenzene
 Concen: 14.93 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059294.D
 Acq: 23 Jun 2018 00:43

Instrument :
 MSVOA_F
 ClientSampleId :
 S-3(8.5-9)

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.8	68.4

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:35:15 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 2.28 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059294.D
 Acq: 23 Jun 2018 00:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.4	48.6	145.9
145	25.8	15.0	45.1

