

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061131.D
 Acq On : 21 Dec 2018 17:41
 Operator : VA/AP
 Sample : J6377-09RE
 Misc : 3.84g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0006-01RE

Manual Integrations
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 12/26/2018 10:51:28 AM

Quant Time: Dec 22 00:02:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	25121	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	37342	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.82	117	20601	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	4476	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	8343	25.82	ug/l	0.05
Spiked Amount	50.000		Recovery	=	51.64%	
35) Dibromofluoromethane	4.14	113	9653	32.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	64.54%	
50) Toluene-d8	7.59	98	26122	30.82	ug/l	0.03
Spiked Amount	50.000		Recovery	=	61.64%	
62) 4-Bromofluorobenzene	11.44	95	6852m	17.53	ug/l	0.03
Spiked Amount	50.000		Recovery	=	35.06%	
Target Compounds						
						Qvalue
31) Cyclohexane	3.73	56	19501m	41.321	ug/l	
39) Methylcyclohexane	5.49	83	60676	150.048	ug/l	97
52) Toluene	7.67	92	1469	2.289	ug/l	89
65) Chlorobenzene	9.84	112	5683	13.353	ug/l	94
68) m/p-Xylenes	10.17	106	33896	124.224	ug/l	97
69) o-Xylene	10.75	106	776	2.564	ug/l	34
73) Isopropylbenzene	11.16	105	3678	9.535	ug/l #	68
78) n-propylbenzene	11.62	91	8827	17.441	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	8701	27.395	ug/l	90
84) 1,2,4-Trimethylbenzene	12.23	105	22368	70.622	ug/l	98
85) sec-Butylbenzene	12.33	105	1326	3.109	ug/l	90
86) p-Isopropyltoluene	12.49	119	1374	3.881	ug/l	90
87) 1,3-Dichlorobenzene	12.50	146	7420	55.331	ug/l	93
88) 1,4-Dichlorobenzene	12.59	146	28017	183.756	ug/l	97

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

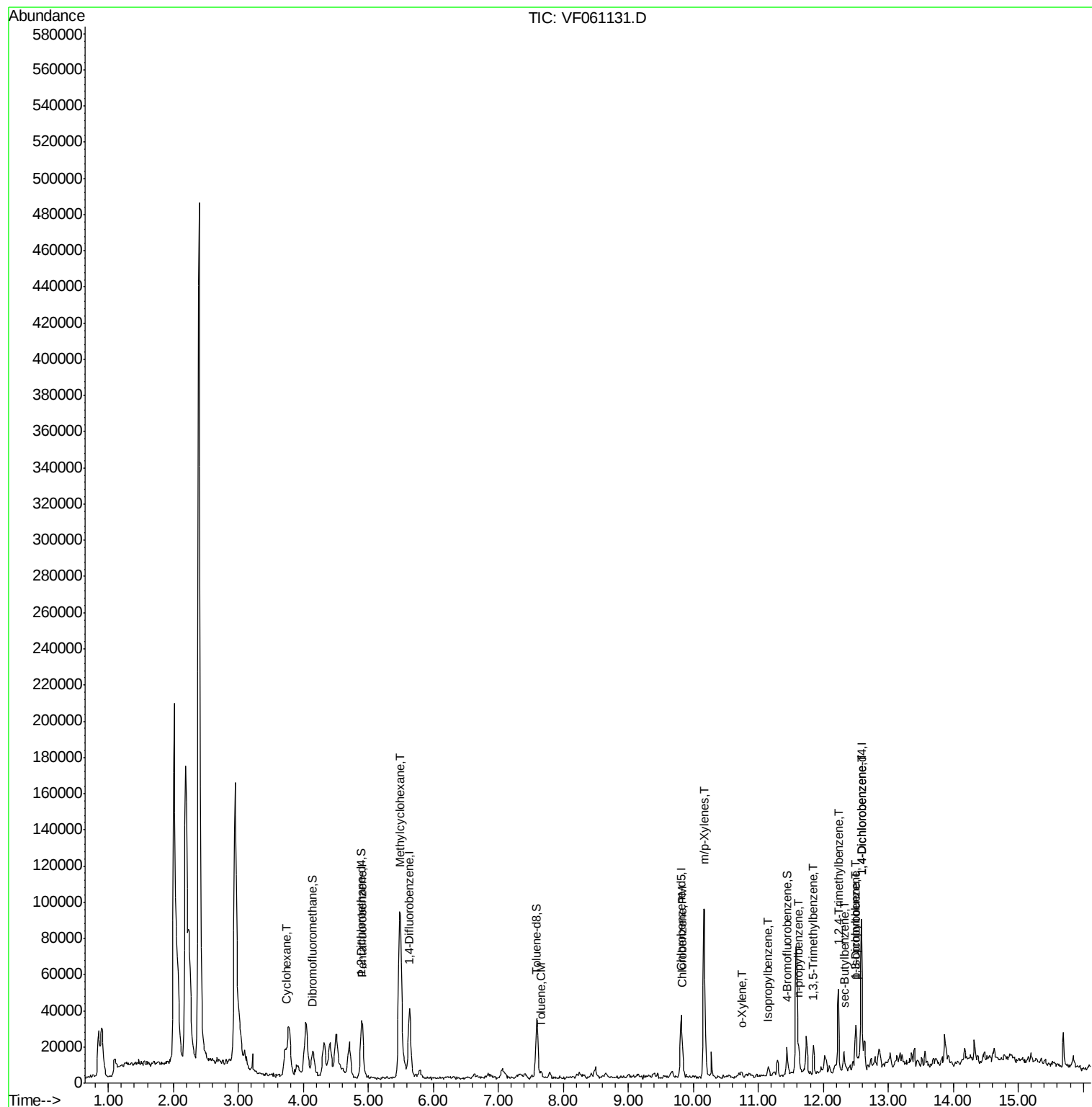
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
Data File : VF061131.D
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Operator : VA/AP
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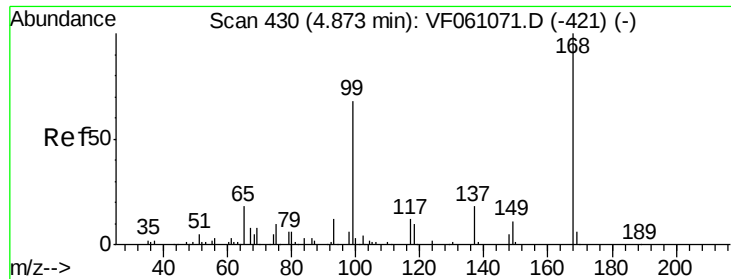
Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0006-01RE

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Quant Time: Dec 22 00:02:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.04 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0006-01RE

Tgt Ion: 168 Resp: 25121

Ion Ratio Lower Upper

168 100

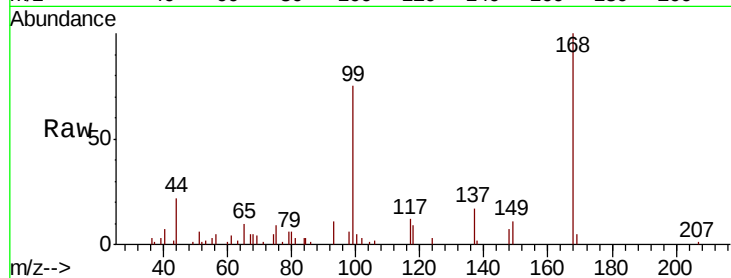
99 75.1 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

8000

6000

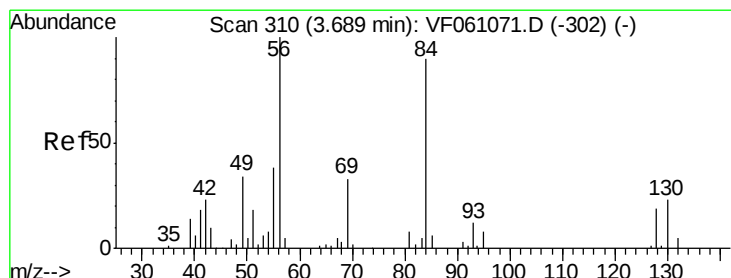
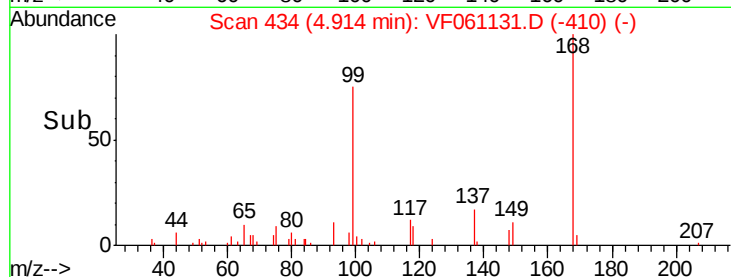
4000

2000

0

4.80 4.90 5.00

Time-->



#31

Cyclohexane

Concen: 41.321 ug/l m

RT: 3.73 min Scan# 314

Delta R.T. 0.04 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

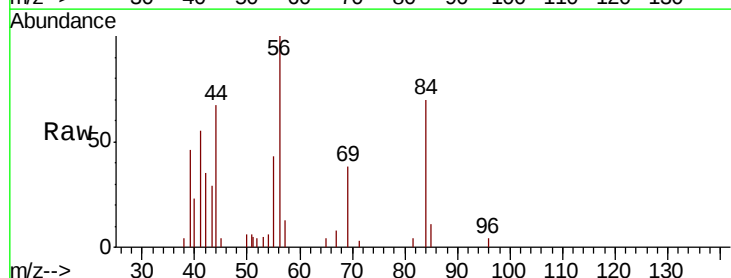
Tgt Ion: 56 Resp: 19501

Ion Ratio Lower Upper

56 100

69 37.7 26.0 39.0

84 69.5 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

3.73

4000

3000

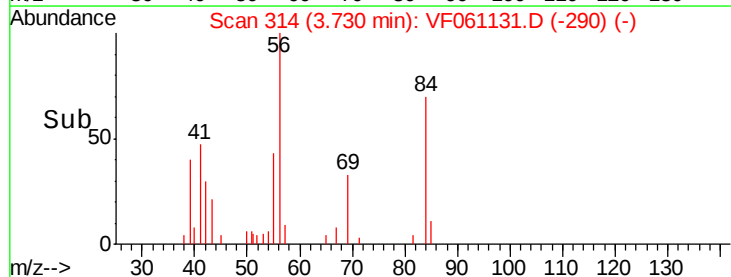
2000

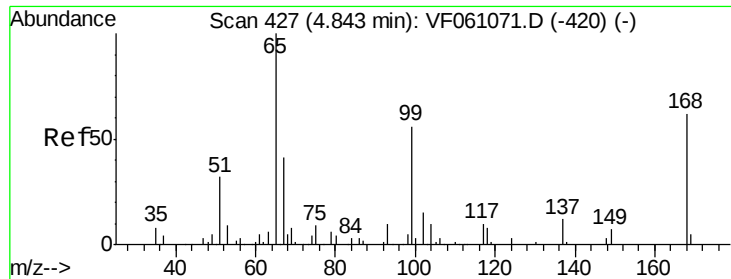
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0

3.60 3.70 3.80

Time-->





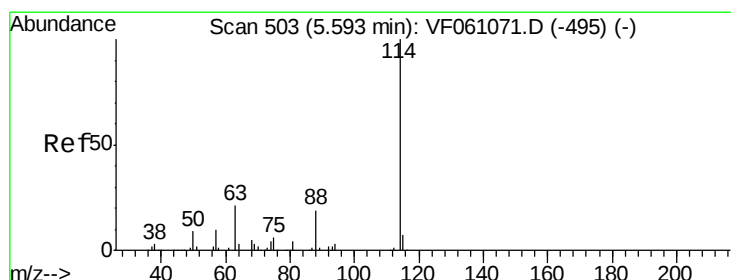
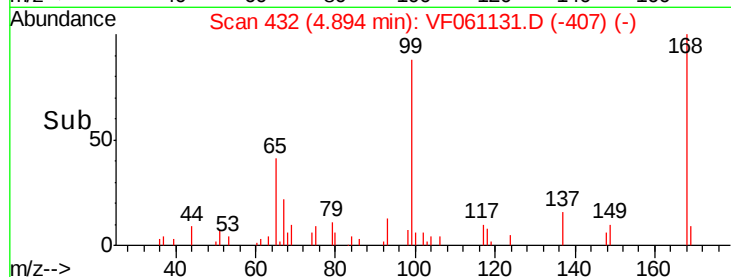
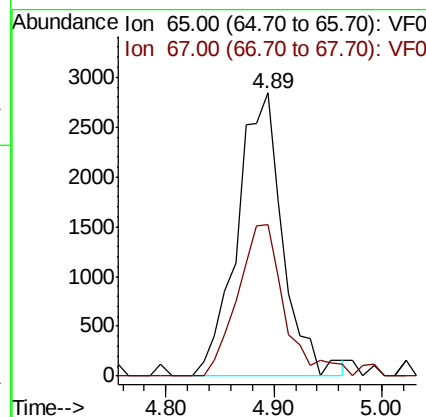
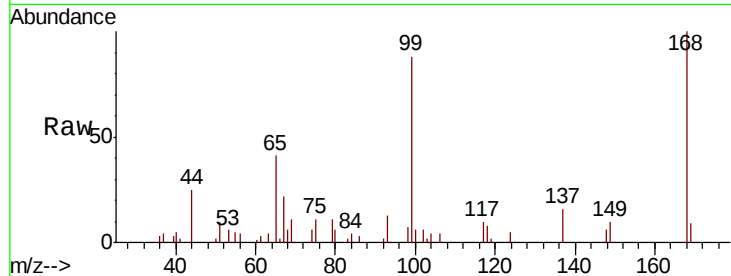
#33
 1,2-Dichloroethane-d4
 Concen: 25.822 ug/l
 RT: 4.89 min Scan# 432
 Delta R.T. 0.05 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0006-01RE

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	8343		
67	53.6	0.0	94.6	

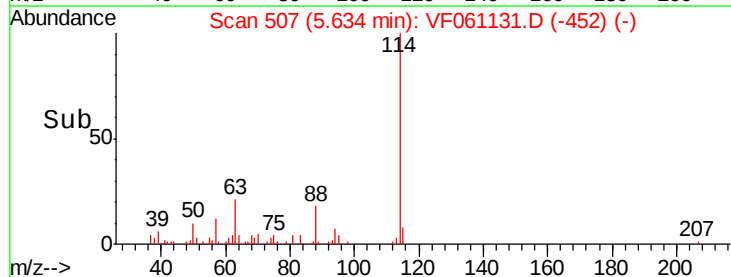
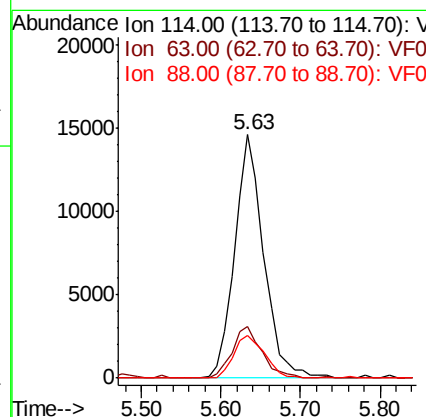
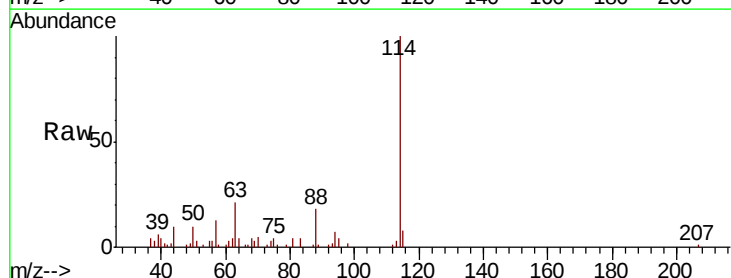
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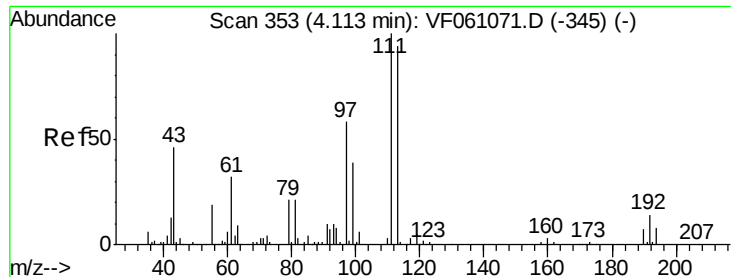
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.04 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	37342		
63	21.1	0.0	41.6	
88	17.6	0.0	38.0	





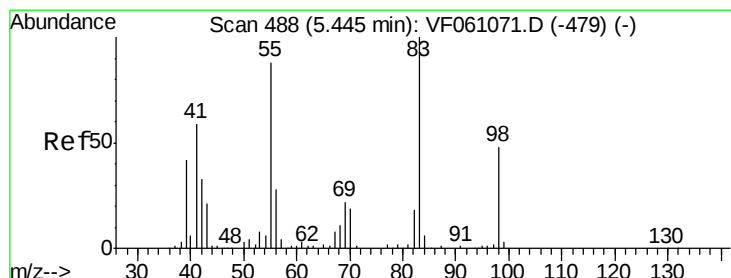
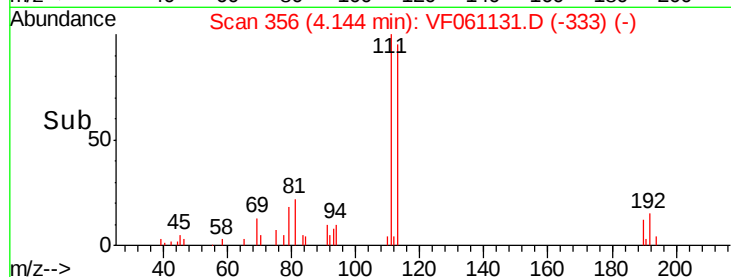
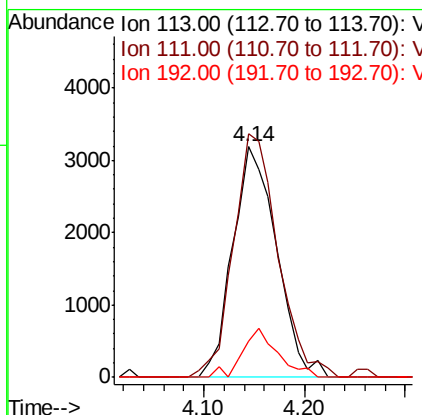
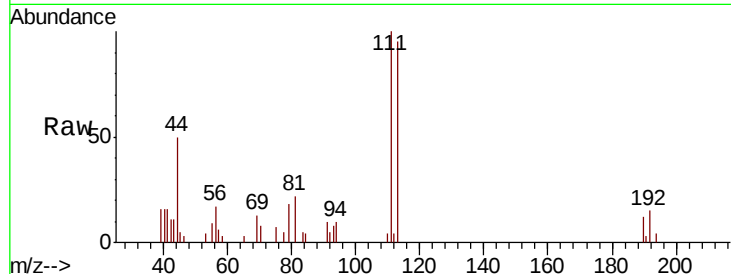
#35
Dibromofluoromethane
Concen: 32.270 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.03 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
113	100	9653		
111	110.1	85.2	127.8	
192	15.8	12.8	19.2	

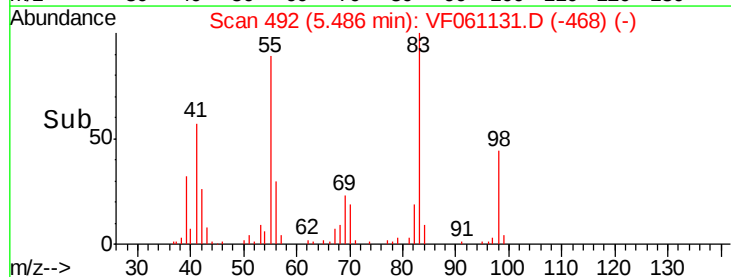
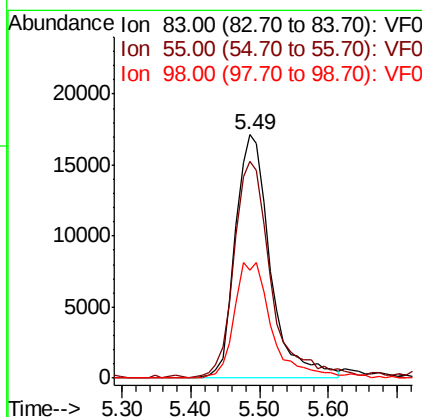
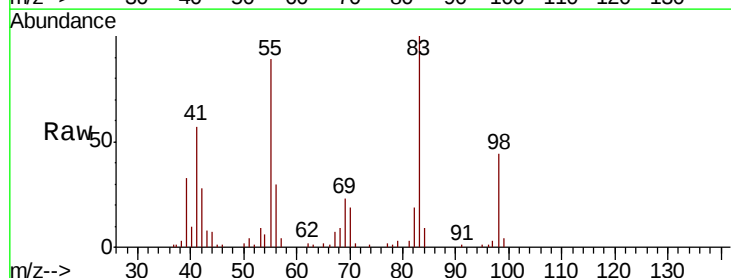
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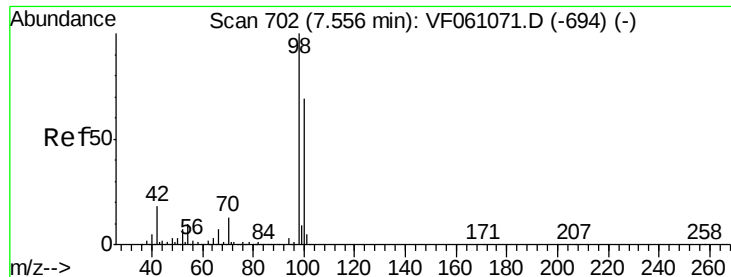
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#39
Methylcyclohexane
Concen: 150.048 ug/l
RT: 5.49 min Scan# 492
Delta R.T. 0.04 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	60676		
55	88.9	70.6	105.8	
98	44.1	38.5	57.7	





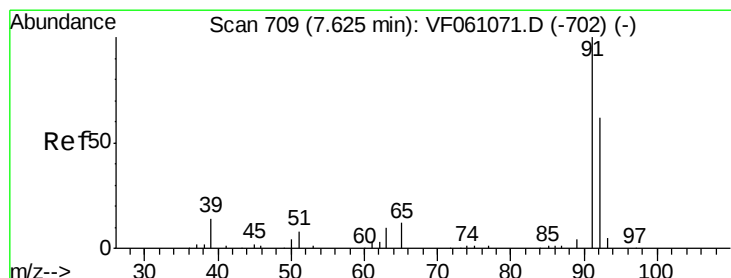
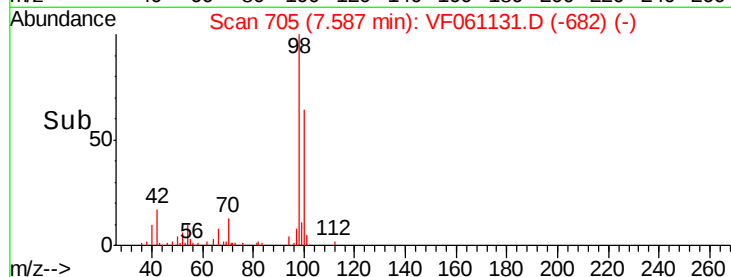
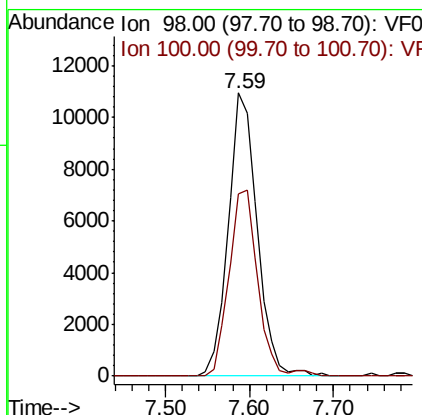
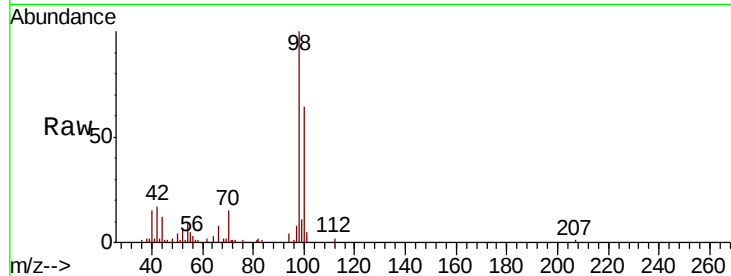
#50
Toluene-d8
Concen: 30.815 ug/l
RT: 7.59 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0006-01RE

Tgt Ion: 98 Resp: 26122
Ion Ratio Lower Upper
98 100
100 64.2 55.3 82.9

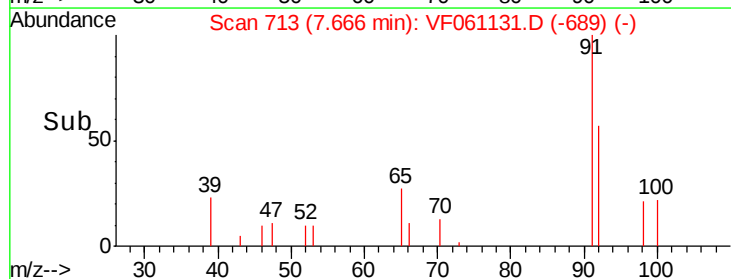
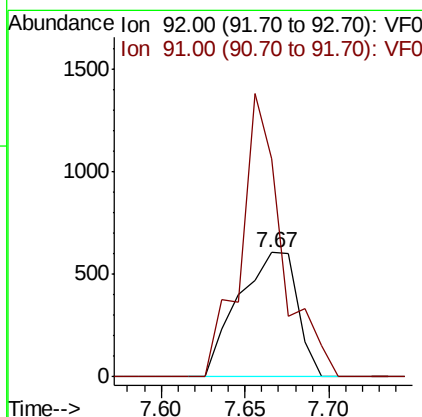
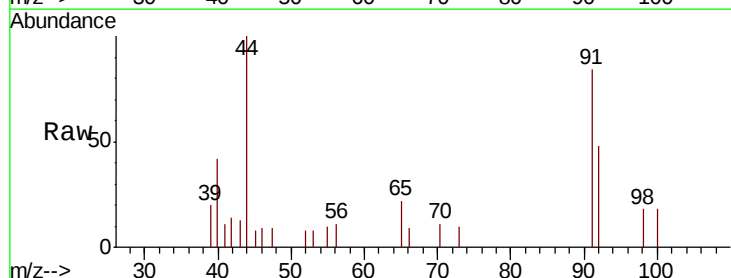
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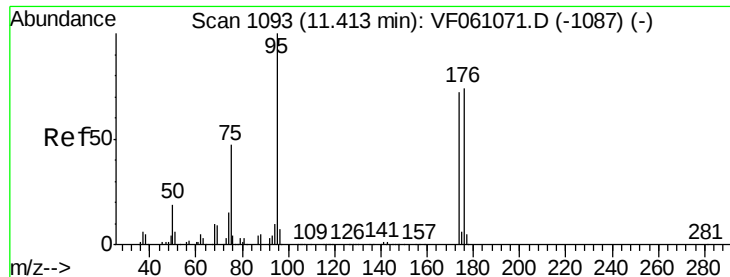
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#52
Toluene
Concen: 2.289 ug/l
RT: 7.67 min Scan# 713
Delta R.T. 0.04 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Tgt Ion: 92 Resp: 1469
Ion Ratio Lower Upper
92 100
91 175.5 128.8 193.2





#62

4-Bromofluorobenzene

Concen: 17.533 ug/l m

RT: 11.44 min Scan# 1096

Delta R.T. 0.03 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

Instrument :

MSVOA_F

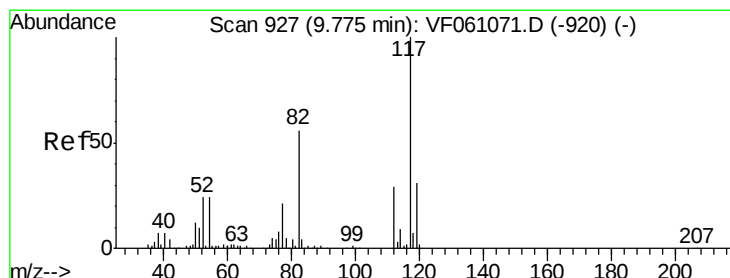
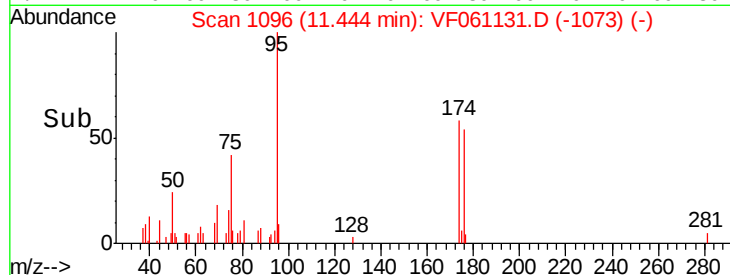
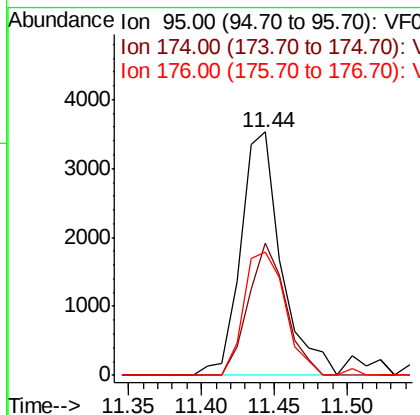
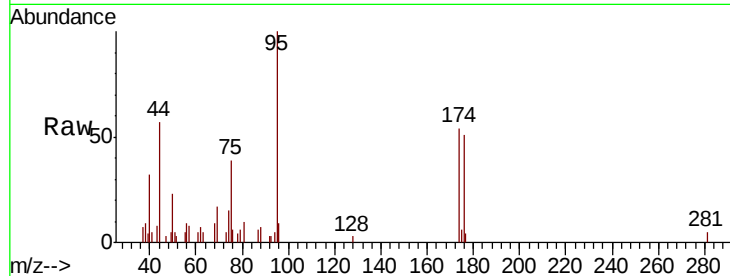
ClientSampleId :

P001-SD003-0006-01RE

Tgt Ion:	95	Resp:	6852
Ion Ratio	Lower	Upper	
95	100		
174	54.4	0.0	143.8
176	50.8	0.0	147.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

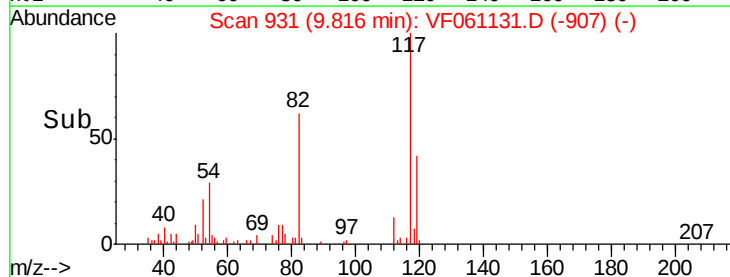
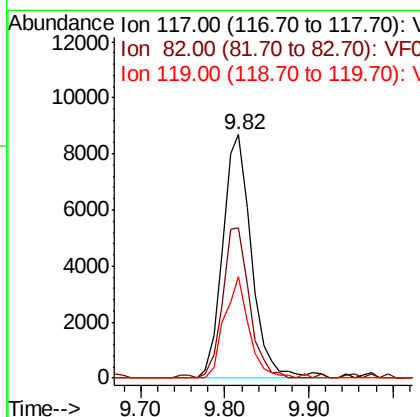
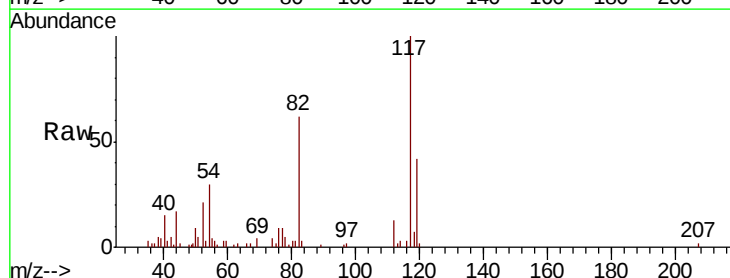
RT: 9.82 min Scan# 931

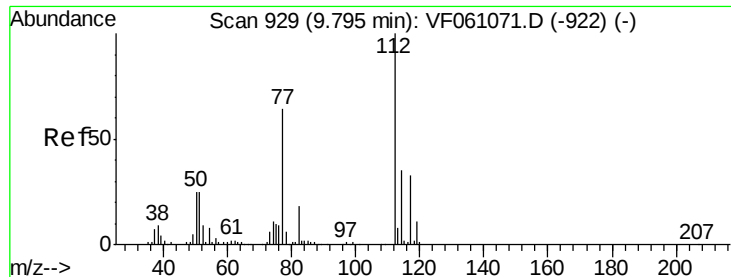
Delta R.T. 0.04 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

Tgt Ion:	117	Resp:	20601
Ion Ratio	Lower	Upper	
117	100		
82	61.8	45.0	67.4
119	41.6	24.8	37.2#





#65

Chlorobenzene

Concen: 13.353 ug/l

RT: 9.84 min Scan# 933

Delta R.T. 0.04 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0006-01RE

Tgt Ion:112 Resp: 5683

Ion Ratio Lower Upper

112 100

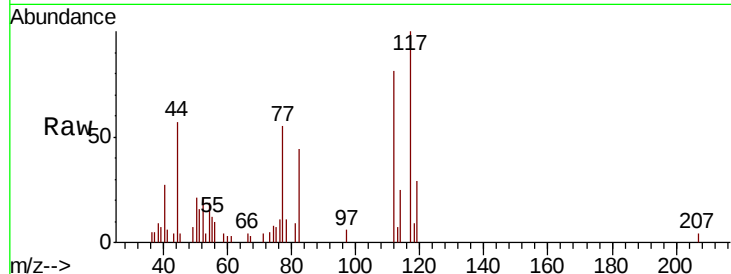
114 31.1 27.8 41.6

Manual Integrations

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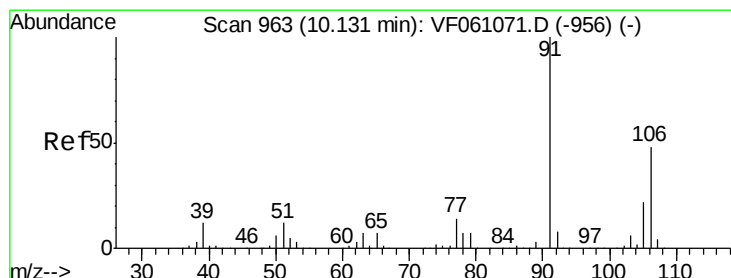
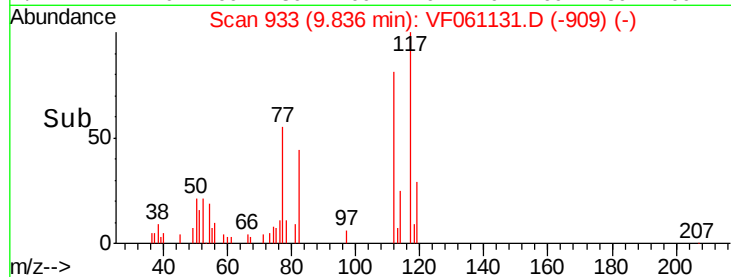
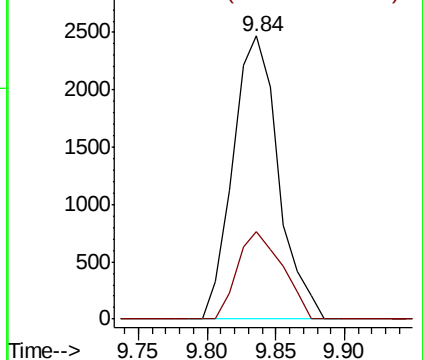
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#68

m/p-Xylenes

Concen: 124.224 ug/l

RT: 10.17 min Scan# 967

Delta R.T. 0.04 min

Lab File: VF061131.D

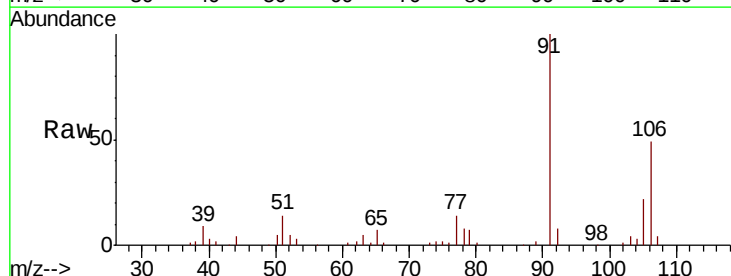
Acq: 21 Dec 2018 17:41

Tgt Ion:106 Resp: 33896

Ion Ratio Lower Upper

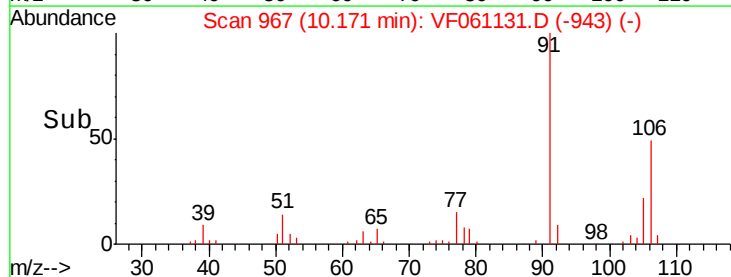
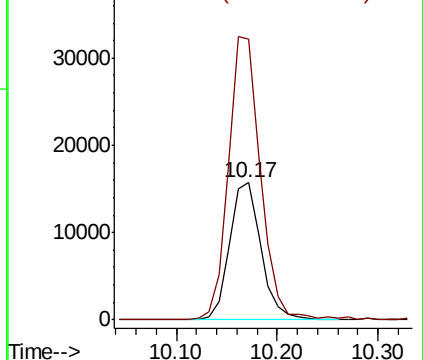
106 100

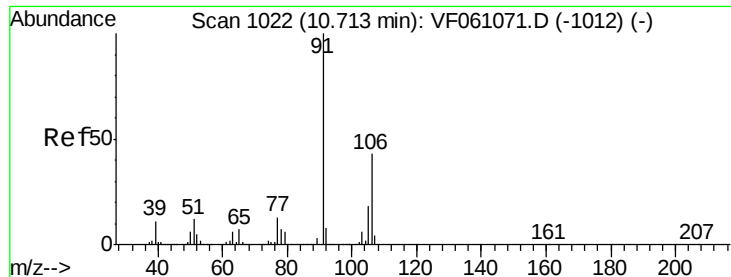
91 204.9 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





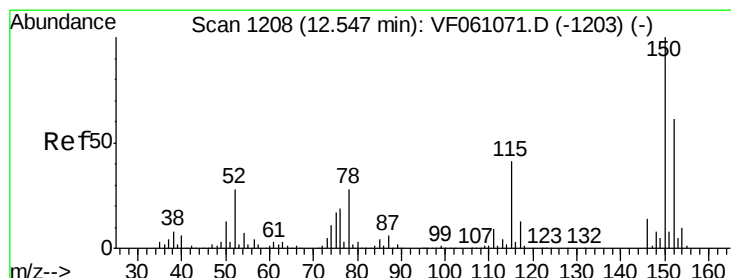
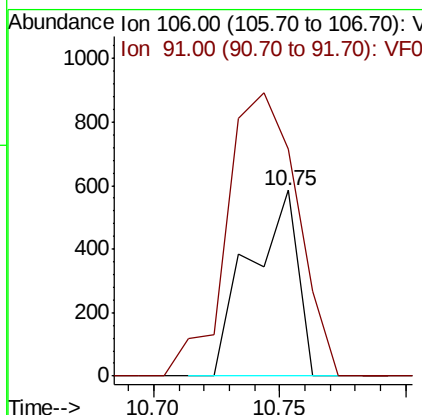
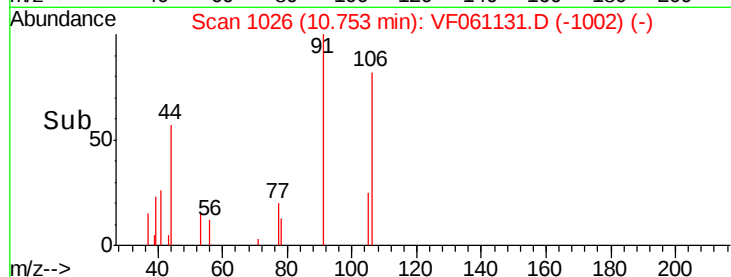
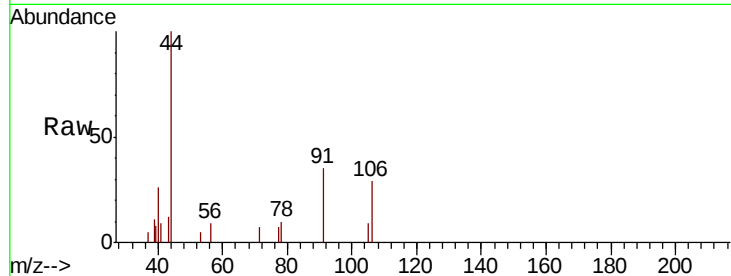
#69
o-Xylene
Concen: 2.564 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.04 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
P001-SD003-0006-01RE

Tgt Ion:106 Resp: 776
Ion Ratio Lower Upper
106 100
91 122.1 115.9 347.7

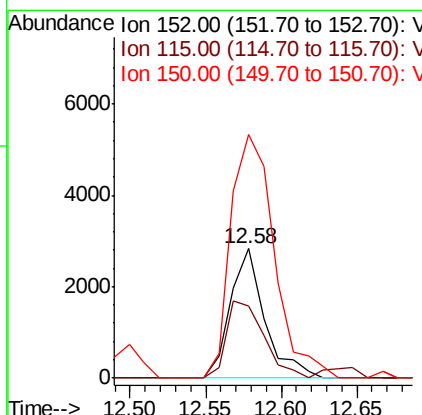
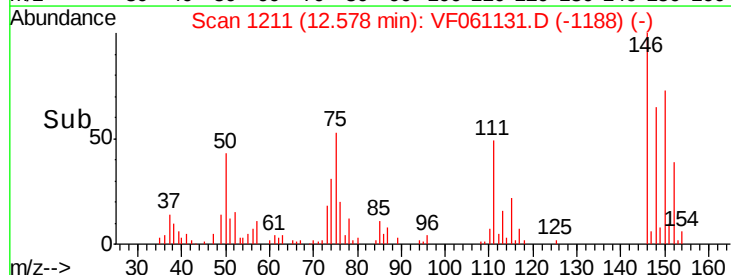
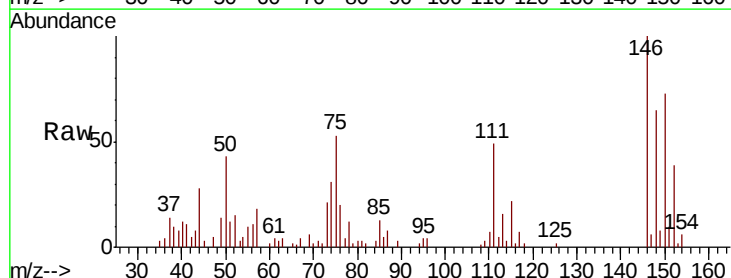
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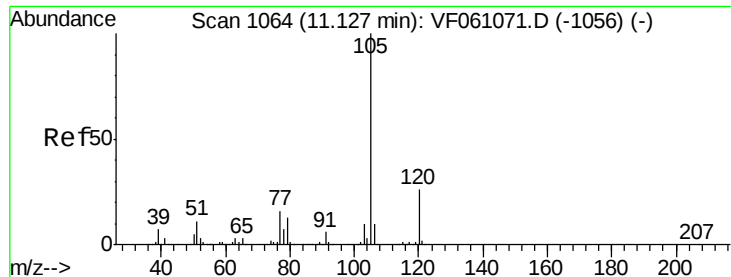
MMDadoda
12/26/2018 10:51:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061131.D
Acq: 21 Dec 2018 17:41

Tgt Ion:152 Resp: 4476
Ion Ratio Lower Upper
152 100
115 55.9 33.3 99.9
150 187.9 0.0 328.2





#73

Isopropylbenzene

Concen: 9.535 ug/l

RT: 11.16 min Scan# 1067

Delta R.T. 0.03 min

Lab File: VF061131.D

Acq: 21 Dec 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

P001-SD003-0006-01RE

Tgt Ion: 105 Resp: 3678

Ion Ratio Lower Upper

105 100

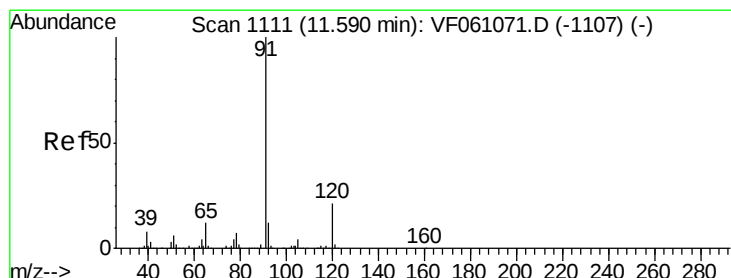
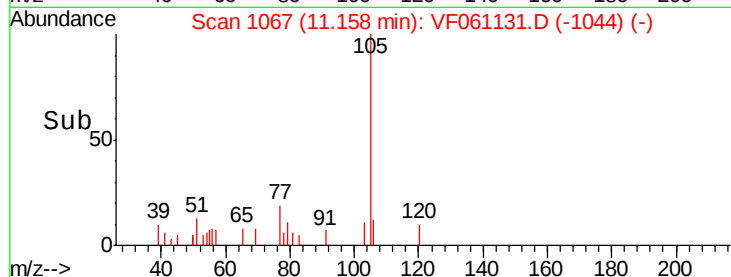
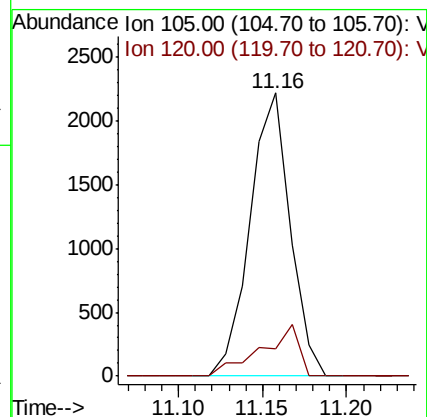
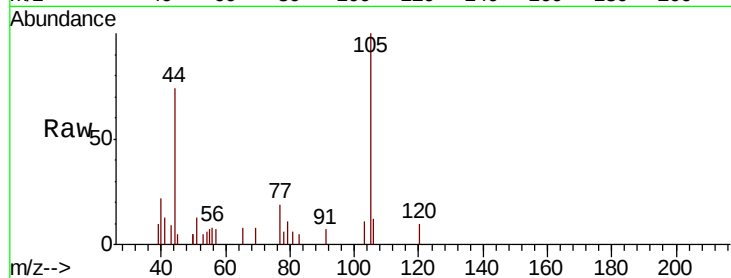
120 9.7 13.0 39.0#

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#78

n-propylbenzene

Concen: 17.441 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF061131.D

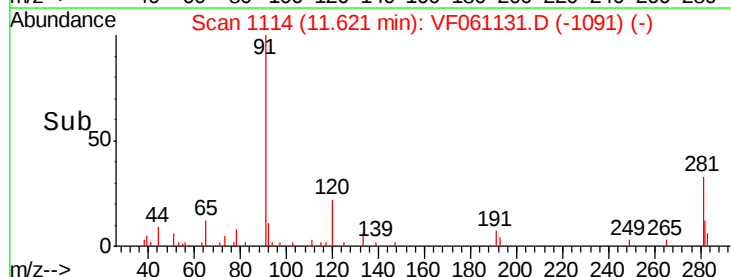
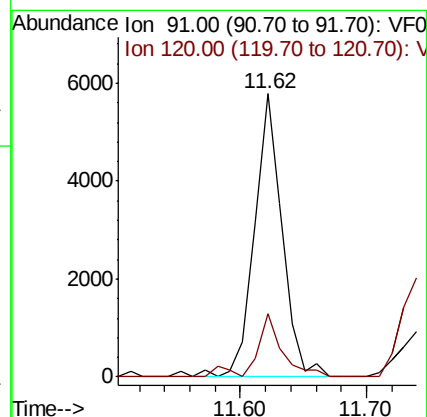
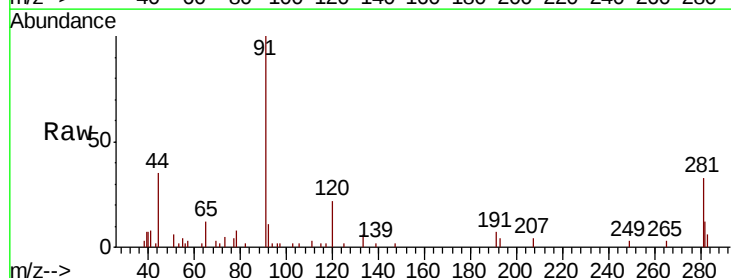
Acq: 21 Dec 2018 17:41

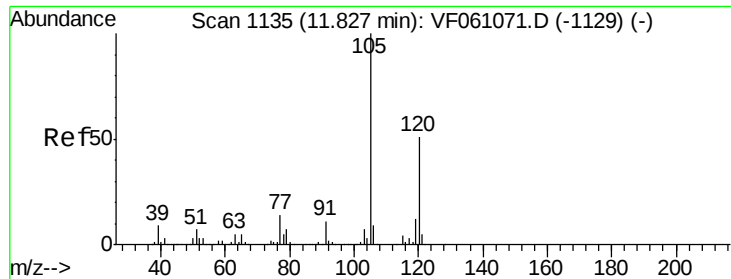
Tgt Ion: 91 Resp: 8827

Ion Ratio Lower Upper

91 100

120 22.2 10.4 31.2





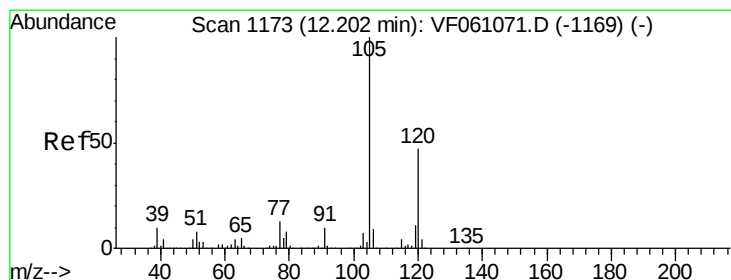
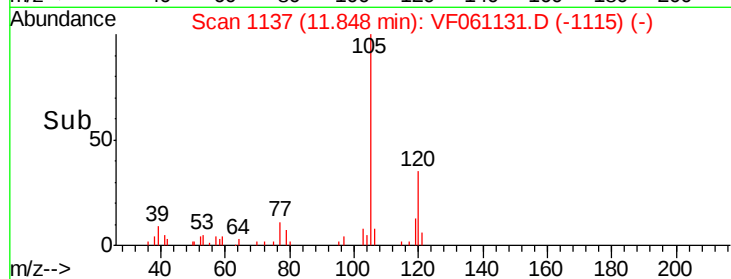
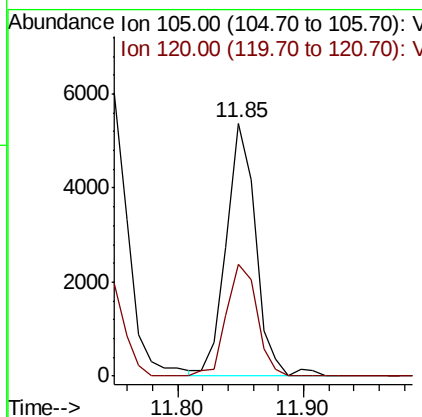
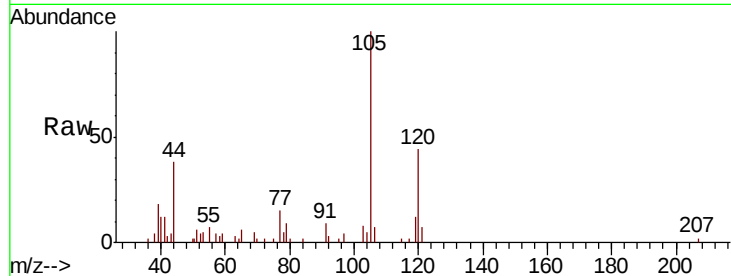
#80
 1,3,5-Trimethylbenzene
 Concen: 27.395 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0006-01RE

Tgt Ion:105 Resp: 8701
 Ion Ratio Lower Upper
 105 100
 120 44.2 25.4 76.4

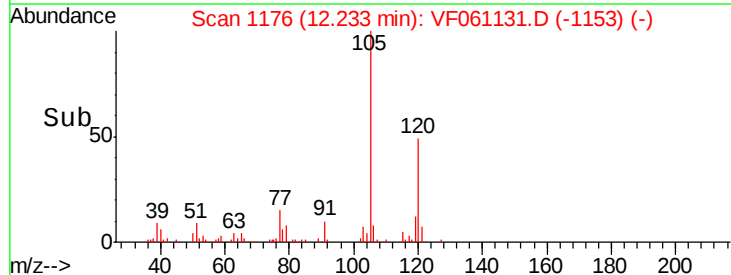
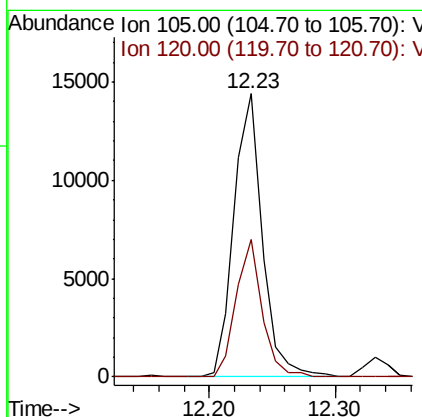
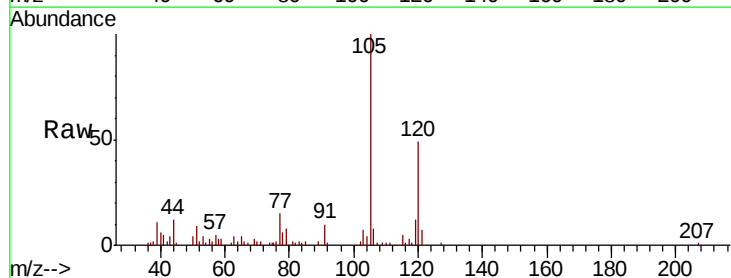
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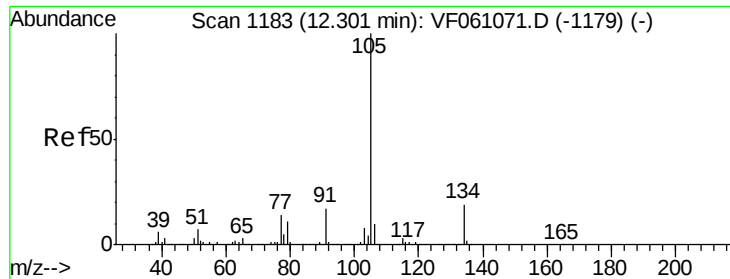
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#84
 1,2,4-Trimethylbenzene
 Concen: 70.622 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.03 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Tgt Ion:105 Resp: 22368
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.6 71.0





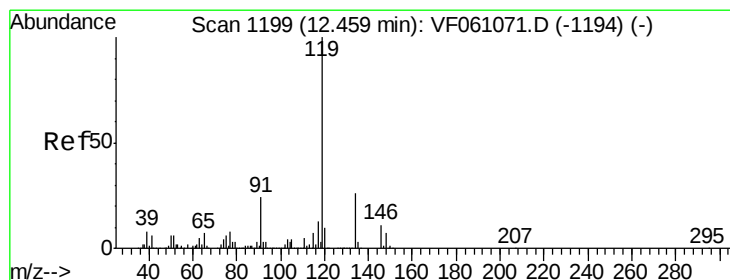
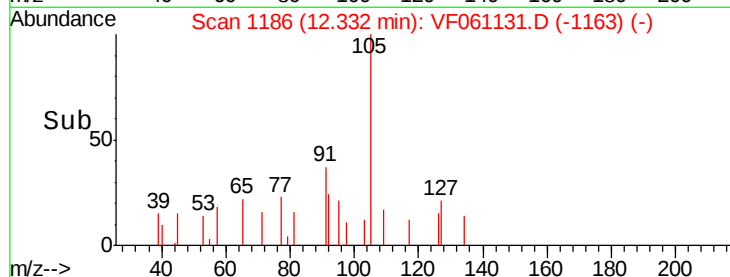
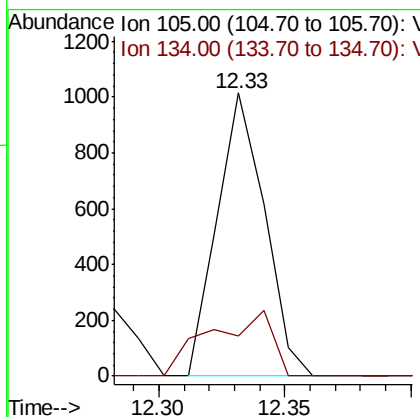
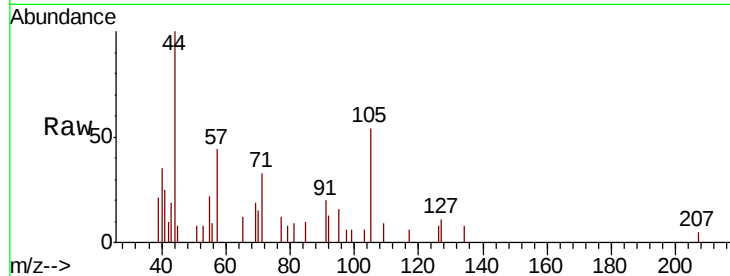
#85
 sec-Butylbenzene
 Concen: 3.109 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.03 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0006-01RE

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1326		
134	14.3	9.4	28.2	

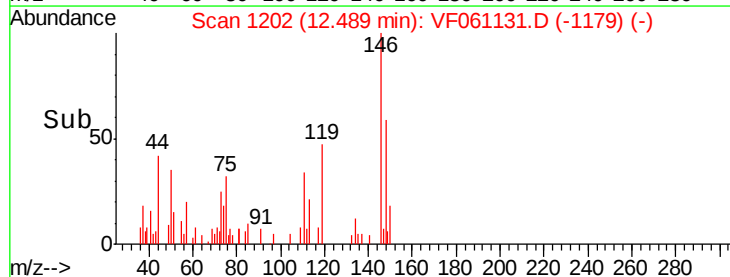
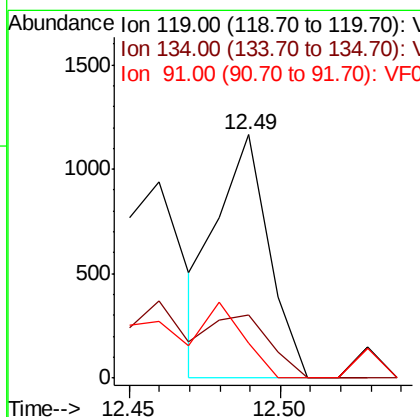
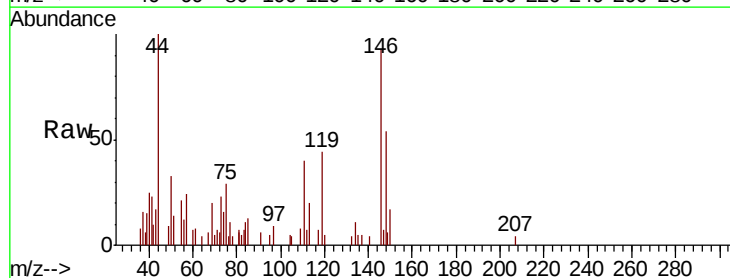
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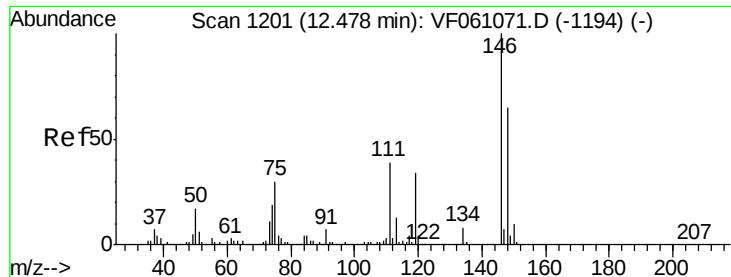
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#86
 p-Isopropyltoluene
 Concen: 3.881 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	1374		
134	25.8	12.8	38.4	
91	14.2	12.2	36.6	





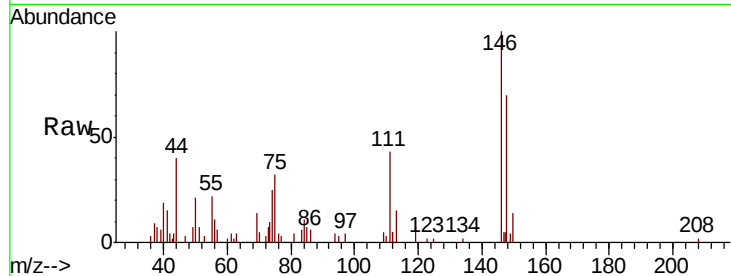
#87
 1,3-Dichlorobenzene
 Concen: 55.331 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD003-0006-01RE

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	19.3	57.9
148	70.1	32.4	97.2

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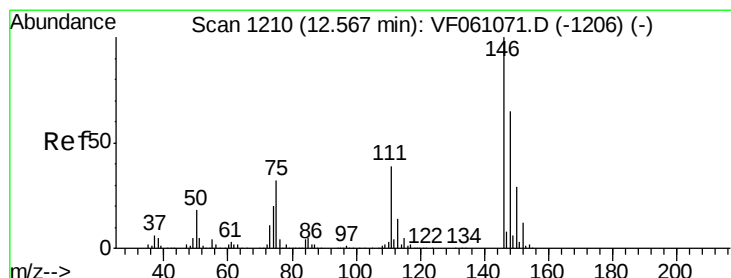
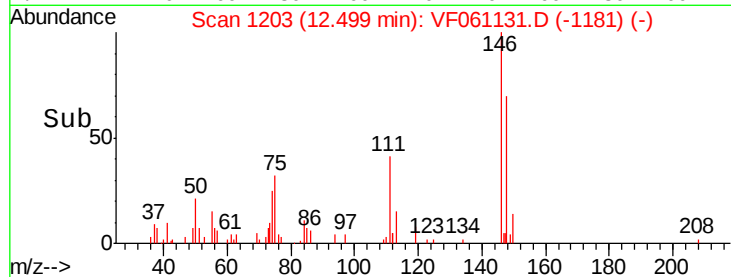
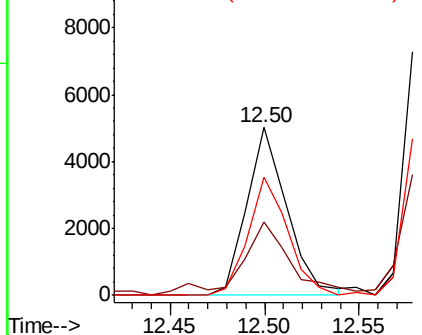


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88
 1,4-Dichlorobenzene
 Concen: 183.756 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. 0.02 min
 Lab File: VF061131.D
 Acq: 21 Dec 2018 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.4
148	66.9	32.4	97.0

Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

