

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061496.D
 Acq On : 24 Jan 2019 13:15
 Operator : VA/AP
 Sample : K1216-01RE
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1RE

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:26:37 AM

Quant Time: Jan 25 04:50:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	134849	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	5.64	114	205404	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.81	117	107900	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.58	152	25921	50.00	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	66339	39.85	ug/l	0.05
Spiked Amount 50.000			Recovery	=	79.70%	
35) Dibromofluoromethane	4.15	113	74498	45.96	ug/l	0.05
Spiked Amount 50.000			Recovery	=	91.92%	
50) Toluene-d8	7.59	98	135453	30.50	ug/l	0.05
Spiked Amount 50.000			Recovery	=	61.00%	
62) 4-Bromofluorobenzene	11.44	95	29530	14.23	ug/l	0.04
Spiked Amount 50.000			Recovery	=	28.46%	
Target Compounds						
16) Acetone	2.26	43	8981m	26.890	ug/l	
20) Methylene Chloride	2.21	84	8187m	5.663	ug/l	
86) p-Isopropyltoluene	12.48	119	6308	3.213	ug/l	92
95) Naphthalene	14.48	128	6481	5.847	ug/l #	95

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

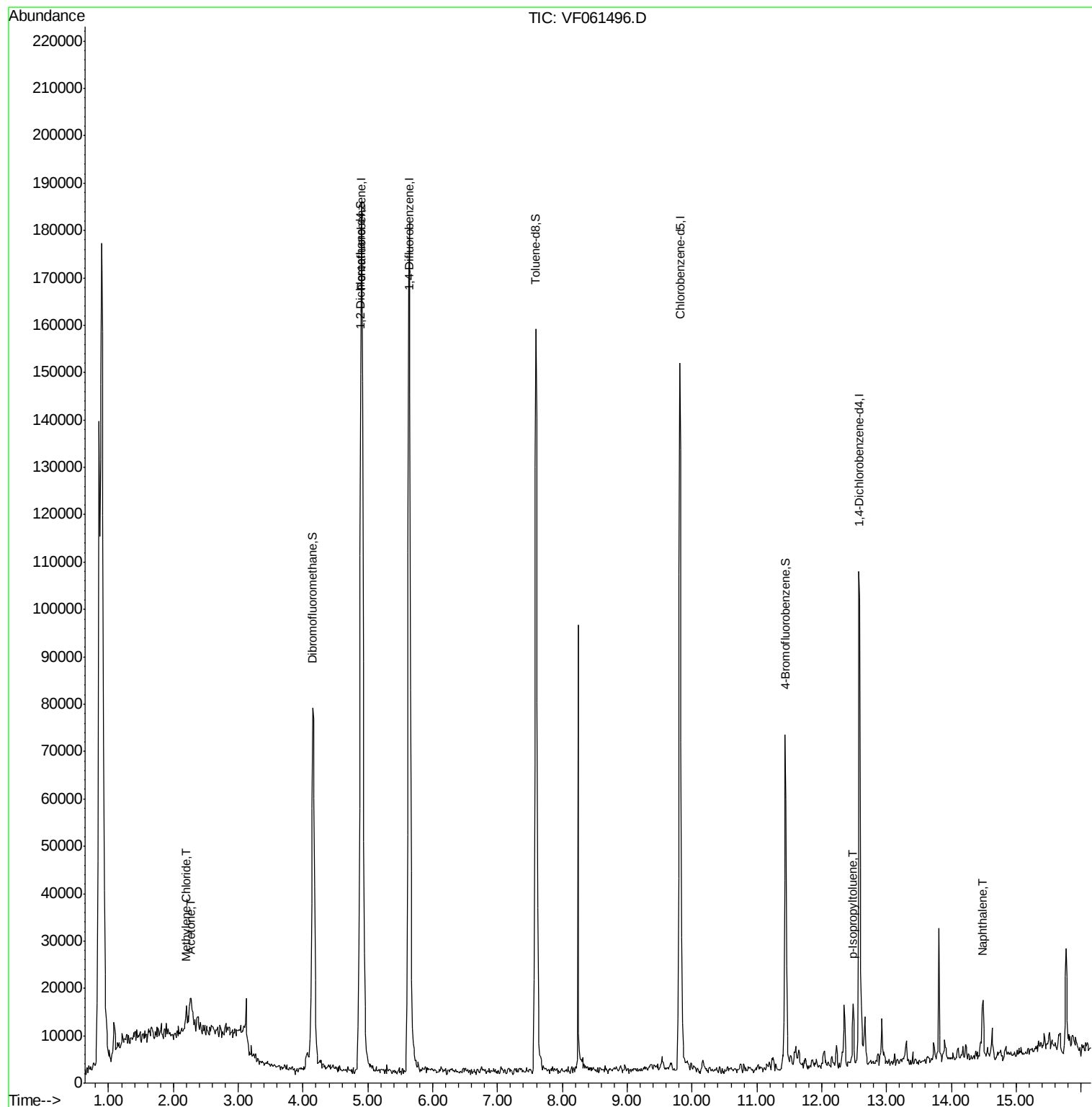
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012419\
Data File : VF061496.D
Acq On : 24 Jan 2019 13:15
Operator : VA/AP
Sample : K1216-01RE
Misc : 5.03g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

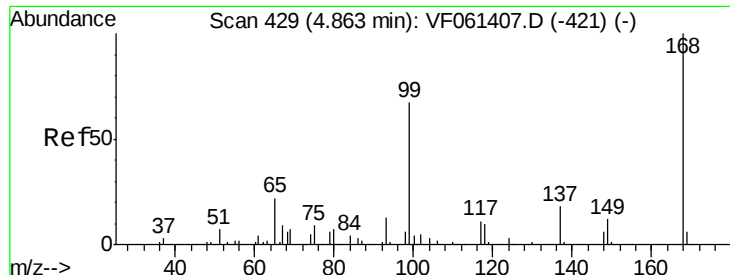
Instrument :
MSVOA_F
ClientSampleId :
MULCH-1RE

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Quant Time: Jan 25 04:50:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.05 min

Lab File: VF061496.D

Acq: 24 Jan 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1RE

Tot Ion:168 Resp: 134849

Ion Ratio Lower Upper

168 100

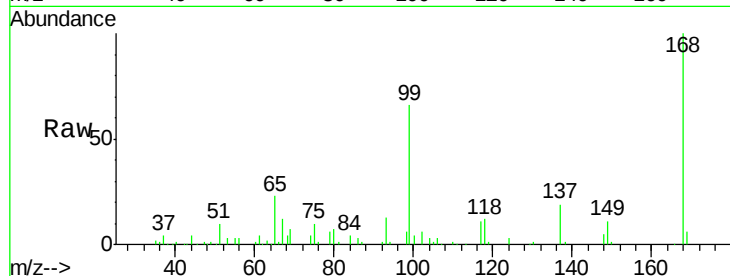
99 66.5 53.5 80.3

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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

50000

40000

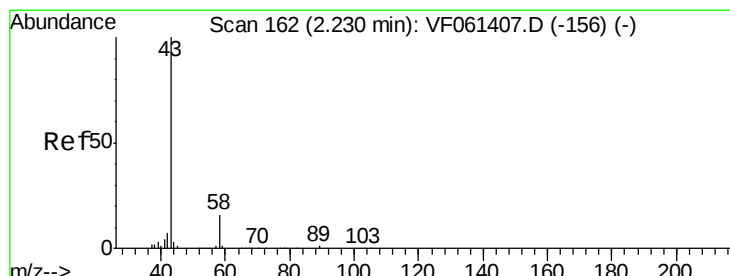
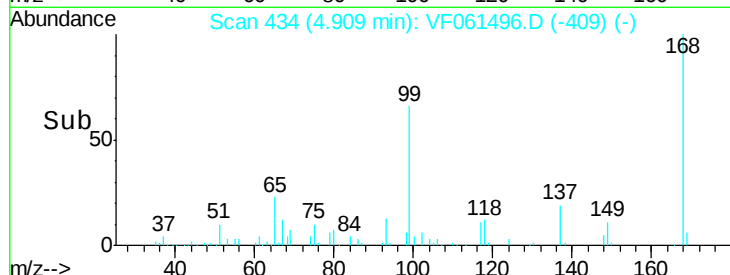
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 26.890 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. 0.03 min

Lab File: VF061496.D

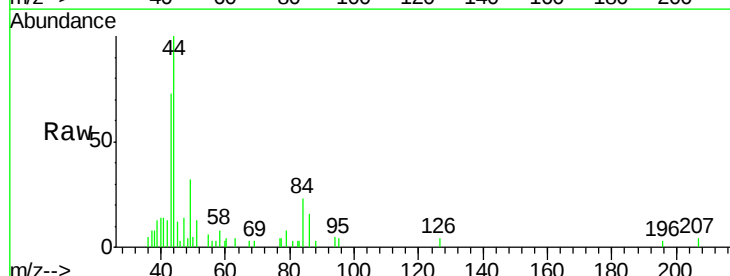
Acq: 24 Jan 2019 13:15

Tgt Ion: 43 Resp: 8981

Ion Ratio Lower Upper

43 100

58 10.8 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.26

3000

2500

2000

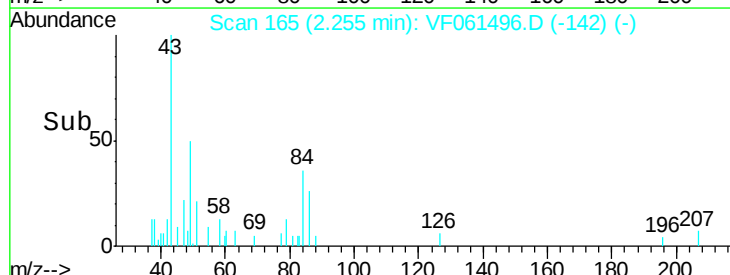
1500

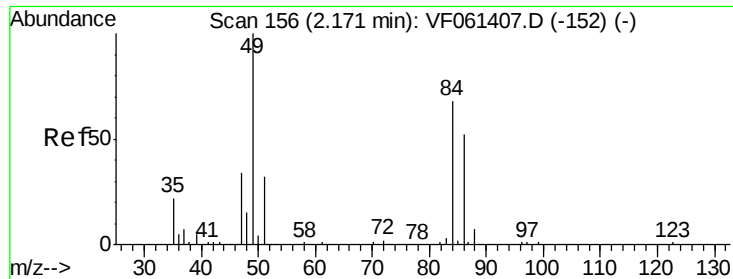
1000

500

0

Time-->





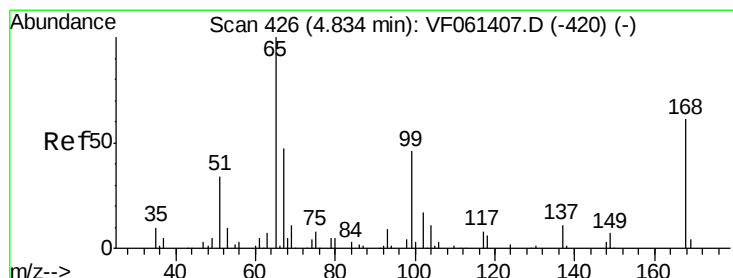
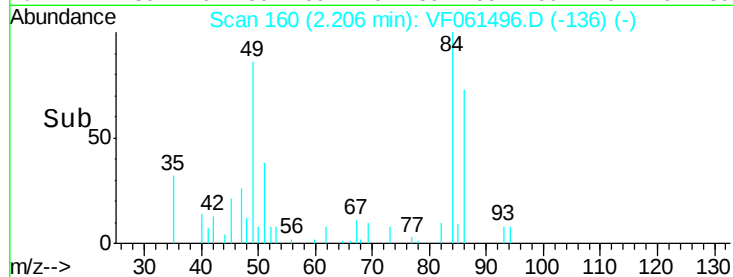
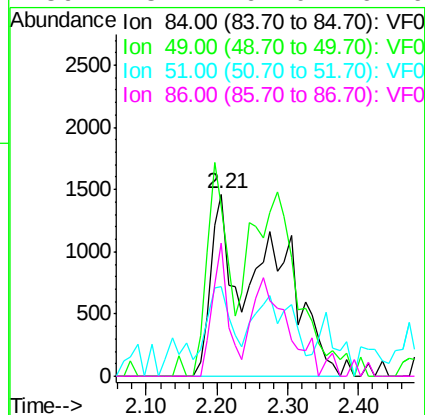
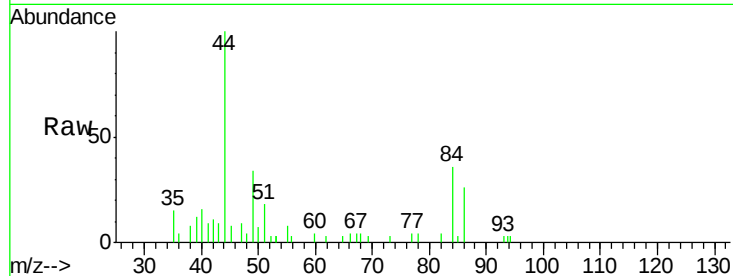
#20
Methvlene Chloride
Concen: 5.663 ug/l m
RT: 2.21 min Scan# 160
Delta R.T. 0.04 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Instrument :
MSVOA_F
ClientSampleId :
MULCH-1RE

Tot Ion	Ratio	Lower	Upper
84	100		
49	93.5	120.0	180.0#
51	48.8	38.6	58.0
86	73.2	61.0	91.6

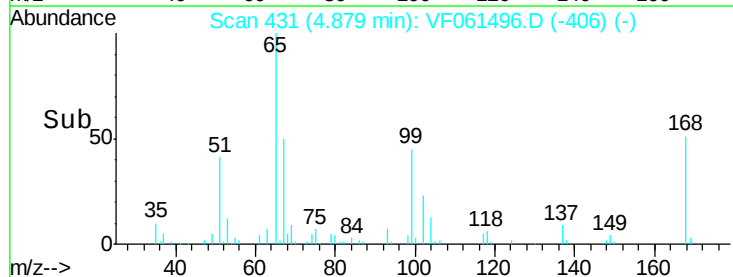
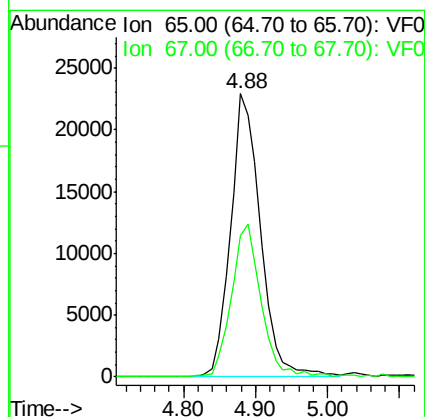
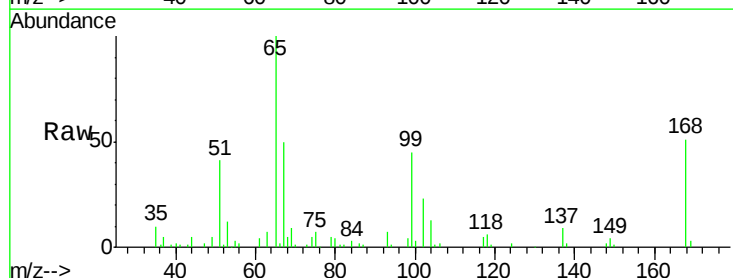
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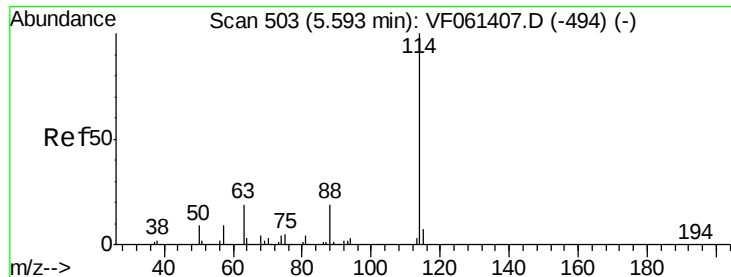
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#33
1,2-Dichloroethane-d4
Concen: 39.846 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.05 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.05 min

Lab File: VF061496.D

Acq: 24 Jan 2019 13:15

Instrument :

MSVOA_F

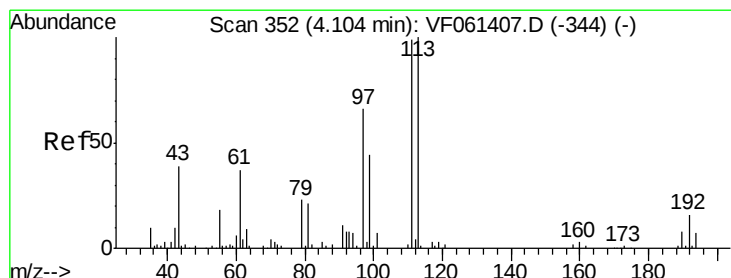
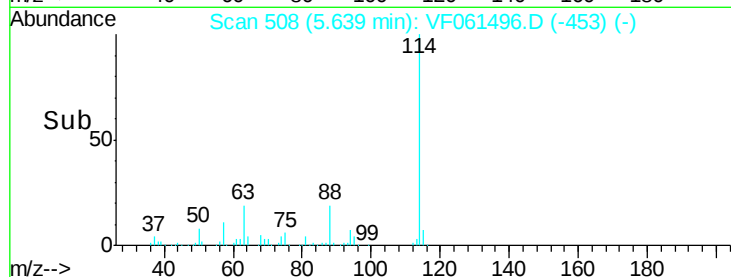
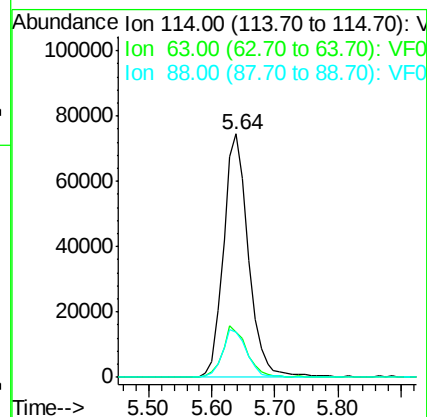
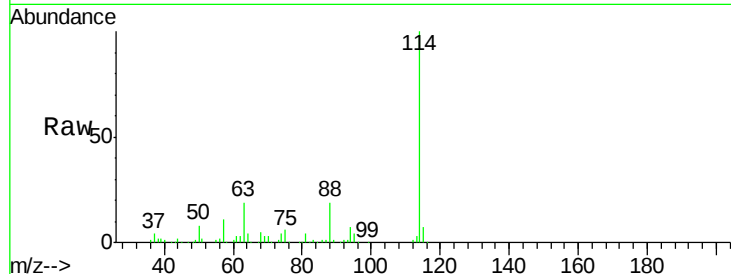
ClientSampleId :

MULCH-1RE

Tot Ion:	114	Resp:	205404
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	39.0
88	18.6	0.0	37.4

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#35

Dibromofluoromethane

Concen: 45.963 ug/l

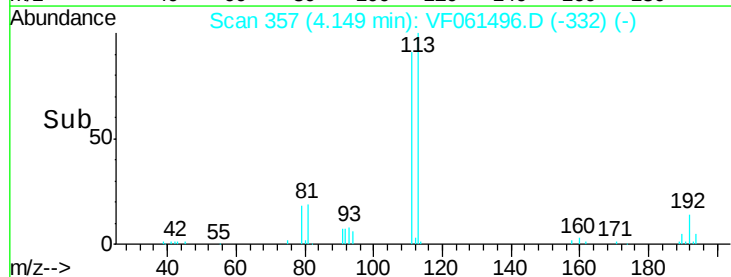
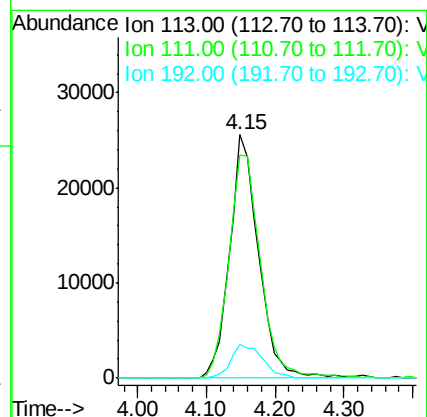
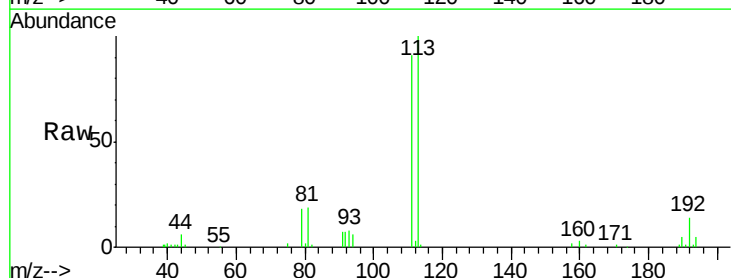
RT: 4.15 min Scan# 357

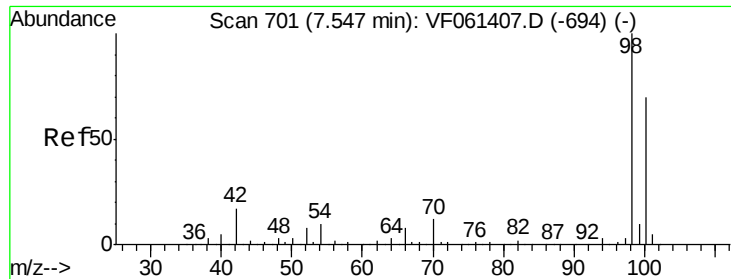
Delta R.T. 0.05 min

Lab File: VF061496.D

Acq: 24 Jan 2019 13:15

Tgt Ion:	113	Resp:	74498
Ion Ratio	Lower	Upper	
113	100		
111	91.4	79.4	119.0
192	13.9	12.4	18.6





#50

Toluene-d8

Concen: 30.502 ug/l

RT: 7.59 min Scan# 706

Delta R.T. 0.05 min

Lab File: VF061496.D

Acq: 24 Jan 2019 13:15

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1RE

Tot Ion: 98 Resp: 135453

Ion Ratio Lower Upper

98 100

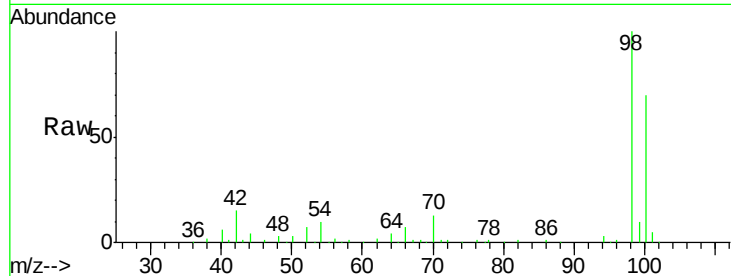
100 69.5 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

60000

50000

40000

30000

20000

10000

0

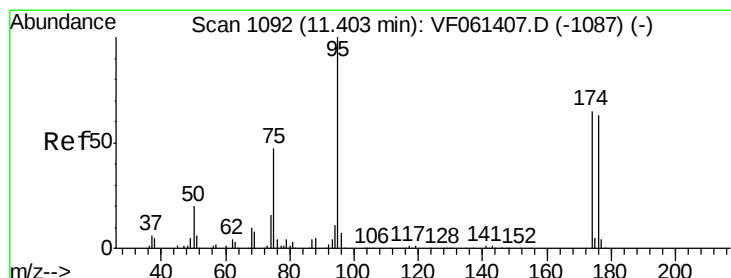
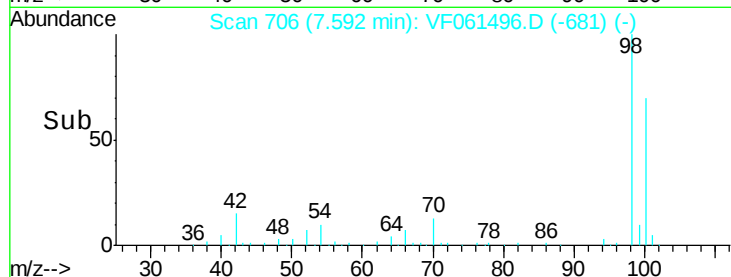
7.59

7.50

7.60

7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 14.232 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.04 min

Lab File: VF061496.D

Acq: 24 Jan 2019 13:15

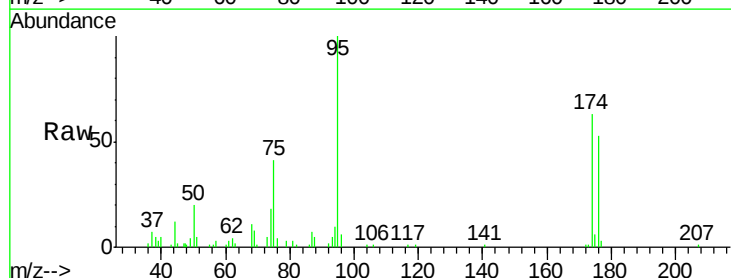
Tgt Ion: 95 Resp: 29530

Ion Ratio Lower Upper

95 100

174 63.4 0.0 130.4

176 53.2 0.0 126.2



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

20000

15000

10000

5000

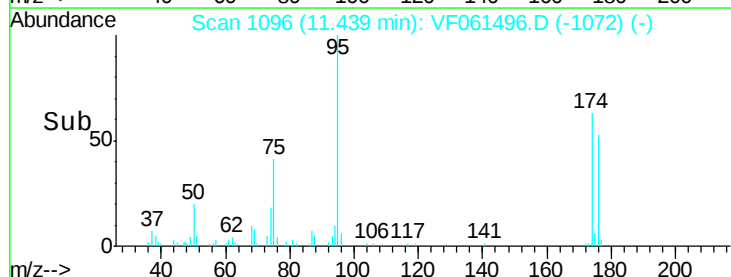
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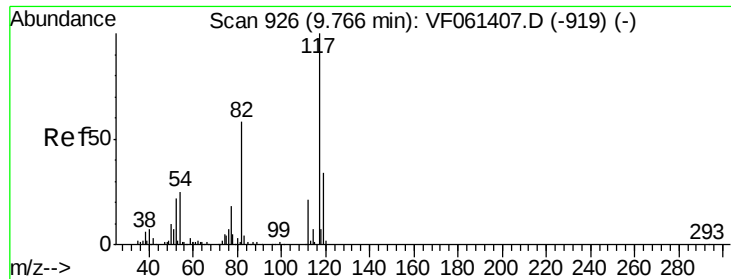
11.44

11.40

11.50

Time-->





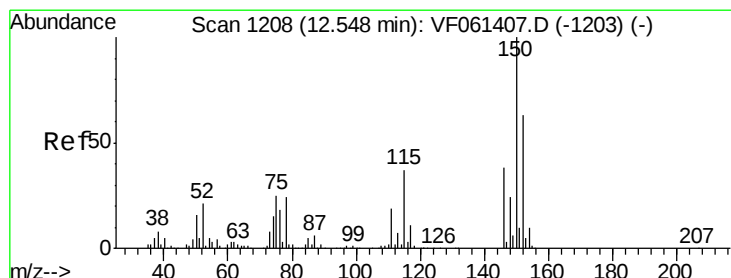
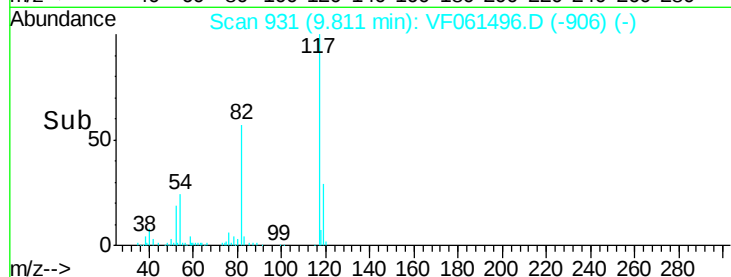
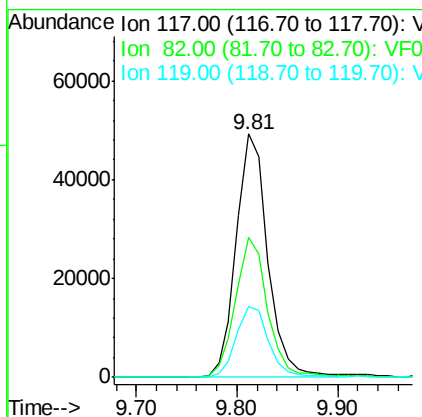
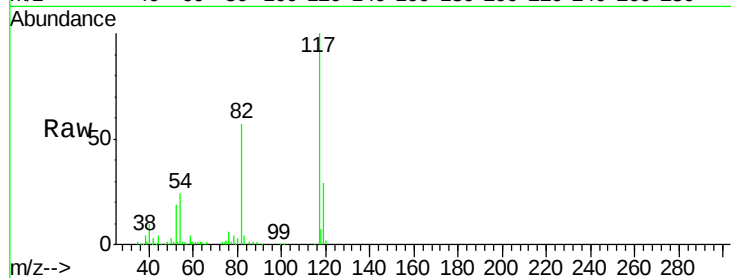
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.05 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Instrument :
MSVOA_F
ClientSampleId :
MULCH-1RE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	107900		
82	57.3	46.4	69.6	
119	29.1	27.2	40.8	

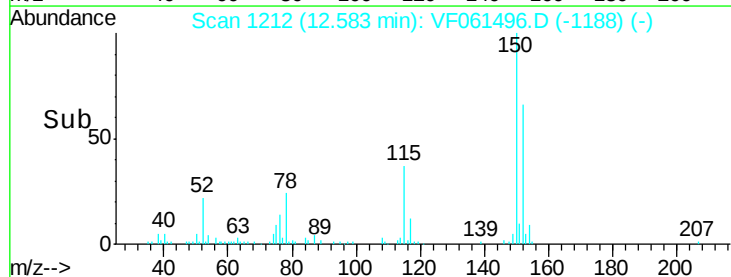
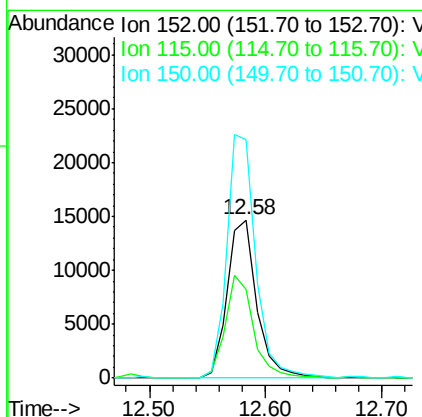
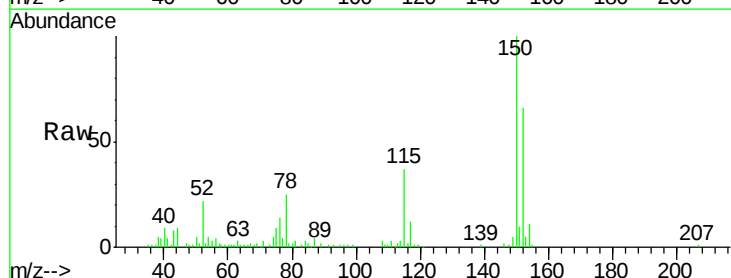
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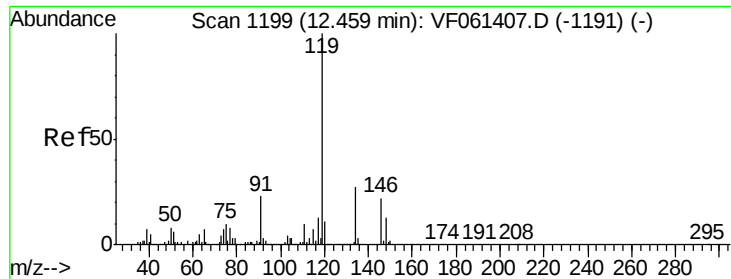
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1212
Delta R.T. 0.04 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	25921		
115	55.9	30.0	90.0	
150	150.4	0.0	321.4	





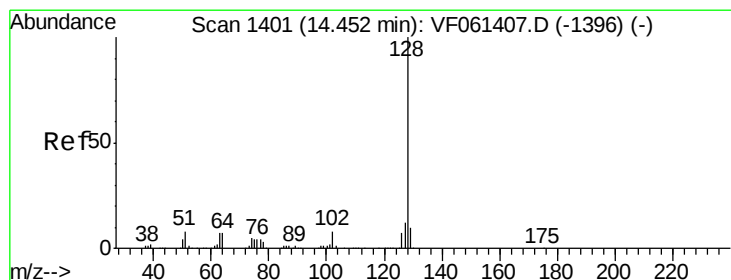
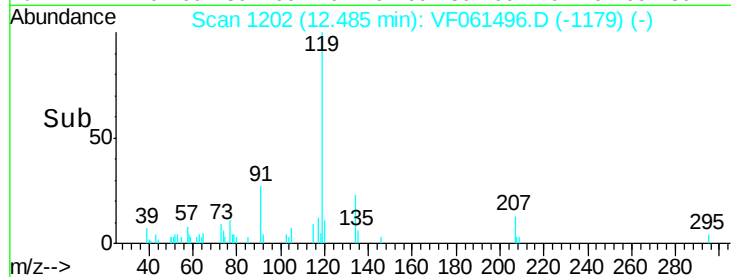
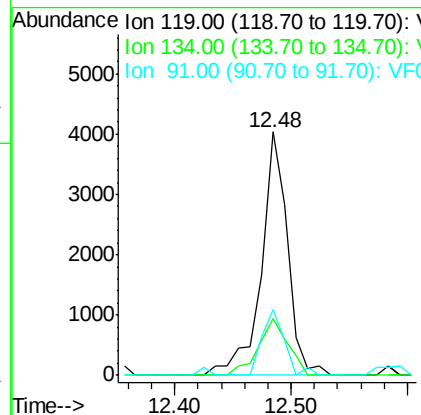
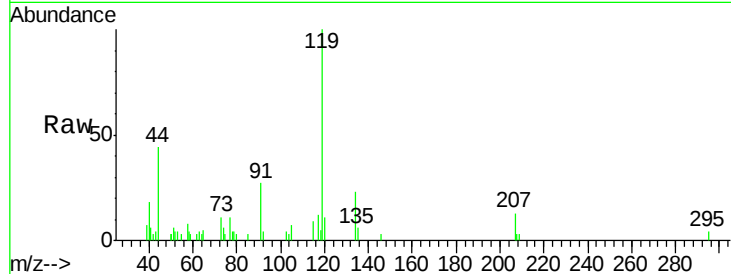
#86
p-Isopropyltoluene
Concen: 3.213 ug/l
RT: 12.48 min Scan# 1202
Delta R.T. 0.03 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Instrument :
MSVOA_F
ClientSampled :
MULCH-1RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.2	13.4	40.2
91	26.9	11.4	34.2

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#95
Naphthalene
Concen: 5.847 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.03 min
Lab File: VF061496.D
Acq: 24 Jan 2019 13:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.5	14.3
129	7.9	8.4	12.6#

