

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061482.D
 Acq On : 23 Jan 2019 14:51
 Operator : VA/AP
 Sample : K1216-01
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:57:04 PM

Quant Time: Jan 24 03:17:54 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	4.86	168	99980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	171333	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	116286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	37765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	79552	64.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.90%	
35) Dibromofluoromethane	4.10	113	90639	67.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.08%	
50) Toluene-d8	7.54	98	175029	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.40	95	57187	33.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.08%	
Target Compounds						
16) Acetone	2.23	43	8525	34.426	ug/l	96
20) Methylene Chloride	2.18	84	7783m	7.775	ug/l	
86) p-Isopropyltoluene	12.45	119	10003	3.497	ug/l	87
95) Naphthalene	14.45	128	8110	5.022	ug/l	100

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

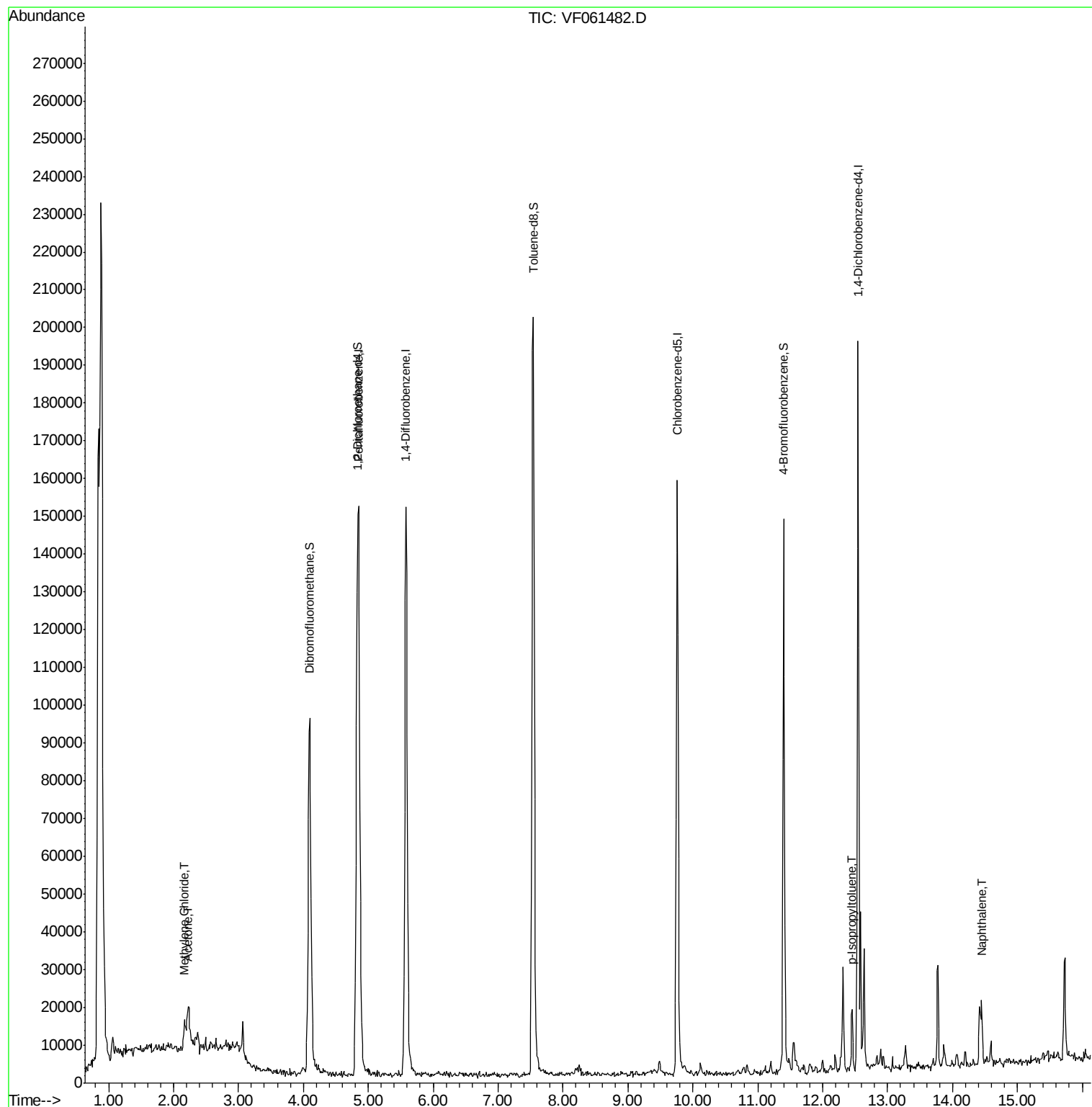
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012319\
Data File : VF061482.D
Acq On : 23 Jan 2019 14:51
Operator : VA/AP
Sample : K1216-01
Misc : 5.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

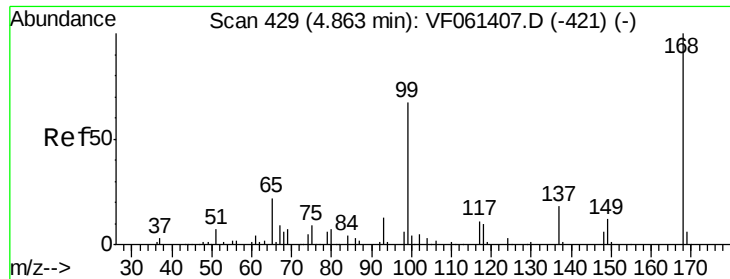
Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

Manual Integrations
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Quant Time: Jan 24 03:17:54 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: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061482.D

Acq: 23 Jan 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

Tot Ion:168 Resp: 99980

Ion Ratio Lower Upper

168 100

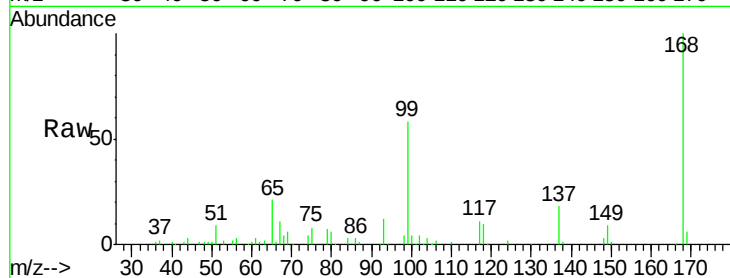
99 57.8 53.5 80.3

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

4.86

30000

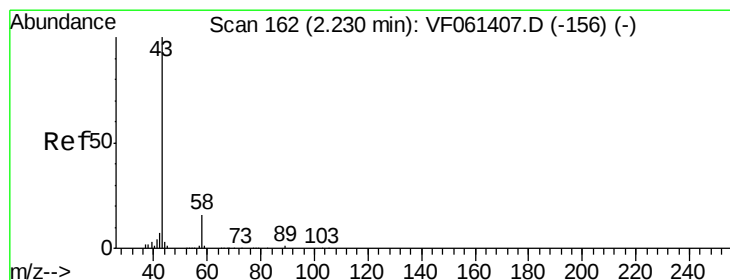
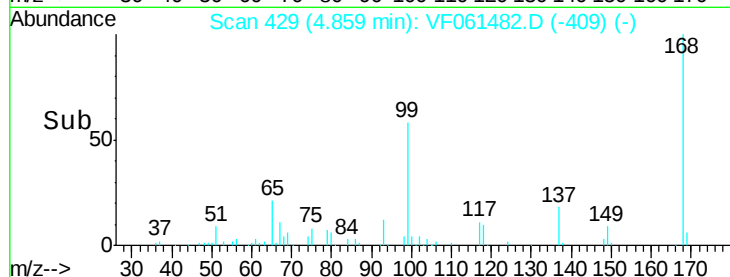
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 34.426 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061482.D

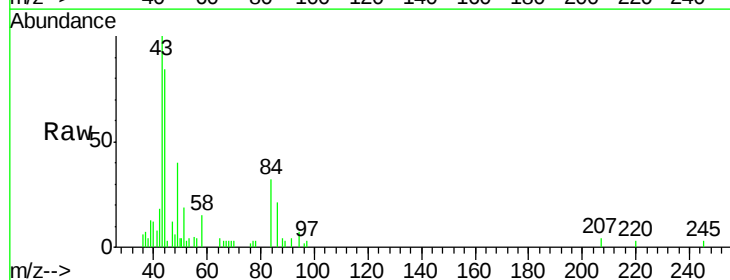
Acq: 23 Jan 2019 14:51

Tgt Ion: 43 Resp: 8525

Ion Ratio Lower Upper

43 100

58 14.8 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

5000

4000

3000

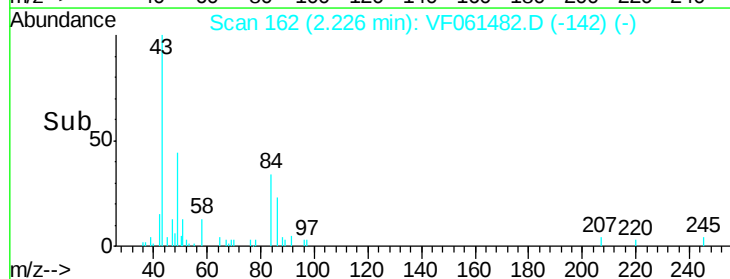
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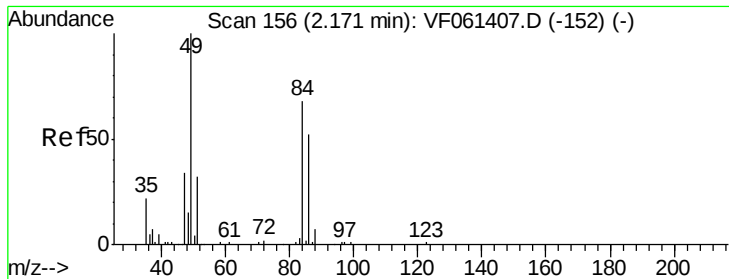
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0

Time-->

2.15 2.20 2.25 2.30





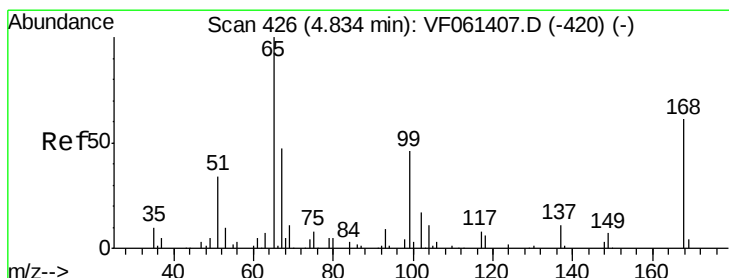
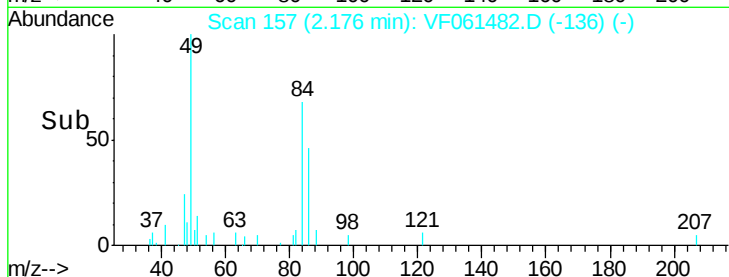
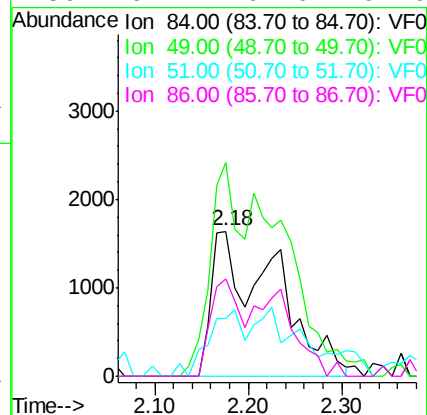
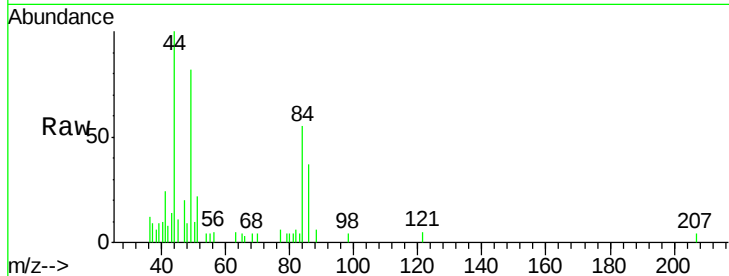
#20
Methvlene Chloride
Concen: 7.775 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

Tot Ion	Ratio	Lower	Upper
84	100		
49	147.4	120.0	180.0
51	40.0	38.6	58.0
86	67.2	61.0	91.6

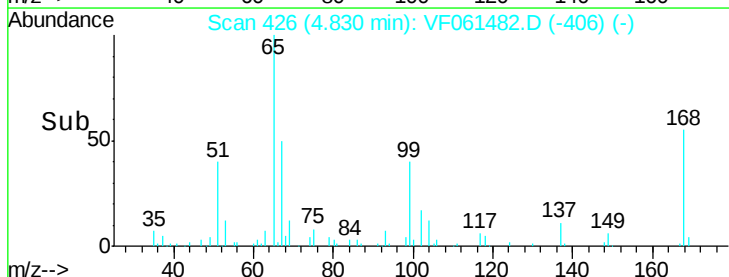
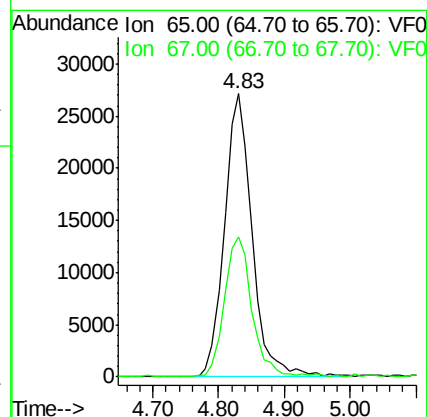
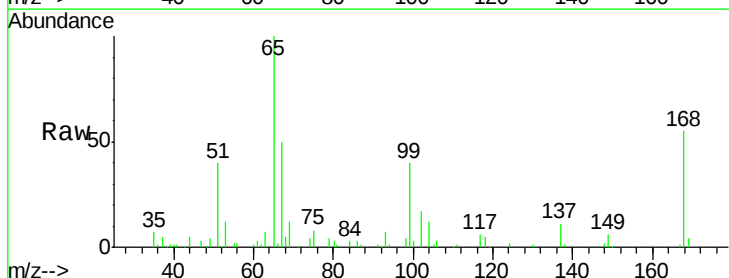
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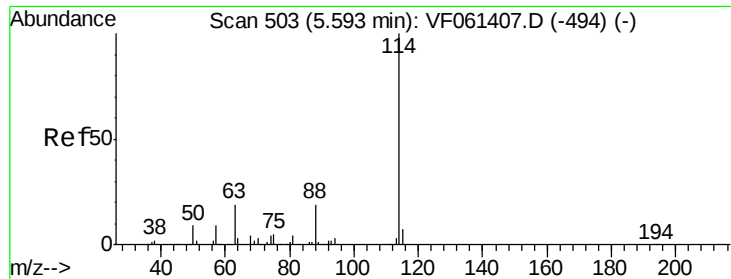
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#33
1,2-Dichloroethane-d4
Concen: 64.447 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.00 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061482.D

Acq: 23 Jan 2019 14:51

Instrument :

MSVOA_F

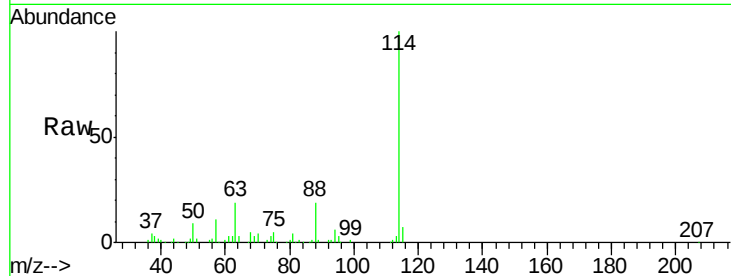
ClientSampleId :

MULCH-1

Tot Ion:	114	Resp:	171333
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	39.0
88	18.7	0.0	37.4

Manual Integrations
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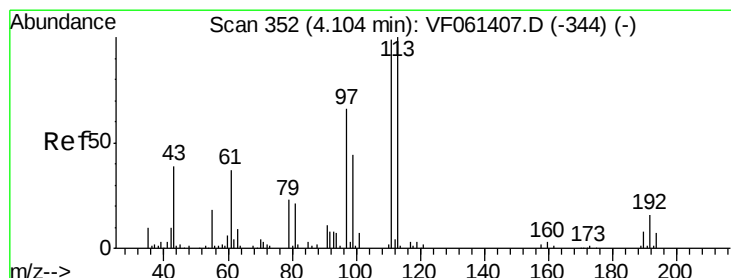
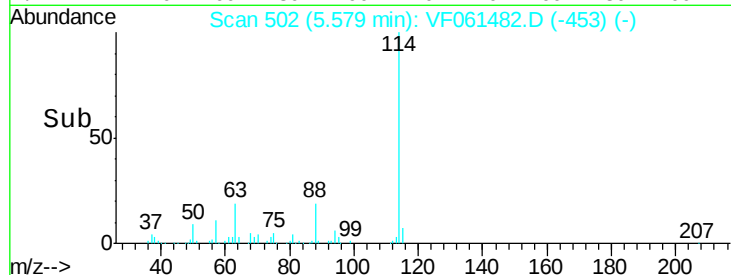
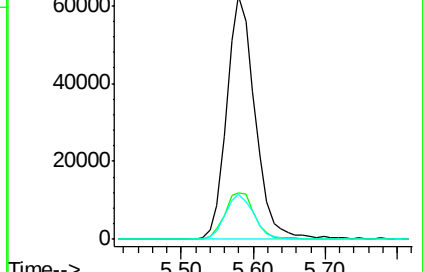
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 67.042 ug/l

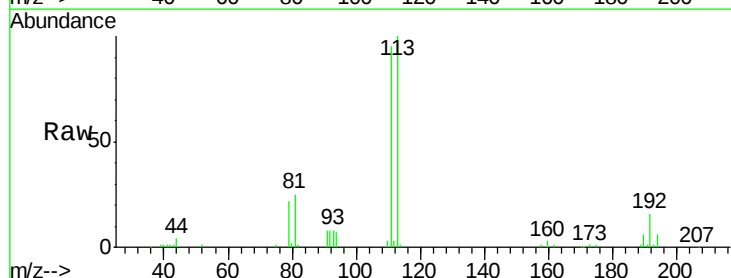
RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061482.D

Acq: 23 Jan 2019 14:51

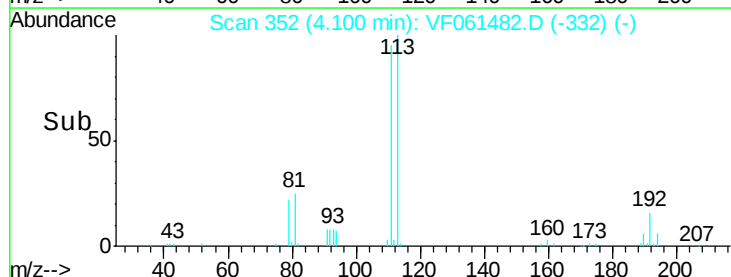
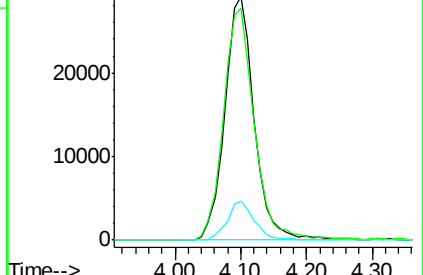
Tgt Ion:	113	Resp:	90639
Ion Ratio	Lower	Upper	
113	100		
111	95.3	79.4	119.0
192	16.2	12.4	18.6

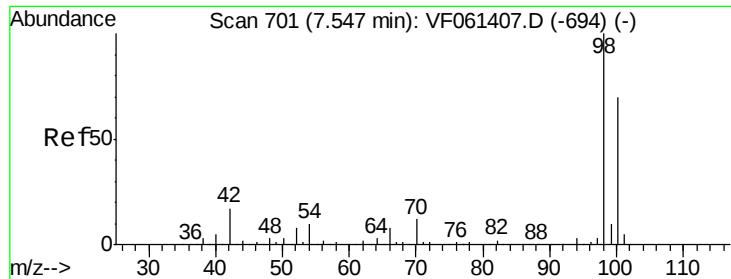


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





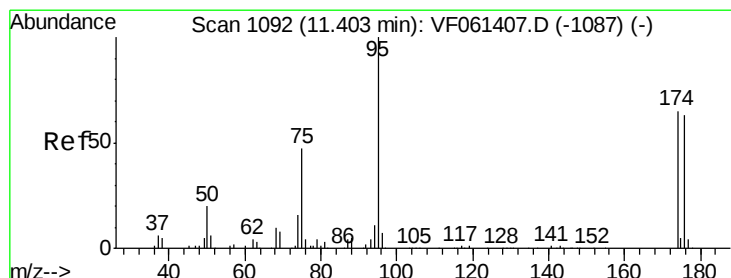
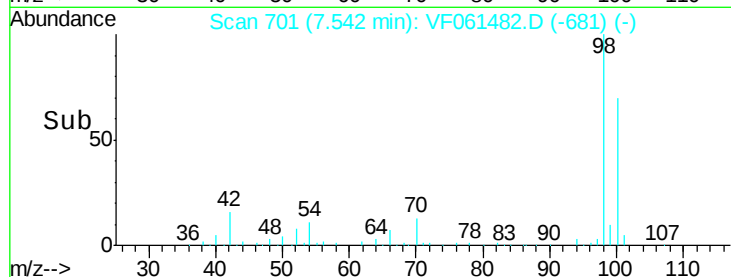
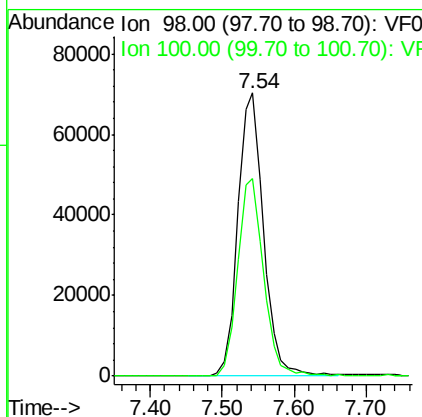
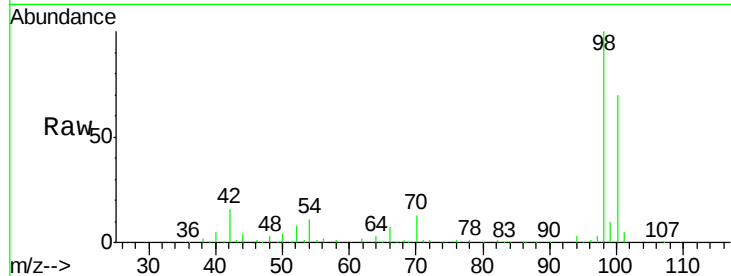
#50
Toluene-d8
Concen: 47.252 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

Tot Ion: 98 Resp: 175029
Ion Ratio Lower Upper
98 100
100 69.8 55.6 83.4

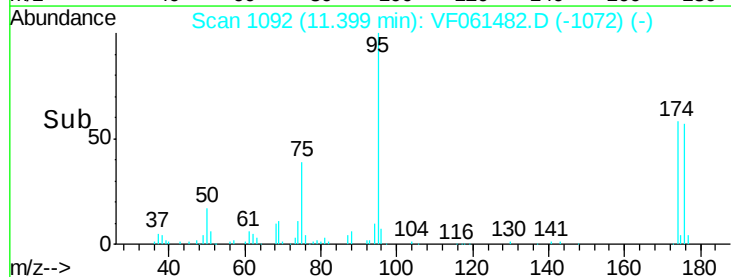
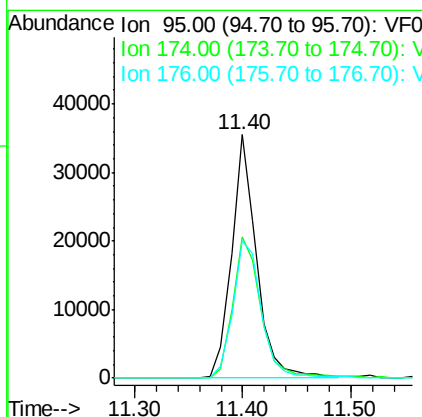
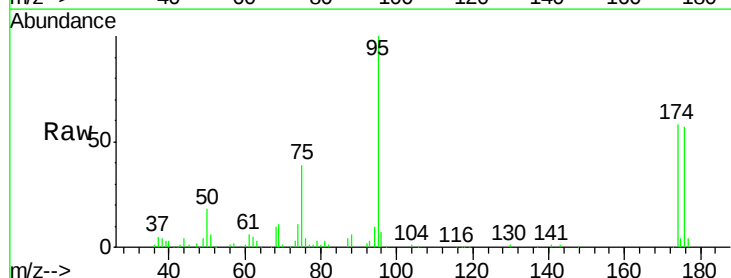
Manual Integrations
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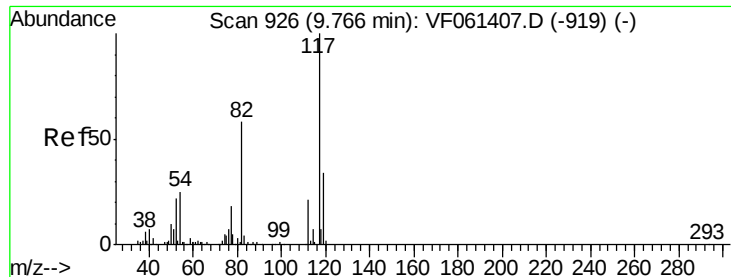
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#62
4-Bromofluorobenzene
Concen: 33.043 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Tgt Ion: 95 Resp: 57187
Ion Ratio Lower Upper
95 100
174 58.0 0.0 130.4
176 56.7 0.0 126.2





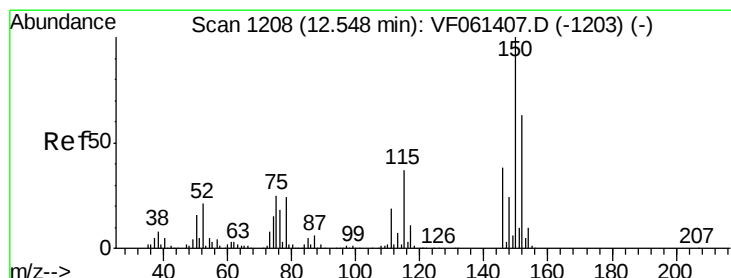
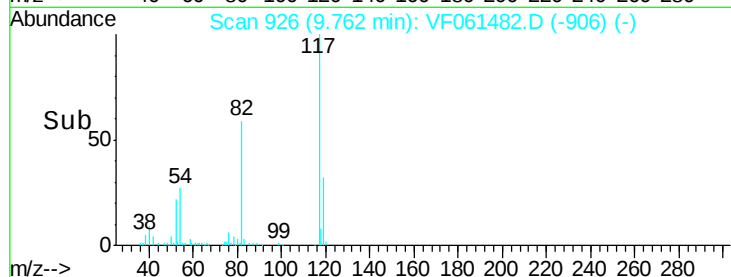
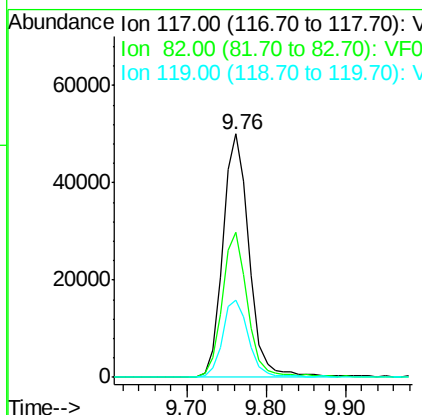
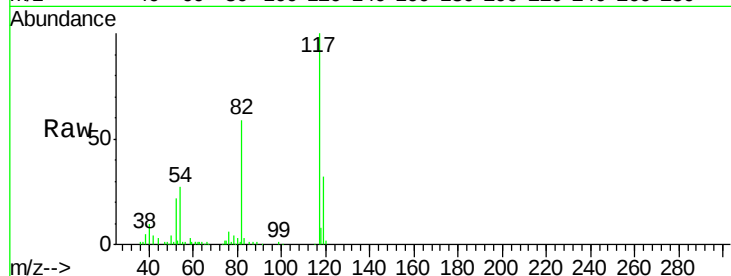
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

Tot Ion	Ratio	Resp	Lower	Upper
117	100	116286		
82	59.4	46.4	69.6	
119	31.9	27.2	40.8	

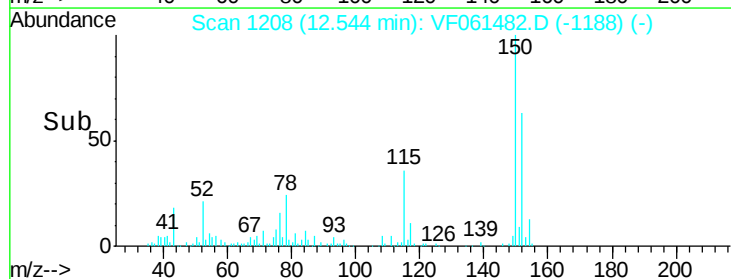
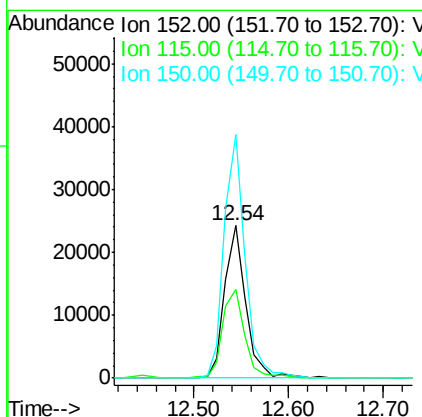
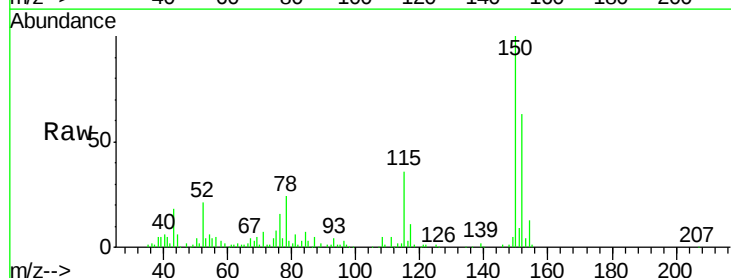
Manual Integrations
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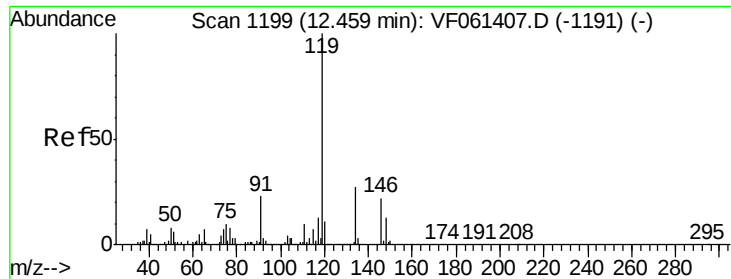
MMDadoda
1/24/2019 12:57:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061482.D
Acq: 23 Jan 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	37765		
115	57.9	30.0	90.0	
150	159.9	0.0	321.4	





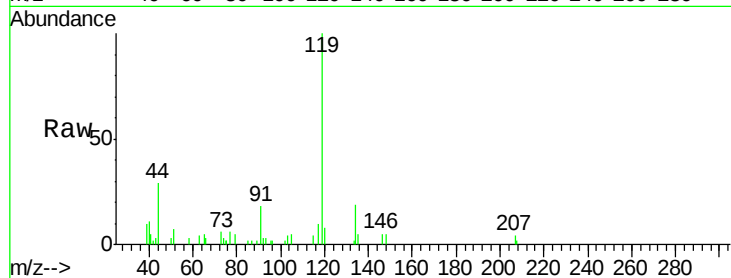
#86
 p-Isopropyltoluene
 Concen: 3.497 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061482.D
 Acq: 23 Jan 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	19.1	13.4	40.2
91	18.1	11.4	34.2

Manual Integrations
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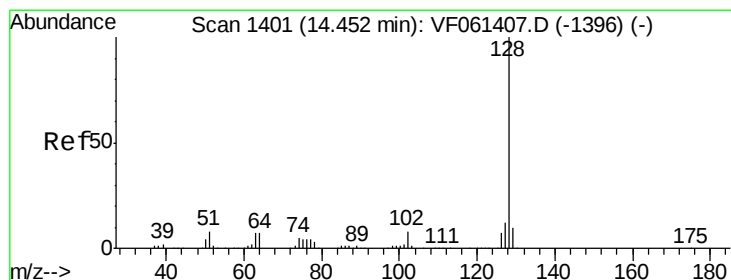
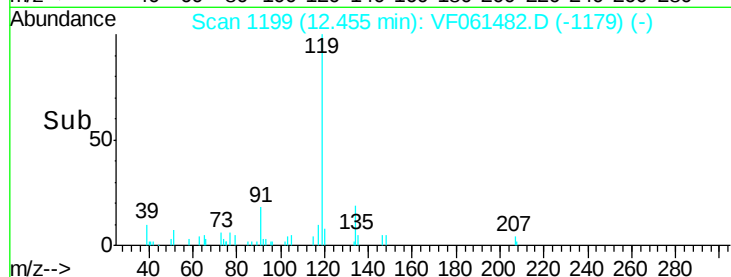
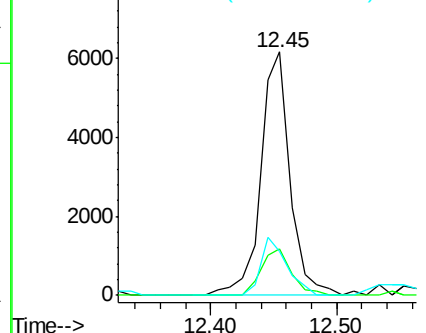


Abundance

Ion 119.00 (118.70 to 119.70): V

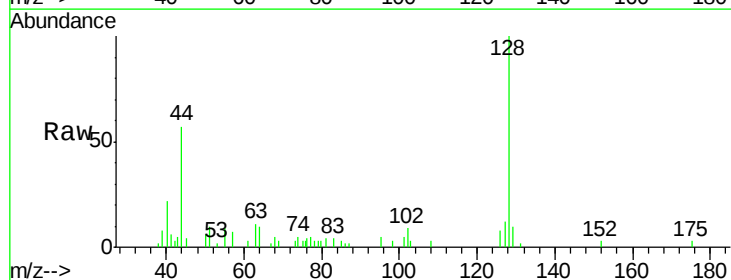
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 5.022 ug/l
 RT: 14.45 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: VF061482.D
 Acq: 23 Jan 2019 14:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.5	14.3
129	10.3	8.4	12.6



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

