

Data File : VF062478.D
Acq On : 12 May 2019 1:03
Operator : FY/SY
Sample : K2733-16
Misc : 5.92g/5mL/MSVOA_F/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P021-SS003-0612-01

Manual Integrations
APPROVED

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5/12/2019 12:32:47 PM

Quant Time: May 12 05:12:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	280014	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	355884	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	285999	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	149480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	103049	38.94	ug/l	0.03
Spiked Amount 50.000			Recovery	=	77.88%	
35) Dibromofluoromethane	4.32	113	128594	45.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.72%	
50) Toluene-d8	7.72	98	247804	36.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.22%	
62) 4-Bromofluorobenzene	11.50	95	96421	31.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	62.28%	
Target Compounds						
85) sec-Butylbenzene	12.35	105	27290	2.747	ug/l	100
86) p-Isopropyltoluene	12.52	119	157732	17.087	ug/l #	86
95) Naphthalene	14.50	128	13696	2.470	ug/l	98

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

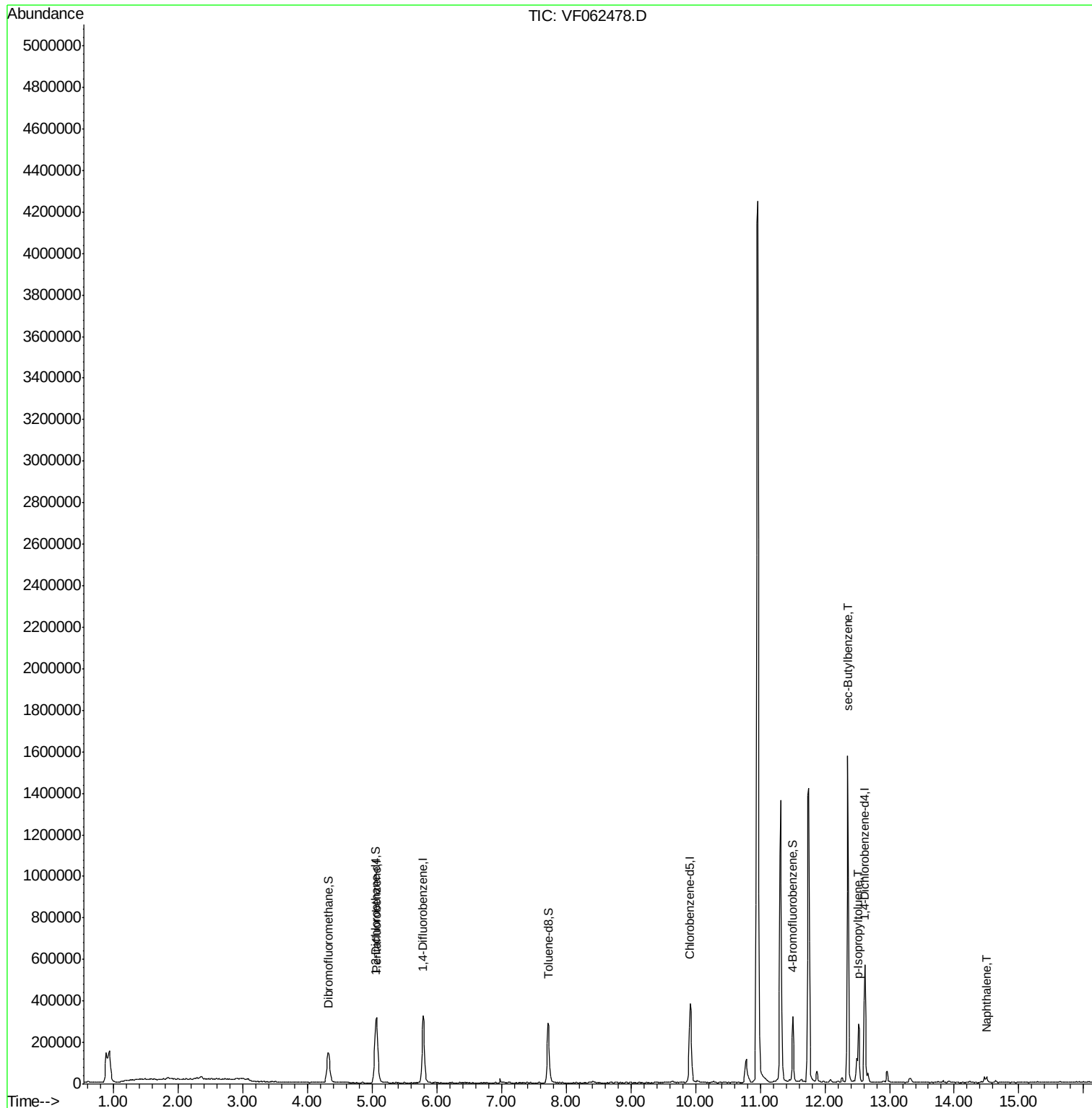
Data File : VF062478.D
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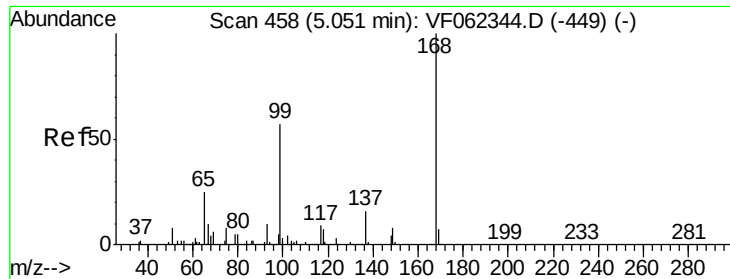
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062478.D

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Instrument :

MSVOA_F

ClientSampleId :

P021-SS003-0612-01

Tgt Ion: 168 Resp: 280014

Ion Ratio Lower Upper

168 100

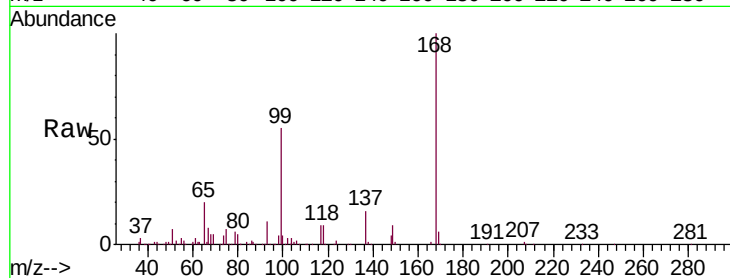
99 55.1 45.9 68.9

Manual Integrations

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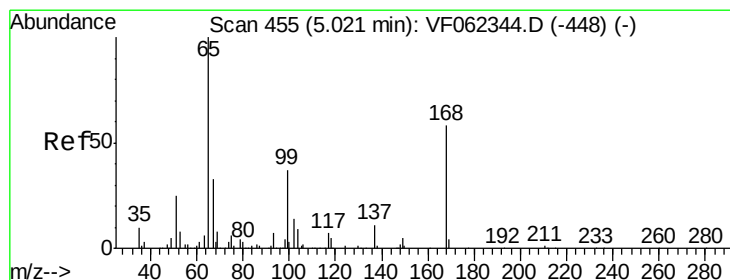
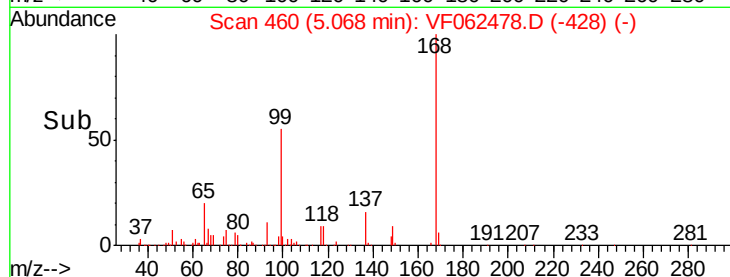
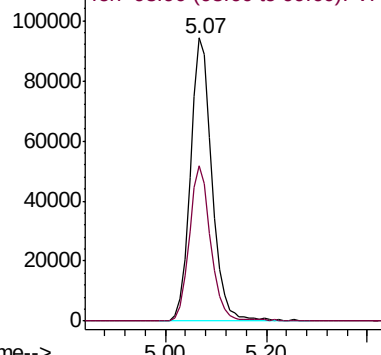
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 38.941 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062478.D

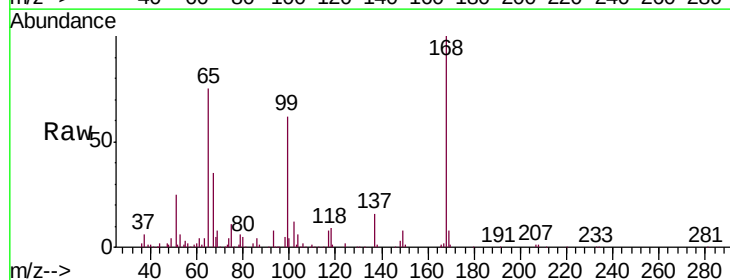
Acq: 12 May 2019 1:03

Tgt Ion: 65 Resp: 103049

Ion Ratio Lower Upper

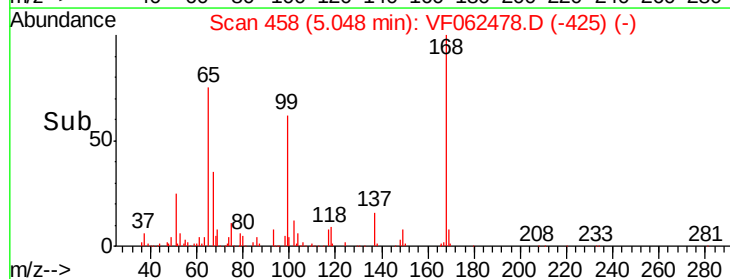
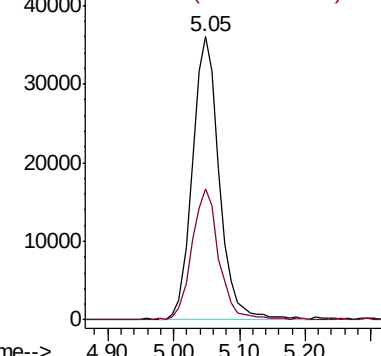
65 100

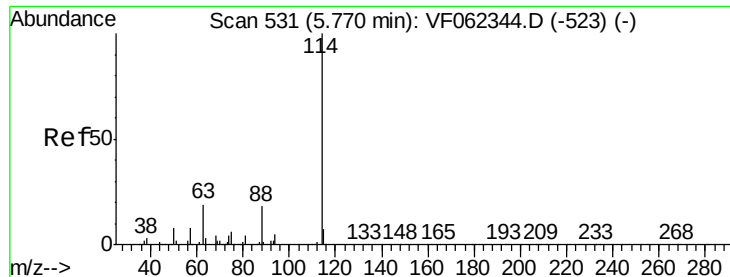
67 46.6 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





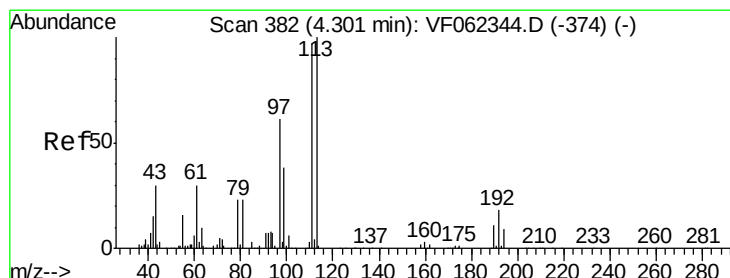
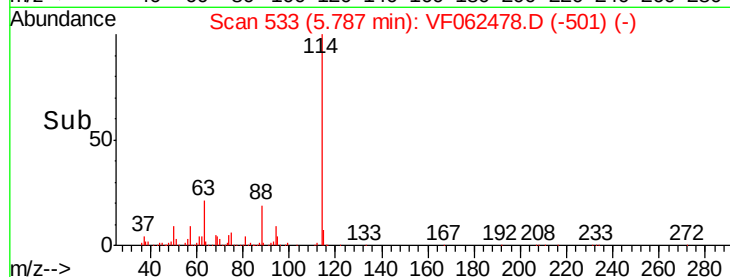
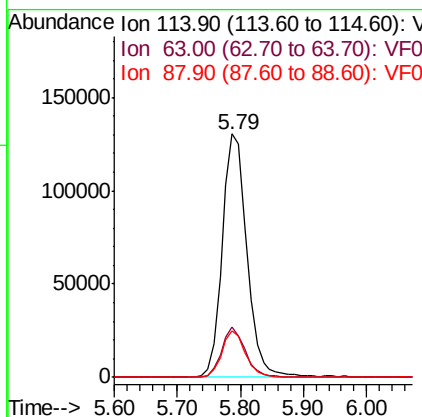
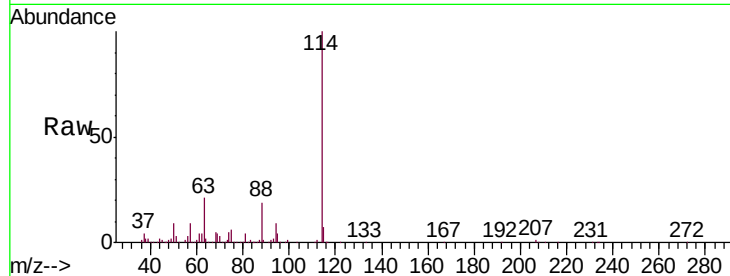
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.79 min Scan# 533
Delta R.T. 0.02 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Instrument :
MSVOA_F
ClientSampleId :
P021-SS003-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355884		
63	20.9	0.0	37.4	
88	19.3	0.0	36.4	

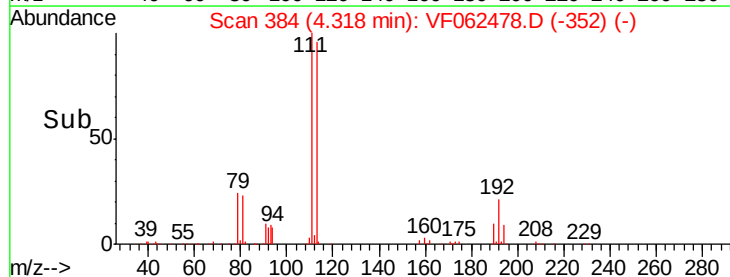
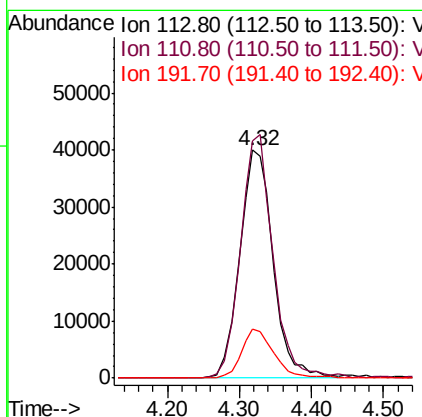
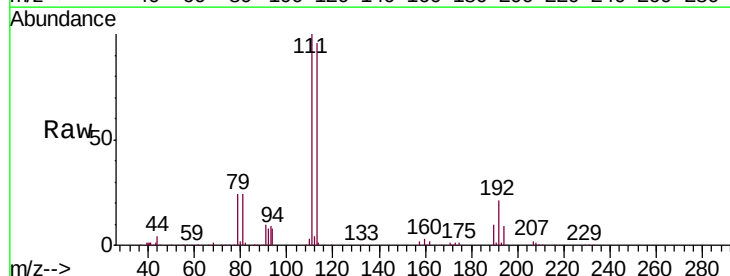
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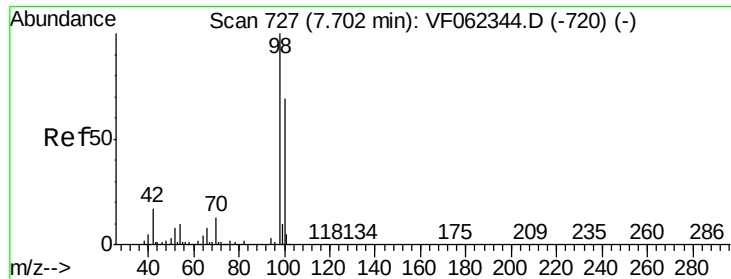
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#35
Dibromofluoromethane
Concen: 45.355 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	128594		
111	104.4	79.4	119.0	
192	21.0	16.0	24.0	





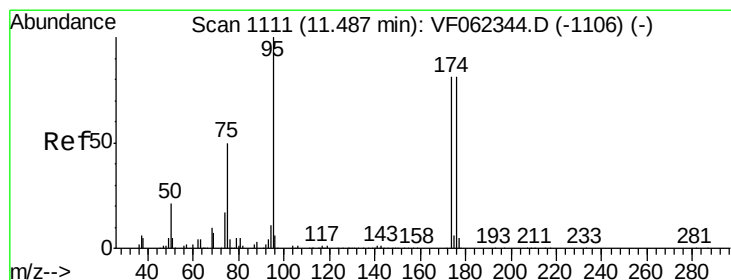
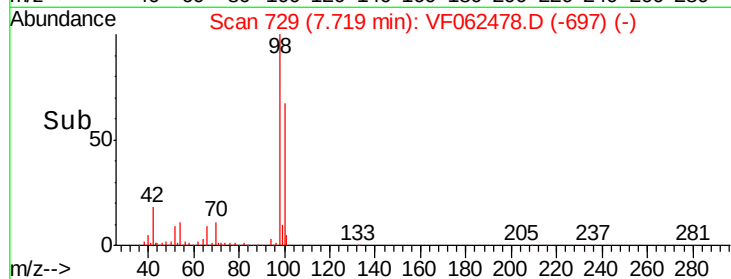
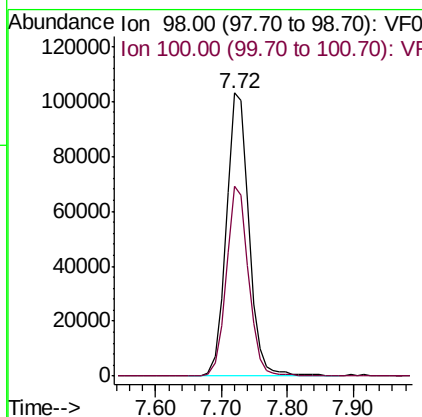
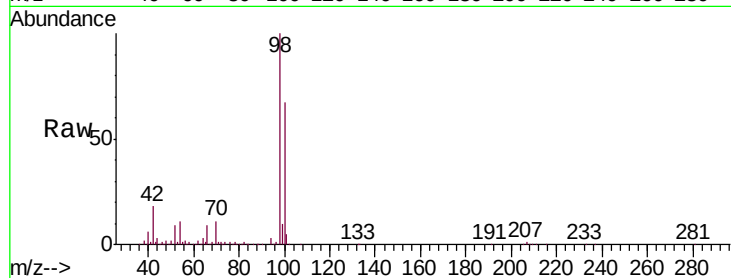
#50
Toluene-d8
Concen: 36.106 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Instrument :
MSVOA_F
ClientSampleId :
P021-SS003-0612-01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.3	79.9

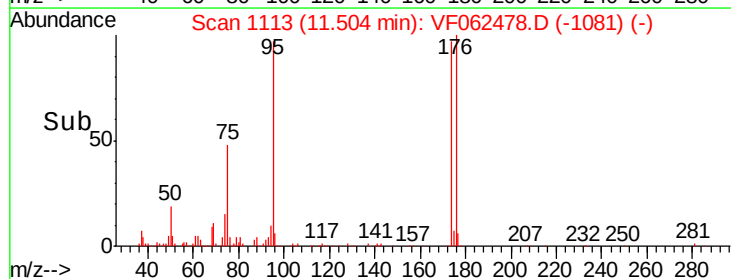
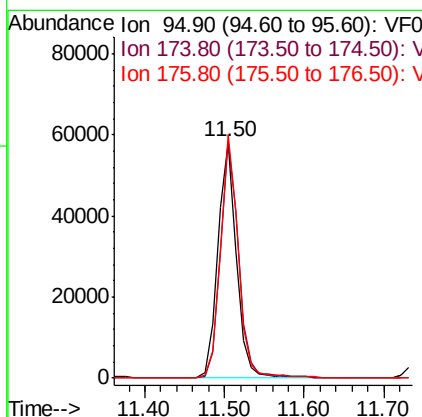
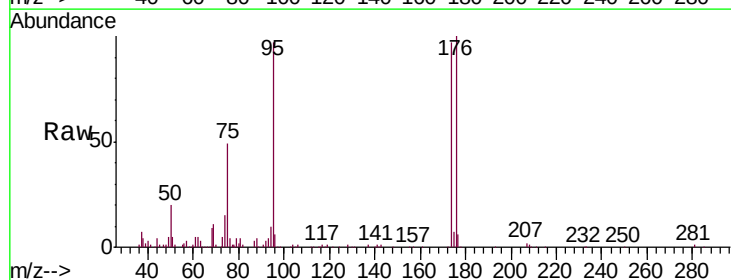
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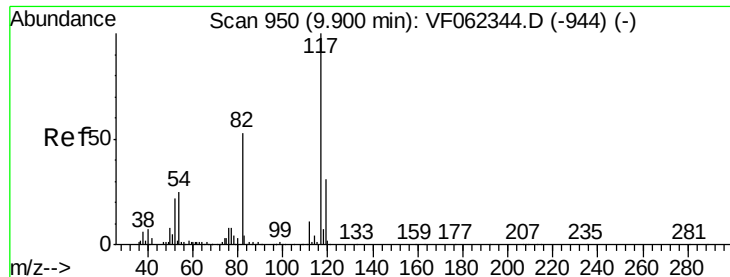
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5/12/2019 12:32:47 PM



#62
4-Bromofluorobenzene
Concen: 31.140 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	191.8
176	98.5	0.0	193.2





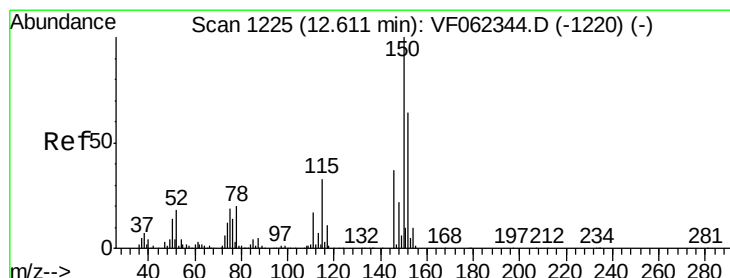
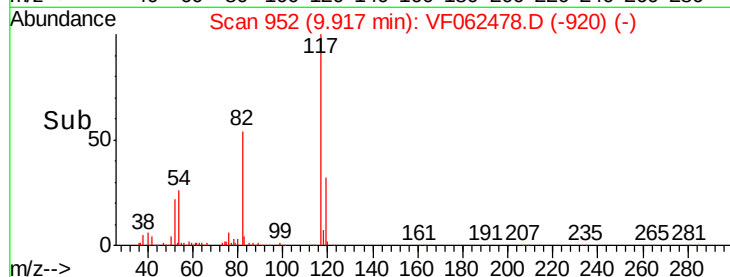
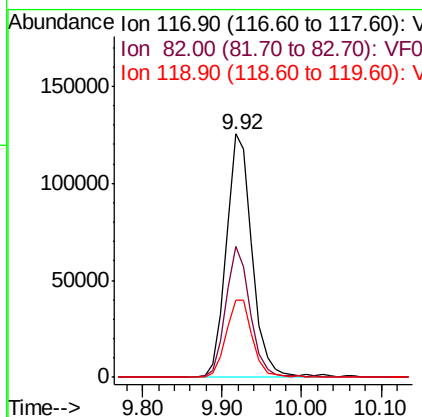
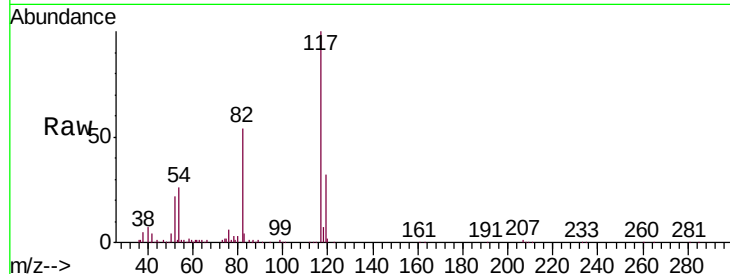
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Instrument :
MSVOA_F
ClientSampleId :
P021-SS003-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	285999		
82	53.8	42.2	63.2	
119	31.4	25.0	37.4	

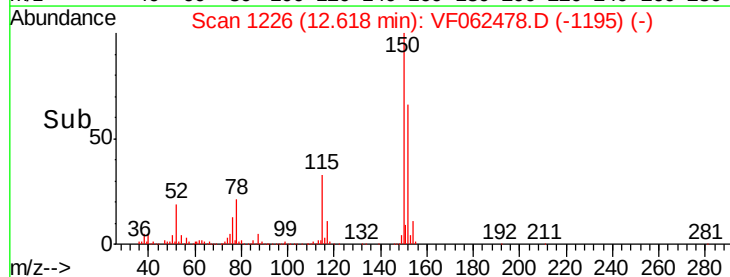
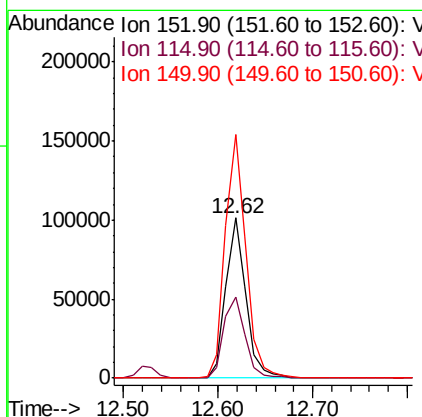
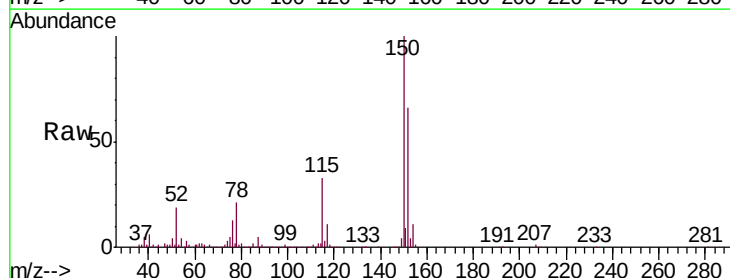
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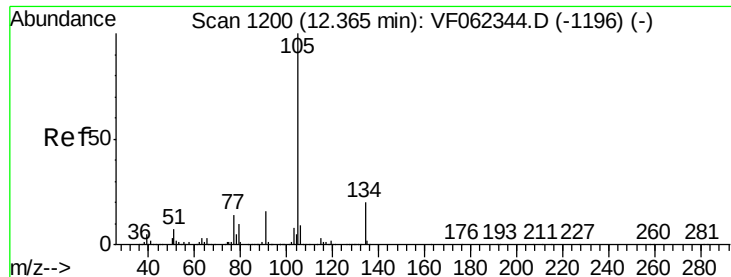
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5/12/2019 12:32:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	149480		
115	54.4	26.4	79.2	
150	156.6	0.0	335.0	





#85

sec-Butylbenzene

Concen: 2.747 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF062478.D

Acq: 12 May 2019 1:03

Instrument :

MSVOA_F

ClientSampleId :

P021-SS003-0612-01

Tgt Ion:105 Resp: 27290

Ion Ratio Lower Upper

105 100

134 19.8

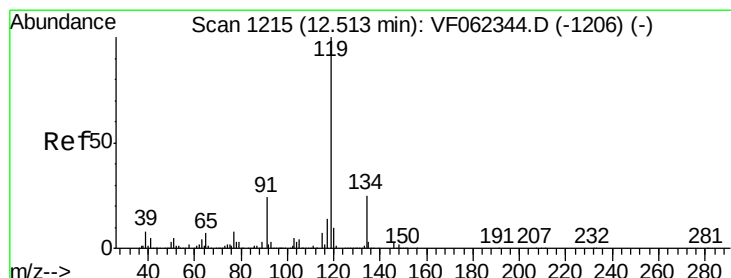
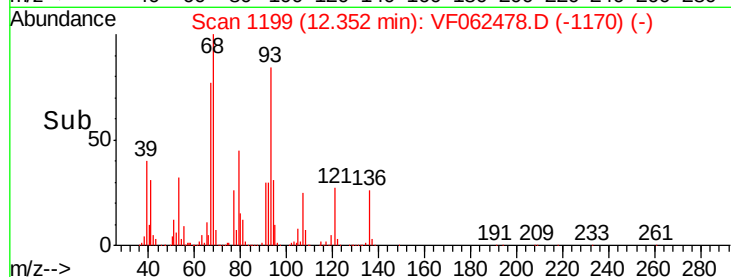
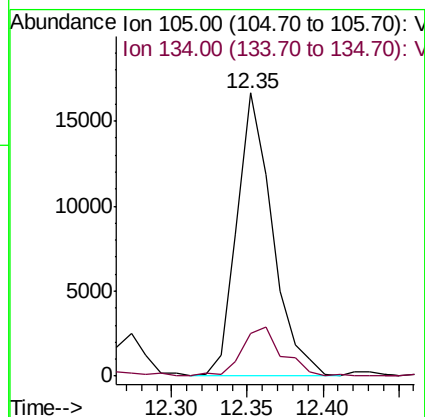
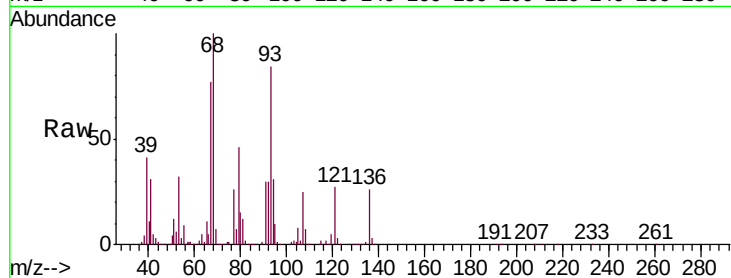
9.8

29.5

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5/12/2019 12:32:47 PM



#86

p-Isopropyltoluene

Concen: 17.087 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062478.D

Acq: 12 May 2019 1:03

Tgt Ion:119 Resp: 157732

Ion Ratio Lower Upper

119 100

134 25.4

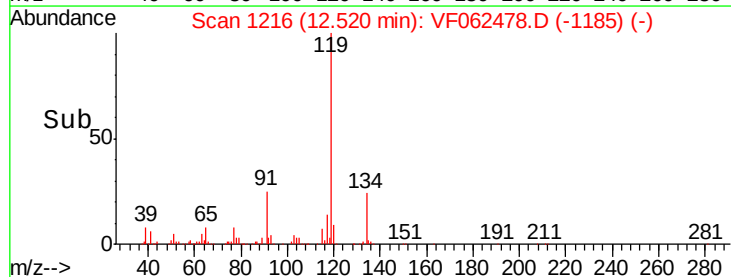
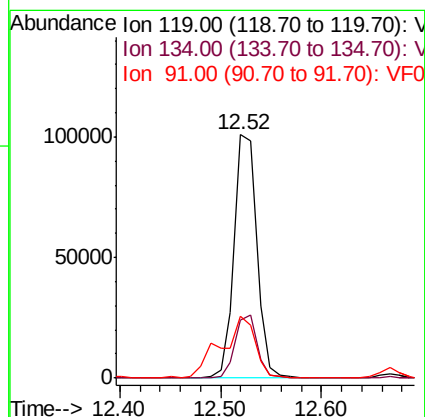
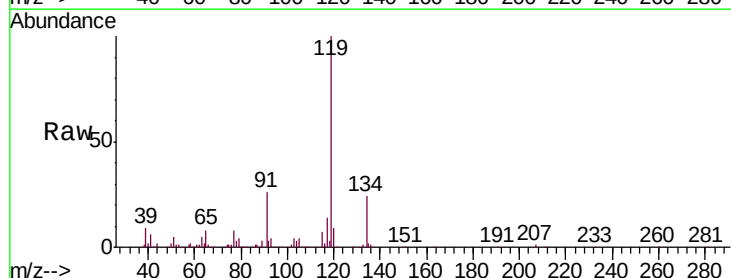
12.9

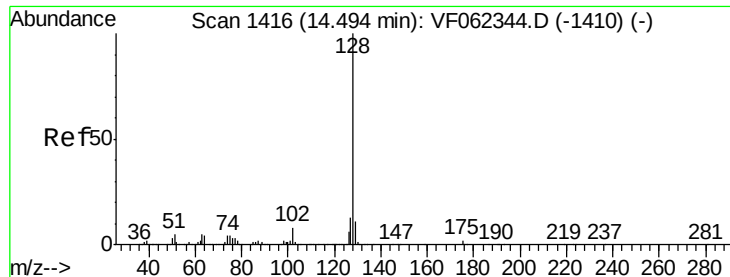
38.7

91 38.6

12.3

36.8#





#95
Naphthalene
Concen: 2.470 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062478.D
Acq: 12 May 2019 1:03

Instrument :
MSVOA_F
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P021-SS003-0612-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	11.5	8.6	12.8

Manual Integrations
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