

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062063.D
 Acq On : 21 Mar 2019 16:26
 Operator : VA/AP
 Sample : K1994-05
 Misc : 4.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 40021

Manual Integrations
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MMDadoda
 3/23/2019 2:59:57 AM

Quant Time: Mar 22 16:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	187564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	359687	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	218362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	56837	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	108440	80.32	ug/l	0.02
Spiked Amount 50.000			Recovery	=	160.64%	
35) Dibromofluoromethane	4.13	113	142104	58.83	ug/l	0.02
Spiked Amount 50.000			Recovery	=	117.66%	
50) Toluene-d8	7.56	98	267678	37.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.82%	
62) 4-Bromofluorobenzene	11.42	95	81849	29.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.36%	
Target Compounds						
16) Acetone	2.25	43	10221	33.712	ug/l	95
20) Methylene Chloride	2.26	84	16436m	10.390	ug/l	
67) Ethyl Benzene	9.91	91	15850	2.277	ug/l	97
68) m/p-Xylenes	10.13	106	9684	3.699	ug/l	92
69) o-Xylene	10.73	106	23080	8.239	ug/l	89
73) Isopropylbenzene	11.13	105	29794	7.588	ug/l	97
78) n-propylbenzene	11.60	91	99038	21.935	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	204274	64.401	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	447770	140.938	ug/l	99
85) sec-Butylbenzene	12.31	105	135509	30.235	ug/l	95
86) p-Isopropyltoluene	12.43	119	338554	90.527	ug/l	98
89) n-Butylbenzene	12.85	91	254598	72.449	ug/l #	53

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

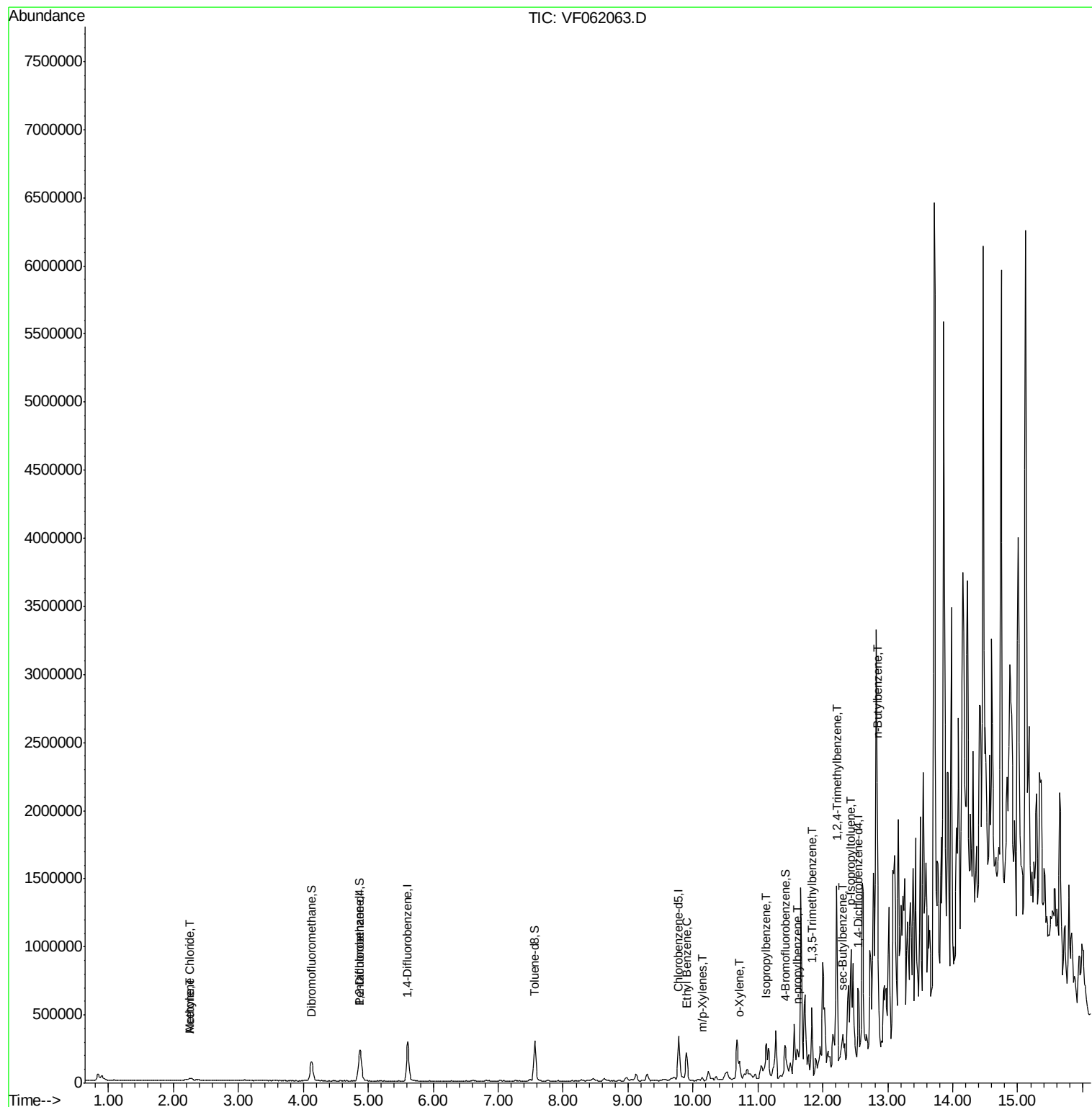
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
Operator : VA/AP
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Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

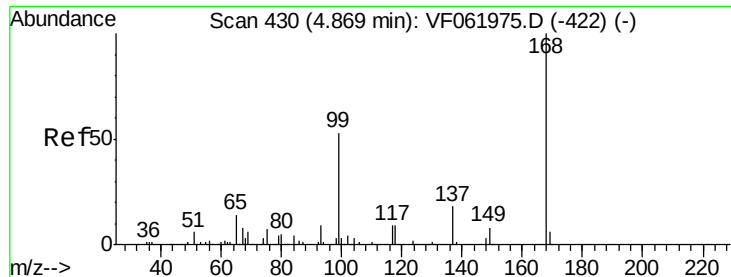
Instrument :
MSVOA_F
ClientSampleId :
40021

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Quant Time: Mar 22 16:45:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

Tot Ion:168 Resp: 187564

Ion Ratio Lower Upper

168 100

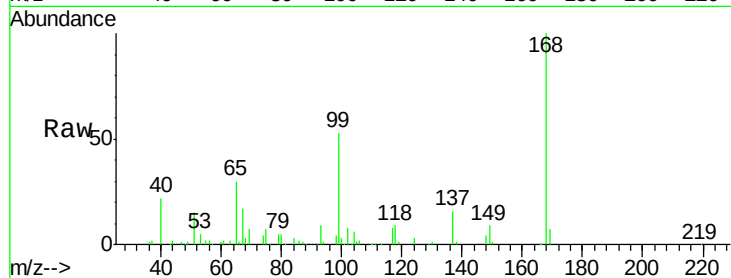
99 52.5 42.4 63.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

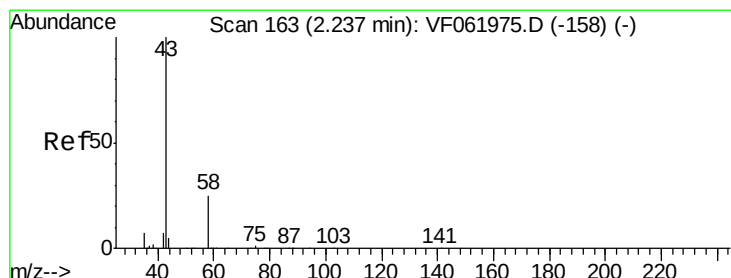
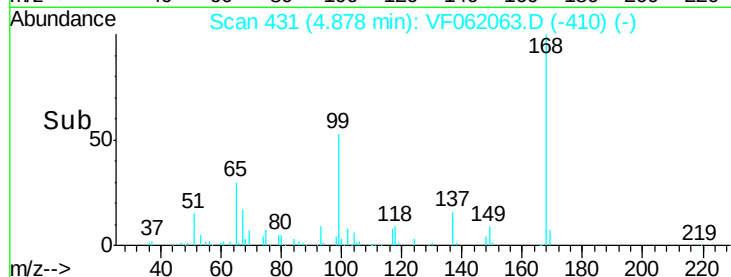
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 33.712 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF062063.D

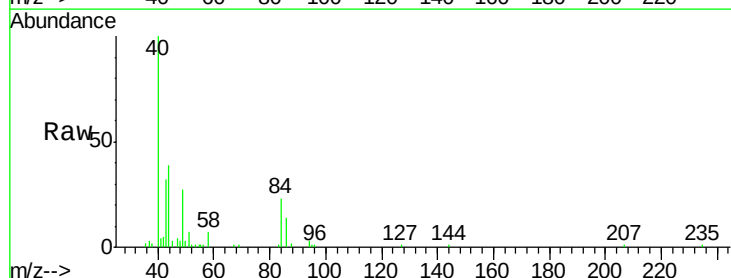
Acq: 21 Mar 2019 16:26

Tgt Ion: 43 Resp: 10221

Ion Ratio Lower Upper

43 100

58 22.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

4000

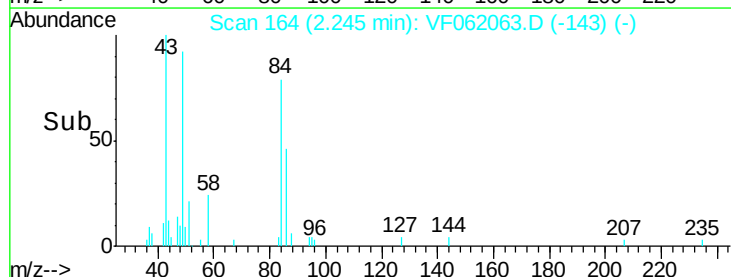
3000

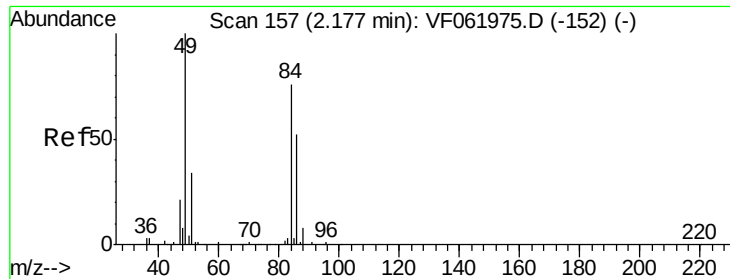
2000

1000

0

Time--> 2.10 2.20 2.30





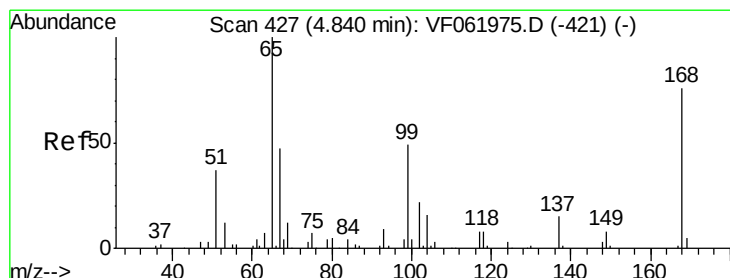
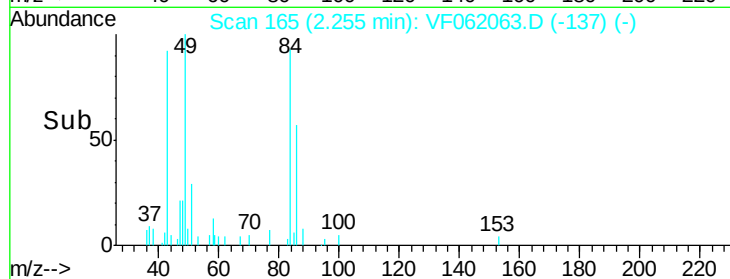
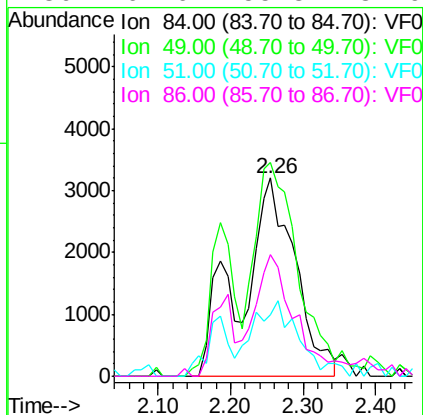
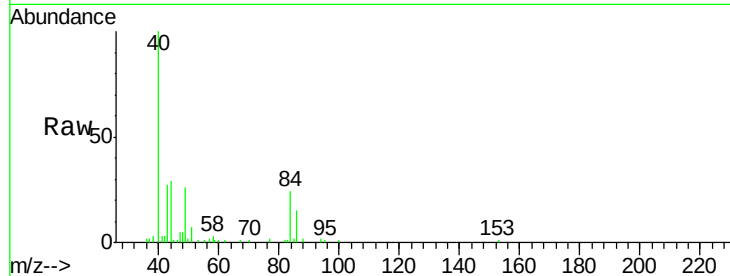
#20
Methylene Chloride
Concen: 10.390 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.08 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampled :
40021

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.8	107.0	160.6
51	31.0	37.2	55.8#
86	61.6	55.3	82.9

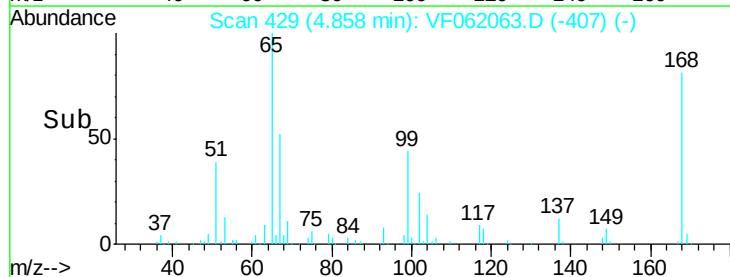
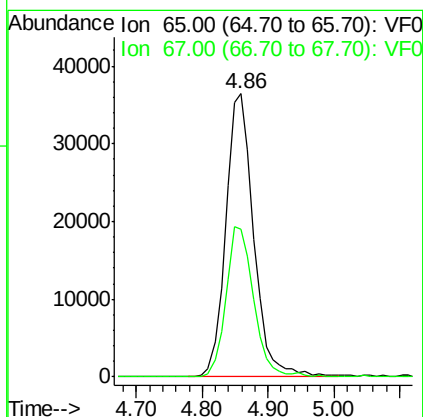
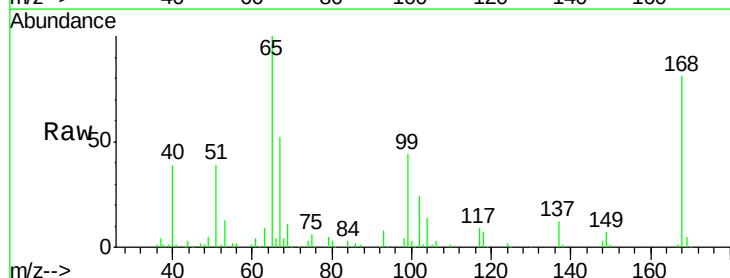
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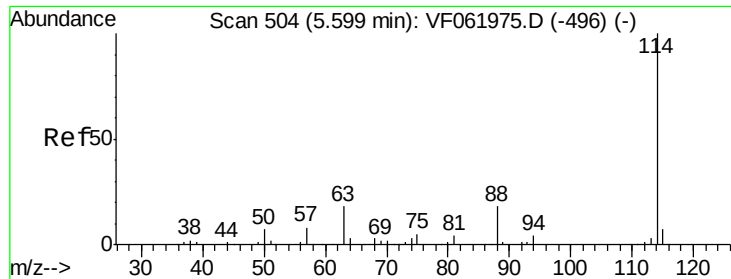
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#33
1,2-Dichloroethane-d4
Concen: 80.316 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	109.4





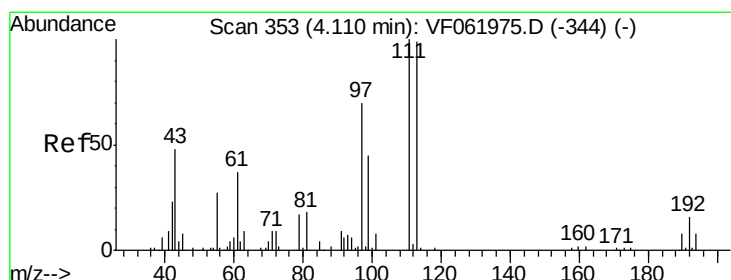
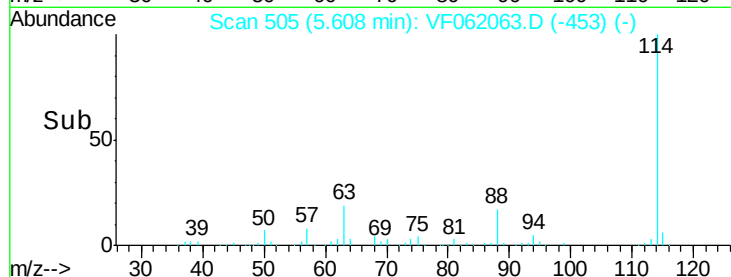
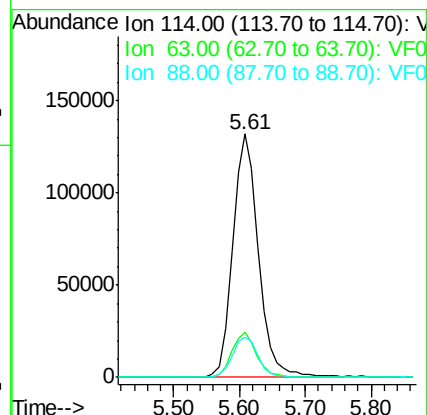
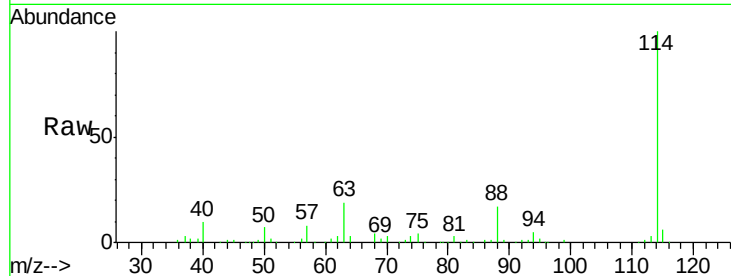
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.8	0.0	36.4
88	16.6	0.0	36.4

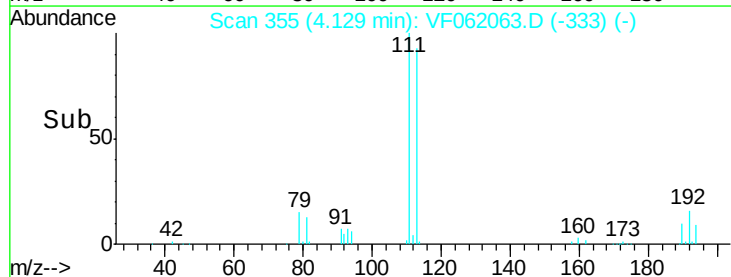
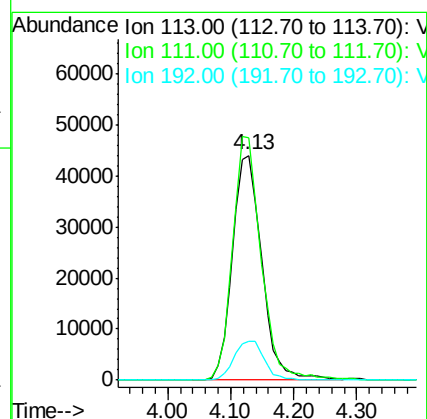
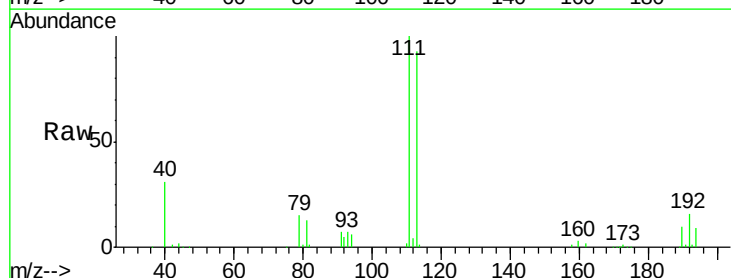
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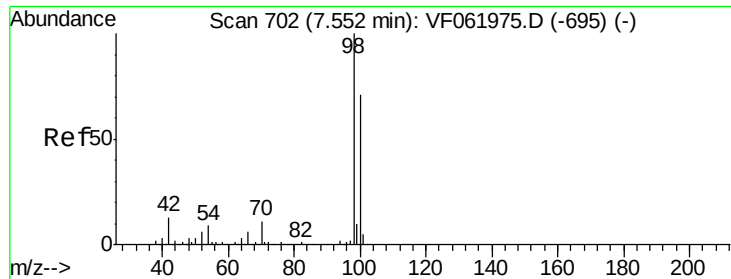
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#35
Dibromofluoromethane
Concen: 58.833 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	108.0	80.8	121.2
192	17.5	13.0	19.6





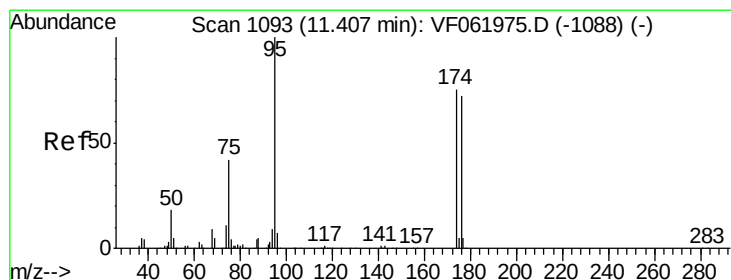
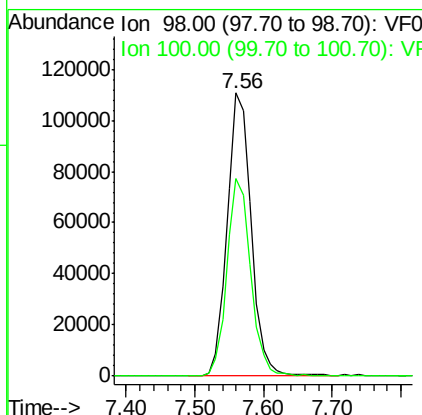
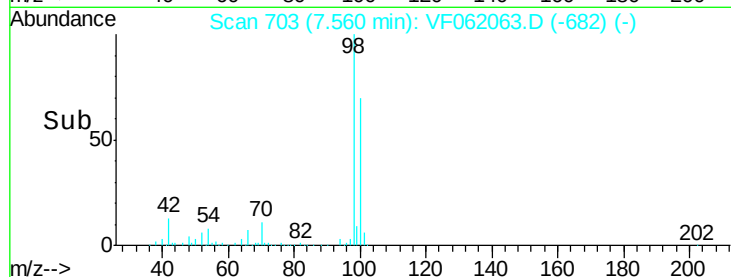
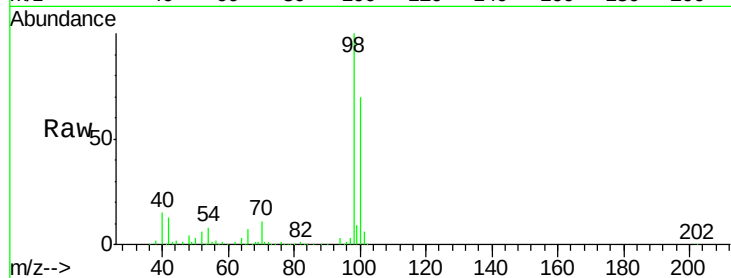
#50
Toluene-d8
Concen: 37.910 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tot Ion: 98 Resp: 267678
Ion Ratio Lower Upper
98 100
100 69.8 56.8 85.2

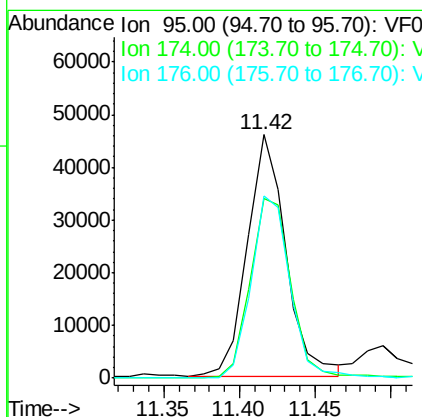
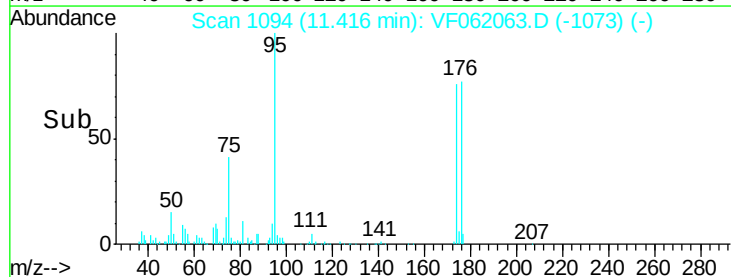
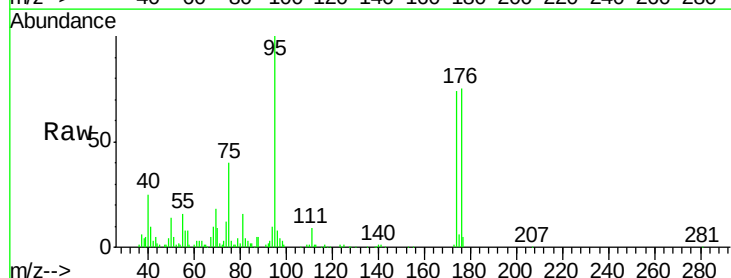
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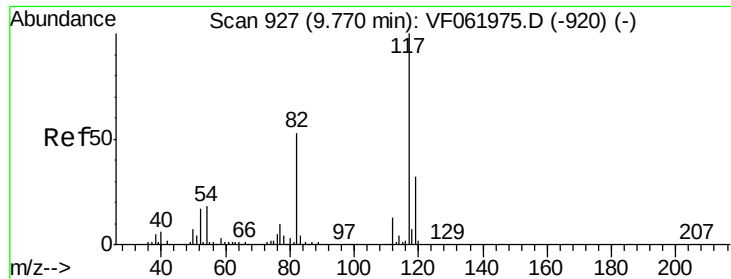
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#62
4-Bromofluorobenzene
Concen: 29.180 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion: 95 Resp: 81849
Ion Ratio Lower Upper
95 100
174 74.0 0.0 149.4
176 74.6 0.0 143.4





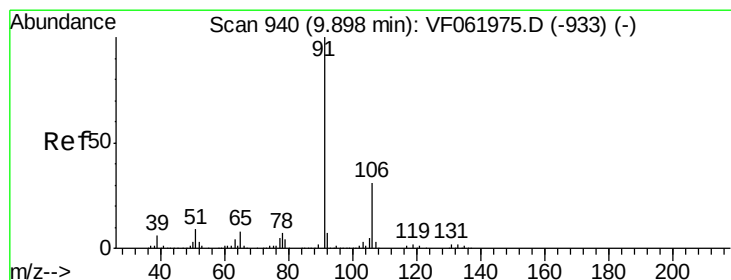
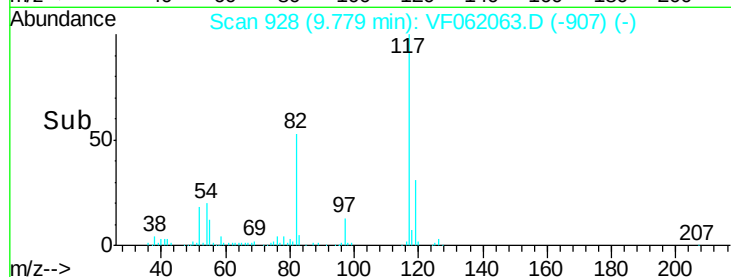
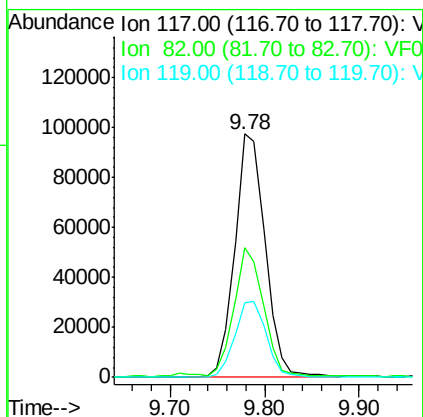
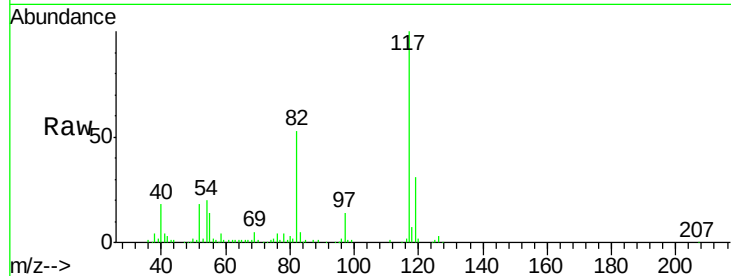
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.5	63.7
119	30.5	25.4	38.0

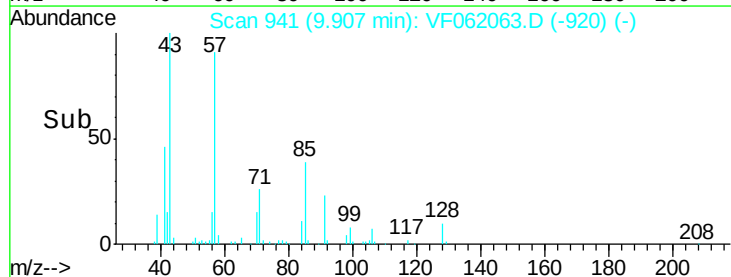
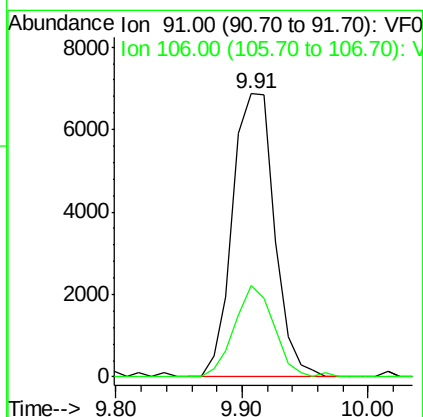
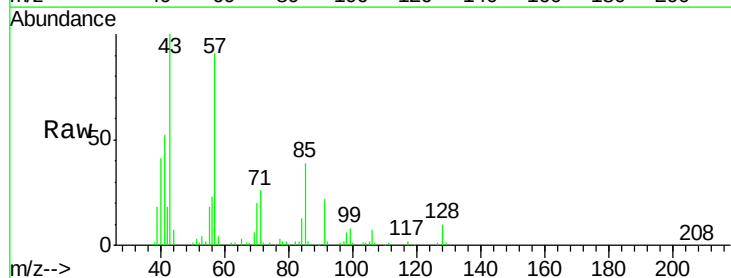
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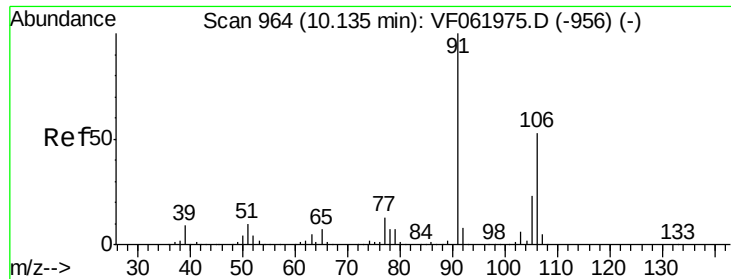
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#67
Ethyl Benzene
Concen: 2.277 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.4	36.6





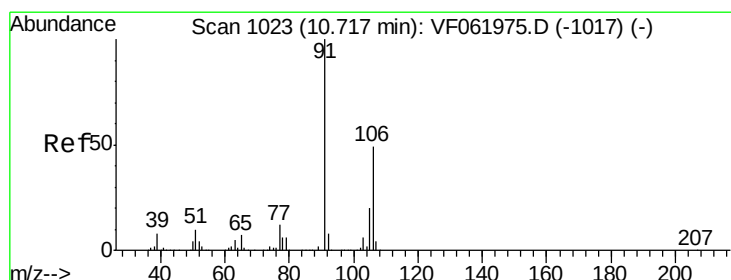
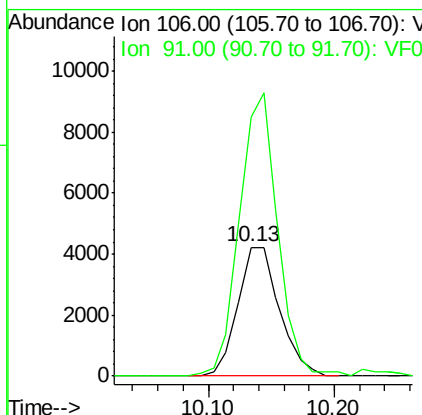
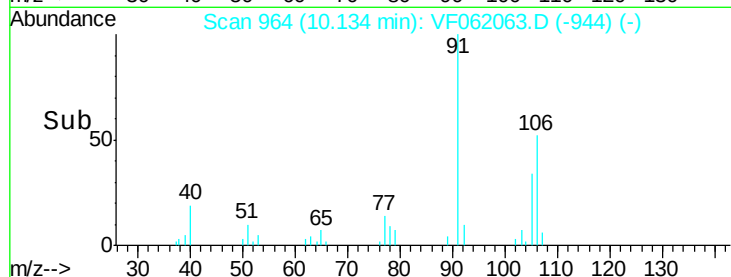
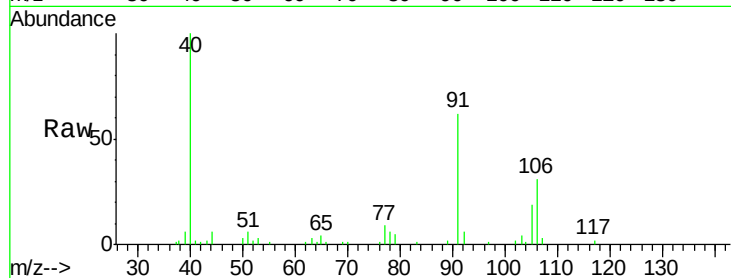
#68
m/p-Xylenes
Concen: 3.699 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tot Ion:106 Resp: 9684
Ion Ratio Lower Upper
106 100
91 200.9 151.9 227.9

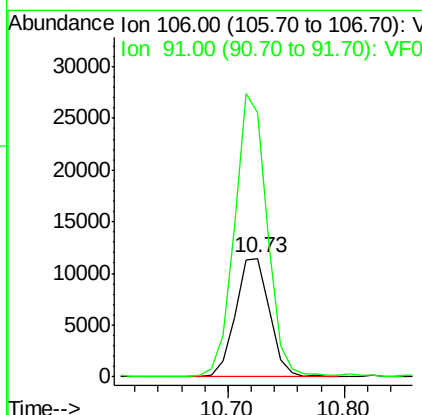
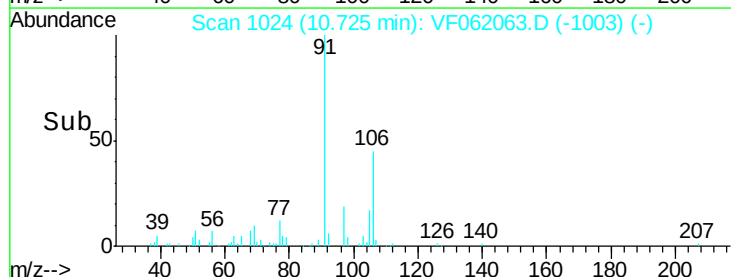
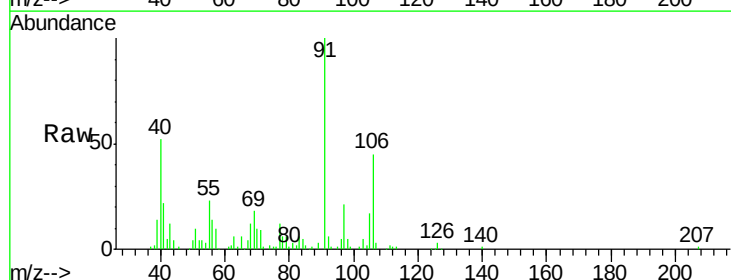
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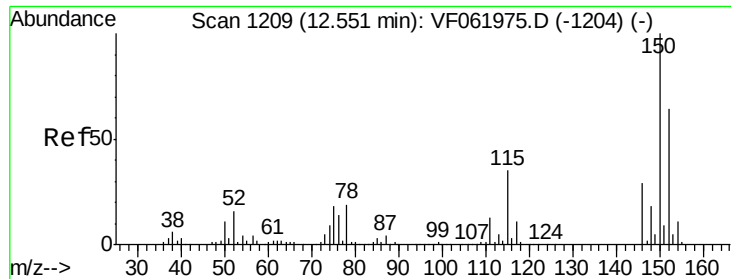
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#69
o-Xylene
Concen: 8.239 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion:106 Resp: 23080
Ion Ratio Lower Upper
106 100
91 221.8 102.3 306.8





#72

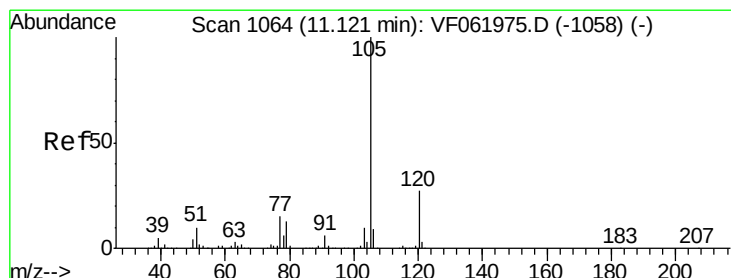
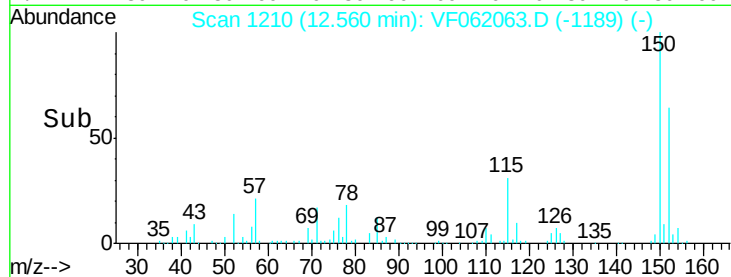
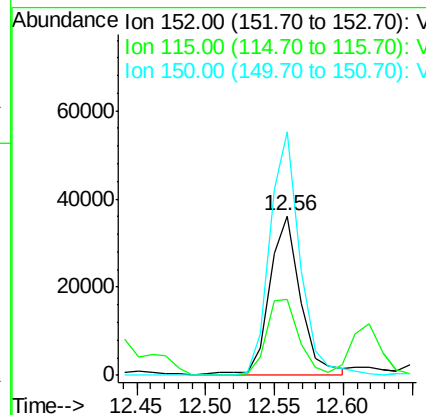
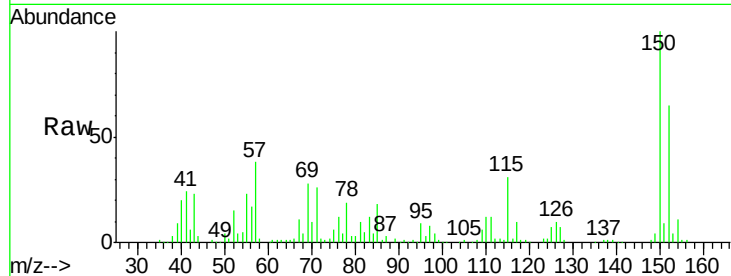
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampled :
40021

Tot Ion	Ratio	Lower	Upper
152	100		
115	47.6	27.3	81.9
150	152.8	0.0	316.2

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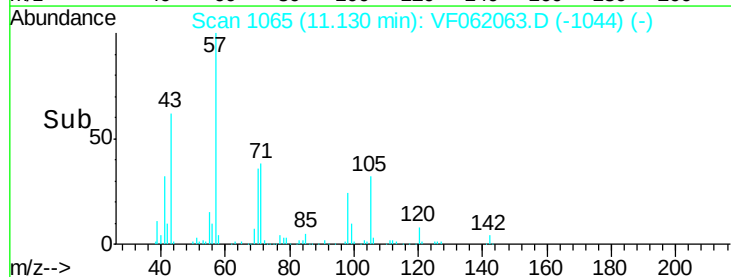
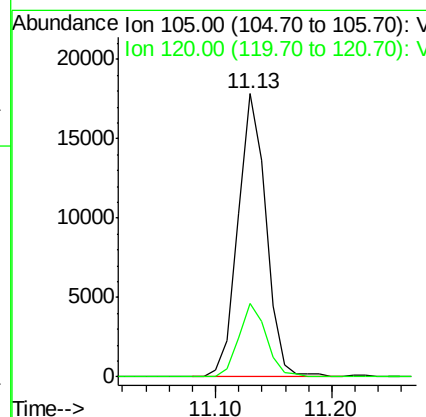
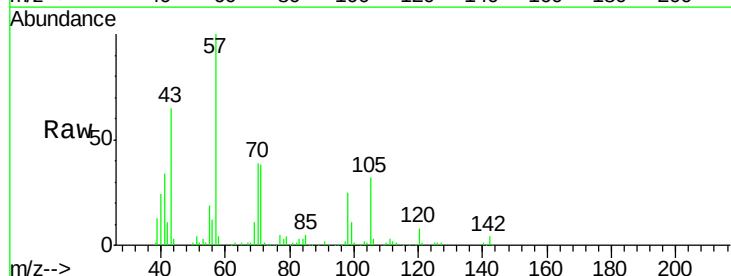
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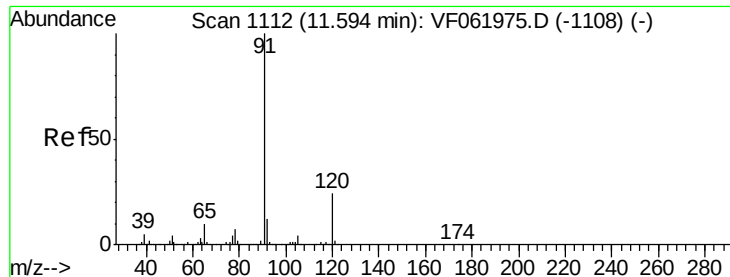


#73

Isopropylbenzene
Concen: 7.588 ug/l
RT: 11.13 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.8	41.3





#78

n-propylbenzene

Concen: 21.935 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

Tot Ion: 91 Resp: 99038

Ion Ratio Lower Upper

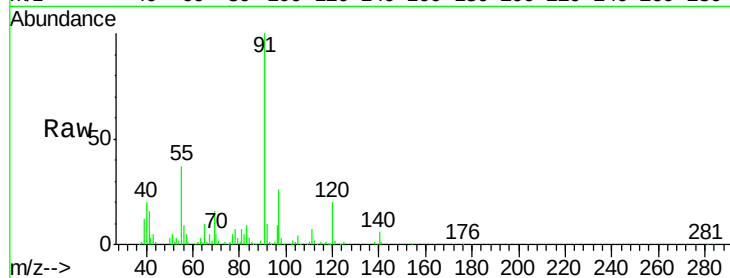
91 100

120 20.4 11.8 35.3

Manual Integrations
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3/23/2019 2:59:57 AM



Abundance Ion 91.00 (90.70 to 91.70): VF061975.D (-1108) (-)

Ion 120.00 (119.70 to 120.70): VF061975.D (-1108) (-)

80000

60000

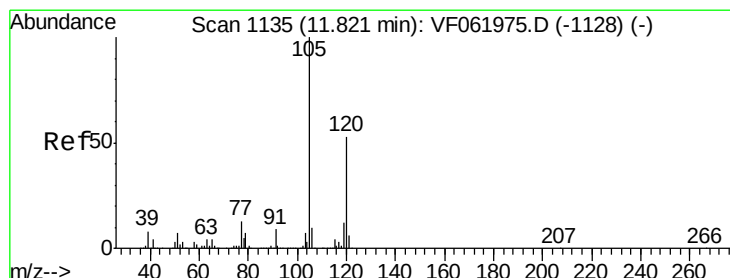
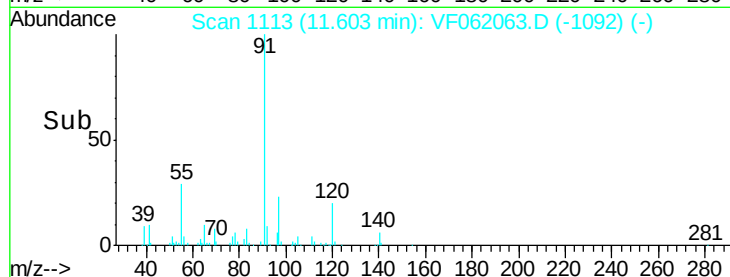
40000

20000

0

11.50 11.60 11.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 64.401 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF062063.D

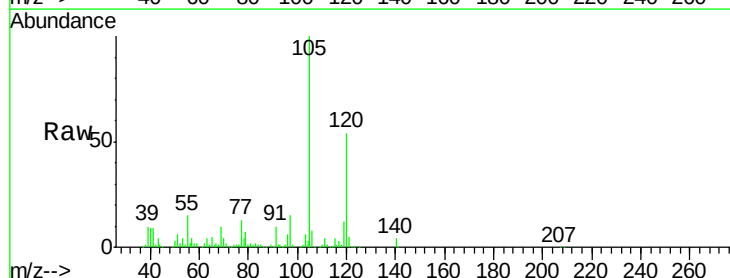
Acq: 21 Mar 2019 16:26

Tgt Ion: 105 Resp: 204274

Ion Ratio Lower Upper

105 100

120 53.8 26.6 79.7



Abundance Ion 105.00 (104.70 to 105.70): VF061975.D (-1128) (-)

Ion 120.00 (119.70 to 120.70): VF061975.D (-1128) (-)

250000

200000

150000

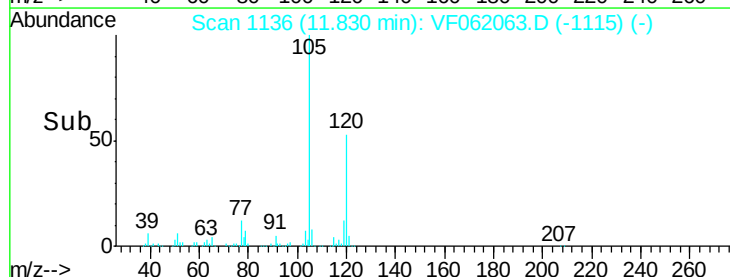
100000

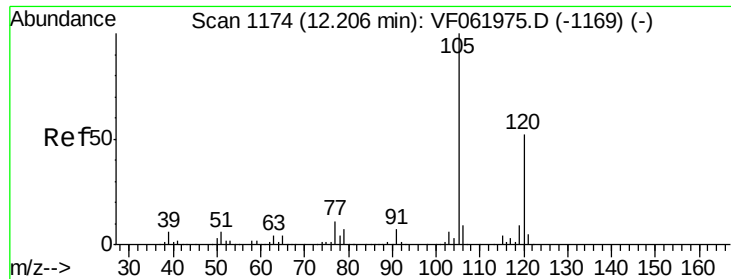
50000

0

11.80 11.83 11.90

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 140.938 ug/l

RT: 12.21 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

Tot Ion:105 Resp: 447770

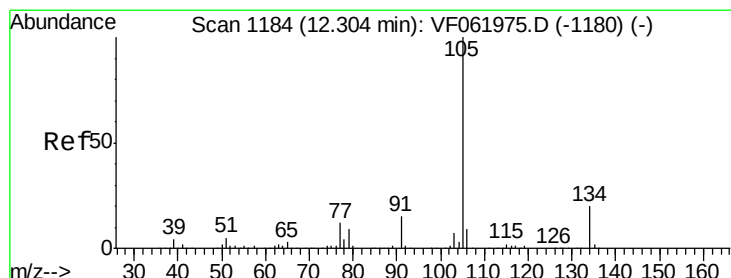
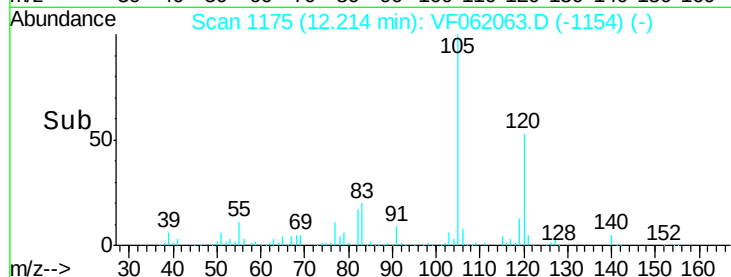
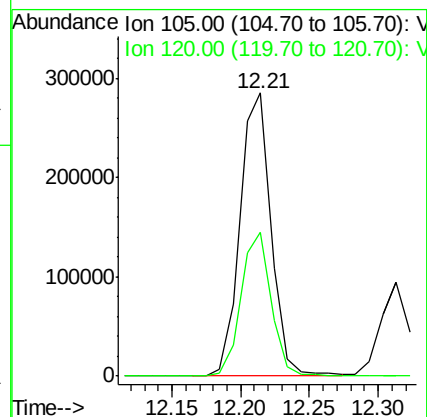
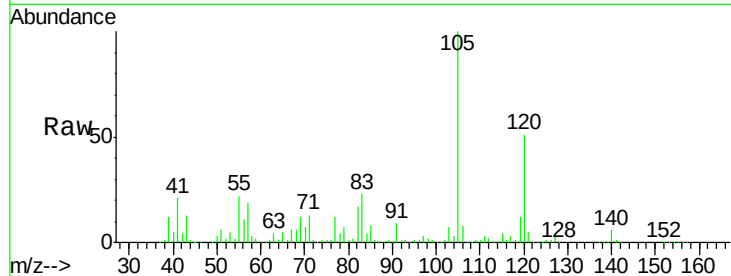
Ion Ratio Lower Upper

105 100

120 50.9 25.9 77.8

Manual Integrations
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#85

sec-Butylbenzene

Concen: 30.235 ug/l

RT: 12.31 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062063.D

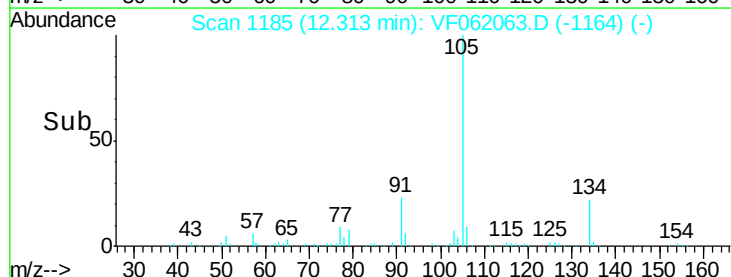
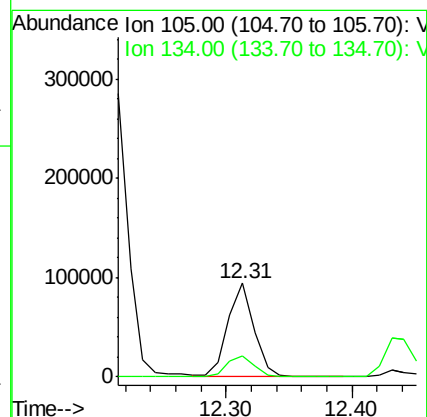
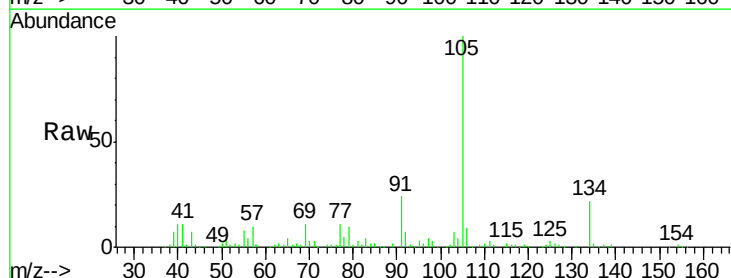
Acq: 21 Mar 2019 16:26

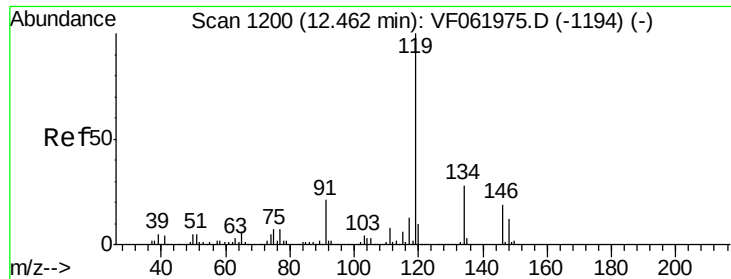
Tgt Ion:105 Resp: 135509

Ion Ratio Lower Upper

105 100

134 22.0 10.0 29.8





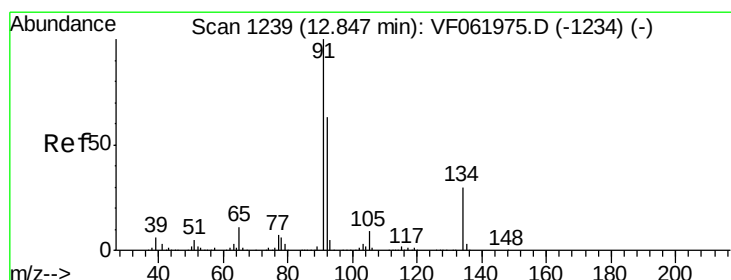
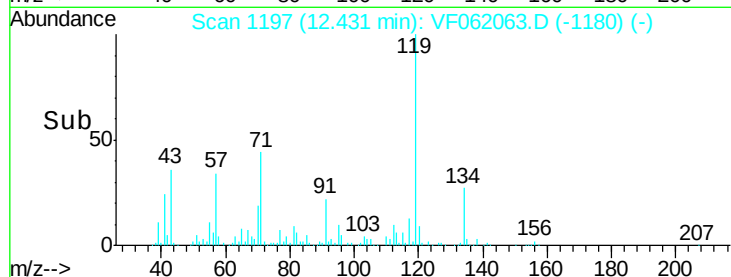
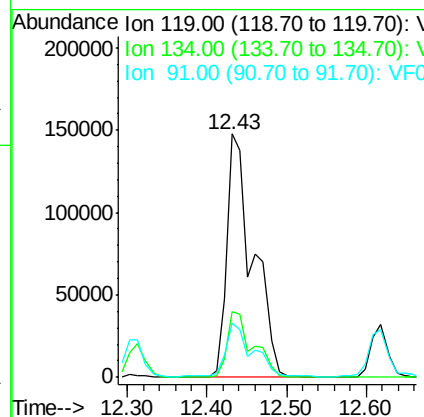
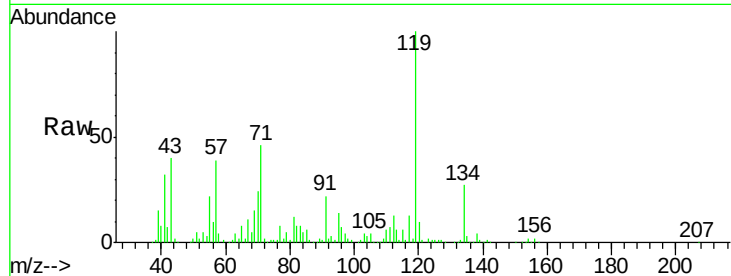
#86
 p-Isopropyltoluene
 Concen: 90.527 ug/l
 RT: 12.43 min Scan# 1197
 Delta R.T. -0.03 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 40021

Tot Ion	Ratio	Resp	Lower	Upper
119	100	338554		
134	26.9	13.9	41.7	
91	22.3	10.4	31.1	

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 2:59:57 AM



#89
 n-Butylbenzene
 Concen: 72.449 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	254598		
92	45.8	31.7	95.1	
134	83.8	15.1	45.3	

