

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062020.D
 Acq On : 19 Mar 2019 16:12
 Operator : VA/AP
 Sample : K1697-09RE
 Misc : 6.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-031519-ARE

Manual Integrations
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MMDadoda
 3/20/2019 3:39:32 PM

Quant Time: Mar 20 06:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	260947	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	402764	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	311506	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	142080	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	105714	56.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.56%	
35) Dibromofluoromethane	4.08	113	149542	55.29	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.58%	
50) Toluene-d8	7.53	98	398472	50.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.40	95	142714	45.44	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.88%	
Target Compounds						
16) Acetone	2.22	43	24630	58.392	ug/l	99
20) Methylene Chloride	2.16	84	12763m	5.877	ug/l	
40) Benzene	4.61	78	30003	3.113	ug/l	99
52) Toluene	7.60	92	13276	2.255	ug/l	97
68) m/p-Xylenes	10.10	106	6412	1.717	ug/l	82
80) 1,3,5-Trimethylbenzene	11.81	105	9347	1.179	ug/l	98
84) 1,2,4-Trimethylbenzene	12.18	105	43446	5.470	ug/l	96
89) n-Butylbenzene	12.83	91	12075	1.375	ug/l #	73
95) Naphthalene	14.44	128	18355	3.542	ug/l #	91

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

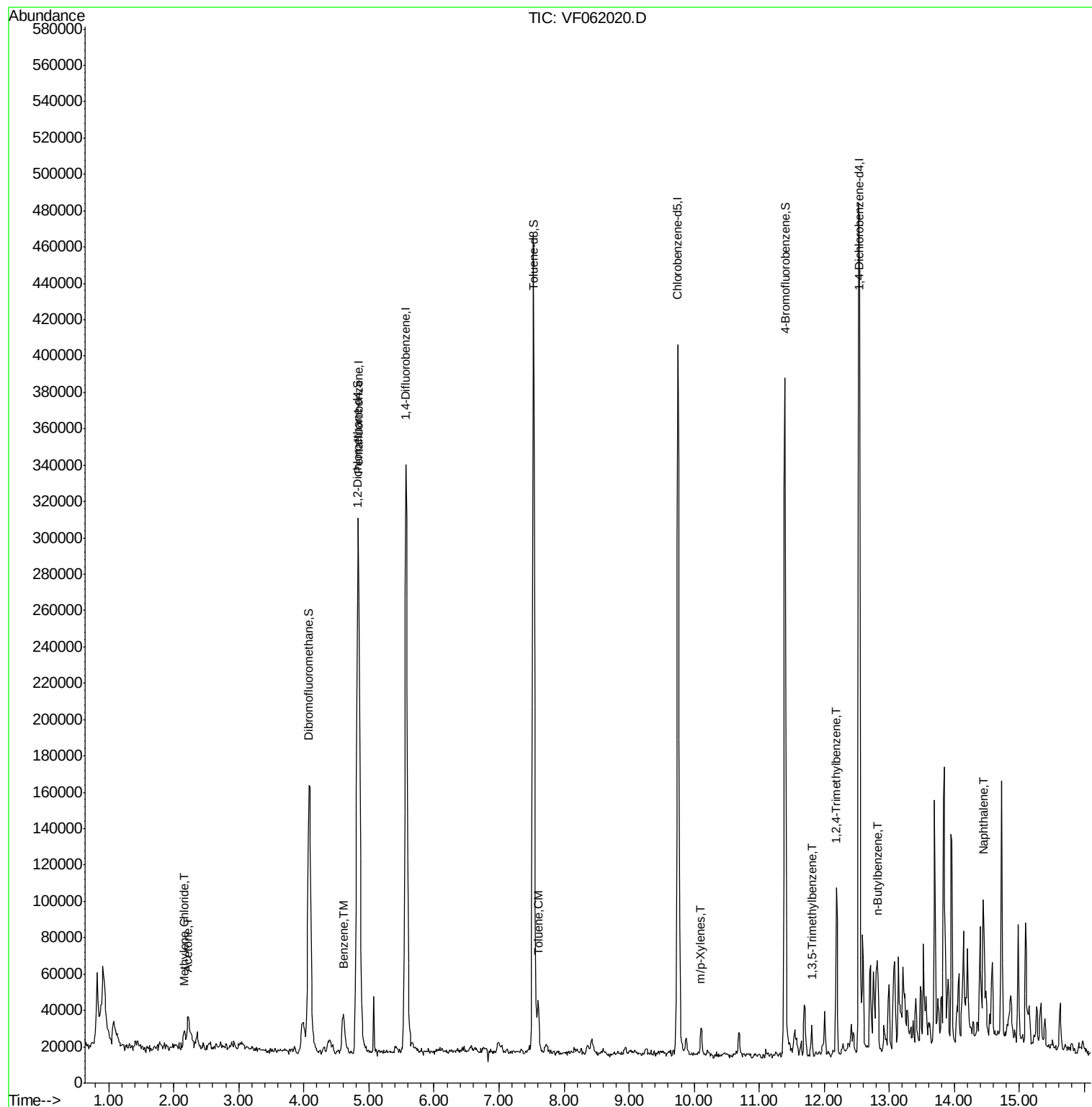
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062020.D
Acq On : 19 Mar 2019 16:12
Operator : VA/AP
Sample : K1697-09RE
Misc : 6.72g/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

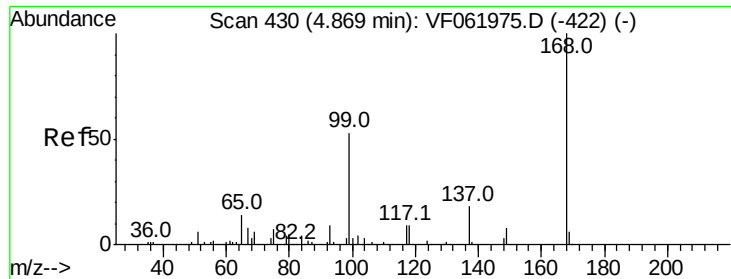
Instrument :
MSVOA_F
ClientSampleId :
SU-01-031519-ARE

Manual Integrations
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3/20/2019 3:39:32 PM

Quant Time: Mar 20 06:00:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062020.D

Acq: 19 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

SU-01-031519-ARE

Tot Ion:168 Resp: 260947

Ion Ratio Lower Upper

168 100

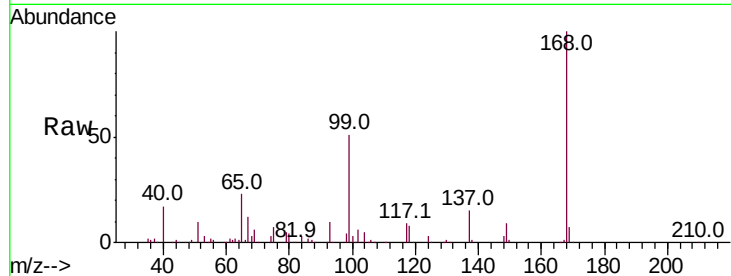
99 50.7 42.4 63.6

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

60000

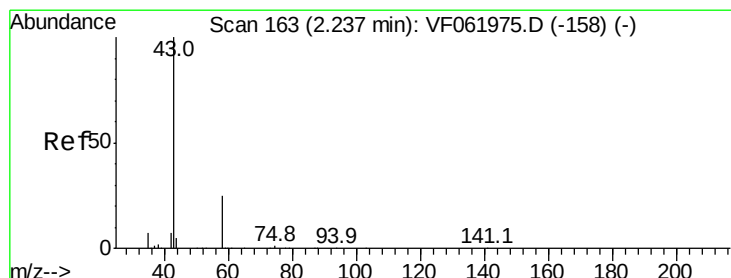
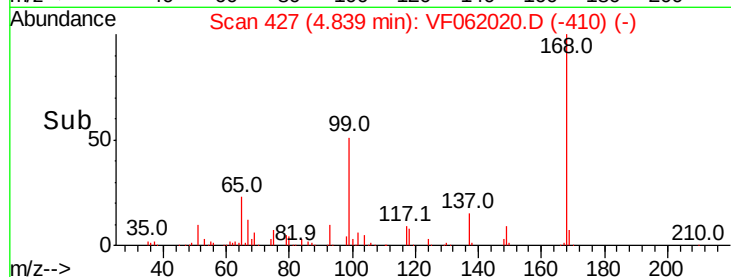
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#16

Acetone

Concen: 58.392 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF062020.D

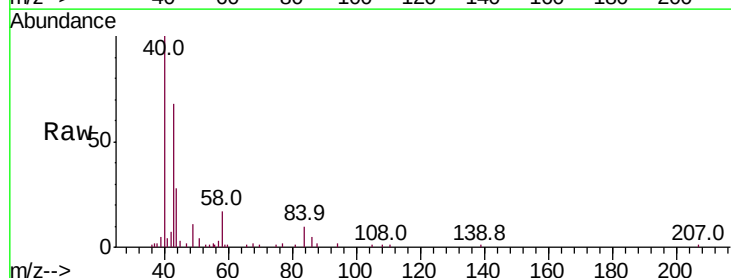
Acq: 19 Mar 2019 16:12

Tgt Ion: 43 Resp: 24630

Ion Ratio Lower Upper

43 100

58 24.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

10000

8000

6000

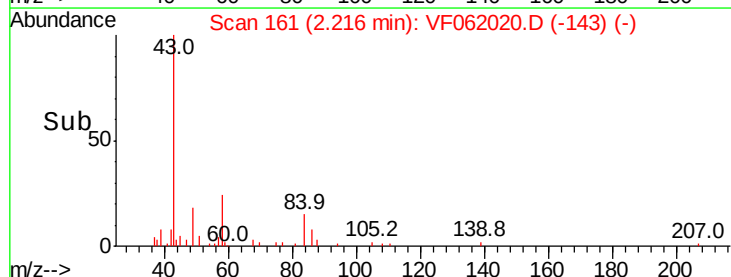
4000

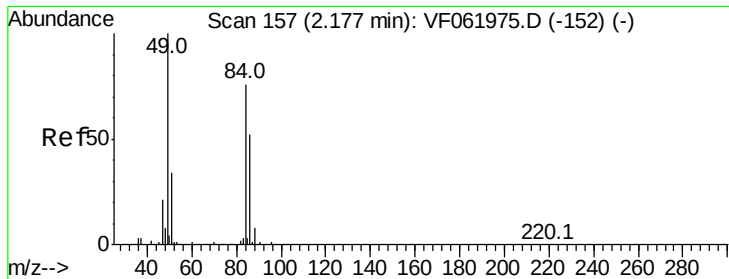
2000

0

2.10 2.20 2.30

Time-->





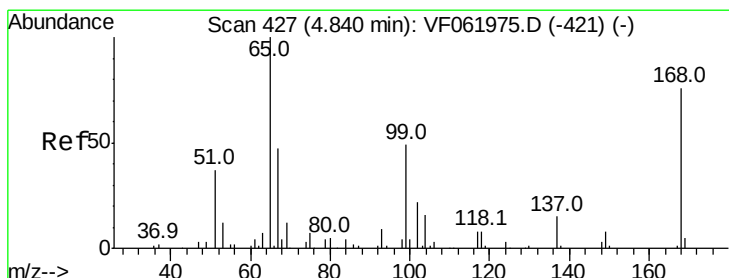
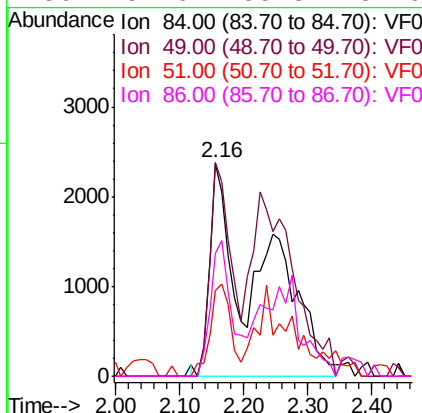
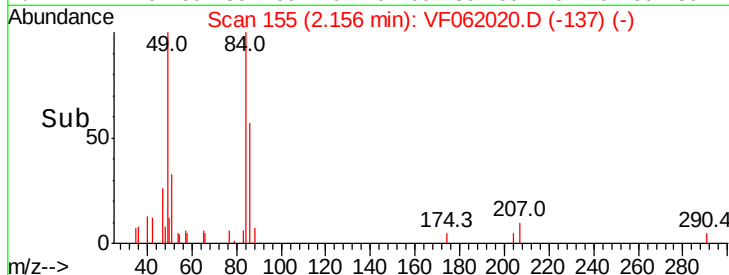
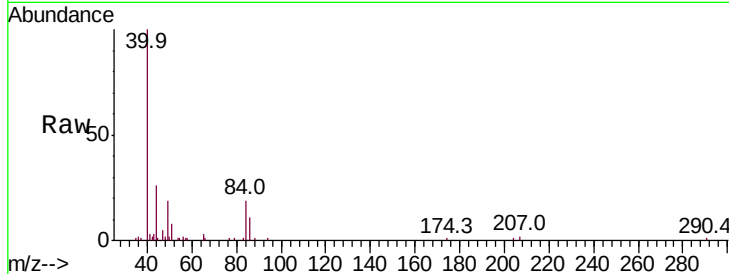
#20
Methylene Chloride
Concen: 5.877 ug/l m
RT: 2.16 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF062020.D
Acq: 19 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
SU-01-031519-ARE

Tot Ion: 84 Resp: 12763
Ion Ratio Lower Upper
84 100
49 100.2 107.0 160.6#
51 40.4 37.2 55.8
86 57.6 55.3 82.9

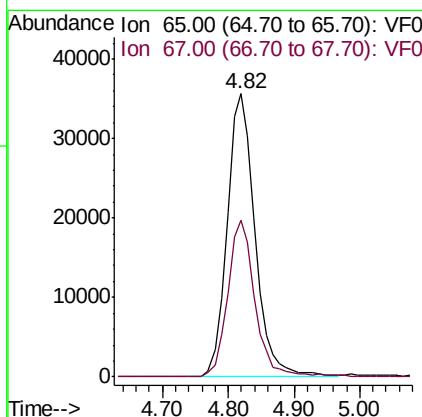
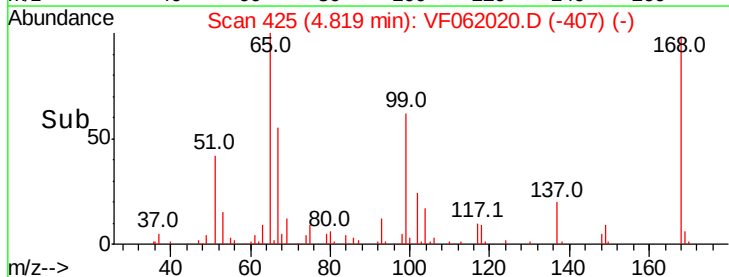
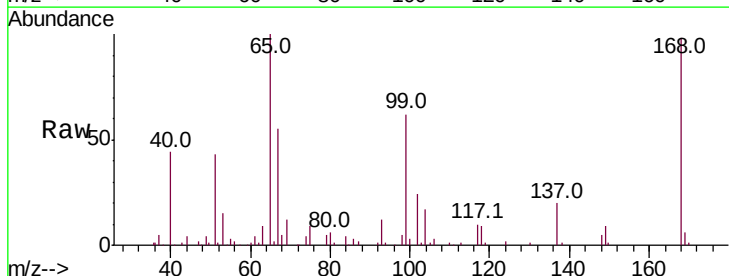
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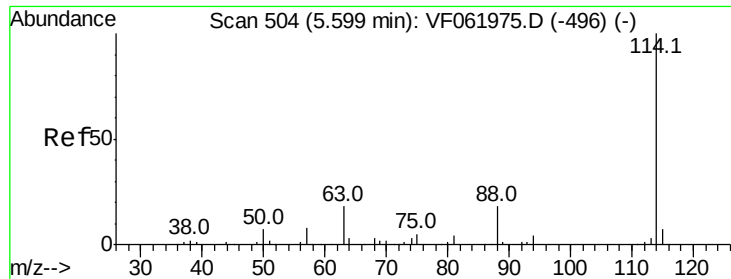
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#33
1,2-Dichloroethane-d4
Concen: 56.279 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.02 min
Lab File: VF062020.D
Acq: 19 Mar 2019 16:12

Tgt Ion: 65 Resp: 105714
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.4





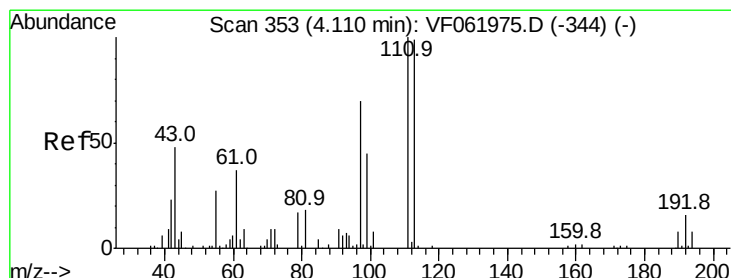
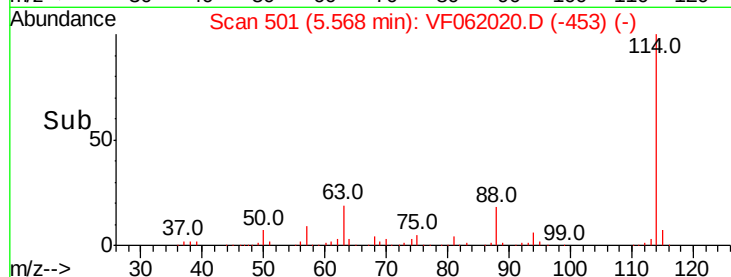
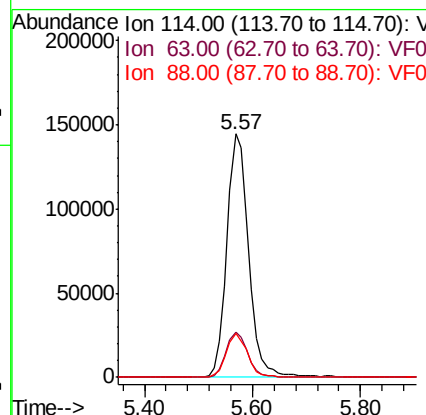
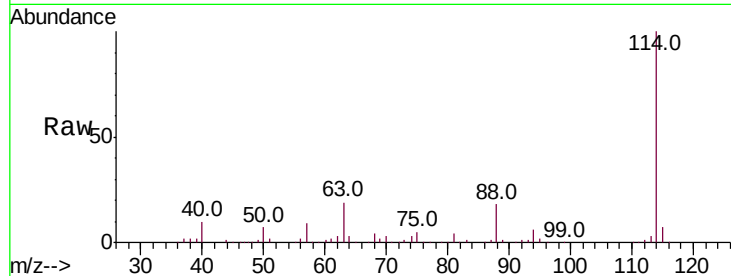
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF062020.D
 Acq: 19 Mar 2019 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-031519-ARE

Tot Ion:	114	Resp:	402764
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	36.4
88	17.8	0.0	36.4

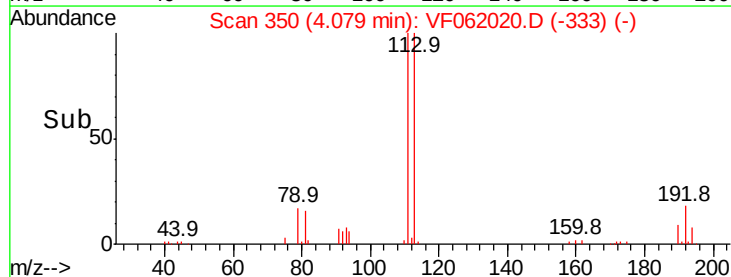
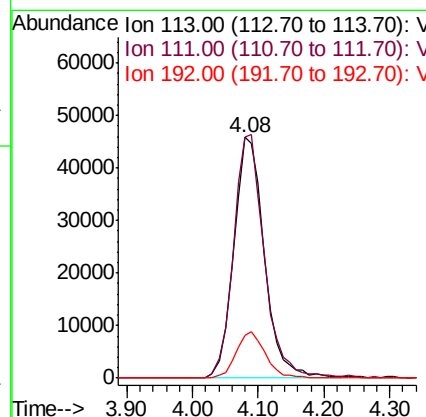
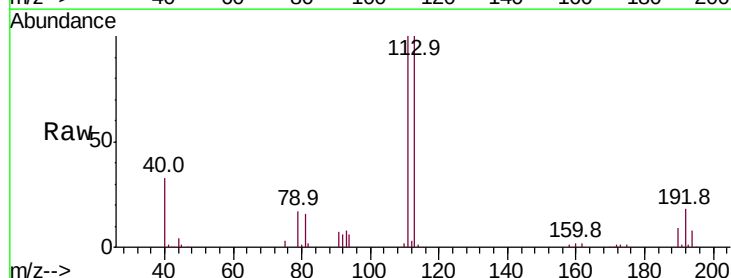
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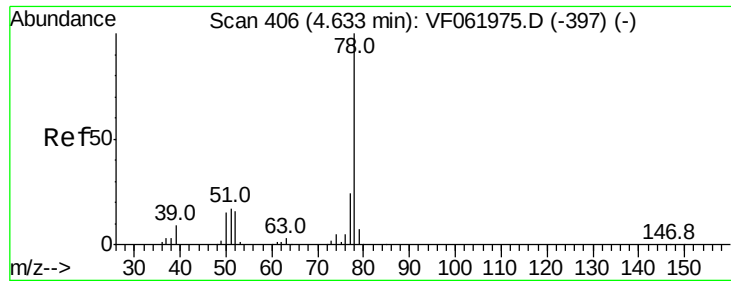
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#35
 Dibromofluoromethane
 Concen: 55.291 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.03 min
 Lab File: VF062020.D
 Acq: 19 Mar 2019 16:12

Tgt Ion:	113	Resp:	149542
Ion Ratio	Lower	Upper	
113	100		
111	100.1	80.8	121.2
192	18.5	13.0	19.6





#40

Benzene

Concen: 3.113 ug/l

RT: 4.61 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062020.D

Acq: 19 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

SU-01-031519-ARE

Tot Ion: 78 Resp: 30003

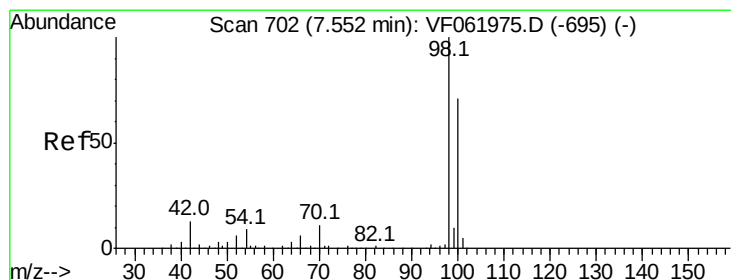
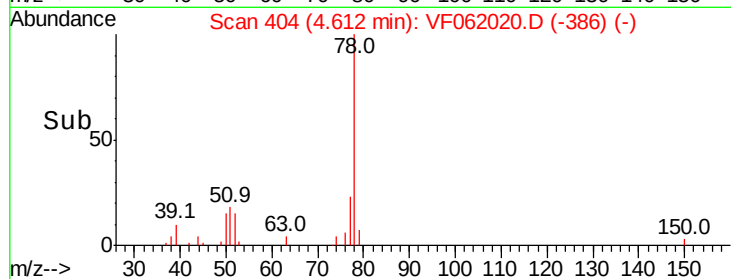
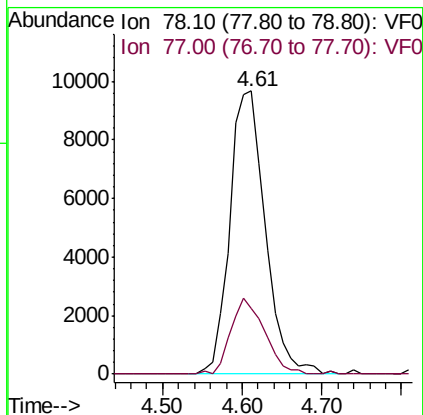
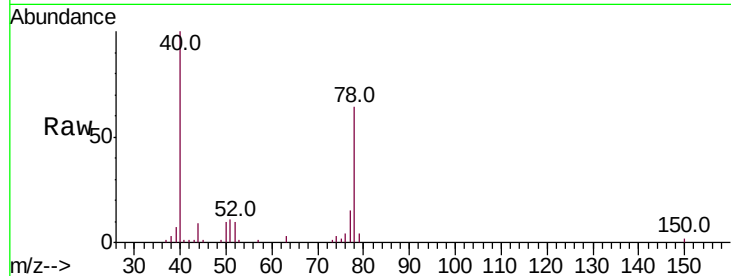
Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.4

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#50

Toluene-d8

Concen: 50.398 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062020.D

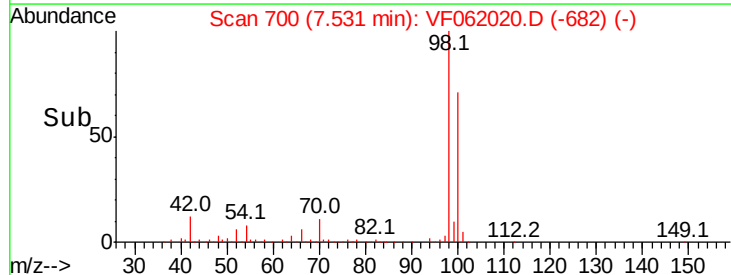
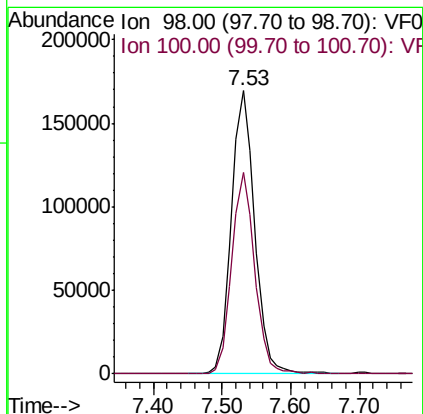
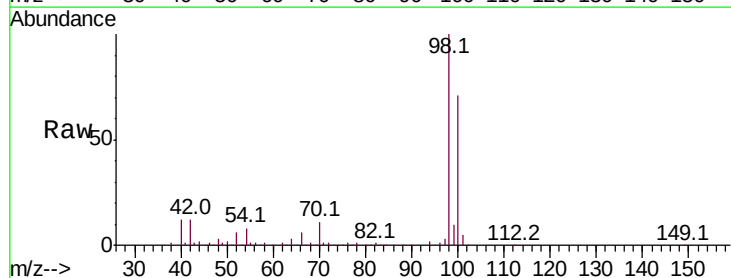
Acq: 19 Mar 2019 16:12

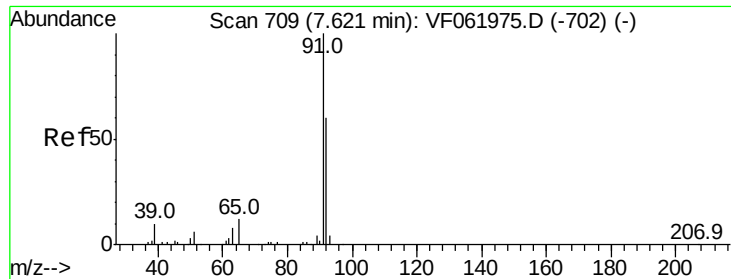
Tgt Ion: 98 Resp: 398472

Ion Ratio Lower Upper

98 100

100 71.1 56.8 85.2





#52

Toluene

Concen: 2.255 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062020.D

Acq: 19 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

SU-01-031519-ARE

Tot Ion: 92 Resp: 13276

Ion Ratio Lower Upper

92 100

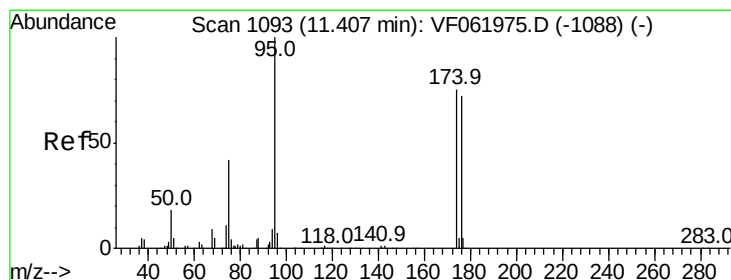
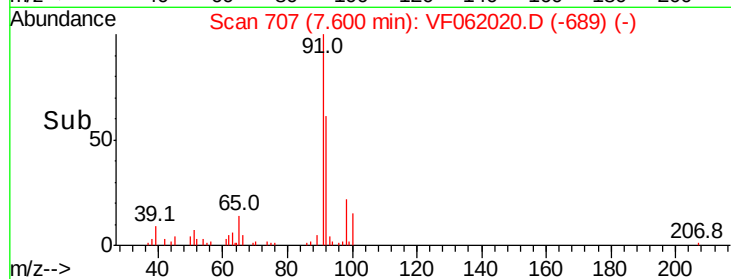
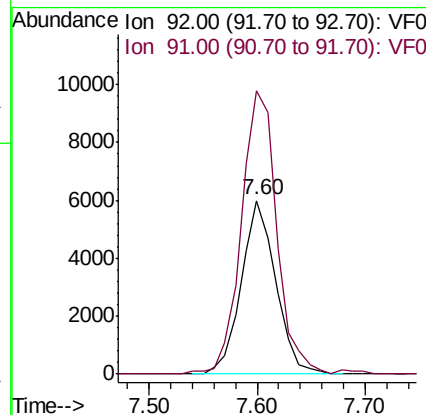
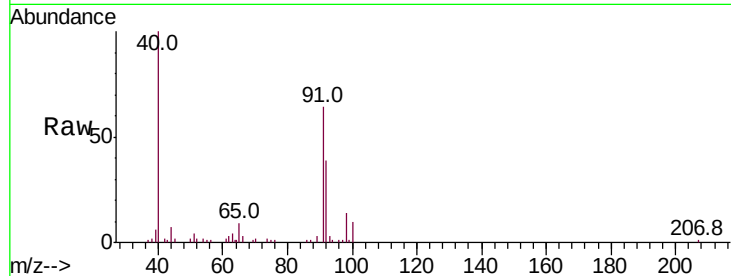
91 163.3 134.0 201.0

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#62

4-Bromofluorobenzene

Concen: 45.437 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062020.D

Acq: 19 Mar 2019 16:12

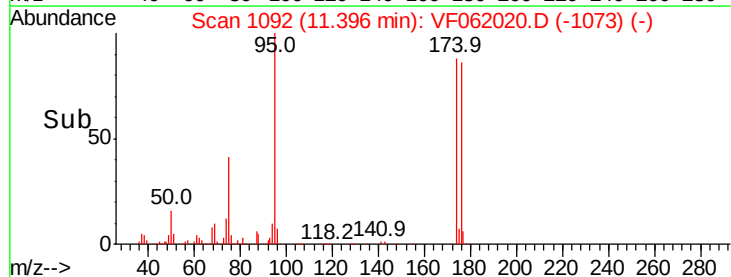
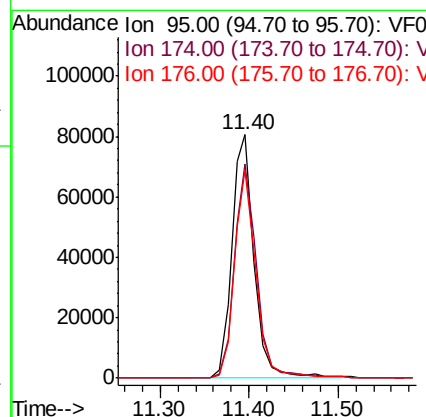
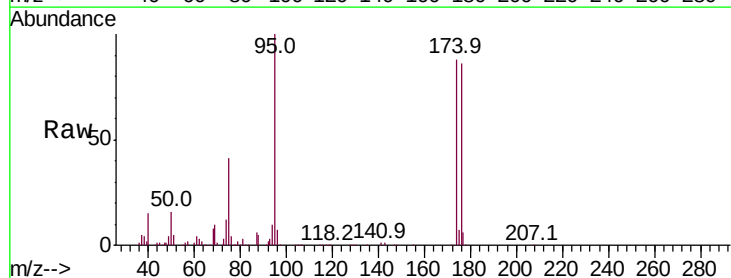
Tgt Ion: 95 Resp: 142714

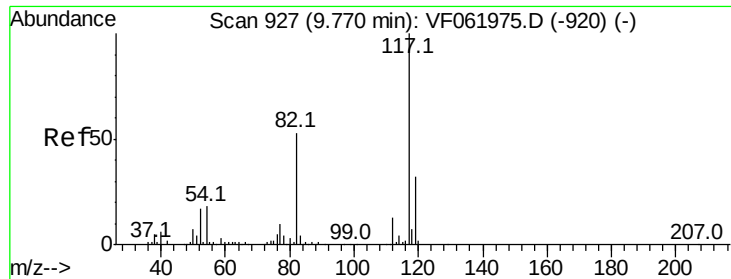
Ion Ratio Lower Upper

95 100

174 88.1 0.0 149.4

176 85.6 0.0 143.4





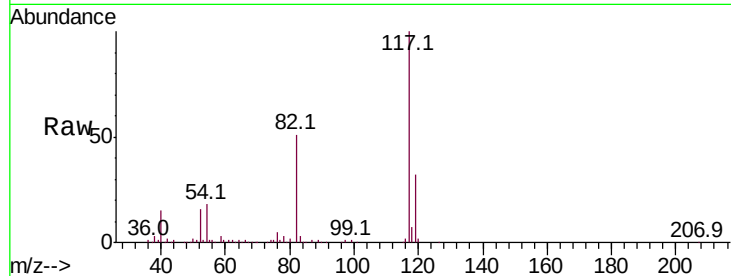
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062020.D
Acq: 19 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
SU-01-031519-ARE

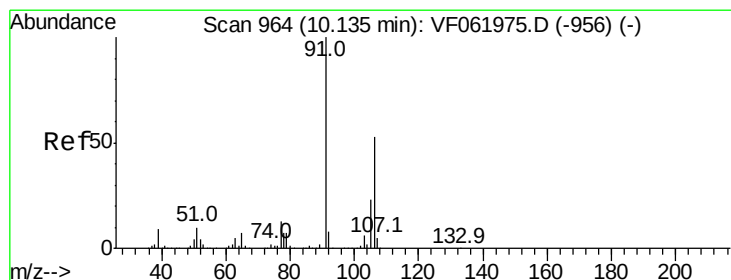
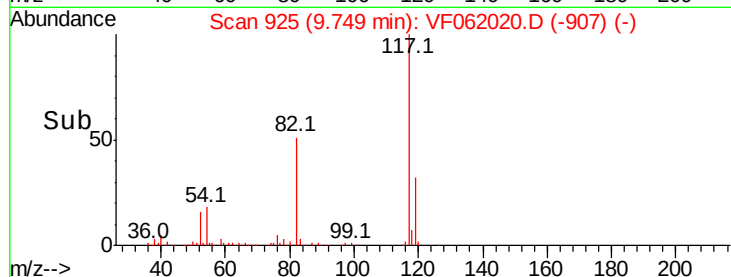
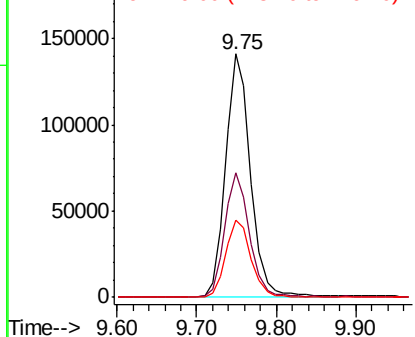
Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.4	42.5	63.7	
119	31.6	25.4	38.0	

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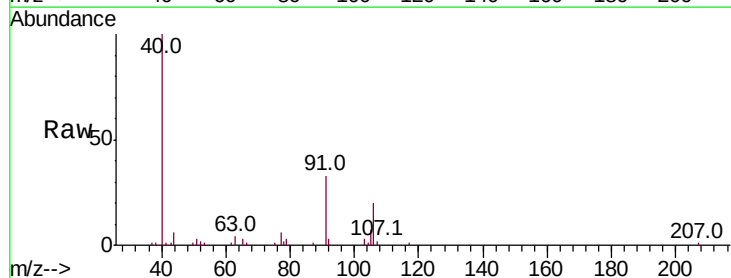


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

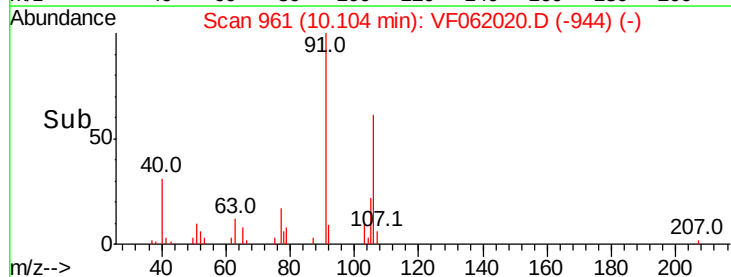
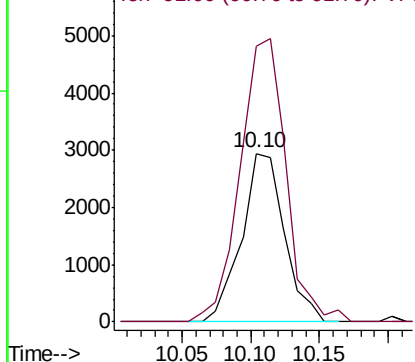


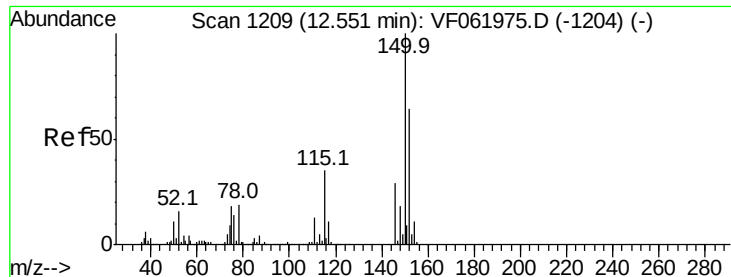
#68
m/p-Xylenes
Concen: 1.717 ug/l
RT: 10.10 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF062020.D
Acq: 19 Mar 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
106	100			
91	163.6	151.9	227.9	



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062020.D

Acq: 19 Mar 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

SU-01-031519-ARE

Tot Ion:152 Resp: 142080

Ion Ratio Lower Upper

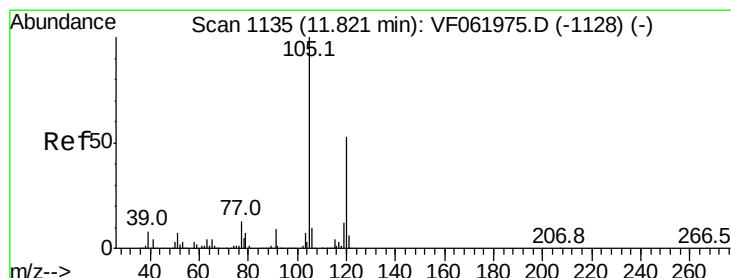
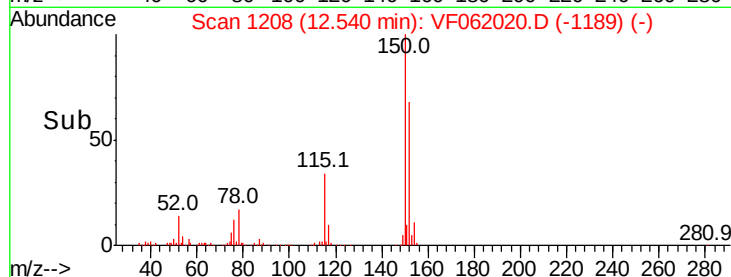
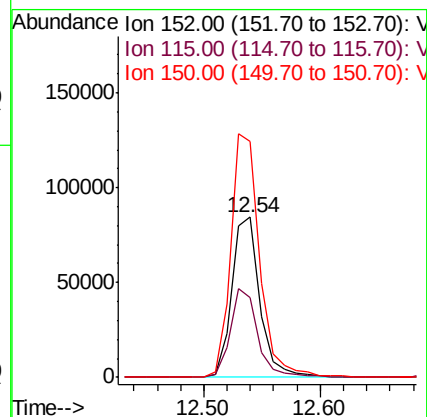
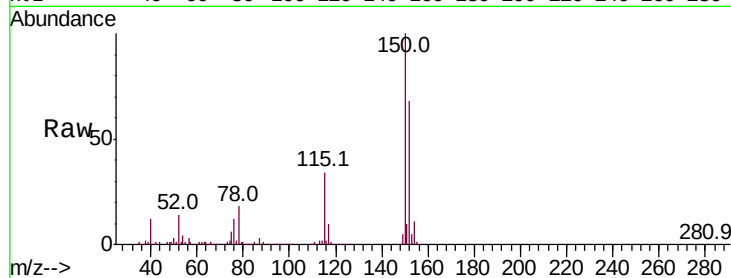
152 100

115 49.7 27.3 81.9

150 147.6 0.0 316.2

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#80

1,3,5-Trimethylbenzene

Concen: 1.179 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062020.D

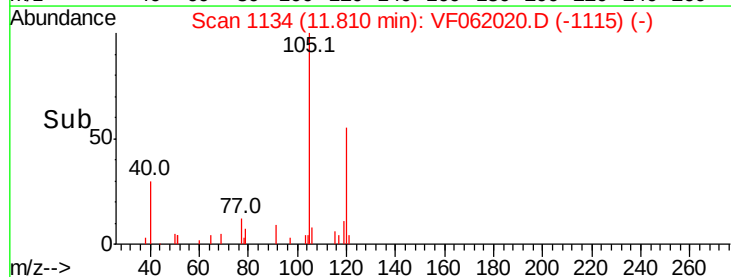
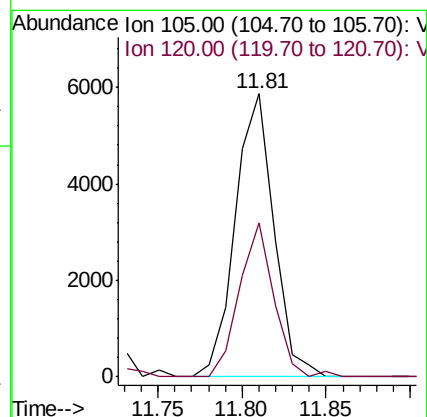
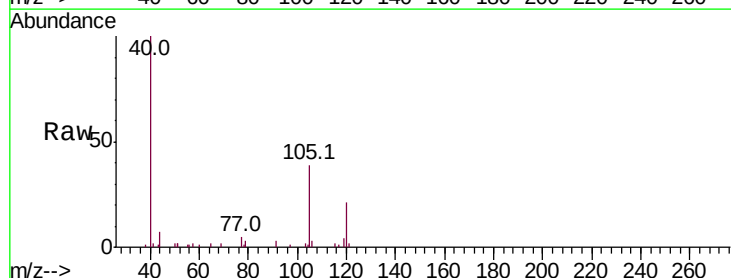
Acq: 19 Mar 2019 16:12

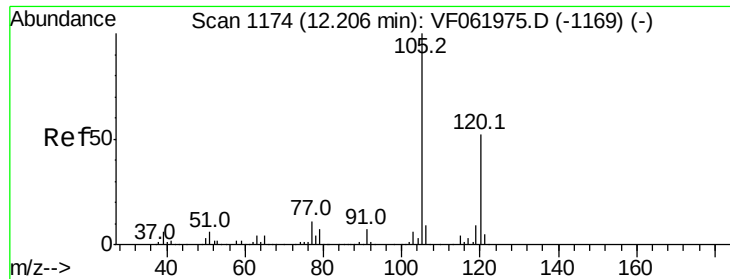
Tgt Ion:105 Resp: 9347

Ion Ratio Lower Upper

105 100

120 54.6 26.6 79.7





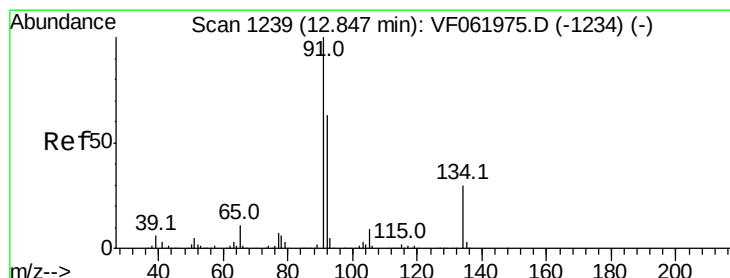
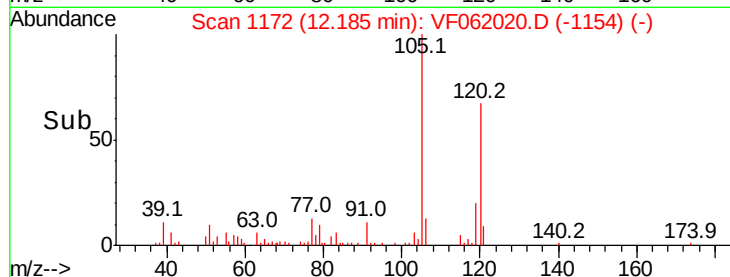
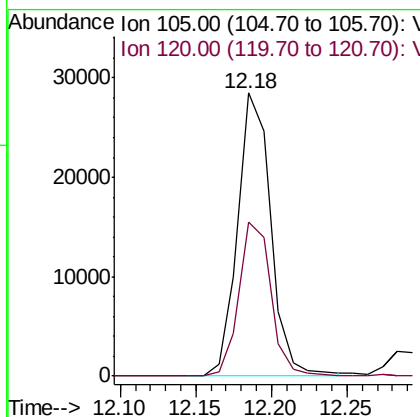
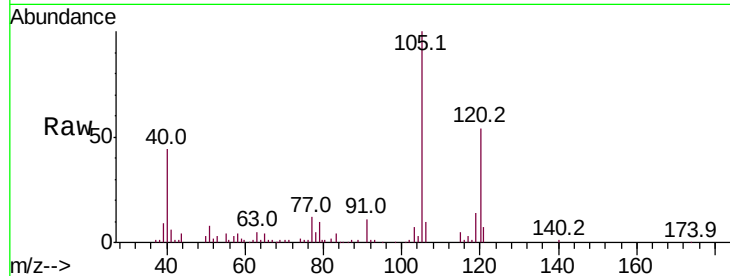
#84
 1,2,4-Trimethylbenzene
 Concen: 5.470 ug/l
 RT: 12.18 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF062020.D
 Acq: 19 Mar 2019 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-031519-ARE

Tot Ion:105 Resp: 43446
 Ion Ratio Lower Upper
 105 100
 120 54.4 25.9 77.8

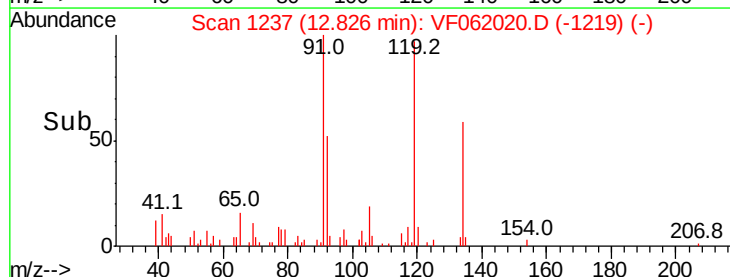
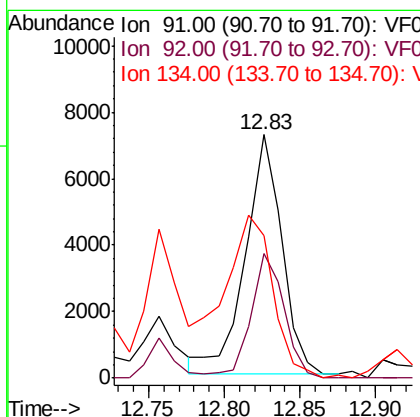
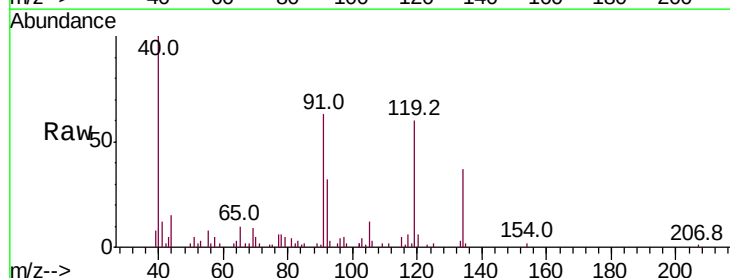
Manual Integrations
 APPROVED

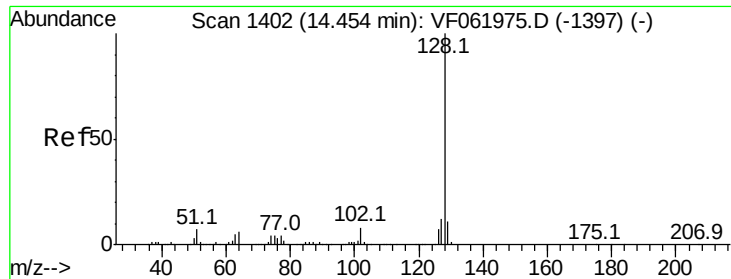
MMDadoda
 3/20/2019 3:39:32 PM



#89
 n-Butylbenzene
 Concen: 1.375 ug/l
 RT: 12.83 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: VF062020.D
 Acq: 19 Mar 2019 16:12

Tgt Ion: 91 Resp: 12075
 Ion Ratio Lower Upper
 91 100
 92 51.1 31.7 95.1
 134 58.3 15.1 45.3#





#95
Naphthalene
Concen: 3.542 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF062020.D
Acq: 19 Mar 2019 16:12

Instrument :
MSVOA_F
ClientSampleId :
SU-01-031519-ARE

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.3	9.3	13.9
129	17.7	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
3/20/2019 3:39:32 PM

