

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062120.D
 Acq On : 23 Mar 2019 16:36
 Operator : VA/AP
 Sample : K2045-06
 Misc : 6.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(25-27)

Quant Time: Mar 25 04:13:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

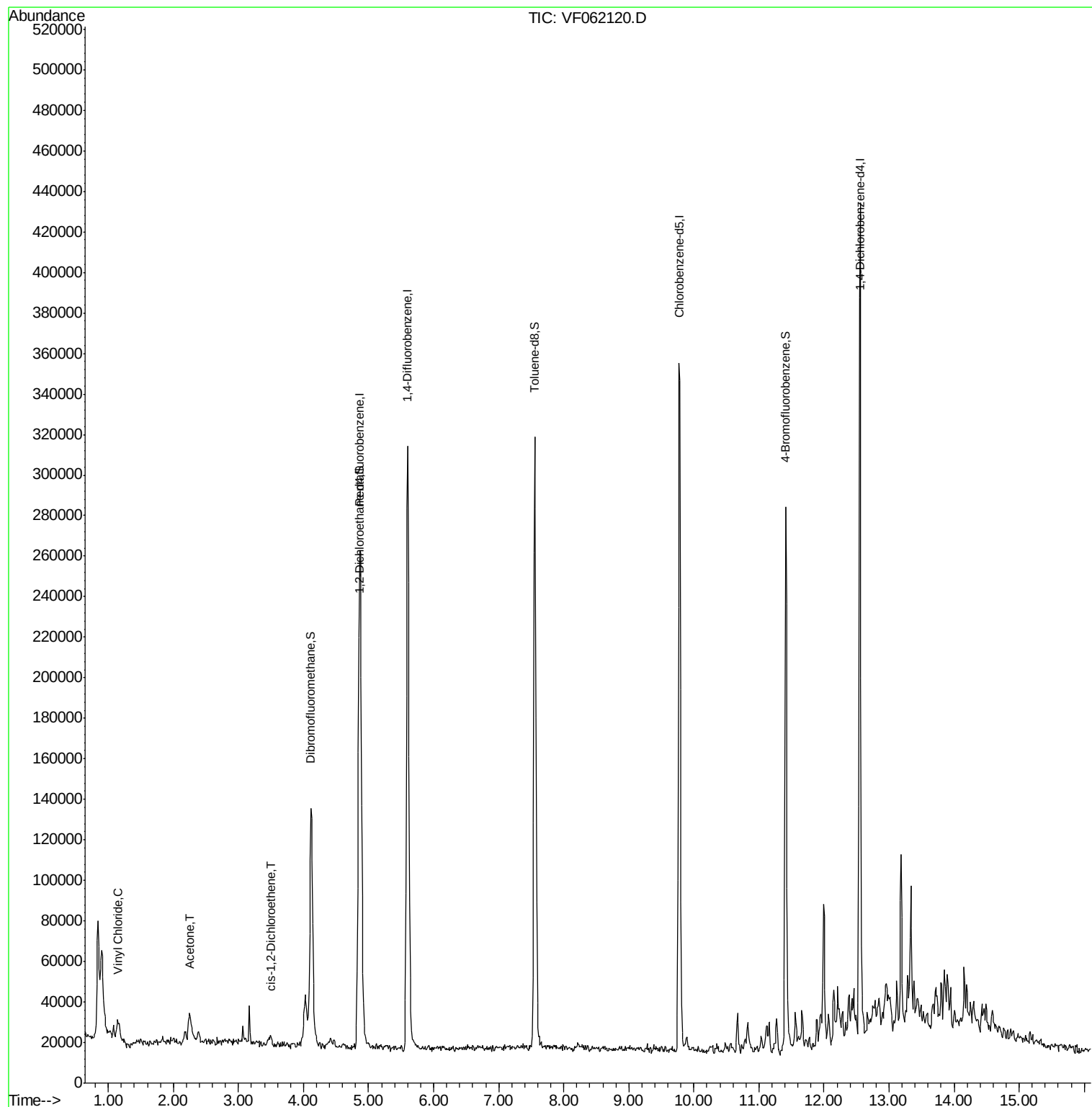
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	228626	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	374024	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	277403	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	119999	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	82837	48.71	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.42%	
35) Dibromofluoromethane	4.11	113	115907	45.81	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.62%	
50) Toluene-d8	7.55	98	283588	37.55	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	75.10%	
62) 4-Bromofluorobenzene	11.41	95	105047	36.03	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.06%	
Target Compounds						
4) Vinyl Chloride	1.15	62	22405	7.904	ug/l	100
16) Acetone	2.24	43	18669	52.162	ug/l	92
27) cis-1,2-Dichloroethene	3.48	96	2951	1.050	ug/l	91

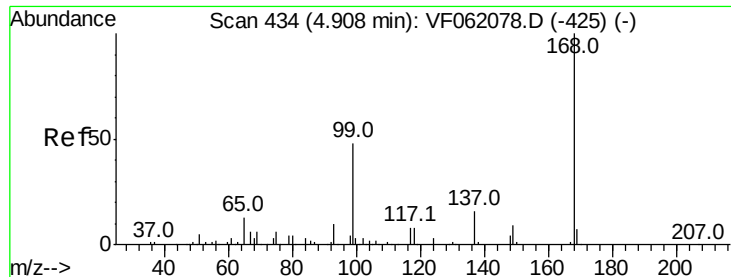
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF062120.D

Acq: 23 Mar 2019 16:36

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ClientSampleId :

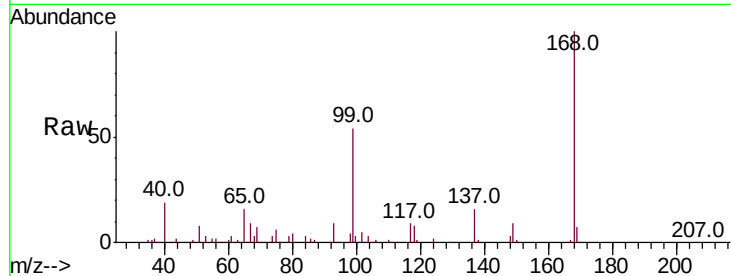
WP022SB439-190318-(25-27)

Tot Ion:168 Resp: 228626

Ion Ratio Lower Upper

168 100

99 53.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

40000

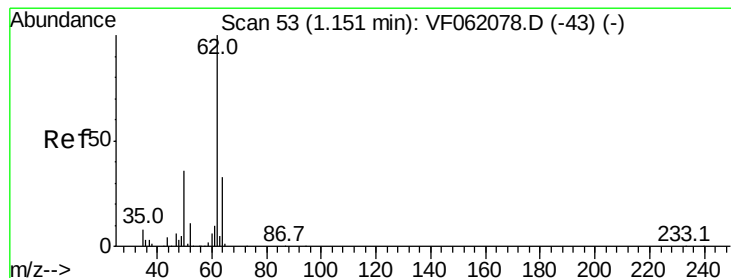
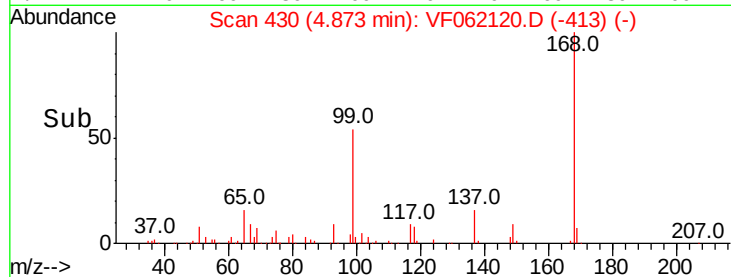
20000

0

Time-->

4.80

5.00



#4

Vinyl Chloride

Concen: 7.904 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062120.D

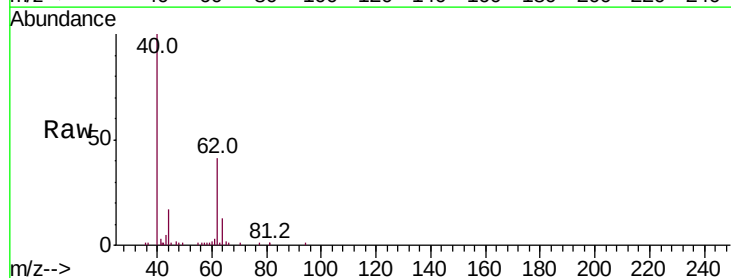
Acq: 23 Mar 2019 16:36

Tgt Ion: 62 Resp: 22405

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

6000

4000

2000

0

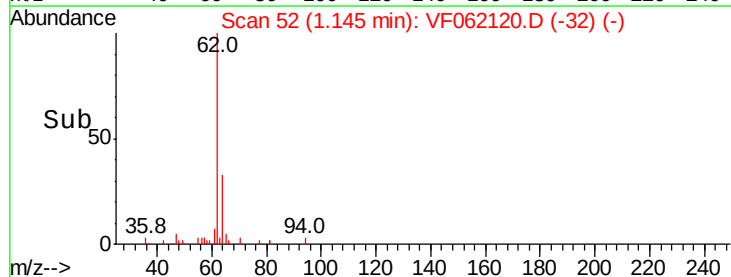
Time-->

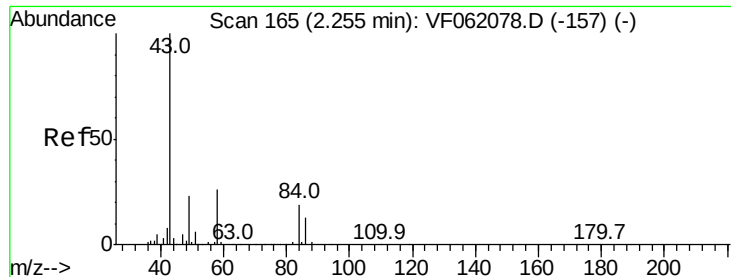
1.00

1.10

1.20

1.30





#16

Acetone

Concen: 52.162 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062120.D

Acq: 23 Mar 2019 16:36

Instrument :

MSVOA_F

ClientSampleId :

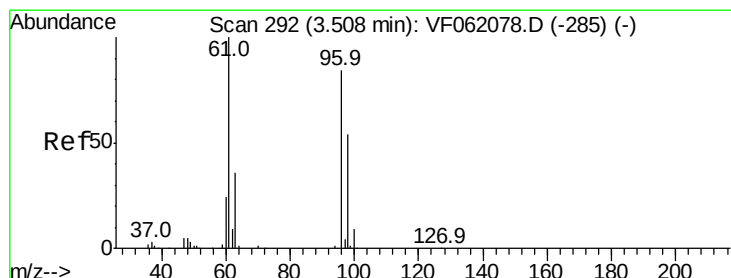
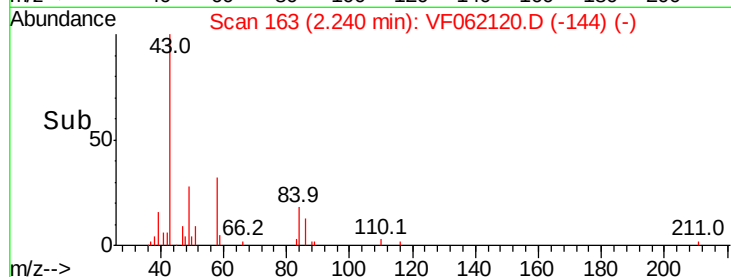
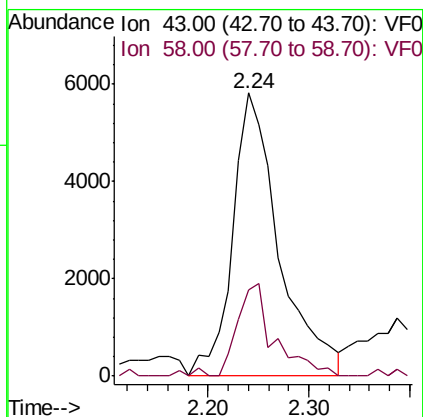
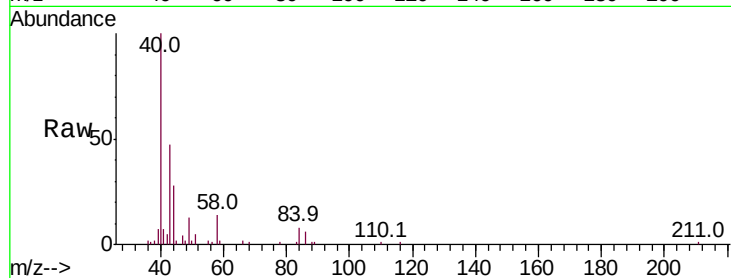
WP022SB439-190318-(25-27)

Tot Ion: 43 Resp: 18669

Ion Ratio Lower Upper

43 100

58 30.3 20.8 31.2



#27

cis-1,2-Dichloroethene

Concen: 1.050 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.03 min

Lab File: VF062120.D

Acq: 23 Mar 2019 16:36

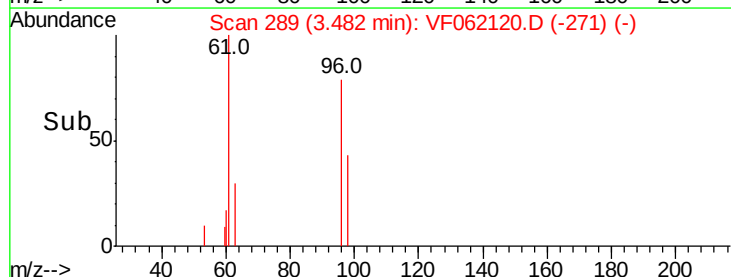
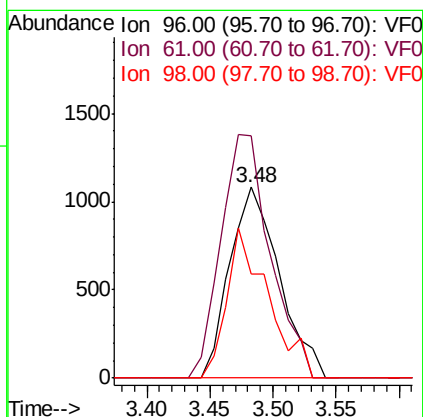
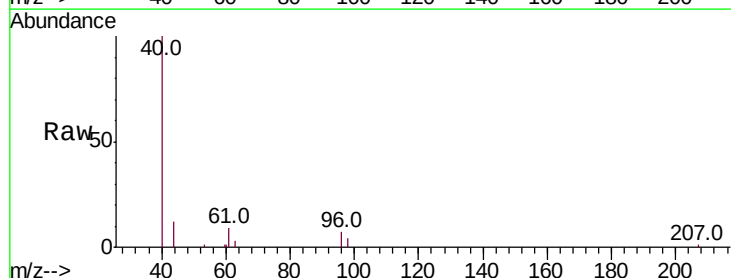
Tgt Ion: 96 Resp: 2951

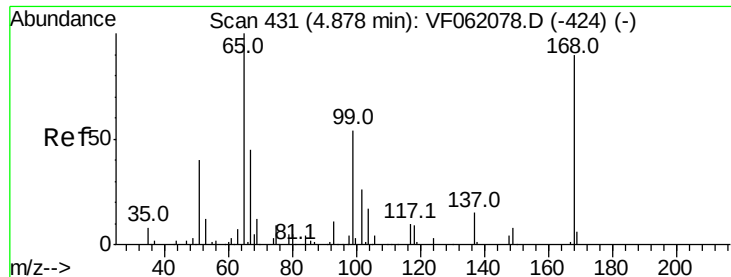
Ion Ratio Lower Upper

96 100

61 127.2 0.0 239.0

98 54.6 0.0 128.2

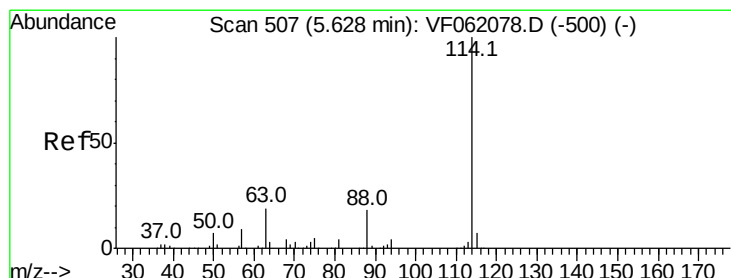
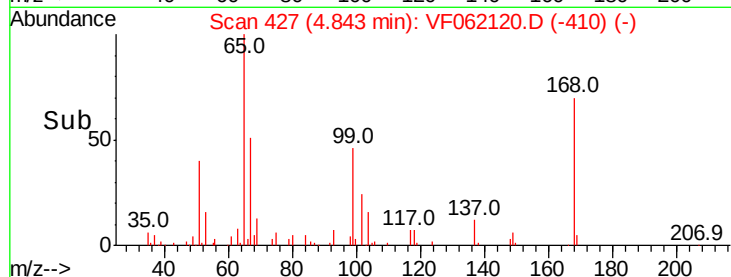
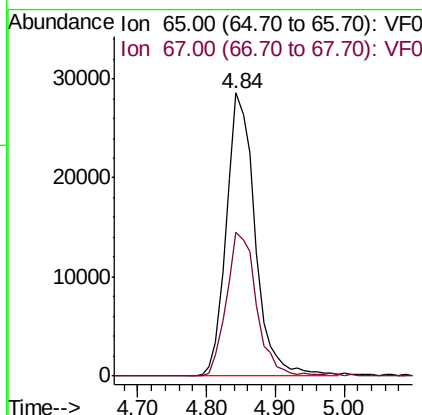
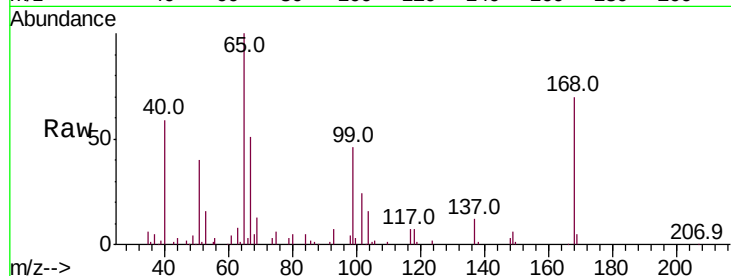




#33
 1,2-Dichloroethane-d4
 Concen: 48.712 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062120.D
 Acq: 23 Mar 2019 16:36

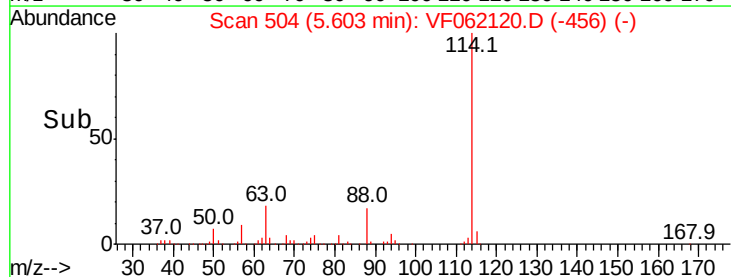
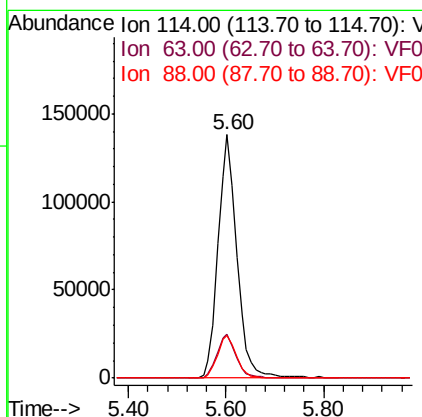
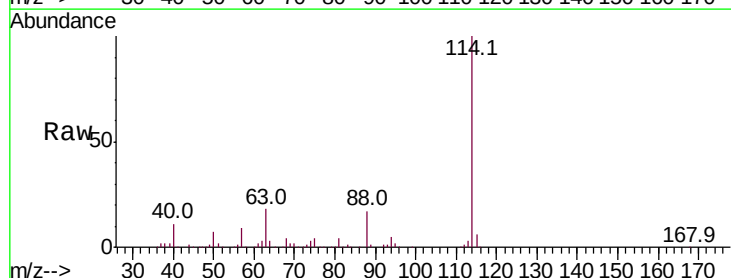
Instrument :
 MSVOA_F
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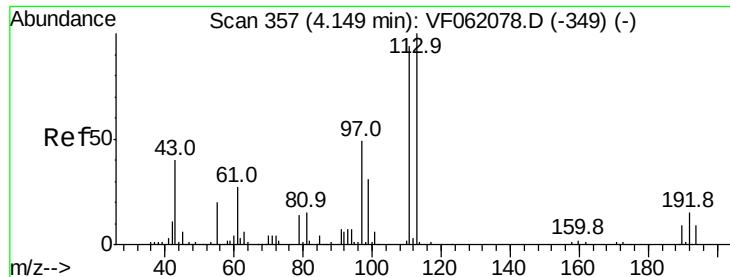
Tot Ion: 65 Resp: 82837
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VF062120.D
 Acq: 23 Mar 2019 16:36

Tgt Ion: 114 Resp: 374024
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.8
 88 17.4 0.0 36.4

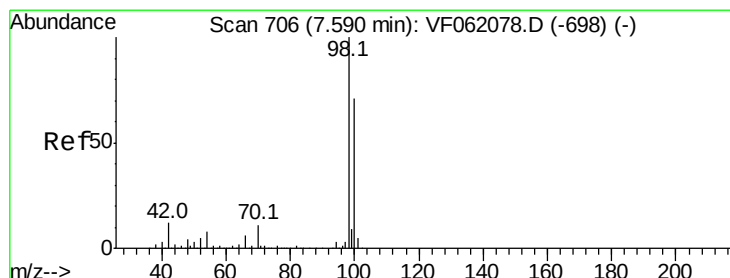
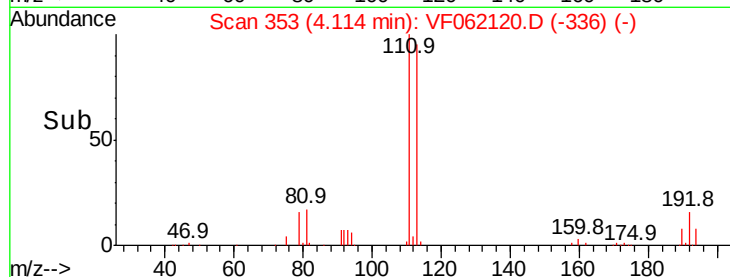
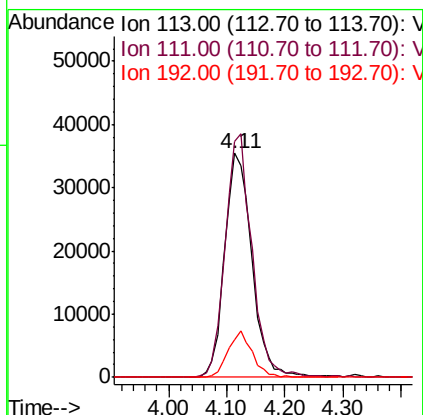
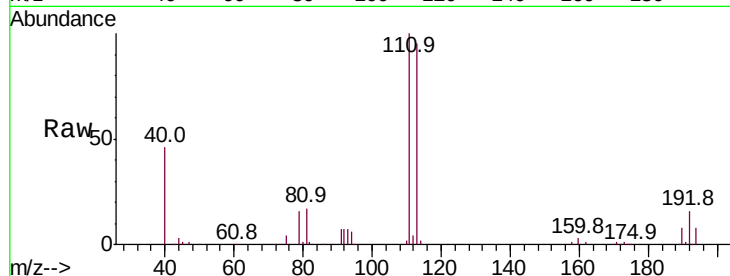




#35
 Dibromofluoromethane
 Concen: 45.811 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF062120.D
 Acq: 23 Mar 2019 16:36

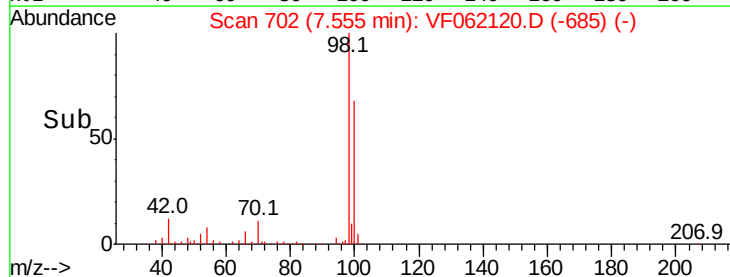
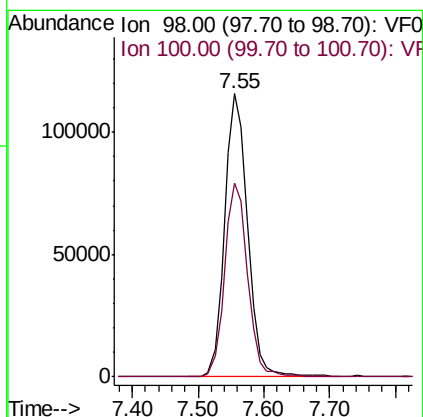
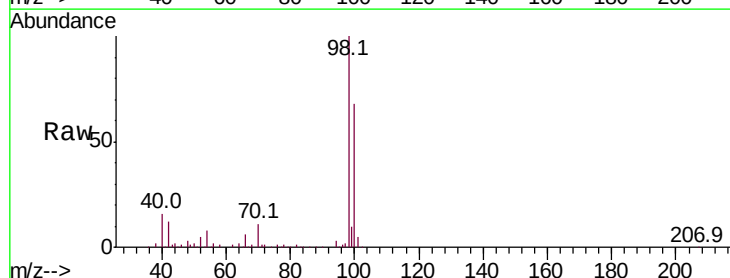
Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB439-190318-(25-27)

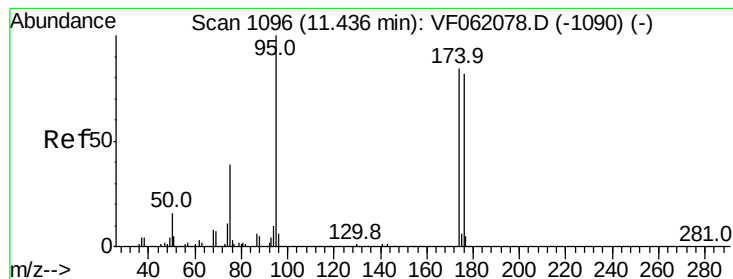
Tot Ion:113 Resp: 115907
 Ion Ratio Lower Upper
 113 100
 111 105.4 75.4 113.0
 192 16.7 12.3 18.5



#50
 Toluene-d8
 Concen: 37.549 ug/l
 RT: 7.55 min Scan# 702
 Delta R.T. -0.04 min
 Lab File: VF062120.D
 Acq: 23 Mar 2019 16:36

Tgt Ion: 98 Resp: 283588
 Ion Ratio Lower Upper
 98 100
 100 68.3 57.0 85.6





#62

4-Bromofluorobenzene

Concen: 36.028 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062120.D

Acq: 23 Mar 2019 16:36

Instrument :

MSVOA_F

ClientSampleId :

WP022SB439-190318-(25-27)

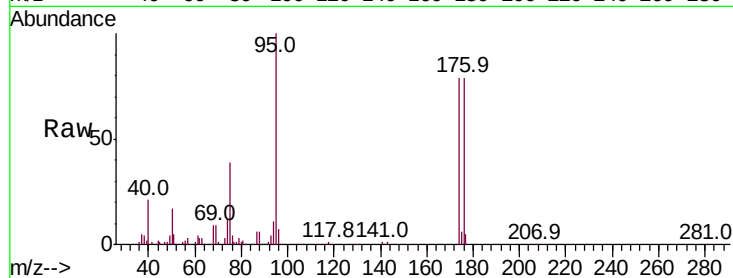
Tot Ion: 95 Resp: 105047

Ion Ratio Lower Upper

95 100

174 79.5 0.0 168.2

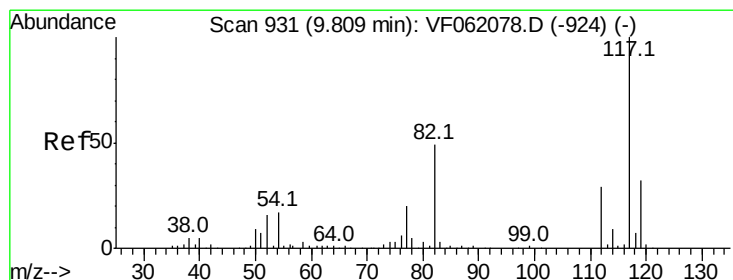
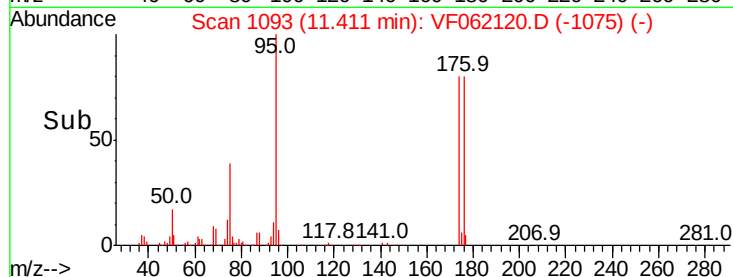
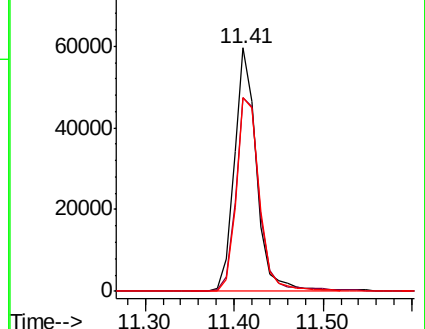
176 79.5 0.0 164.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF062120.D

Acq: 23 Mar 2019 16:36

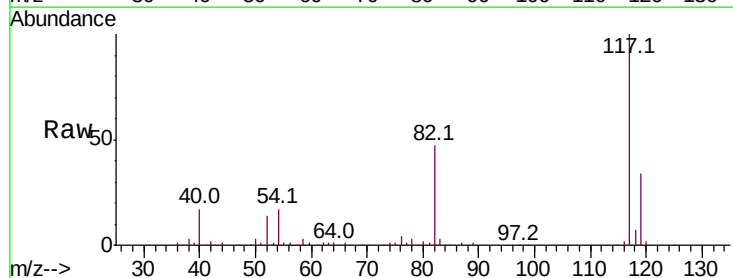
Tgt Ion: 117 Resp: 277403

Ion Ratio Lower Upper

117 100

82 47.0 39.2 58.8

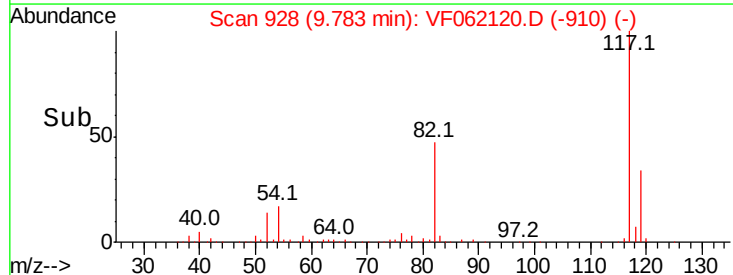
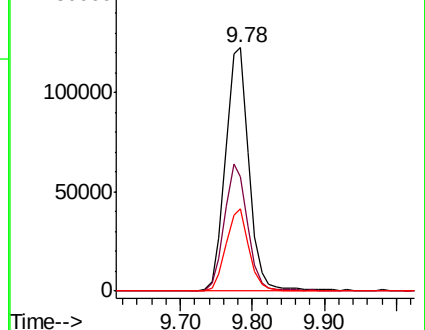
119 34.0 25.4 38.2

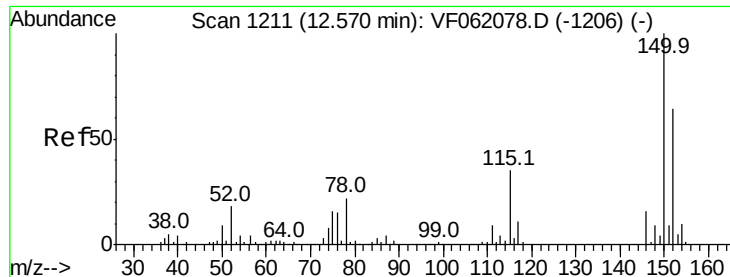


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VF062120.D

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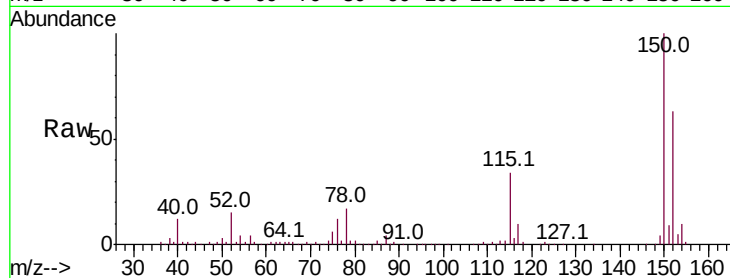
Tot Ion:152 Resp: 119999

Ion Ratio Lower Upper

152 100

115 53.9 27.7 83.1

150 158.4 0.0 313.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

