

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062121.D
 Acq On : 23 Mar 2019 17:05
 Operator : VA/AP
 Sample : K2045-09
 Misc : 6.29g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB438-190318-(25-27)

Quant Time: Mar 25 04:16:09 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

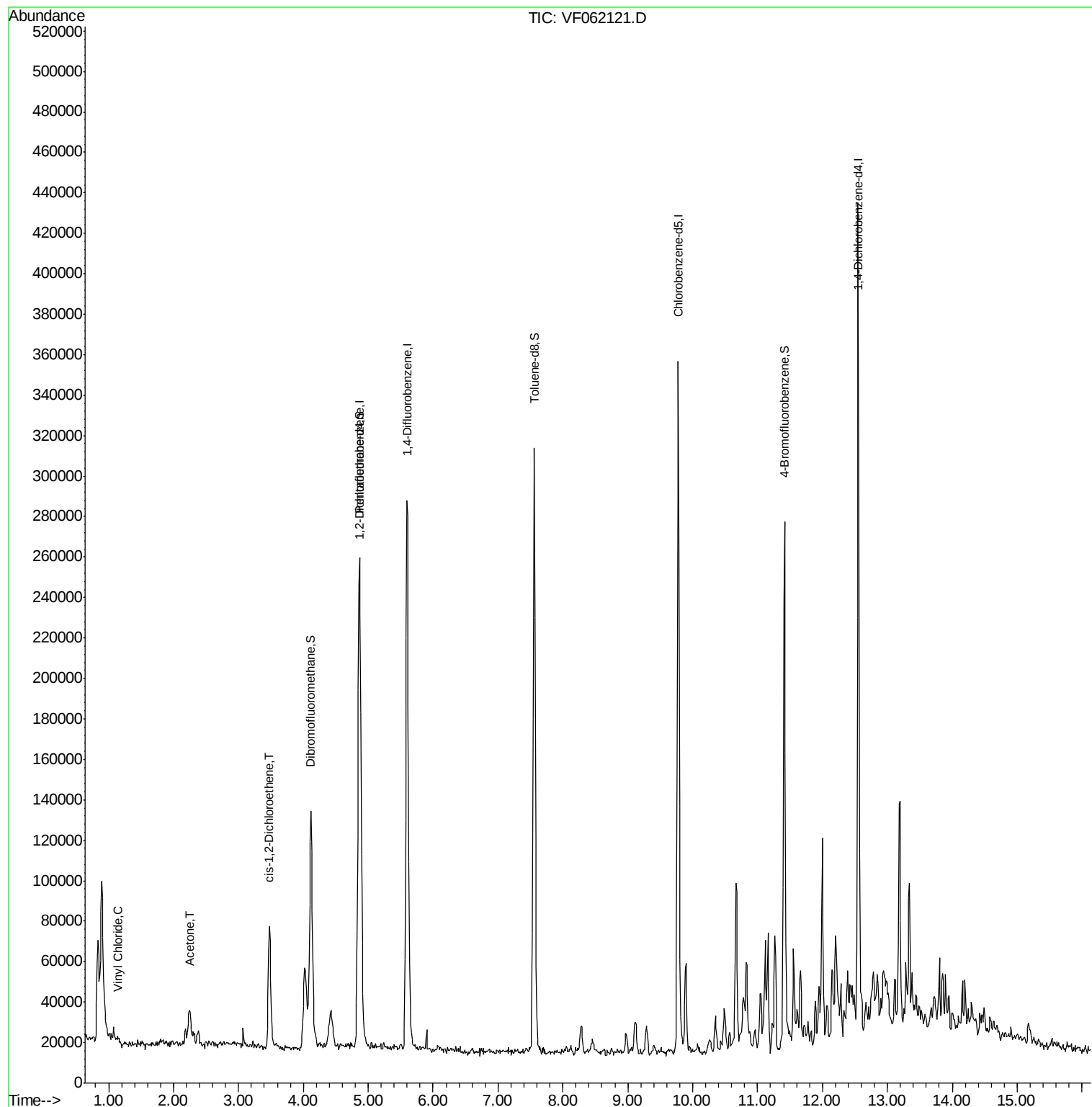
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	221791	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	341829	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	266500	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	112247	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	82813	50.20	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.40%	
35) Dibromofluoromethane	4.12	113	111616	48.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.54%	
50) Toluene-d8	7.56	98	277730	40.24	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.48%	
62) 4-Bromofluorobenzene	11.41	95	103932	39.00	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	78.00%	
Target Compounds						
4) Vinyl Chloride	1.14	62	5050	1.836	ug/l	92
16) Acetone	2.24	43	19626	56.526	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	39001	14.308	ug/l	92

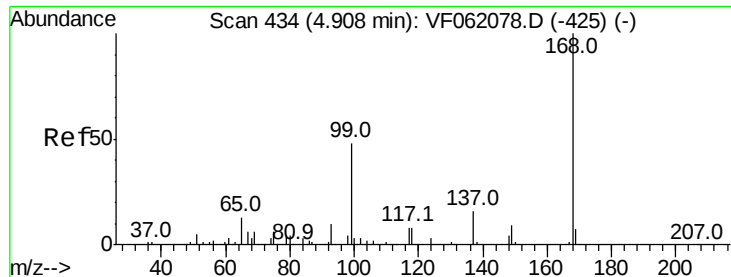
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

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ClientSampleId :

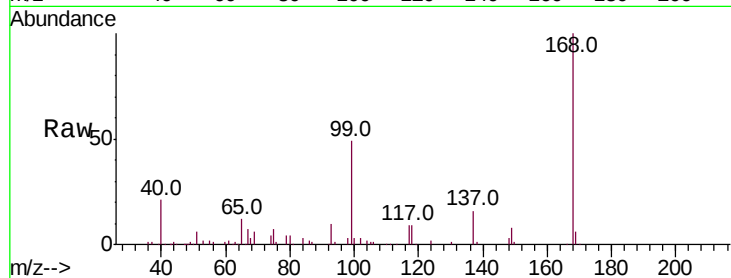
WP022SB438-190318-(25-27)

Tot Ion:168 Resp: 221791

Ion Ratio Lower Upper

168 100

99 49.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

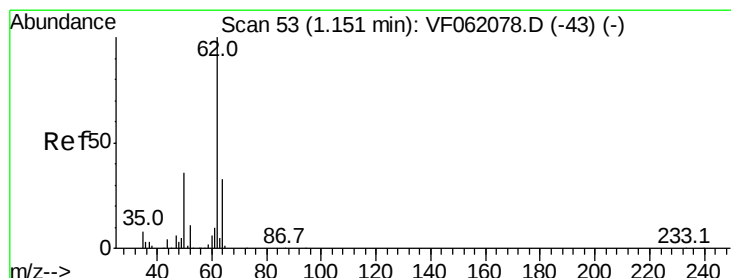
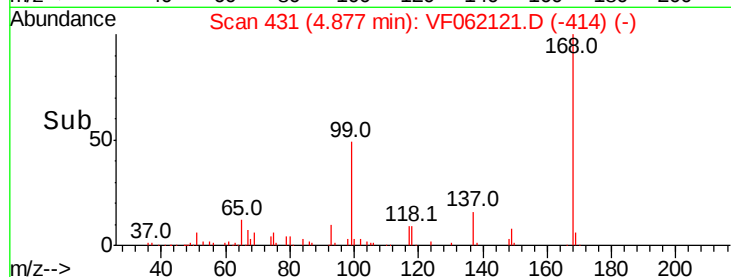
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#4

Vinyl Chloride

Concen: 1.836 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062121.D

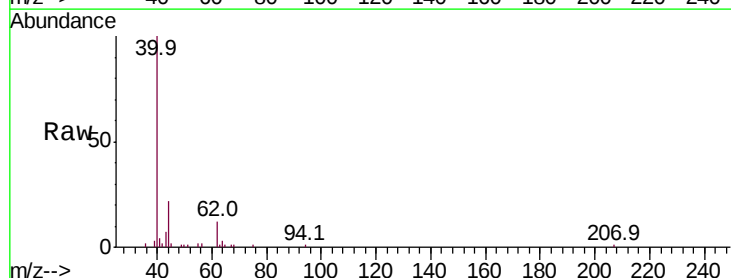
Acq: 23 Mar 2019 17:05

Tgt Ion: 62 Resp: 5050

Ion Ratio Lower Upper

62 100

64 28.1 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.14

1500

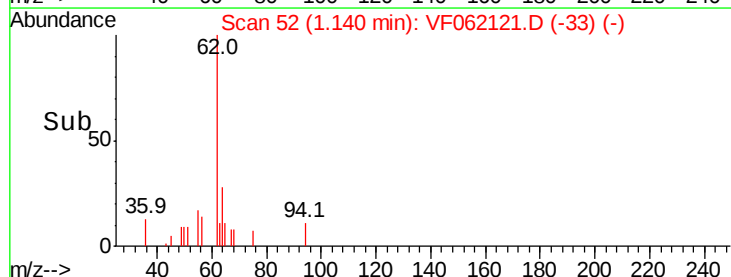
1000

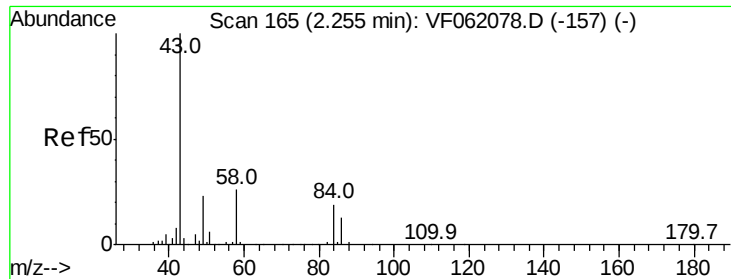
500

0

Time-->

1.00 1.10 1.20 1.30





#16

Acetone

Concen: 56.526 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

Instrument :

MSVOA_F

ClientSampleId :

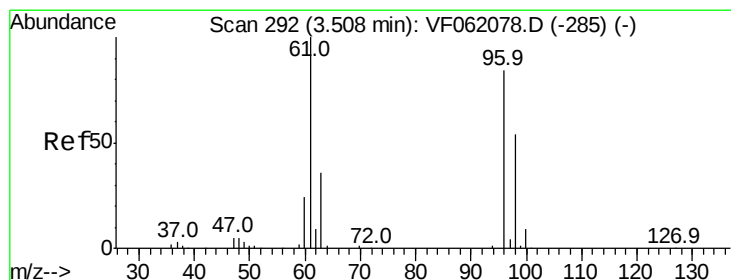
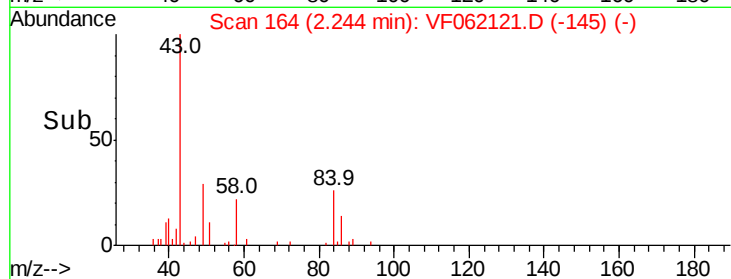
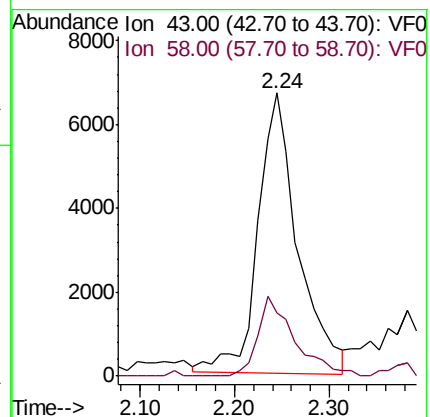
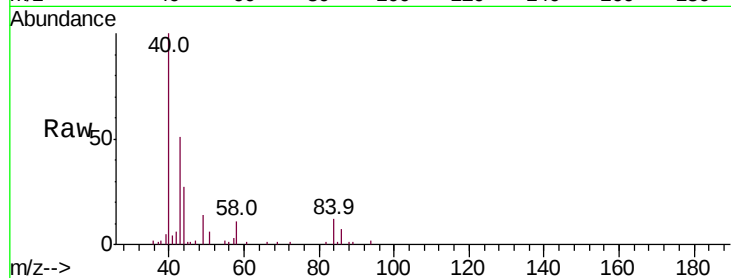
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Tot Ion: 43 Resp: 19626

Ion Ratio Lower Upper

43 100

58 22.4 20.8 31.2



#27

cis-1,2-Dichloroethene

Concen: 14.308 ug/l

RT: 3.48 min Scan# 289

Delta R.T. -0.03 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

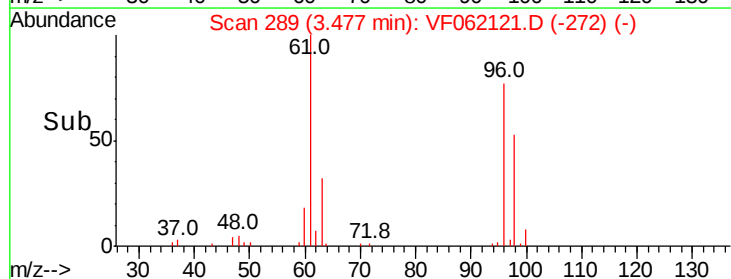
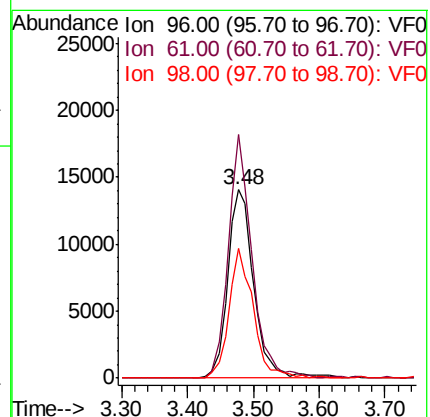
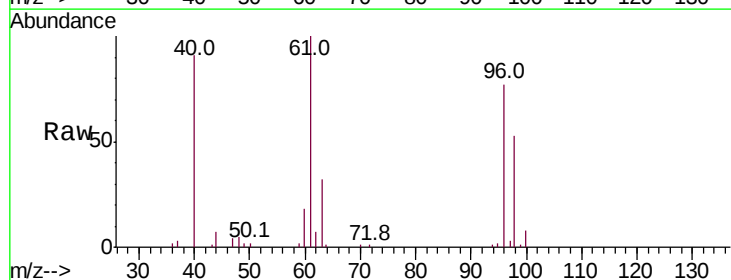
Tgt Ion: 96 Resp: 39001

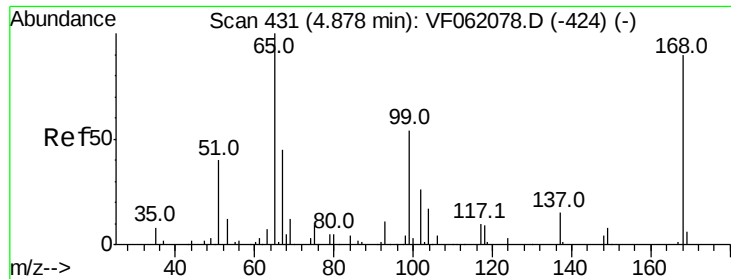
Ion Ratio Lower Upper

96 100

61 129.3 0.0 239.0

98 68.9 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 50.199 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

Instrument :

MSVOA_F

ClientSampleId :

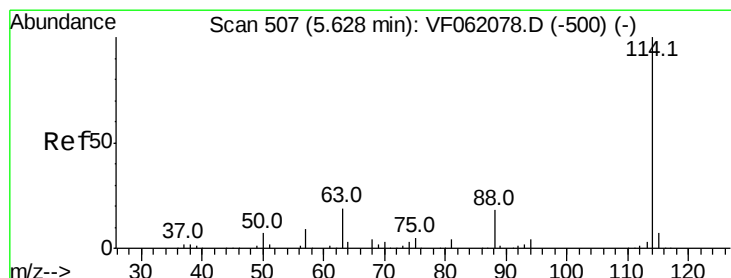
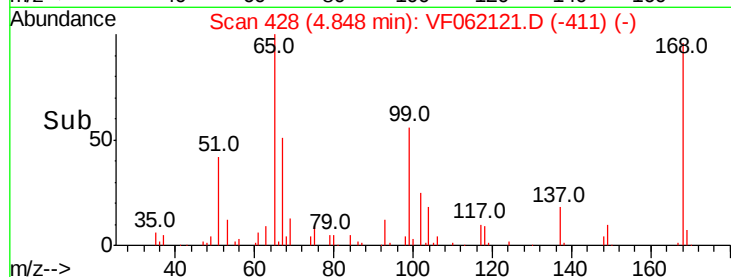
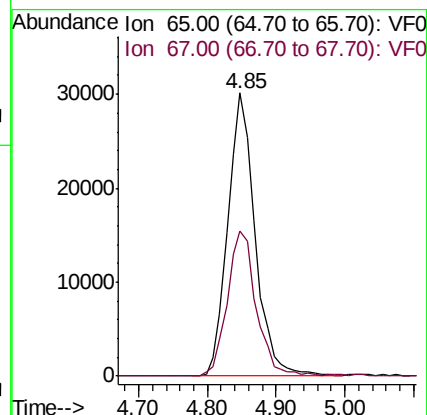
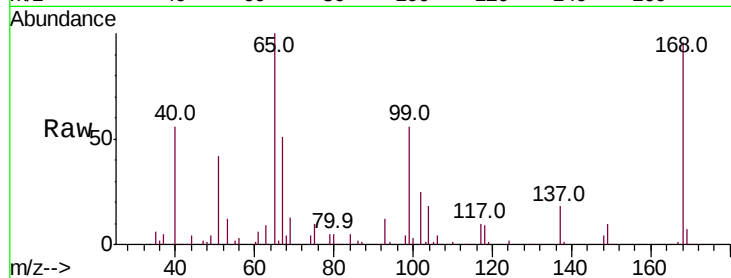
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Tot Ion: 65 Resp: 82813

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.02 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

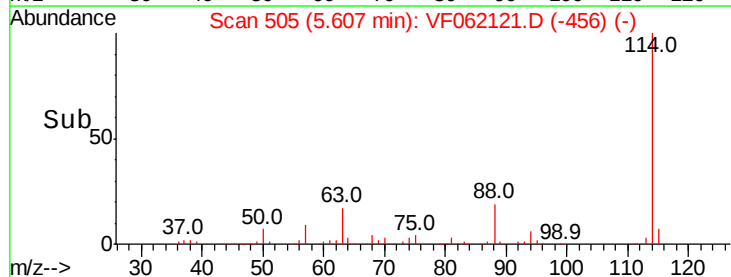
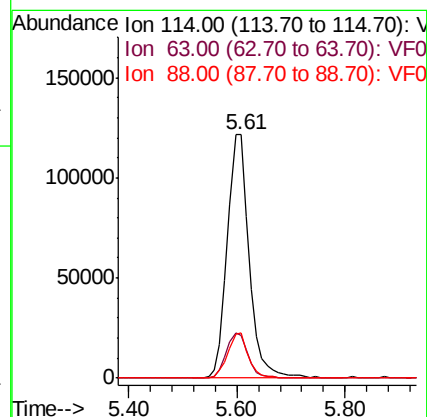
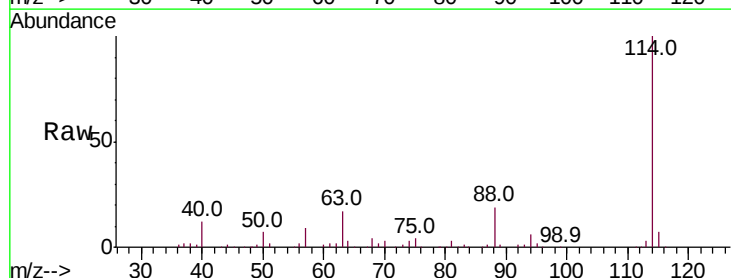
Tgt Ion: 114 Resp: 341829

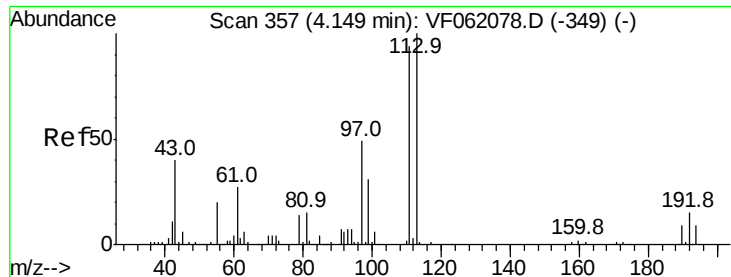
Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.8

88 18.6 0.0 36.4





#35

Dibromofluoromethane

Concen: 48.270 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

Instrument :

MSVOA_F

ClientSampleId :

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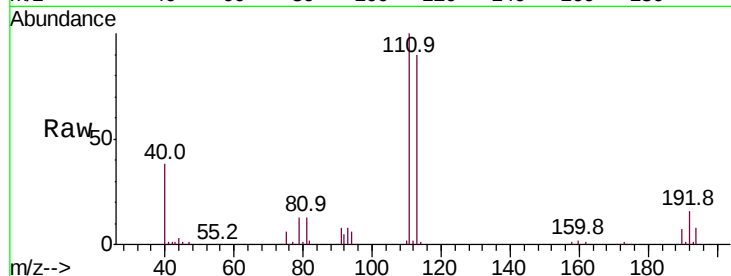
Tot Ion:113 Resp: 111616

Ion Ratio Lower Upper

113 100

111 111.3 75.4 113.0

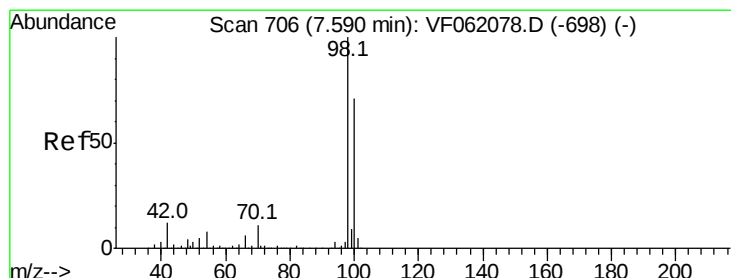
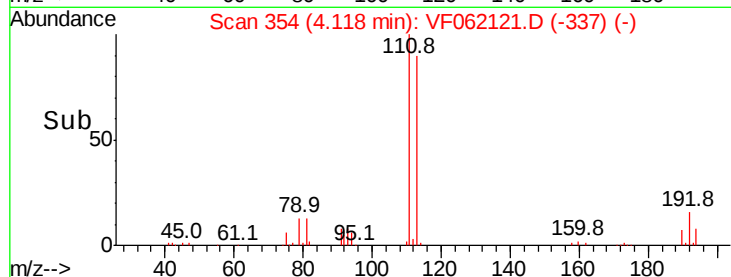
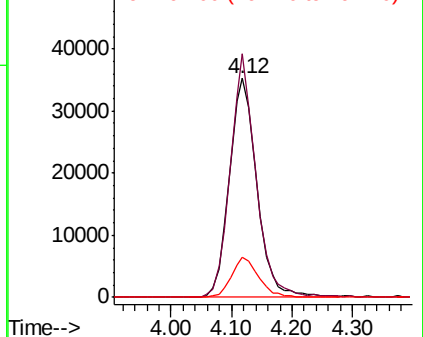
192 18.1 12.3 18.5



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: 40.237 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF062121.D

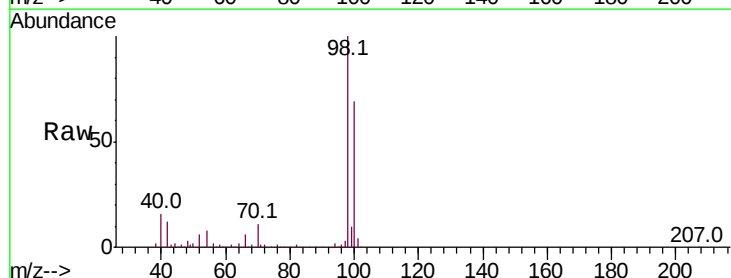
Acq: 23 Mar 2019 17:05

Tgt Ion: 98 Resp: 277730

Ion Ratio Lower Upper

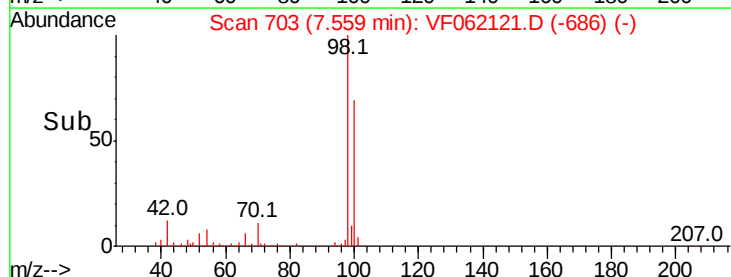
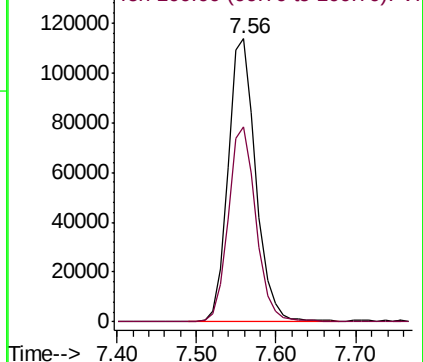
98 100

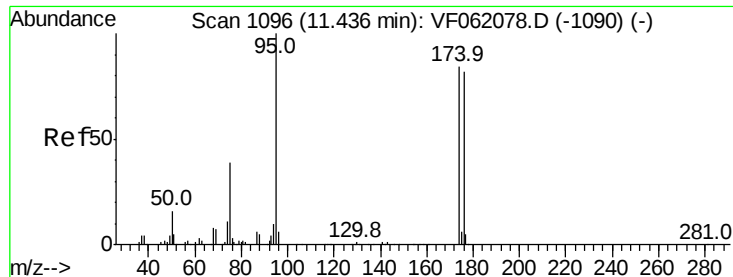
100 69.0 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 39.003 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF062121.D

Acq: 23 Mar 2019 17:05

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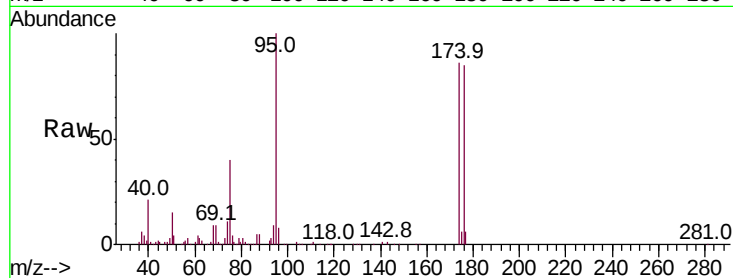
Tot Ion: 95 Resp: 103932

Ion Ratio Lower Upper

95 100

174 85.9 0.0 168.2

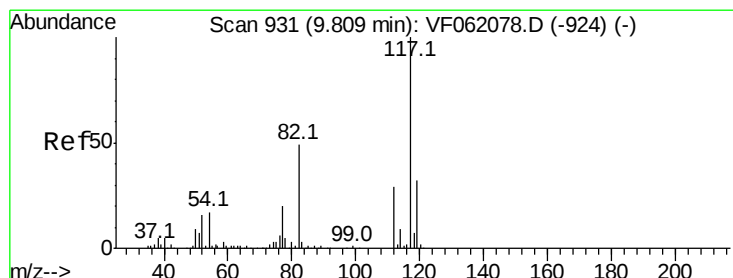
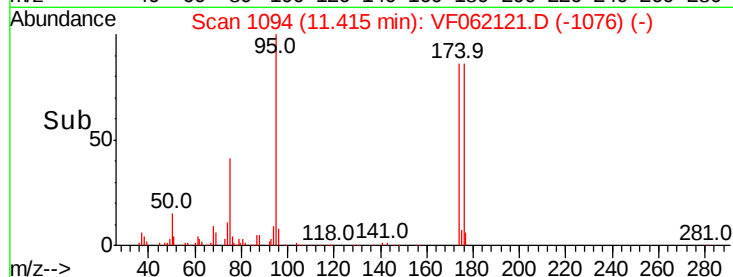
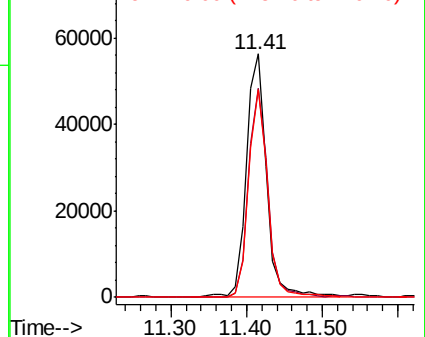
176 85.2 0.0 164.2



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: VF062121.D

Acq: 23 Mar 2019 17:05

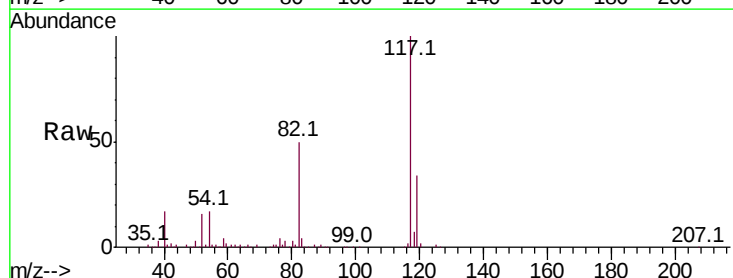
Tgt Ion: 117 Resp: 266500

Ion Ratio Lower Upper

117 100

82 50.2 39.2 58.8

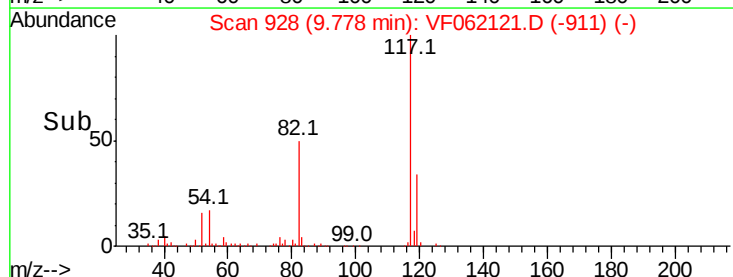
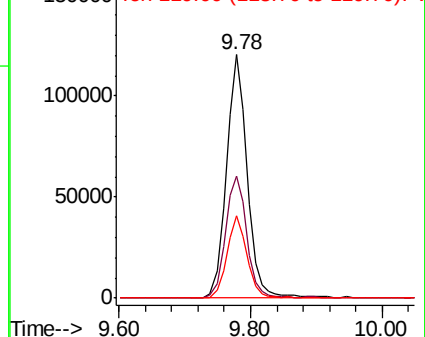
119 33.7 25.4 38.2

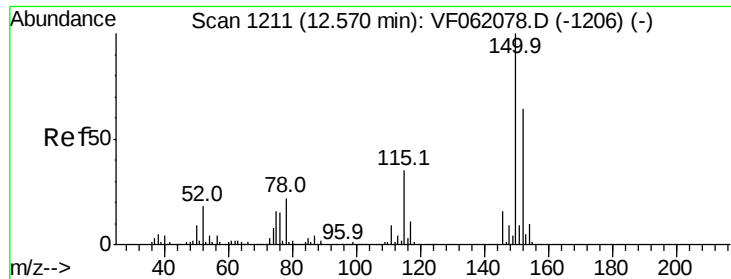


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF062121.D

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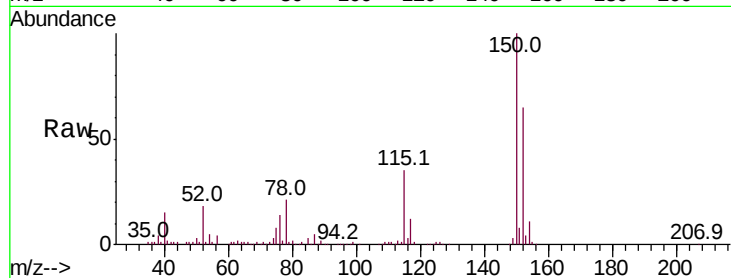
Tot Ion:152 Resp: 112247

Ion Ratio Lower Upper

152 100

115 54.3 27.7 83.1

150 153.5 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

