

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062301.D
 Acq On : 25 Apr 2019 19:26
 Operator : FY/SY
 Sample : K2198-07
 Misc : 6.10g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-01-042519

Quant Time: Apr 26 01:35:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

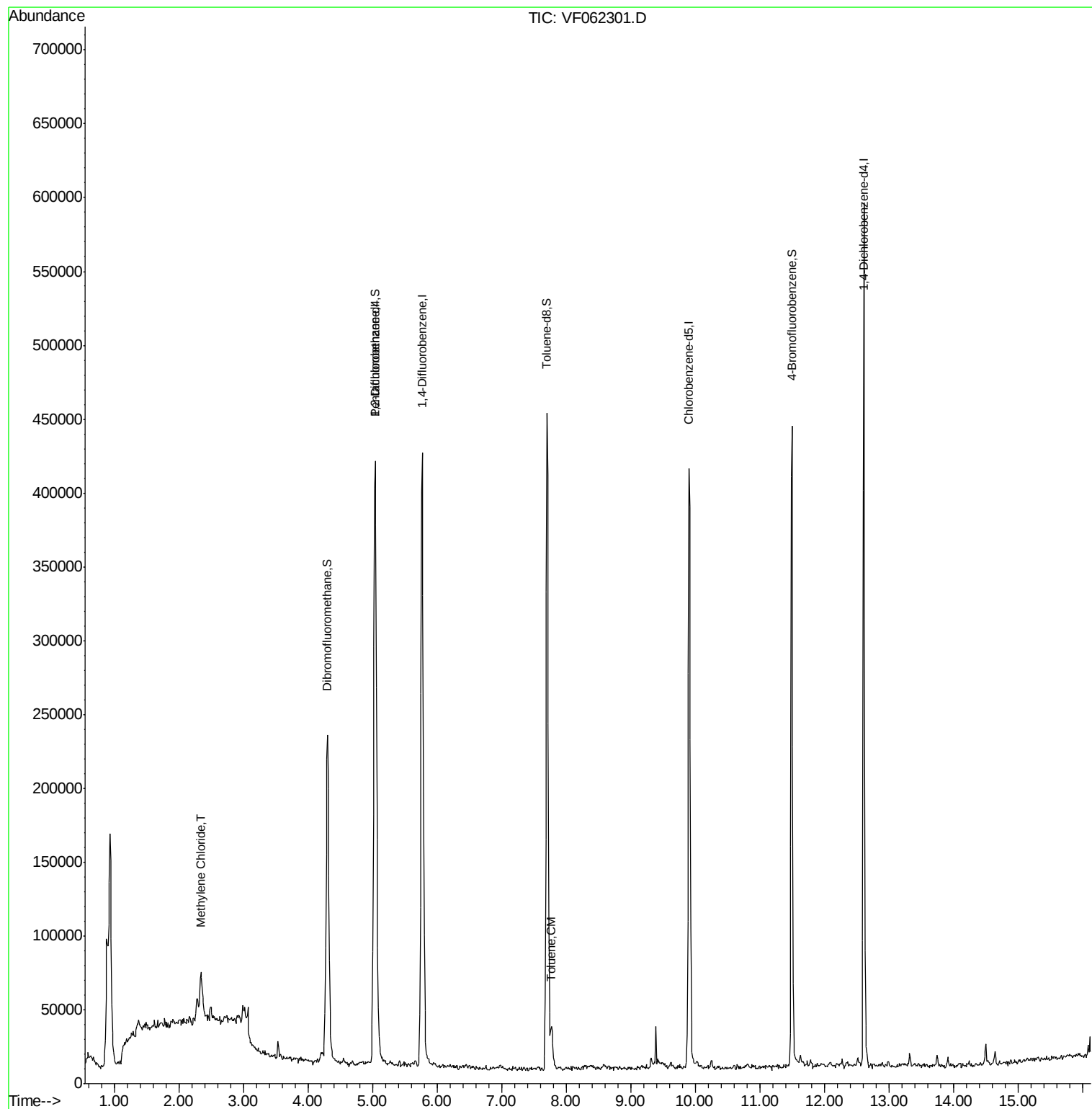
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	327562	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	485104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	313331	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	158212	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	176232	66.42	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	132.84%	
35) Dibromofluoromethane	4.30	113	211194	58.72	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.44%	
50) Toluene-d8	7.70	98	387543	44.11	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.22%	
62) 4-Bromofluorobenzene	11.49	95	158322	43.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.44%	
Target Compounds						
20) Methylene Chloride	2.34	84	22184m	3.879	ug/l	Qvalue
52) Toluene	7.77	92	13600	2.180	ug/l	95

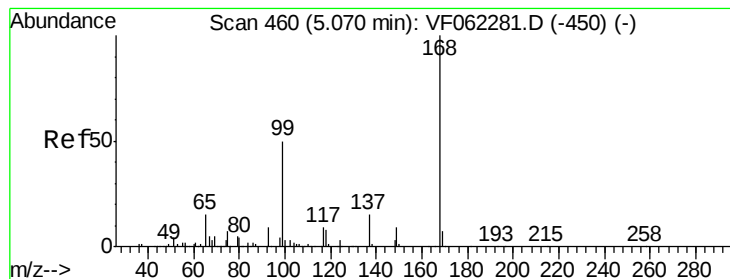
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

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MSVOA_F

ClientSampleId :

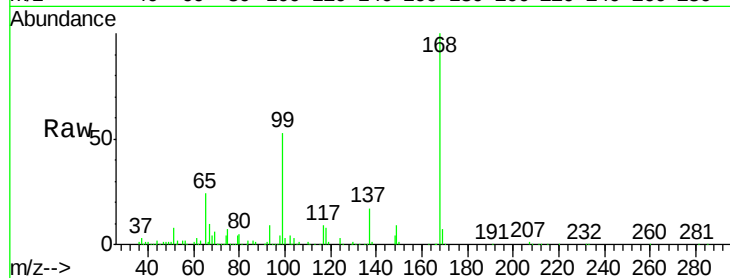
OK-01-042519

Tot Ion:168 Resp: 327562

Ion Ratio Lower Upper

168 100

99 53.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

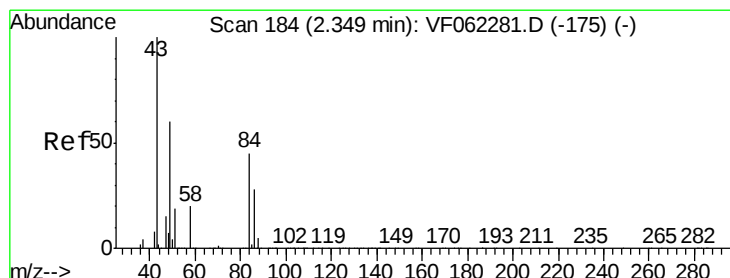
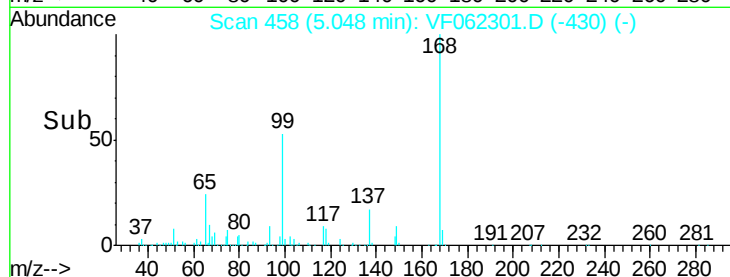
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 3.879 ug/l m

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

Tgt Ion: 84 Resp: 22184

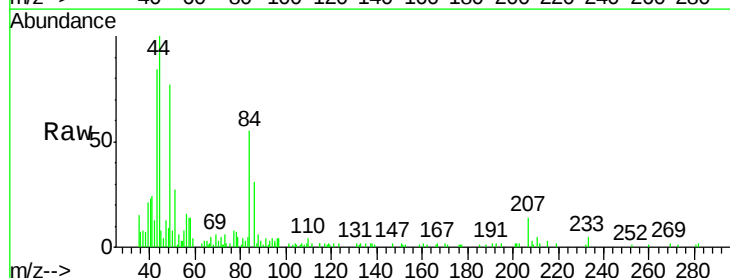
Ion Ratio Lower Upper

84 100

49 140.2 112.1 168.1

51 48.6 35.9 53.9

86 56.8 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

10000

8000

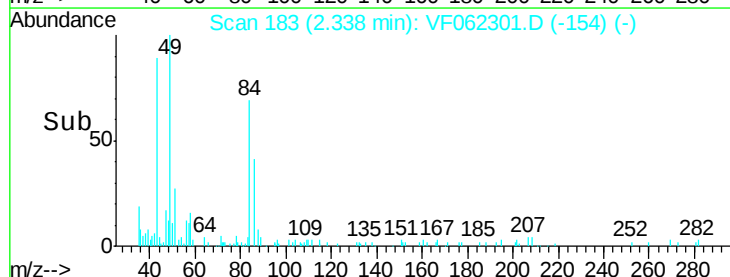
6000

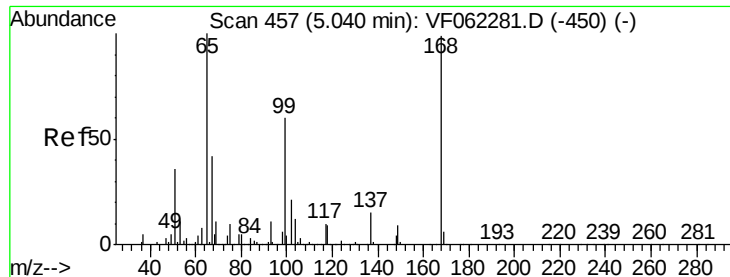
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 66.420 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

Instrument :

MSVOA_F

ClientSampleId :

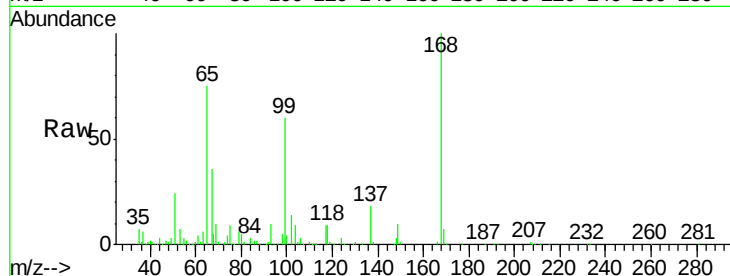
OK-01-042519

Tot Ion: 65 Resp: 176232

Ion Ratio Lower Upper

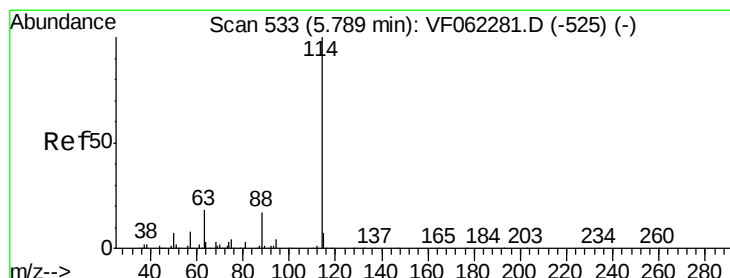
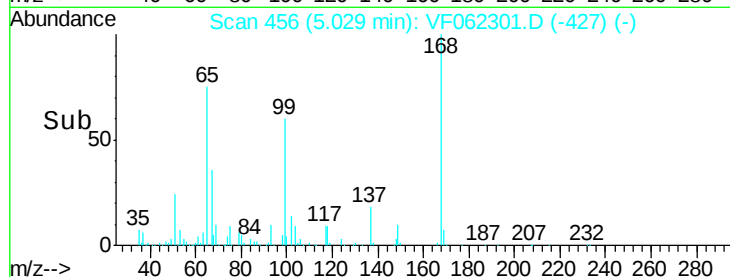
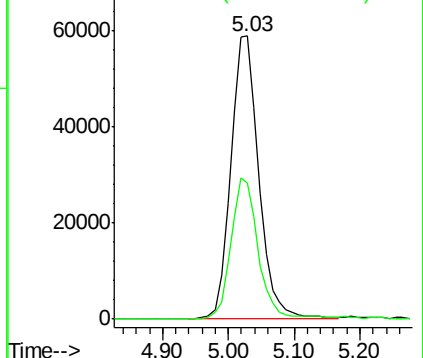
65 100

67 48.6 0.0 98.8



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: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

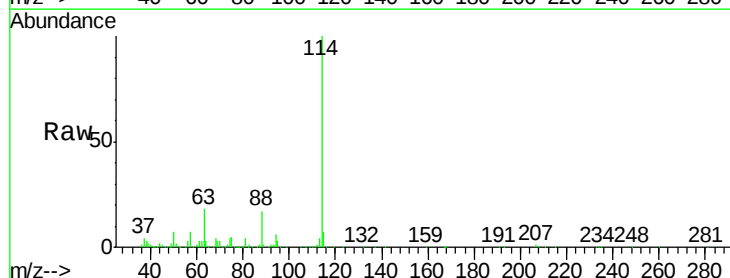
Tgt Ion: 114 Resp: 485104

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

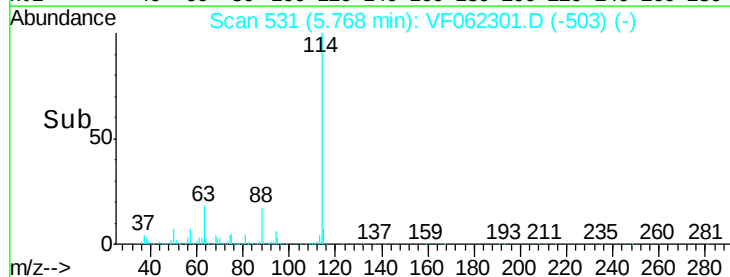
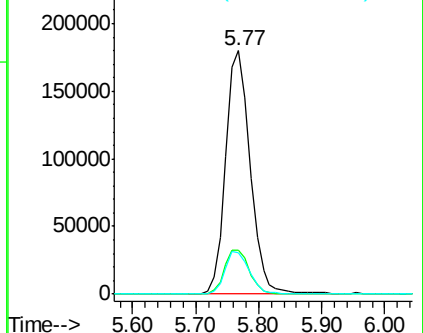
88 16.9 0.0 34.6

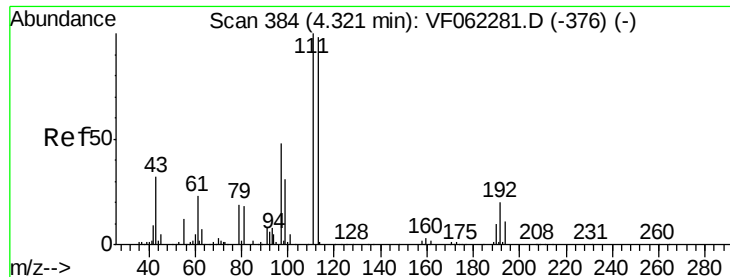


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 58.717 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

Instrument :

MSVOA_F

ClientSampleId :

OK-01-042519

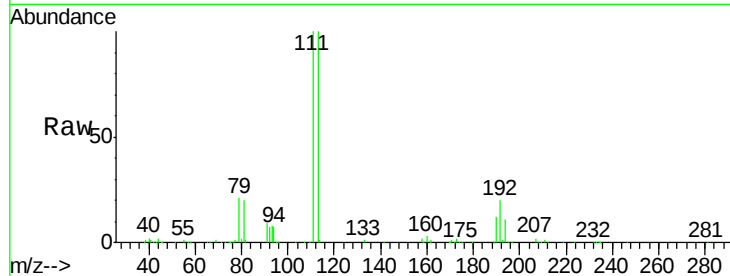
Tot Ion:113 Resp: 211194

Ion Ratio Lower Upper

113 100

111 99.6 81.4 122.2

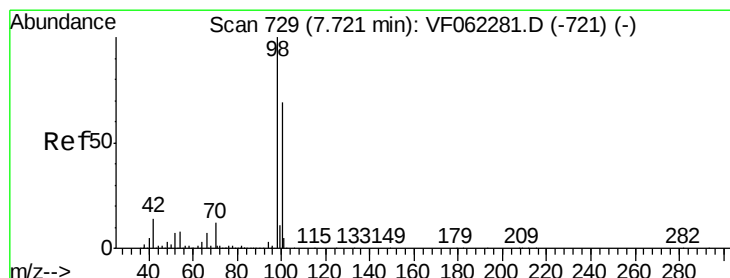
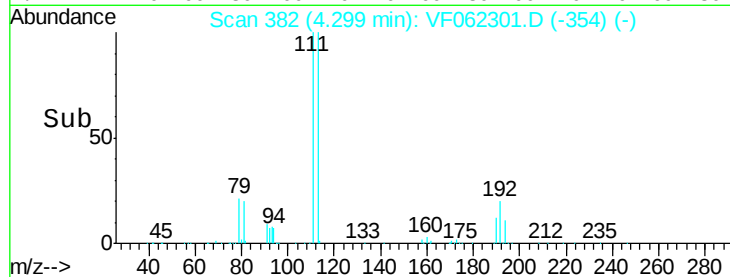
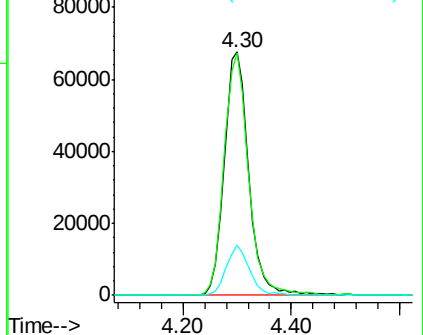
192 19.9 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 44.111 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF062301.D

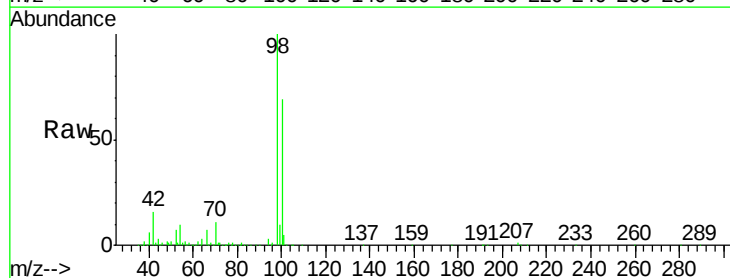
Acq: 25 Apr 2019 19:26

Tgt Ion: 98 Resp: 387543

Ion Ratio Lower Upper

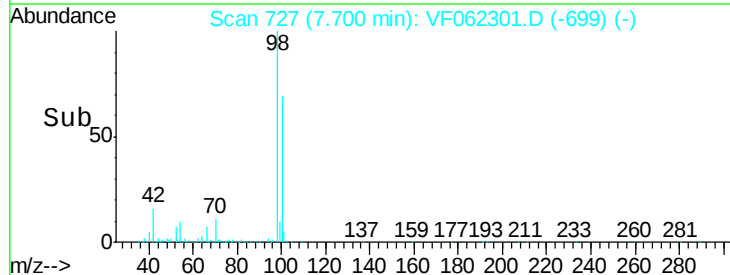
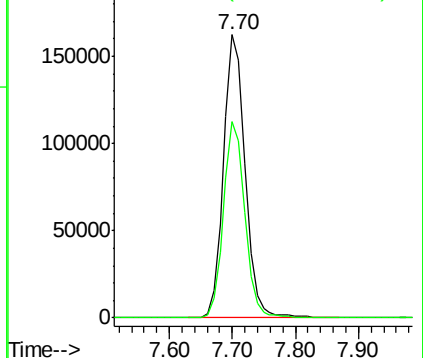
98 100

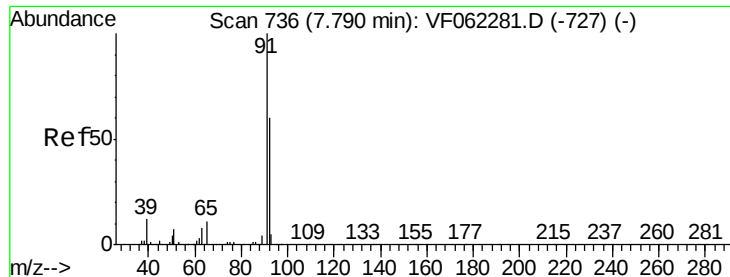
100 68.5 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 2.180 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

Instrument :

MSVOA_F

ClientSampleId :

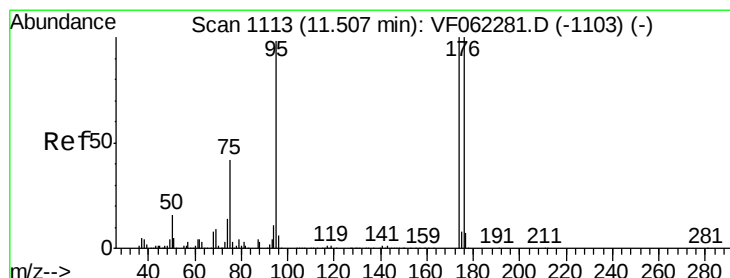
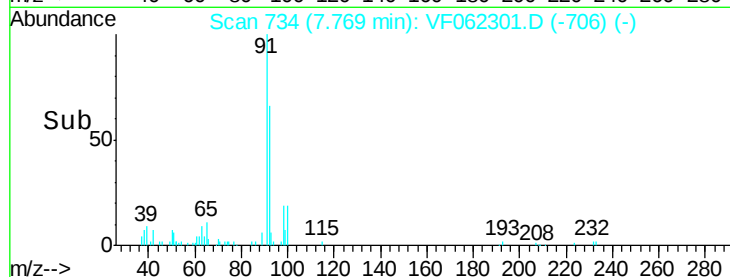
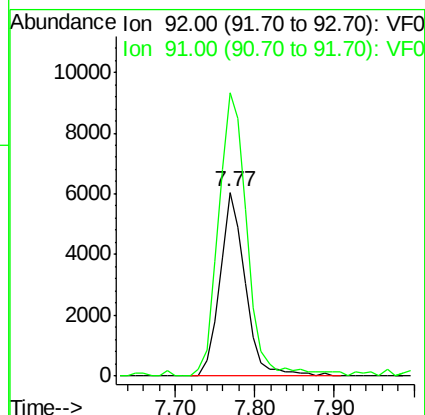
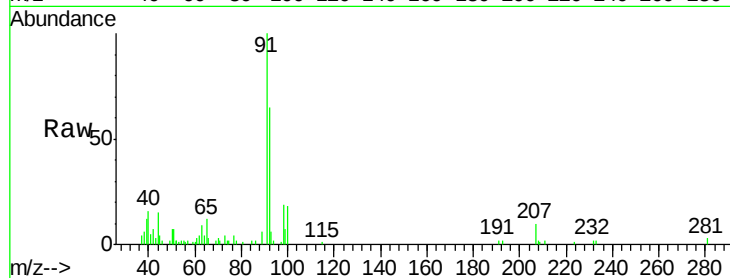
OK-01-042519

Tot Ion: 92 Resp: 13600

Ion Ratio Lower Upper

92 100

91 171.7 132.5 198.7



#62

4-Bromofluorobenzene

Concen: 43.720 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062301.D

Acq: 25 Apr 2019 19:26

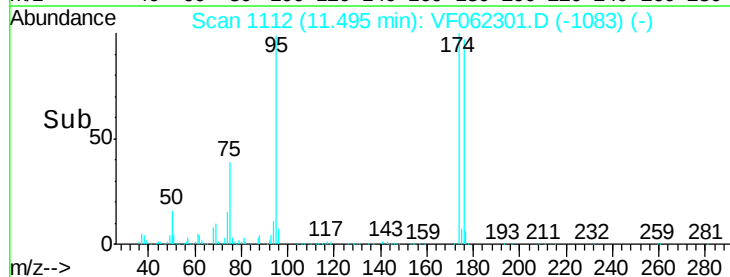
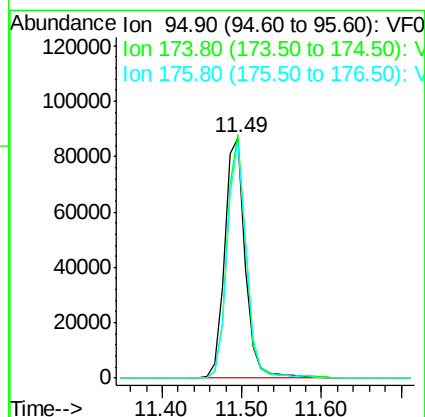
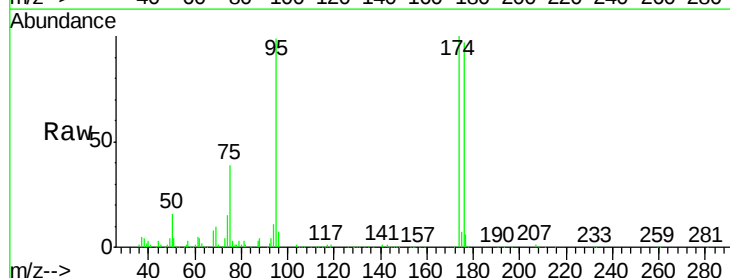
Tgt Ion: 95 Resp: 158322

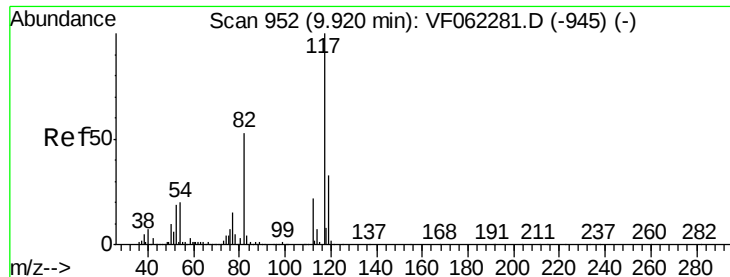
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

176 92.4 0.0 184.8

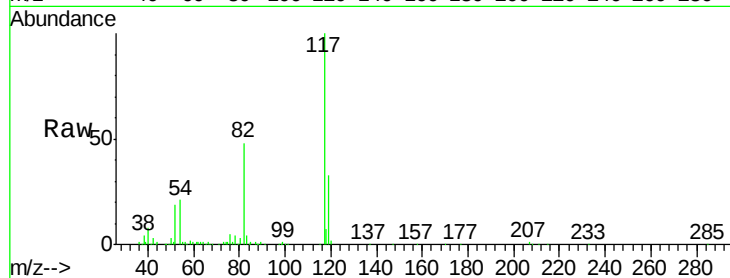




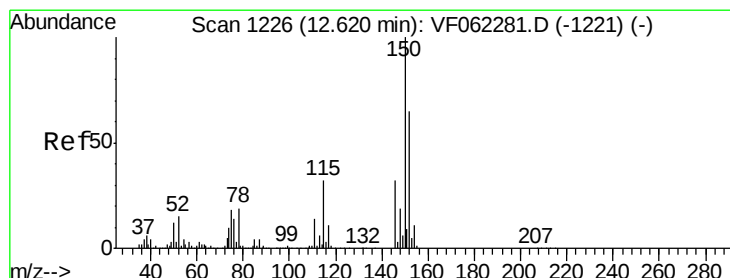
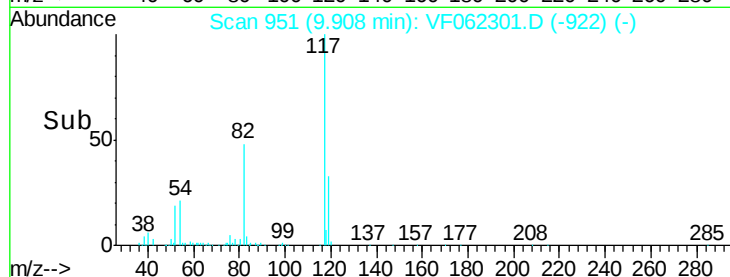
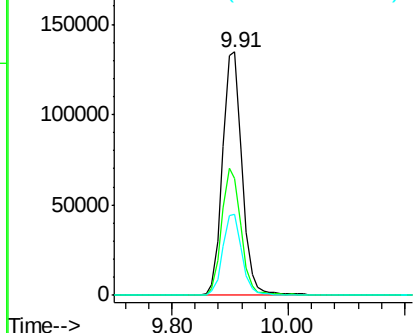
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062301.D
Acq: 25 Apr 2019 19:26

Instrument :
MSVOA_F
ClientSampleId :
OK-01-042519

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.1	42.6	64.0
119	33.1	26.1	39.1

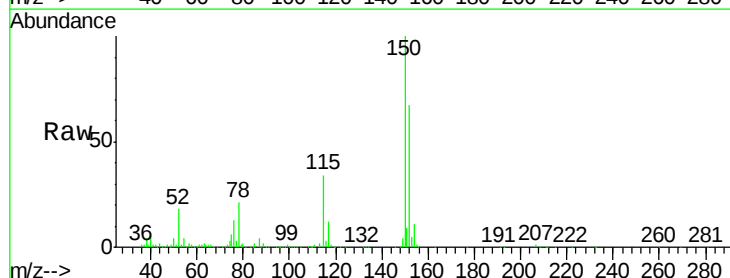


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062301.D
Acq: 25 Apr 2019 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.7	25.6	76.8
150	150.9	0.0	330.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

