

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062765.D
 Acq On : 28 May 2019 17:26
 Operator : FY/SY
 Sample : K3054-05
 Misc : 13.94g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC4A-052419

Quant Time: May 29 02:21:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	759027	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	1295074	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	982814	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	366214	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	229717	42.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.66%	
35) Dibromofluoromethane	4.34	113	428230	43.21	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.42%	
50) Toluene-d8	7.74	98	967599	40.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	81.78%	
62) 4-Bromofluorobenzene	11.51	95	330478	36.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	73.66%	

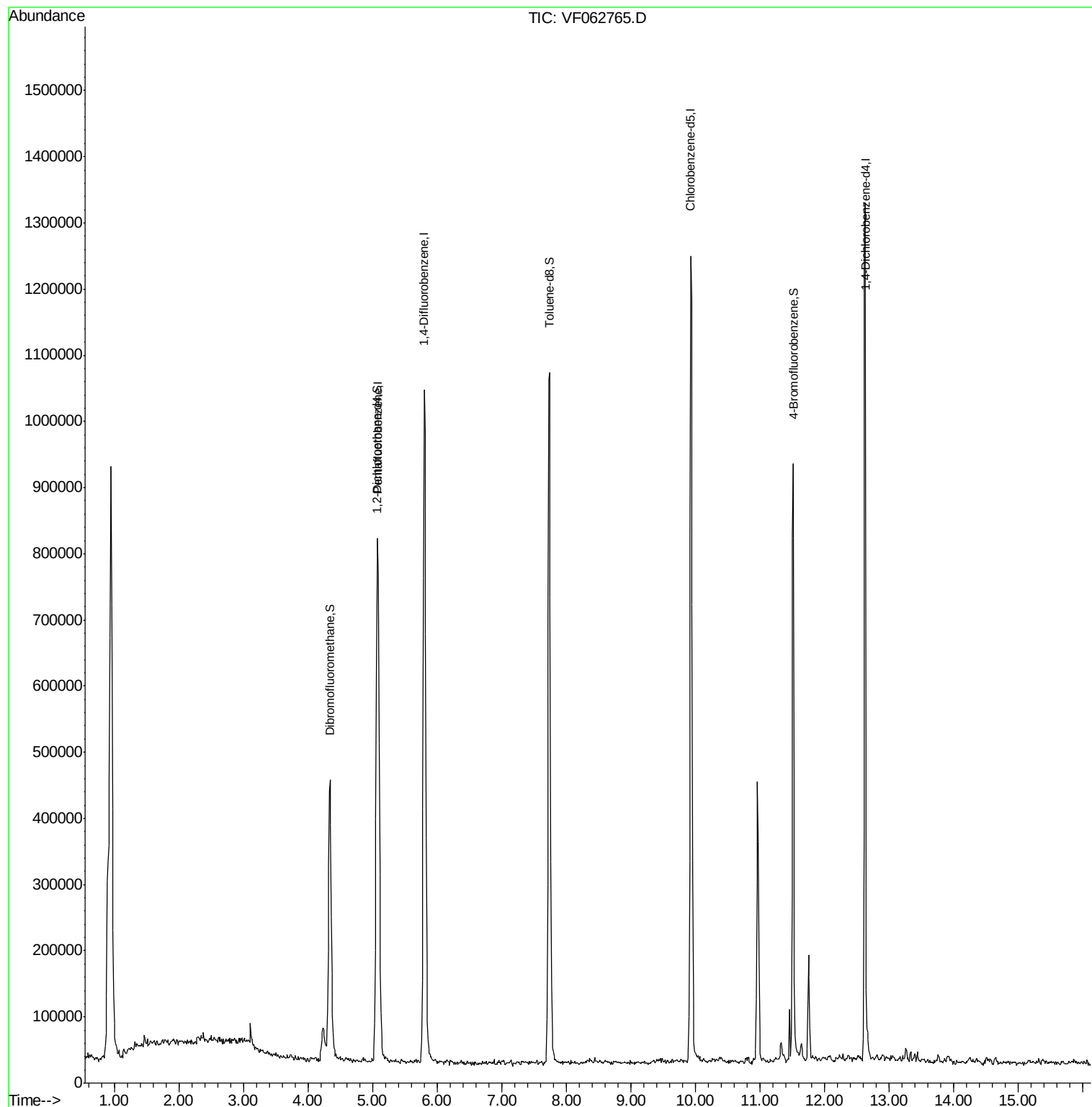
Target Compounds	Qvalue

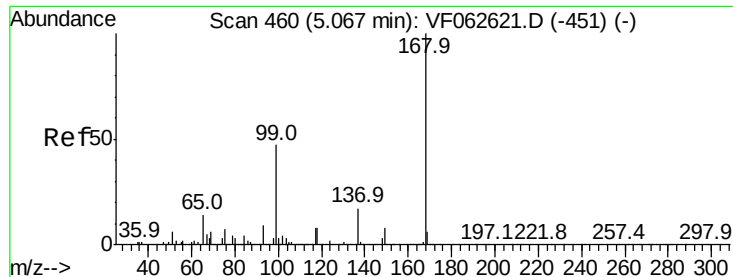
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.02 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

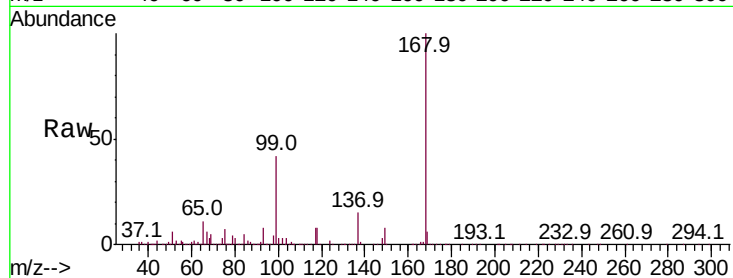
CULVER-CBTC-WC4A-052419

Tot Ion:168 Resp: 759027

Ion Ratio Lower Upper

168 100

99 42.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.09

250000

200000

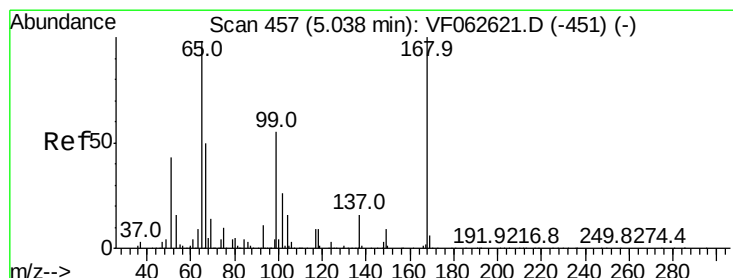
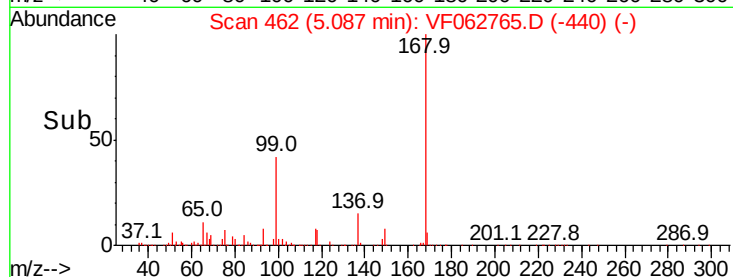
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 42.828 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062765.D

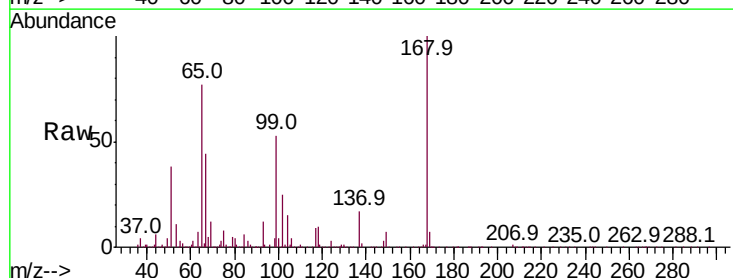
Acq: 28 May 2019 17:26

Tgt Ion: 65 Resp: 229717

Ion Ratio Lower Upper

65 100

67 56.8 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

100000

80000

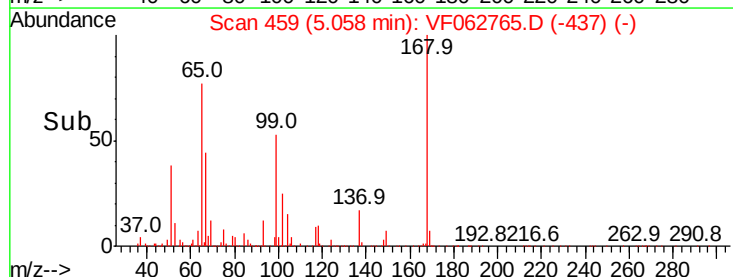
60000

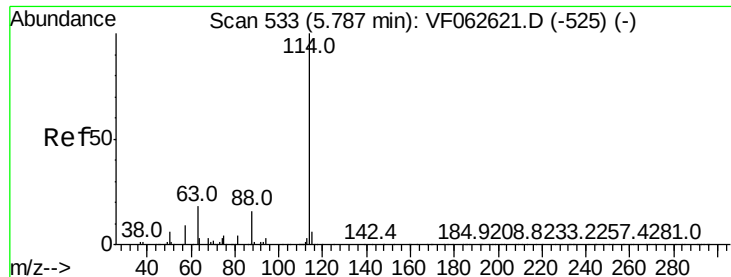
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC4A-052419

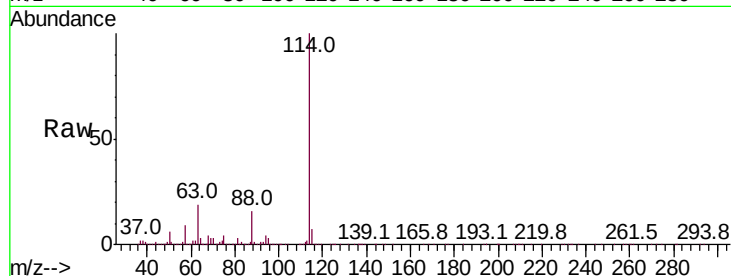
Tot Ion:114 Resp: 1295074

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.4

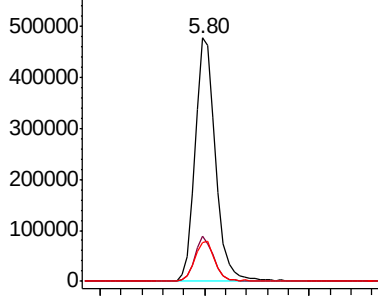
88 15.8 0.0 32.4



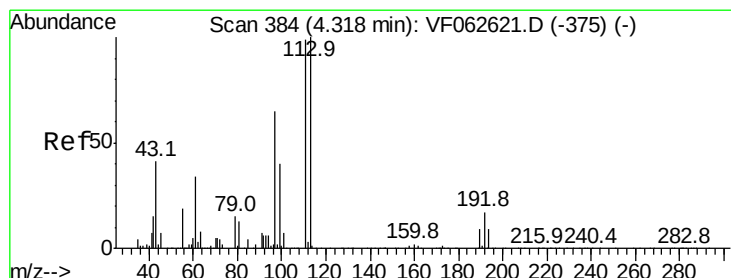
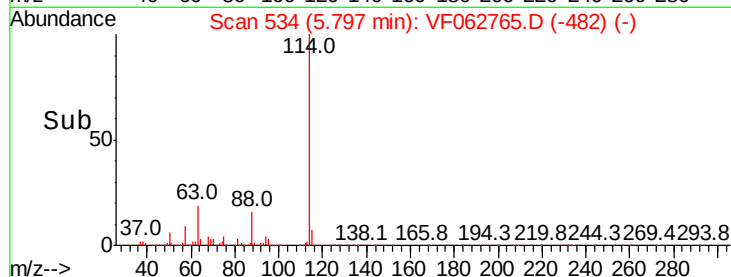
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



Time-->



#35

Dibromofluoromethane

Concen: 43.212 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.02 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

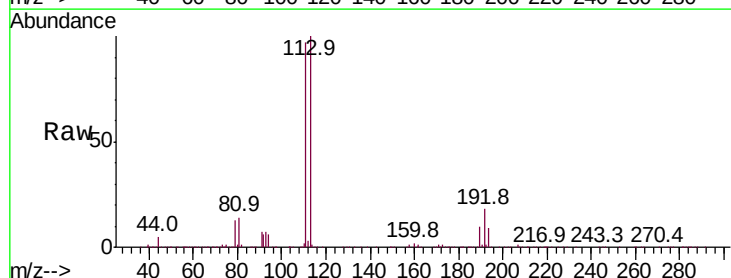
Tgt Ion:113 Resp: 428230

Ion Ratio Lower Upper

113 100

111 96.9 79.4 119.2

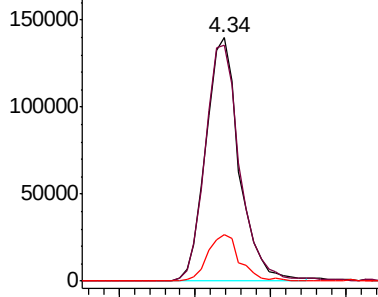
192 19.2 13.4 20.2



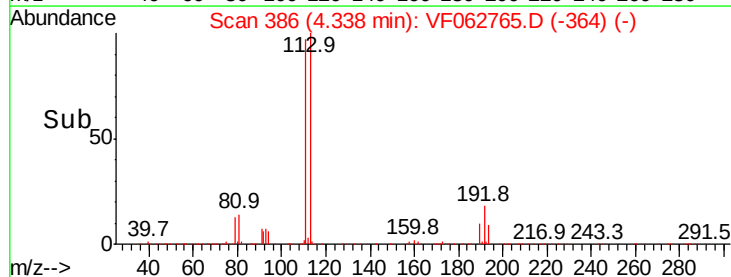
Abundance Ion 113.00 (112.70 to 113.70): V

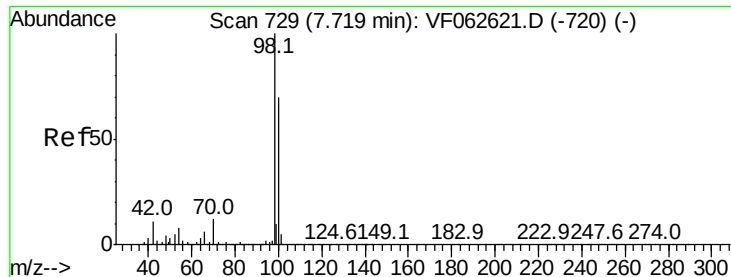
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



Time-->





#50

Toluene-d8

Concen: 40.894 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.02 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

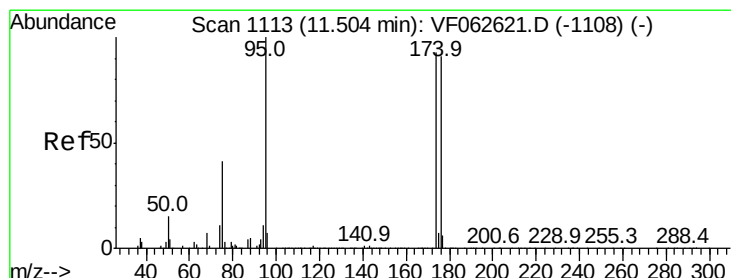
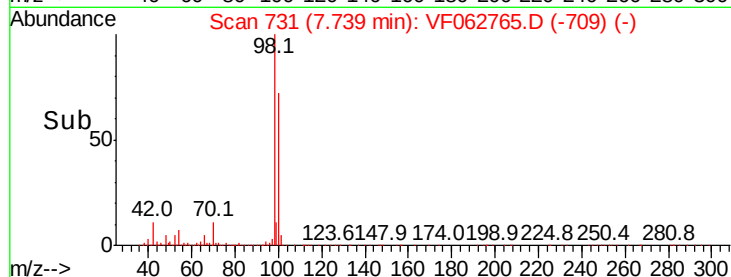
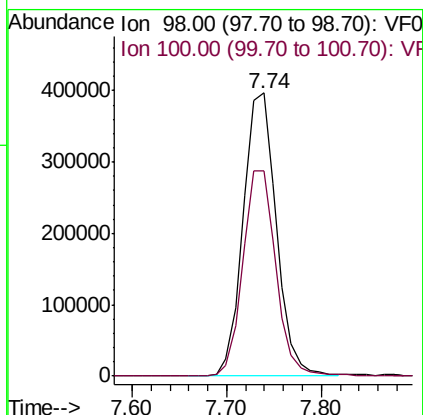
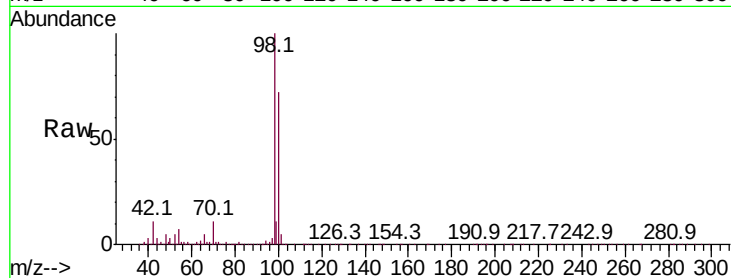
CULVER-CBTC-WC4A-052419

Tot Ion: 98 Resp: 967599

Ion Ratio Lower Upper

98 100

100 72.4 56.2 84.2



#62

4-Bromofluorobenzene

Concen: 36.826 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

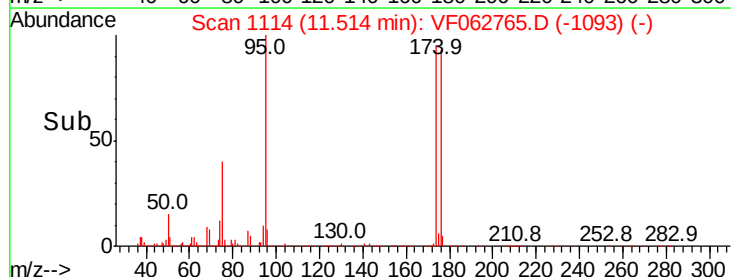
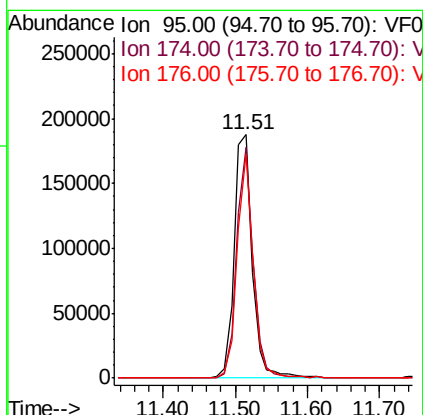
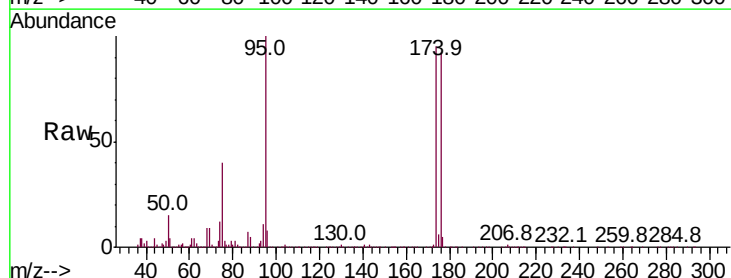
Tgt Ion: 95 Resp: 330478

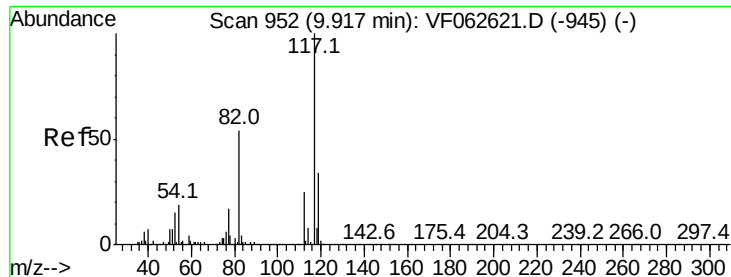
Ion Ratio Lower Upper

95 100

174 94.7 0.0 185.6

176 92.4 0.0 182.4

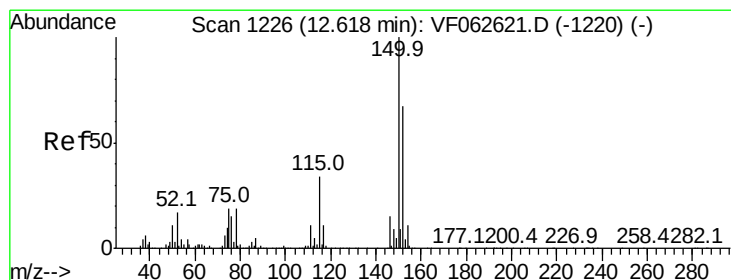
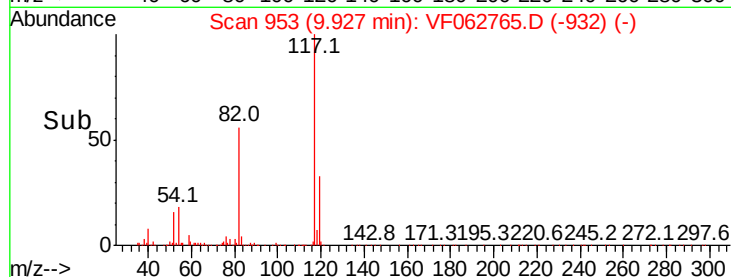
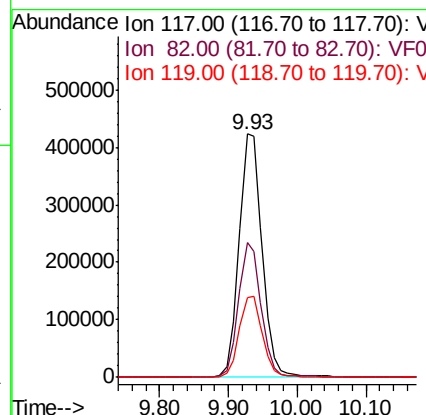
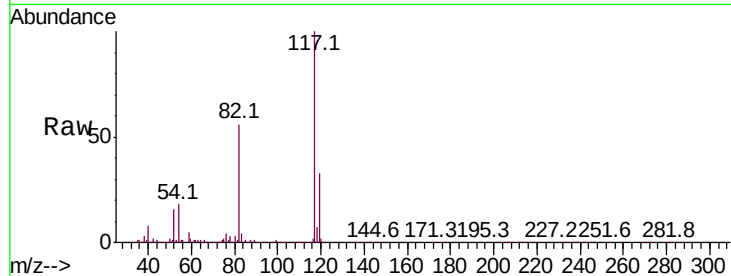




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC4A-052419

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	32.8	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	25.2	75.6
150	147.5	0.0	306.2

