

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062764.D
 Acq On : 28 May 2019 16:58
 Operator : FY/SY
 Sample : K3054-04
 Misc : 14.76g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC3A-052419

Quant Time: May 29 01:48:35 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	5.07	168	837295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1393429	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1117888	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	485565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	251452	42.50	ug/l	0.01
Spiked Amount			Recovery	=	85.00%	
35) Dibromofluoromethane	4.32	113	483190	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
50) Toluene-d8	7.73	98	1110238	43.61	ug/l	0.01
Spiked Amount			Recovery	=	87.22%	
62) 4-Bromofluorobenzene	11.51	95	394816	40.89	ug/l	0.00
Spiked Amount			Recovery	=	81.78%	

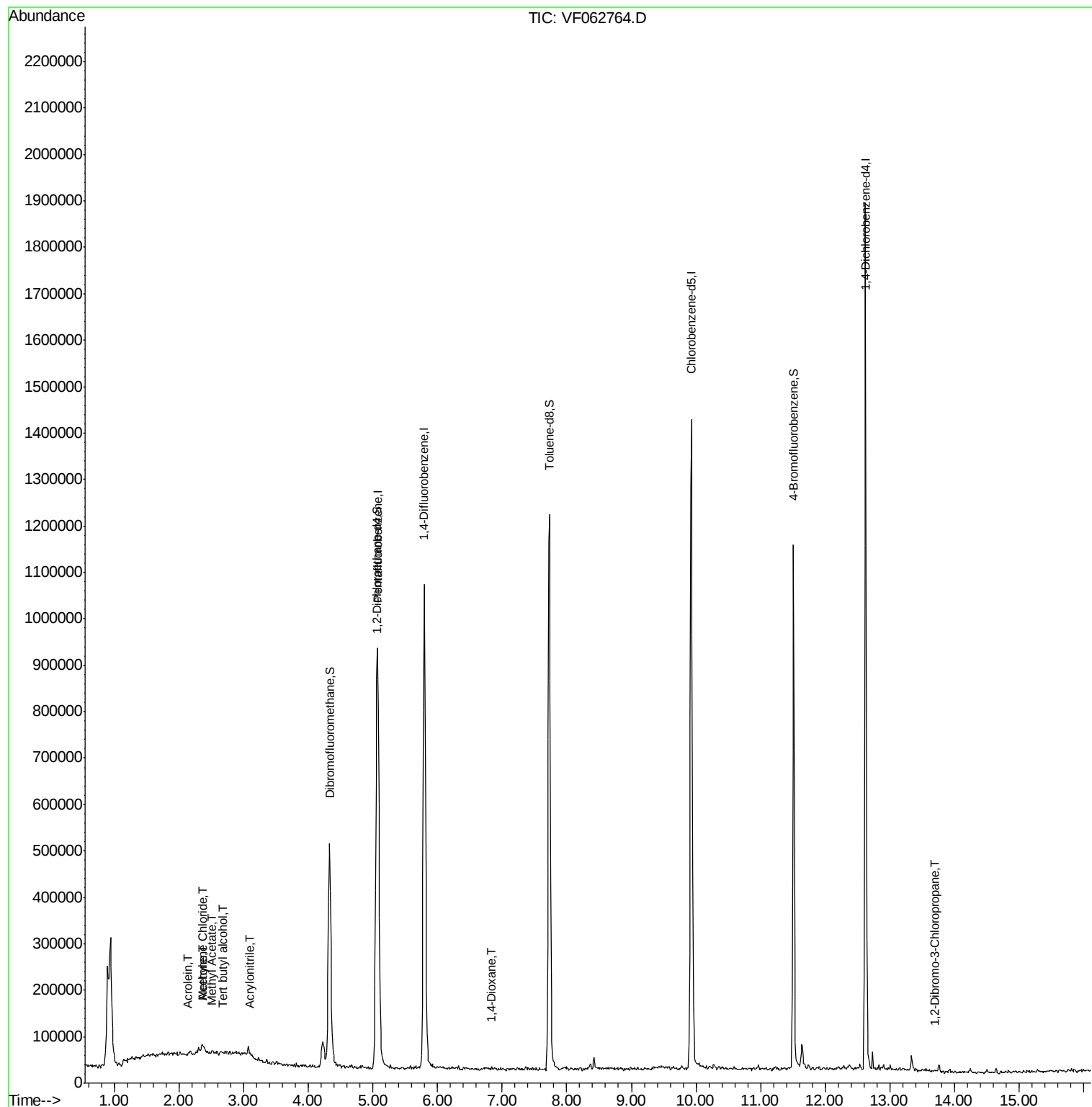
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1243	3.182	ug/l #	1
13) Acrolein	2.13	56	871	2.136	ug/l	100
15) Acrylonitrile	3.11	53	2010	1.824	ug/l #	78
16) Acetone	2.36	43	13617	8.871	ug/l #	84
18) Methyl Acetate	2.50	43	3999	1.658	ug/l #	70
20) Methylene Chloride	2.36	84	14483	1.882	ug/l #	70
49) 1,4-Dioxane	6.85	88	810	16.020	ug/l #	75
59) 2-Hexanone	9.65	43	4962	Below Cal		80
74) N-amyl acetate	11.46	43	1406	Below Cal	#	61
92) 1,2-Dibromo-3-Chloropropan	13.70	75	984	1.160	ug/l #	1

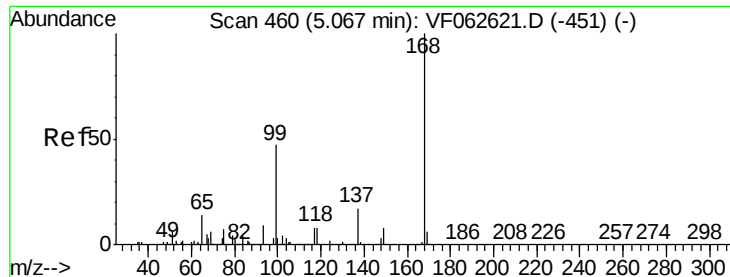
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

Instrument :

MSVOA_F

ClientSampleId :

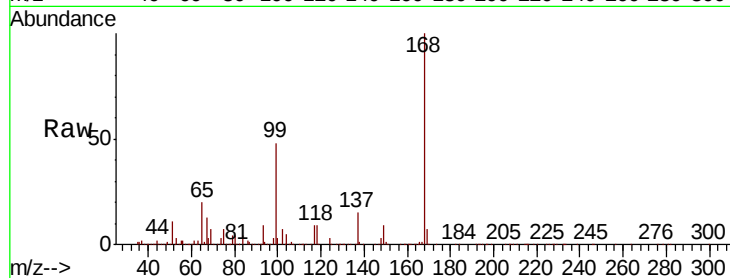
CULVER-CBTC-WC3A-052419

Tot Ion:168 Resp: 837295

Ion Ratio Lower Upper

168 100

99 47.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

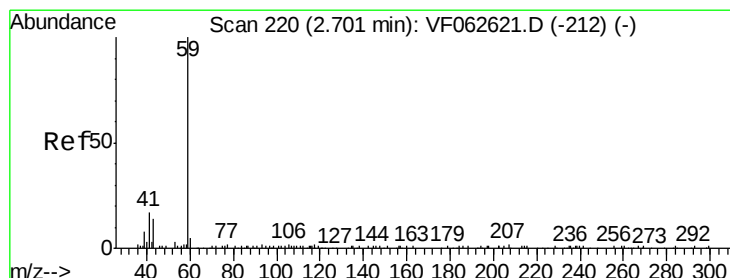
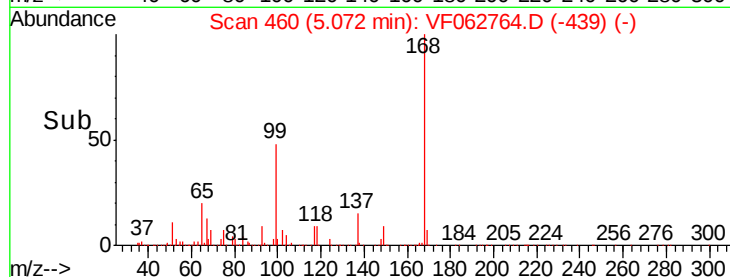
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.182 ug/l

RT: 2.68 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF062764.D

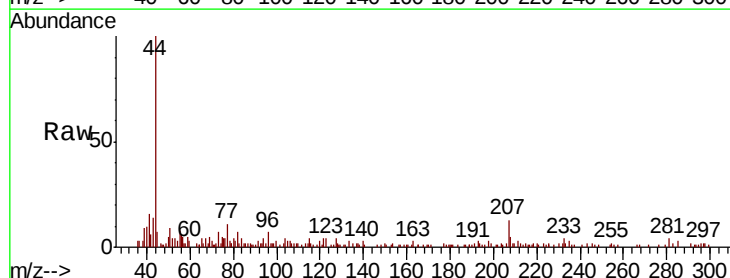
Acq: 28 May 2019 16:58

Tgt Ion: 59 Resp: 1243

Ion Ratio Lower Upper

59 100

57 133.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1000

800

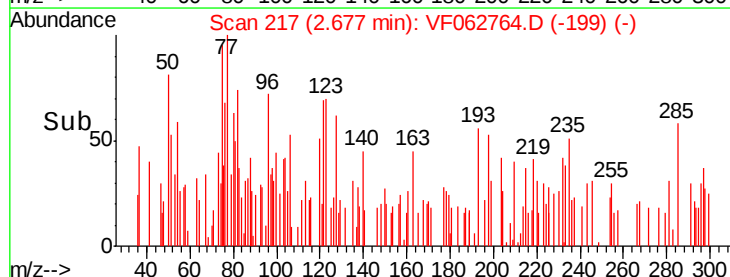
600

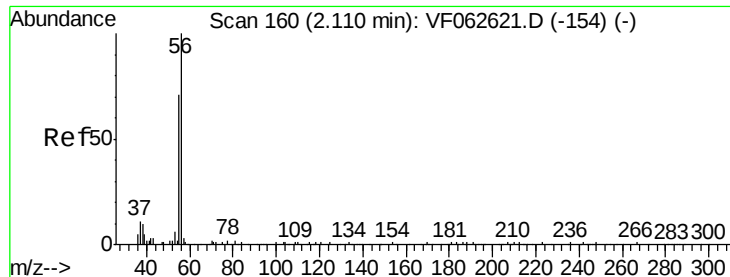
400

200

0

Time-->





#13

Acrolein

Concen: 2.136 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.02 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

Instrument :

MSVOA_F

ClientSampleId :

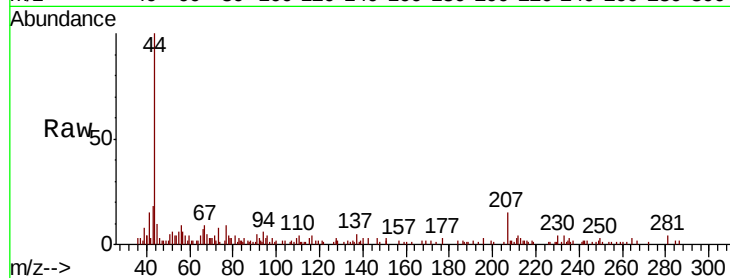
CULVER-CBTC-WC3A-052419

Tot Ion: 56 Resp: 871

Ion Ratio Lower Upper

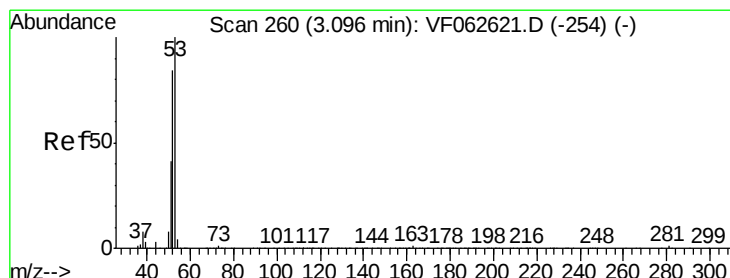
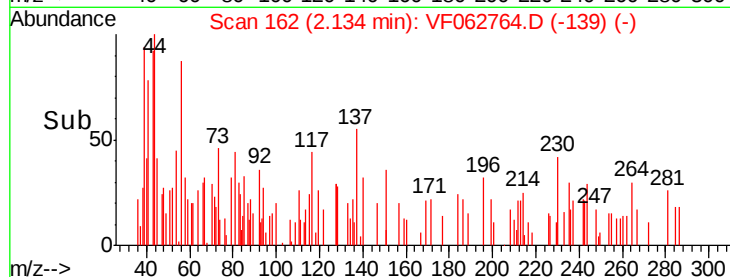
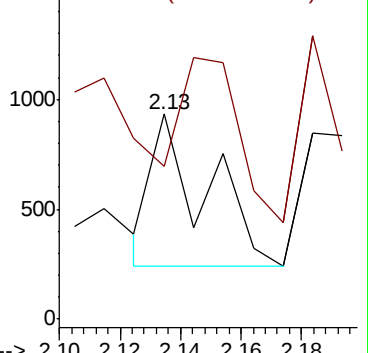
56 100

55 74.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.824 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

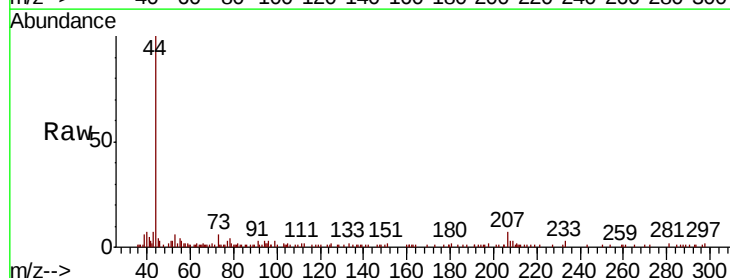
Tgt Ion: 53 Resp: 2010

Ion Ratio Lower Upper

53 100

52 58.4 67.3 100.9#

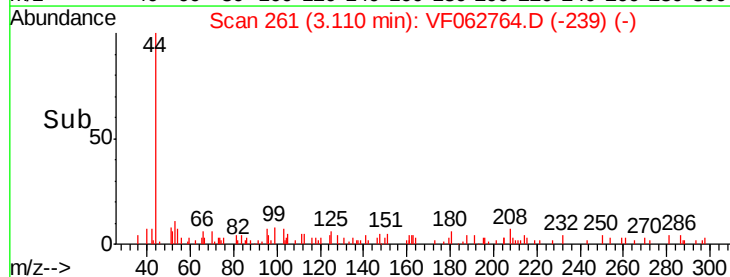
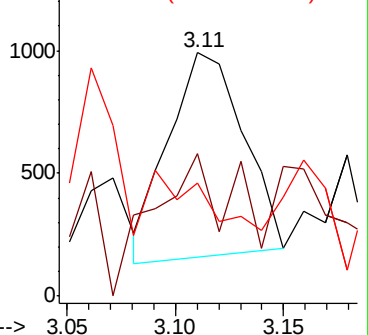
51 46.4 33.0 49.6

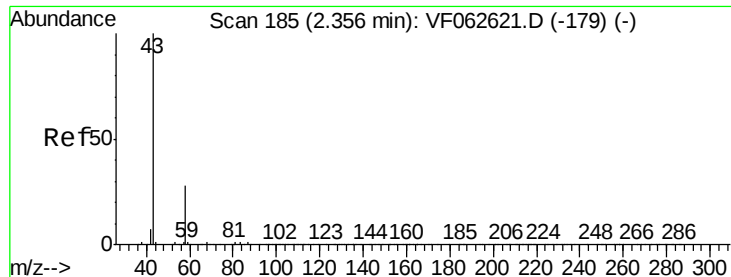


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 8.871 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

Instrument :

MSVOA_F

ClientSampleId :

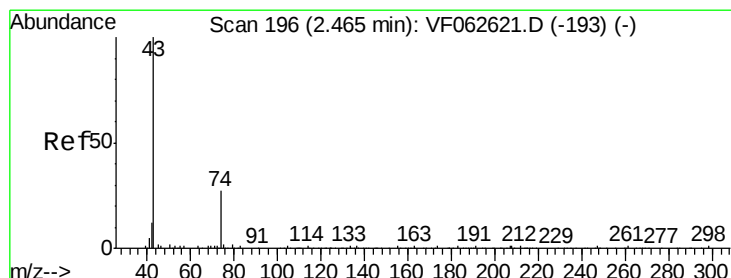
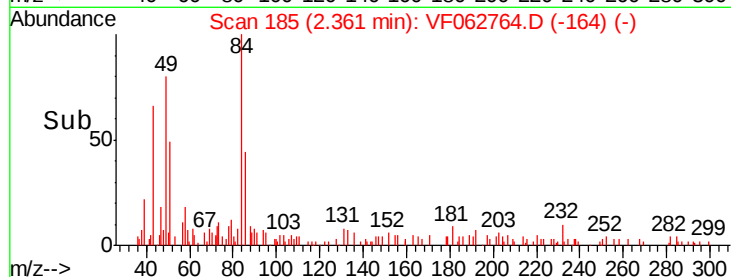
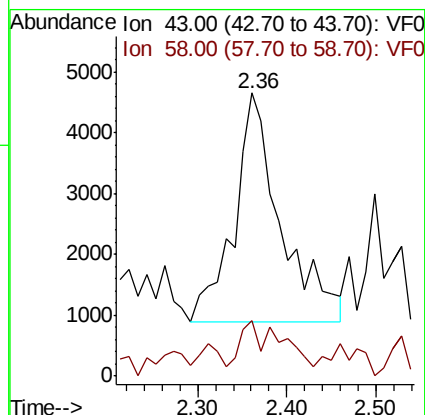
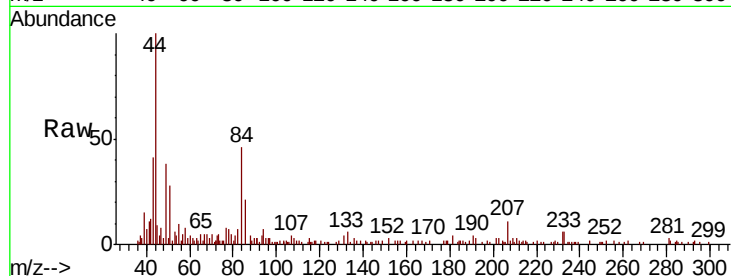
CULVER-CBTC-WC3A-052419

Tot Ion: 43 Resp: 13617

Ion Ratio Lower Upper

43 100

58 19.7 22.6 33.8#



#18

Methyl Acetate

Concen: 1.658 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF062764.D

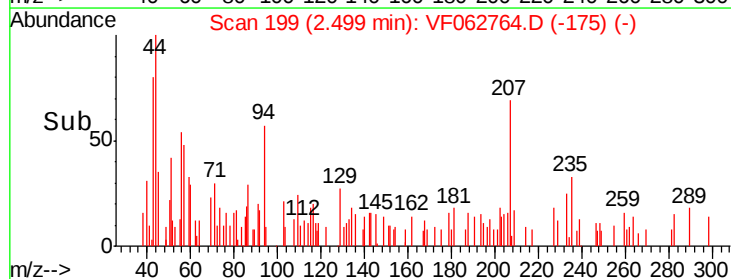
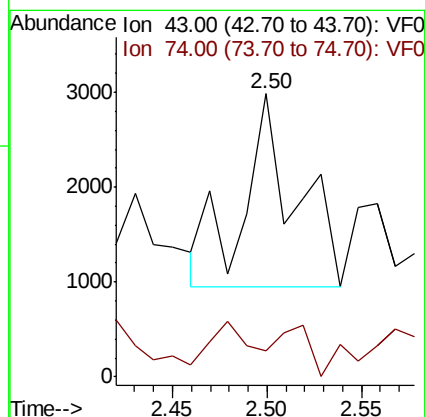
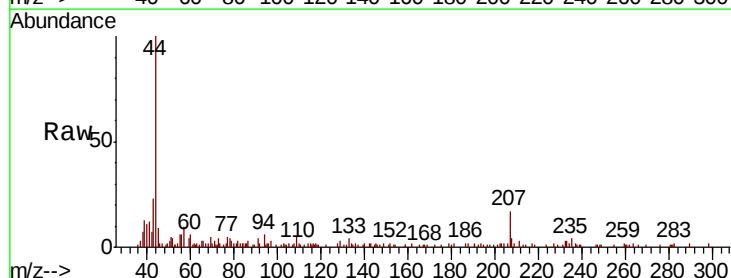
Acq: 28 May 2019 16:58

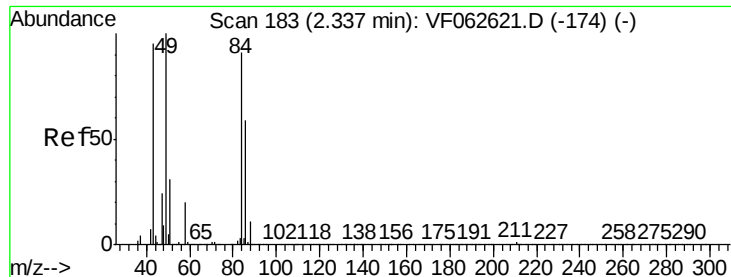
Tgt Ion: 43 Resp: 3999

Ion Ratio Lower Upper

43 100

74 9.0 18.9 28.3#

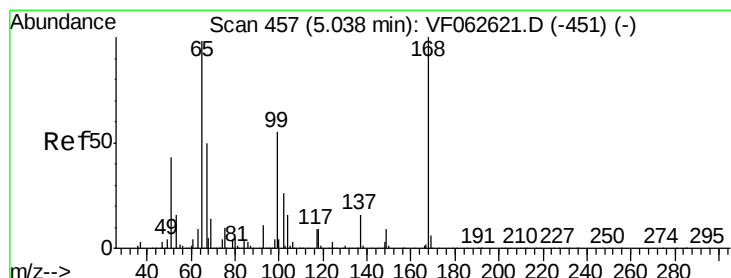
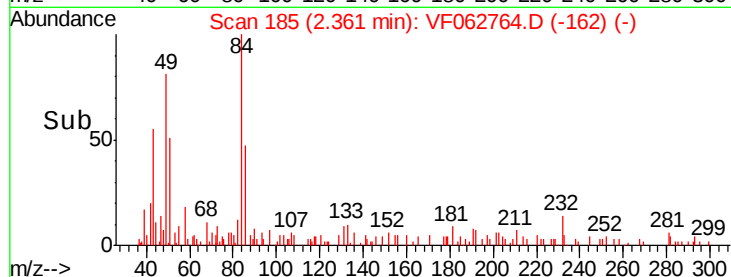
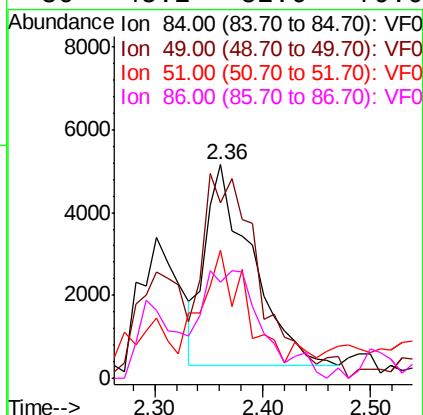
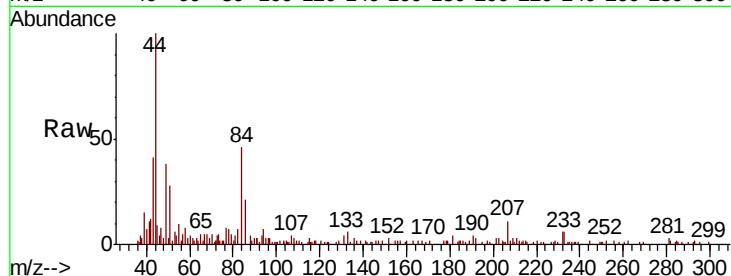




#20
Methvlene Chloride
Concen: 1.882 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

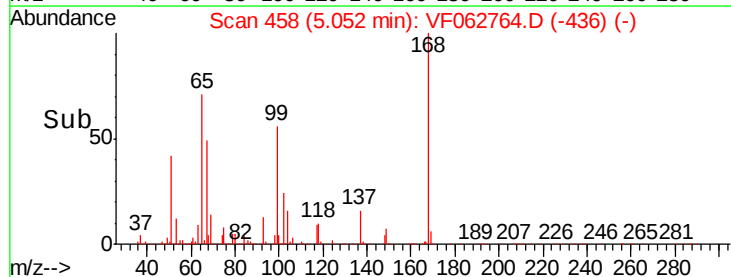
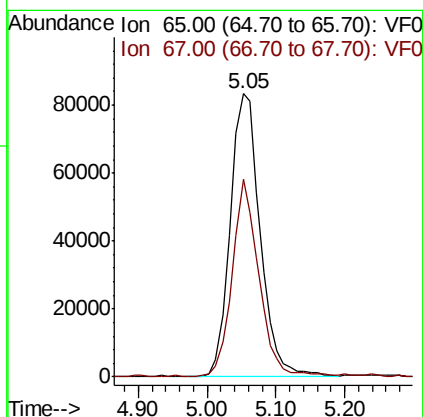
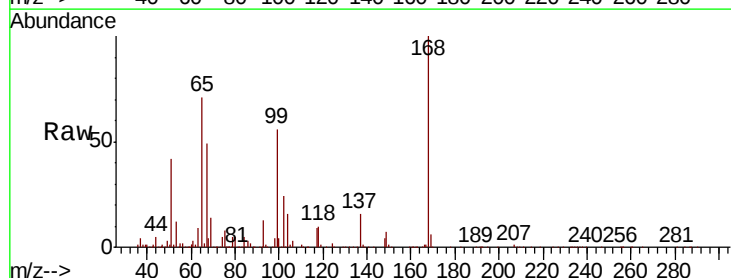
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC3A-052419

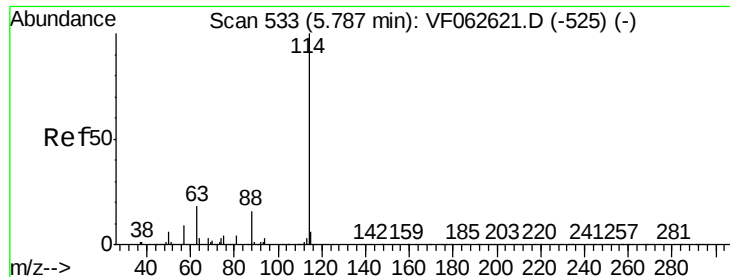
Tot Ion:	84	Resp:	14483
Ion	Ratio	Lower	Upper
84	100		
49	82.0	89.8	134.8#
51	60.0	28.4	42.6#
86	45.2	52.6	79.0#



#33
1,2-Dichloroethane-d4
Concen: 42.498 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

Tgt Ion:	65	Resp:	251452
Ion	Ratio	Lower	Upper
65	100		
67	69.7	0.0	117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC3A-052419

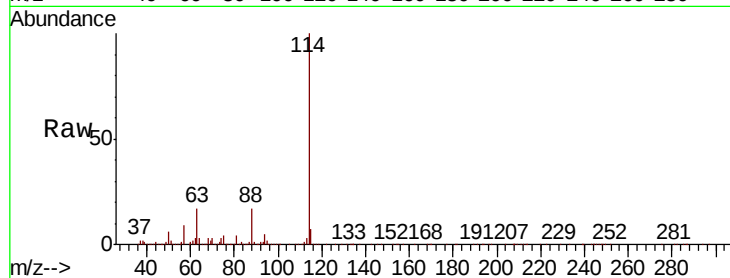
Tot Ion:114 Resp: 1393429

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 16.8 0.0 32.4

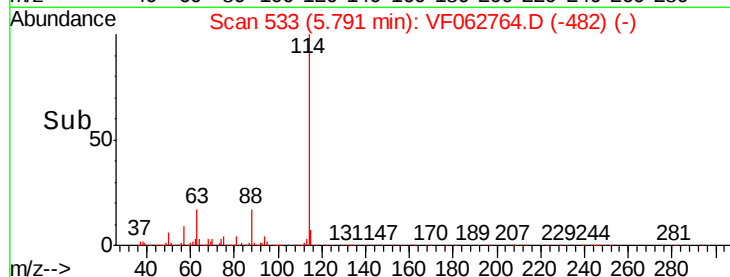


Abundance Ion 114.00 (113.70 to 114.70): V

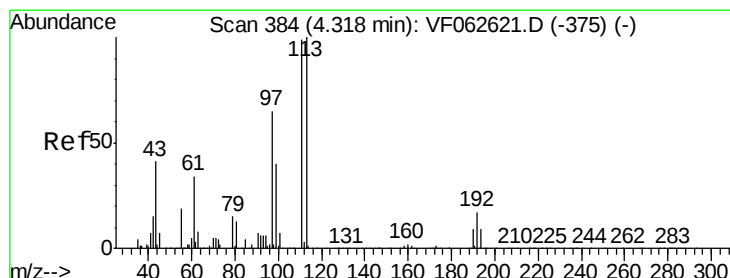
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.79



Time-->



#35

Dibromofluoromethane

Concen: 45.316 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

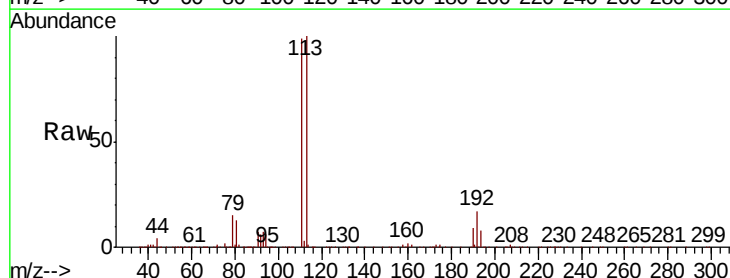
Tgt Ion:113 Resp: 483190

Ion Ratio Lower Upper

113 100

111 98.7 79.4 119.2

192 16.9 13.4 20.2

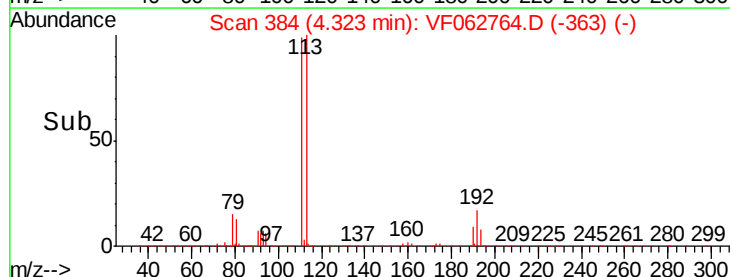


Abundance Ion 113.00 (112.70 to 113.70): V

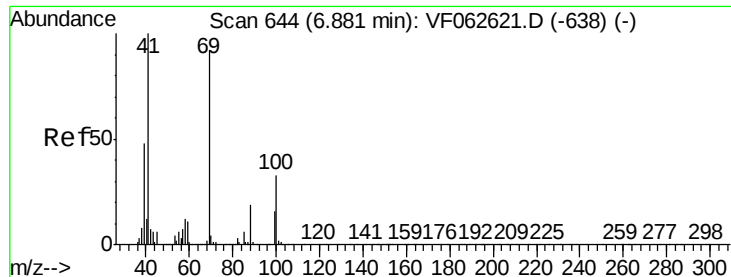
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.32



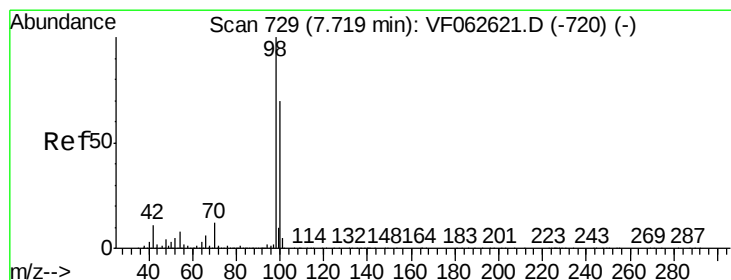
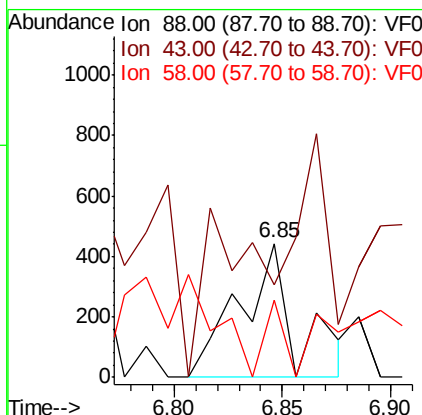
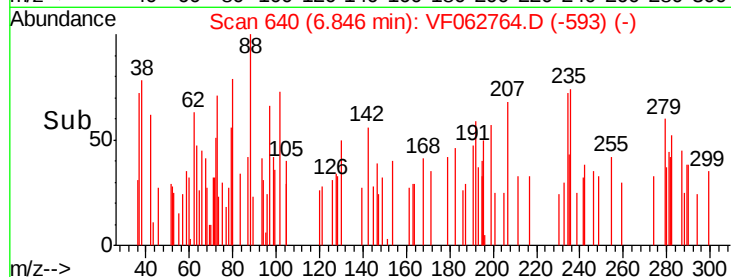
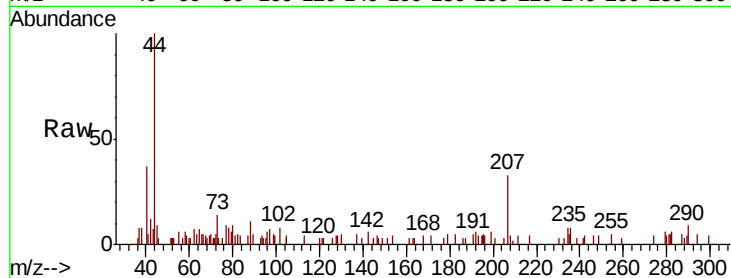
Time-->



#49
1,4-Dioxane
Concen: 16.020 ug/l
RT: 6.85 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

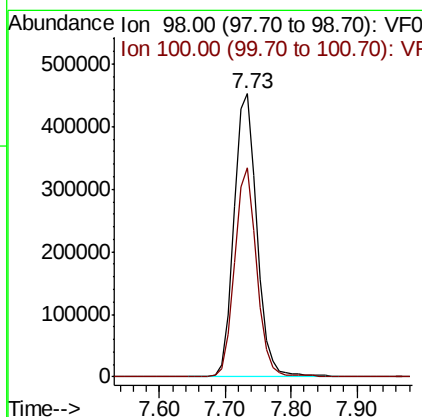
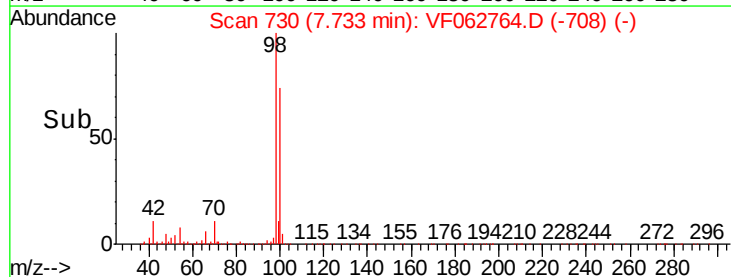
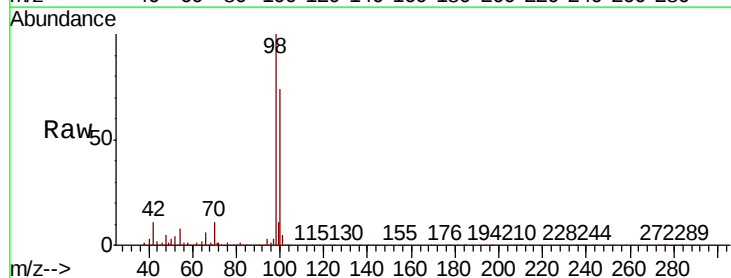
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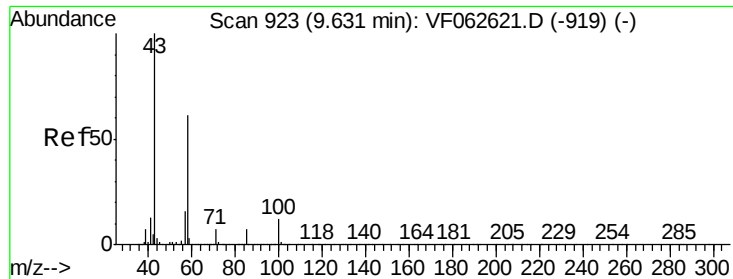
Tot Ion: 88 Resp: 810
Ion Ratio Lower Upper
88 100
43 69.2 30.0 45.0#
58 57.7 51.1 76.7



#50
Toluene-d8
Concen: 43.610 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

Tgt Ion: 98 Resp: 1110238
Ion Ratio Lower Upper
98 100
100 73.9 56.2 84.2

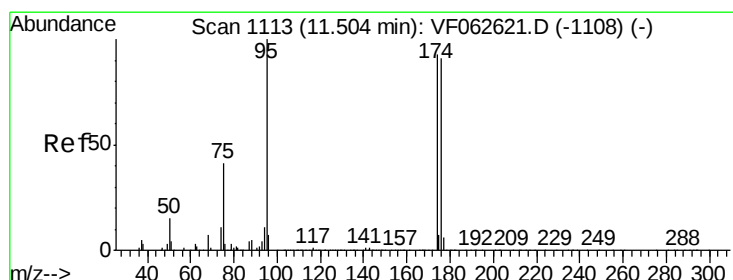
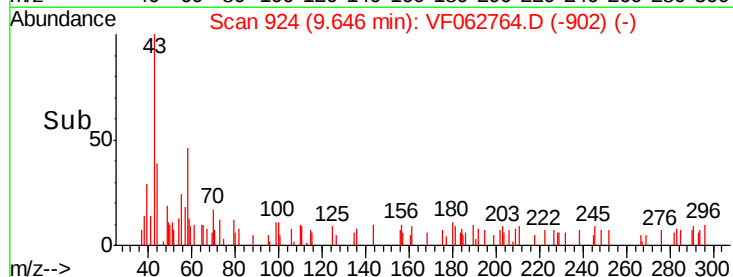
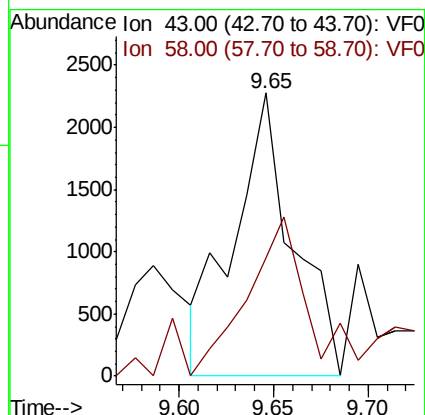
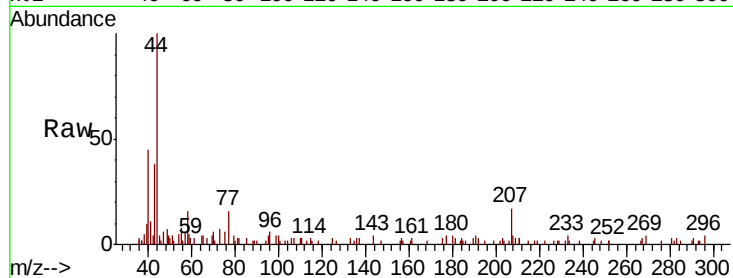




#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

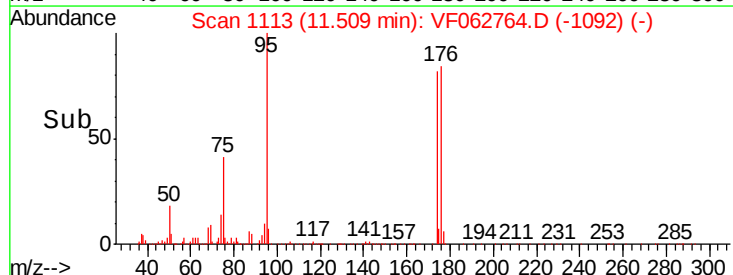
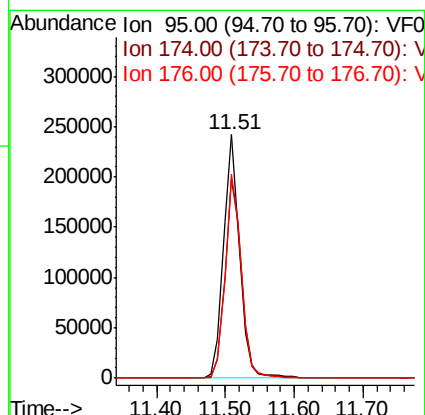
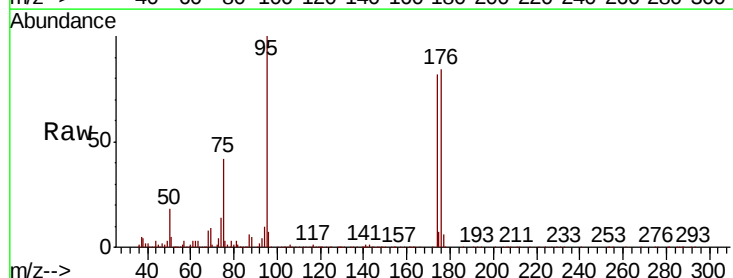
Instrument :
MSVOA_F
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CULVER-CBTC-WC3A-052419

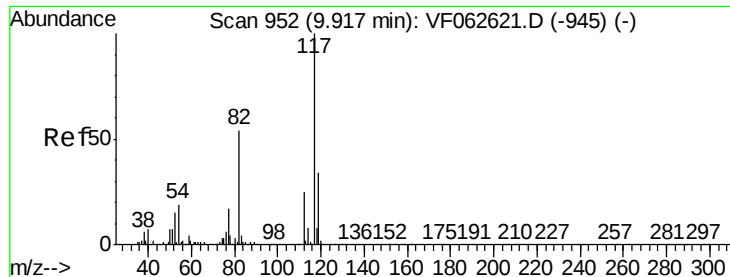
Tot Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
58 41.6 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 40.890 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

Tgt Ion: 95 Resp: 394816
Ion Ratio Lower Upper
95 100
174 81.8 0.0 185.6
176 84.0 0.0 182.4

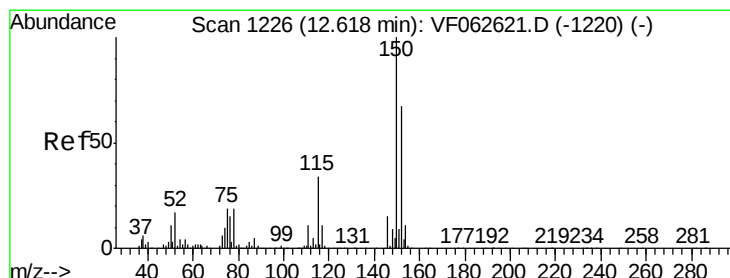
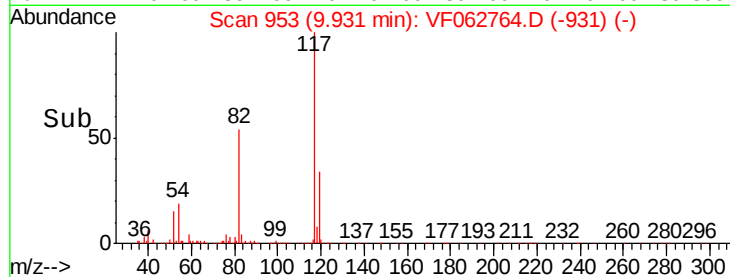
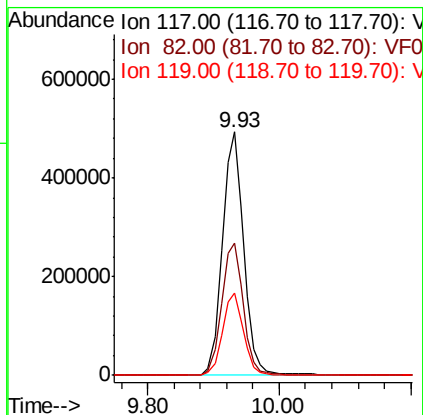
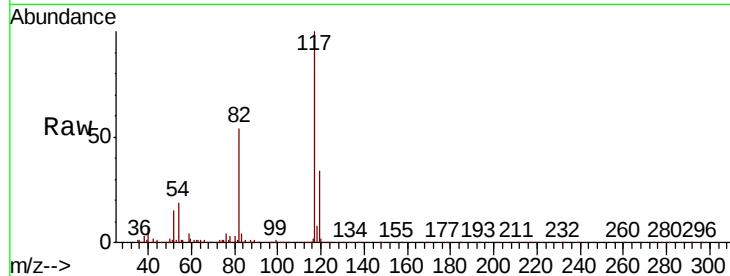




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

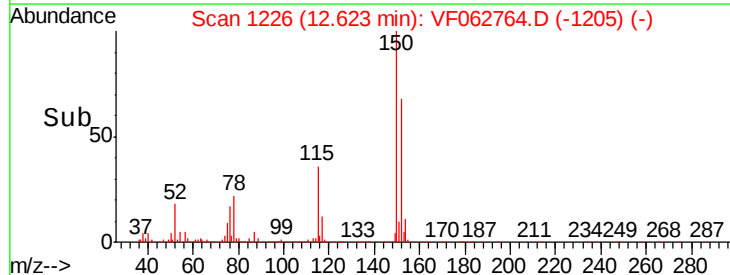
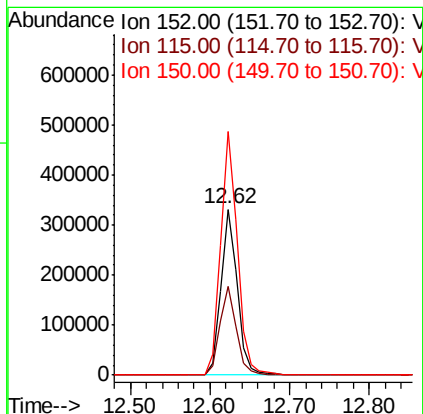
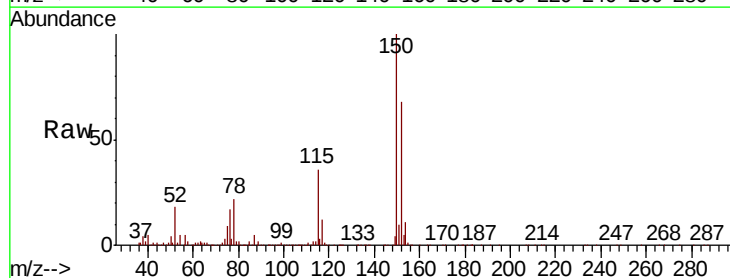
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC3A-052419

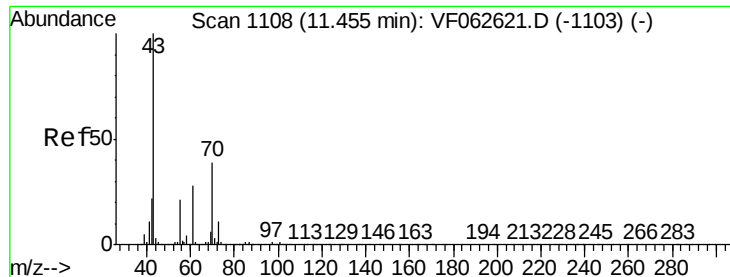
Tot Ion:117 Resp: 1117888
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 34.0 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062764.D
Acq: 28 May 2019 16:58

Tgt Ion:152 Resp: 485565
Ion Ratio Lower Upper
152 100
115 53.7 25.2 75.6
150 147.1 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC3A-052419

Tot Ion: 43 Resp: 1406

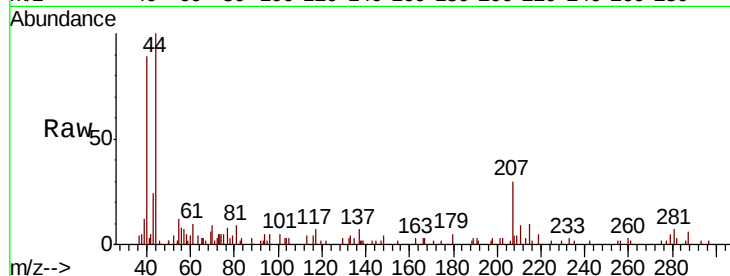
Ion Ratio Lower Upper

43 100

70 36.9 30.9 46.3

55 80.6 17.0 25.4#

61 41.1 22.6 34.0#

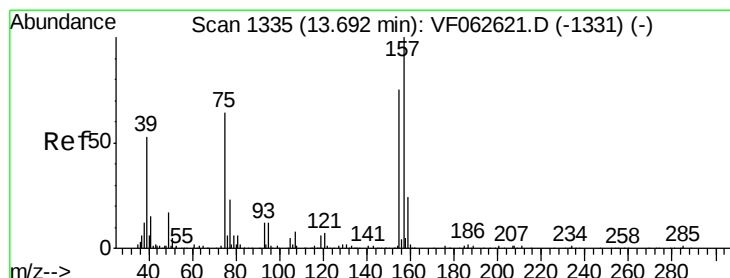
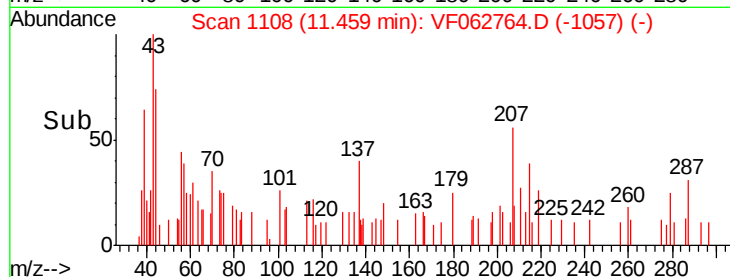
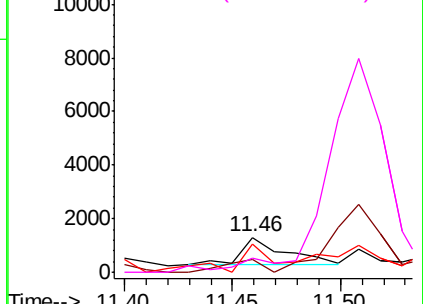


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.160 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062764.D

Acq: 28 May 2019 16:58

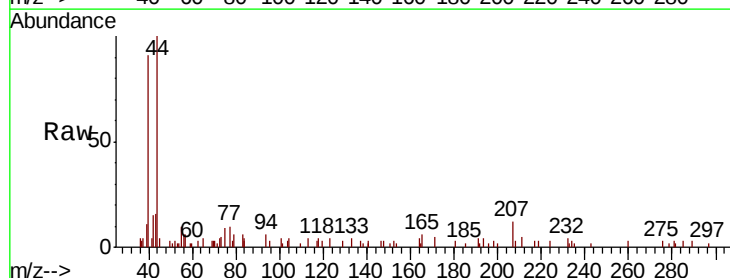
Tgt Ion: 75 Resp: 984

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

