

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 01:48:47 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	229717	42.83	ug/l	0.02
Spiked Amount			Recovery	=	85.66%	
35) Dibromofluoromethane	4.34	113	428230	43.21	ug/l	0.02
Spiked Amount			Recovery	=	86.42%	
50) Toluene-d8	7.74	98	967599	40.89	ug/l	0.02
Spiked Amount			Recovery	=	81.78%	
62) 4-Bromofluorobenzene	11.51	95	330478	36.83	ug/l	0.01
Spiked Amount			Recovery	=	73.66%	

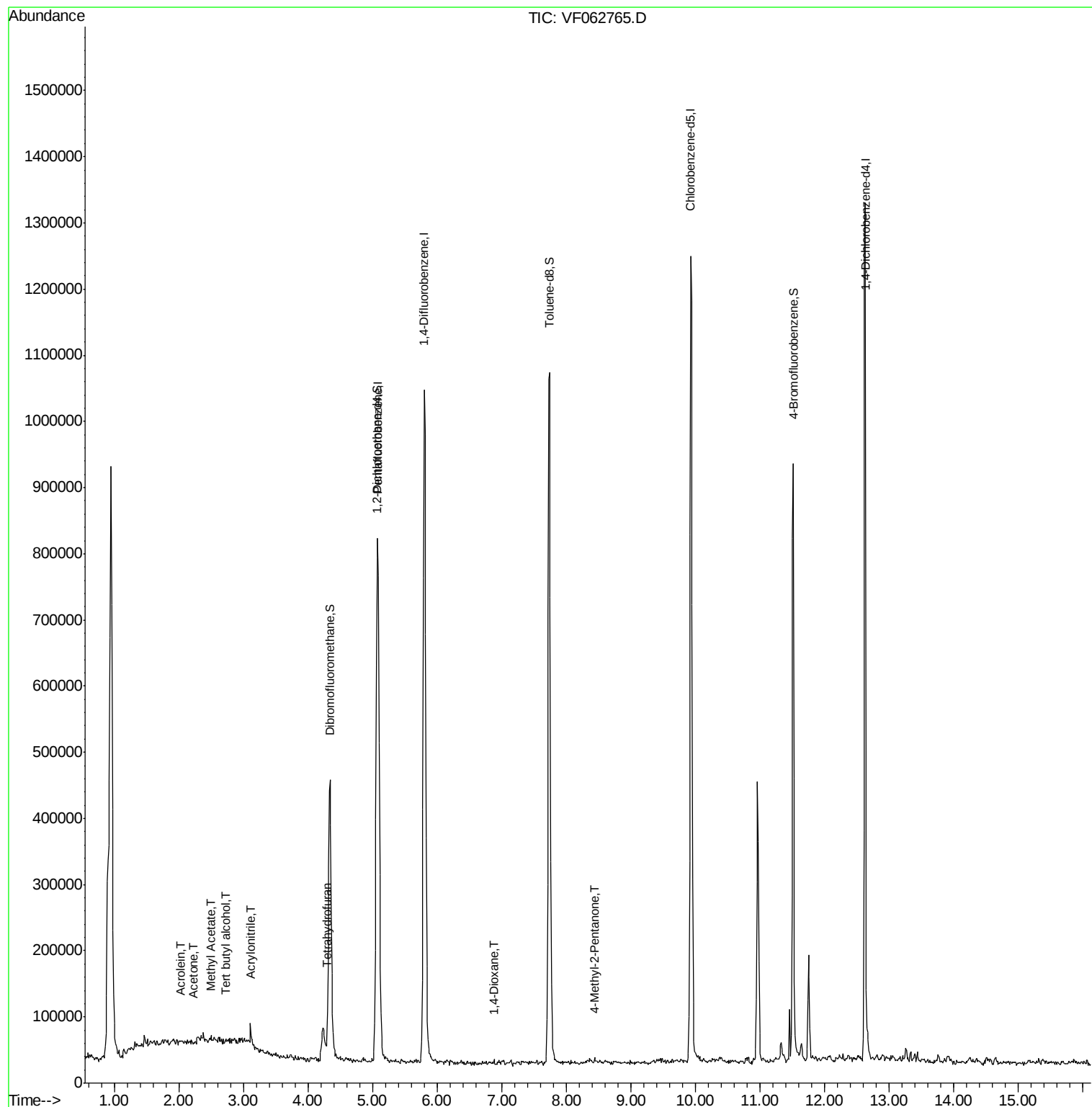
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	2108	5.953	ug/l #	1
13) Acrolein	2.02	56	796	2.153	ug/l	90
15) Acrylonitrile	3.11	53	1341	1.342	ug/l #	24
16) Acetone	2.23	43	2145	1.541	ug/l	99
18) Methyl Acetate	2.48	43	5261	2.406	ug/l #	84
29) Tetrahydrofuran	4.29	42	1876	1.559	ug/l #	63
49) 1,4-Dioxane	6.89	88	1036	22.046	ug/l #	74
51) 4-Methyl-2-Pentanone	8.44	43	5200	1.084	ug/l #	85
59) 2-Hexanone	9.57	43	1327	Below Cal		62
74) N-amyl acetate	11.46	43	2824	Below Cal	#	68

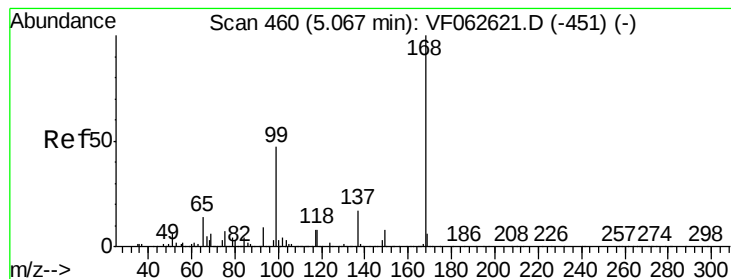
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#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 :

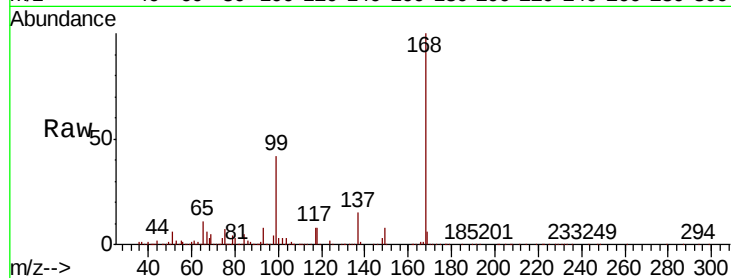
CULVER-CBTC-WC4A-052419

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

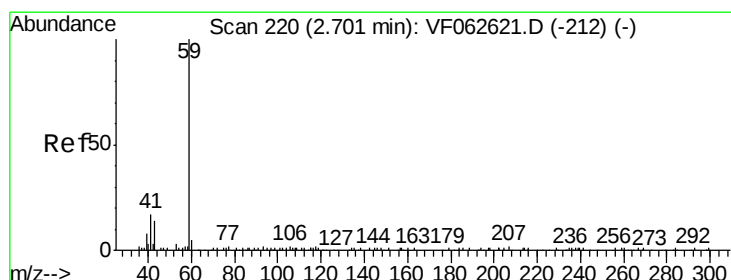
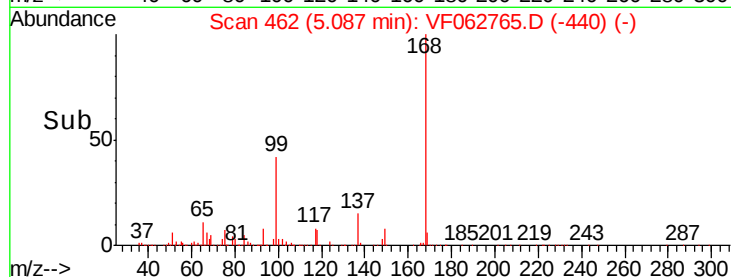
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.953 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062765.D

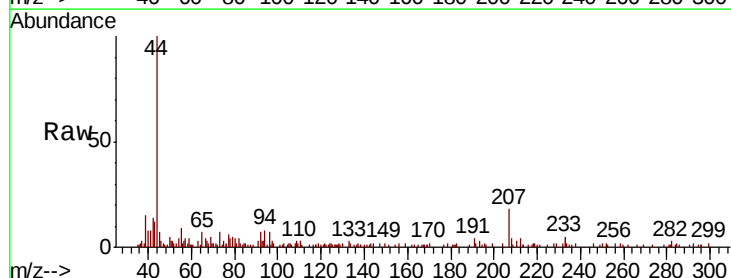
Acq: 28 May 2019 17:26

Tgt Ion: 59 Resp: 2108

Ion Ratio Lower Upper

59 100

57 79.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

800

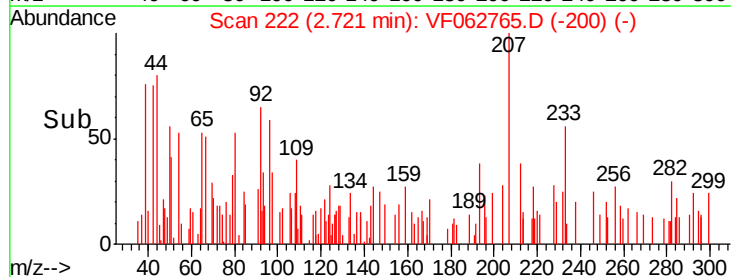
600

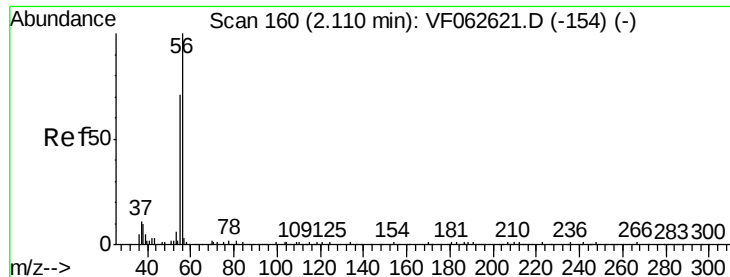
400

200

0

Time-->





#13

Acrolein

Concen: 2.153 ug/l

RT: 2.02 min Scan# 151

Delta R.T. -0.09 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

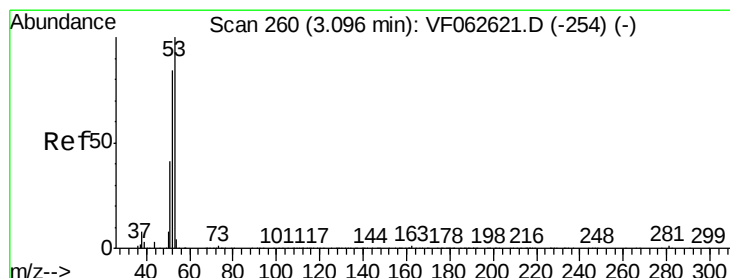
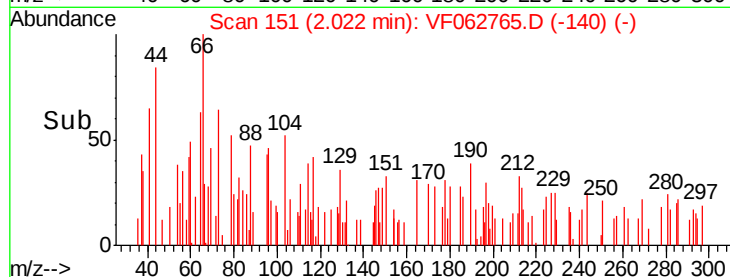
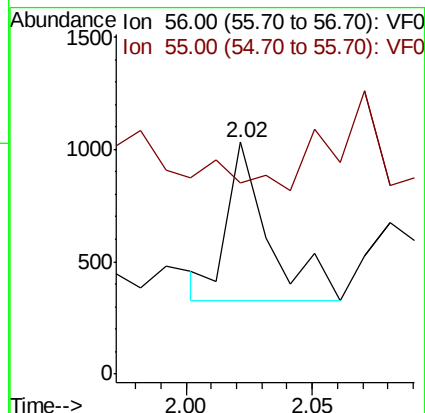
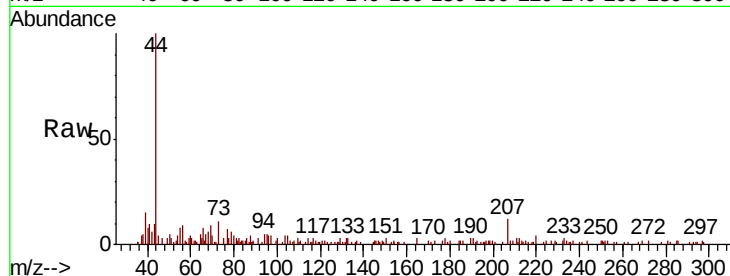
CULVER-CBTC-WC4A-052419

Tot Ion: 56 Resp: 796

Ion Ratio Lower Upper

56 100

55 82.6 59.4 89.0



#15

Acrylonitrile

Concen: 1.342 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

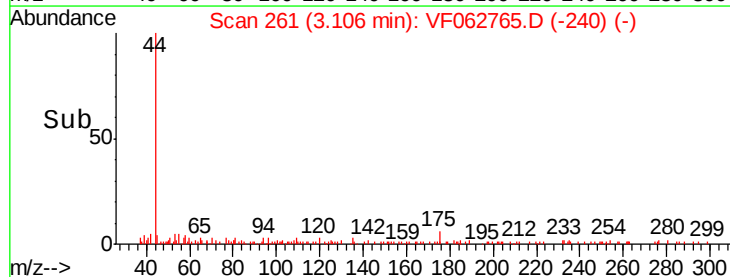
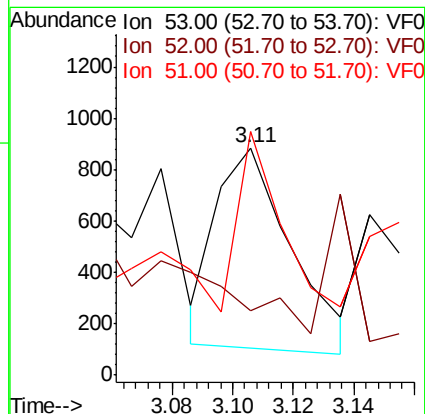
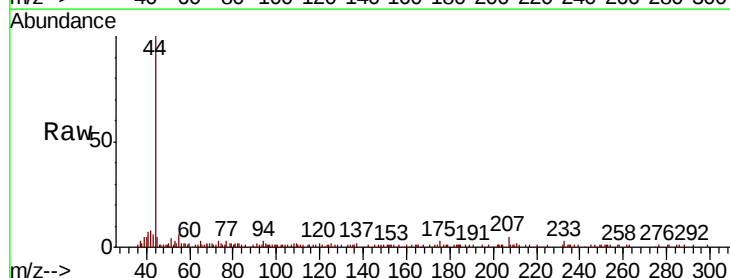
Tgt Ion: 53 Resp: 1341

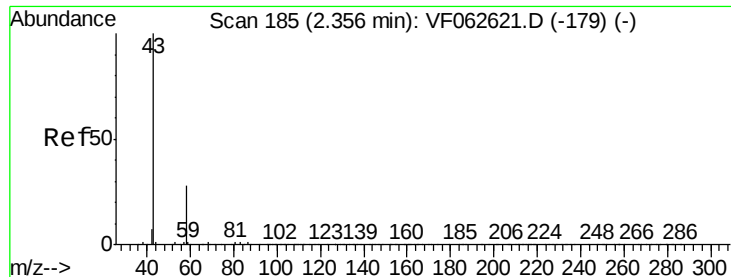
Ion Ratio Lower Upper

53 100

52 28.5 67.3 100.9#

51 107.2 33.0 49.6#

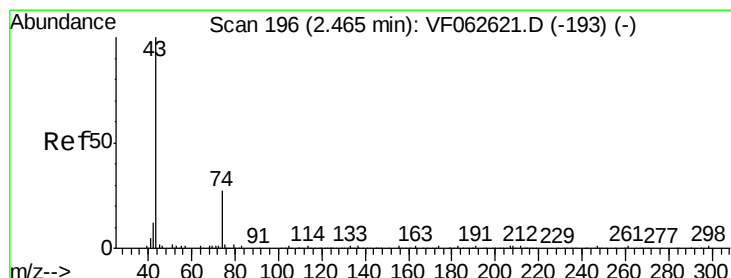
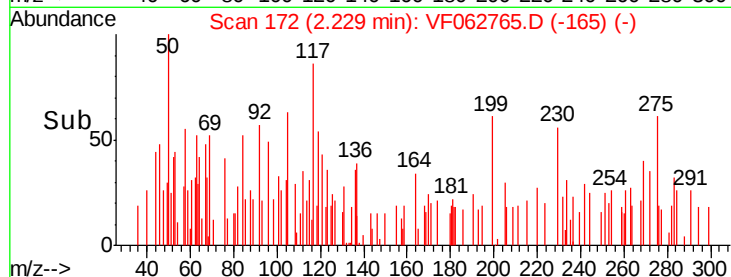
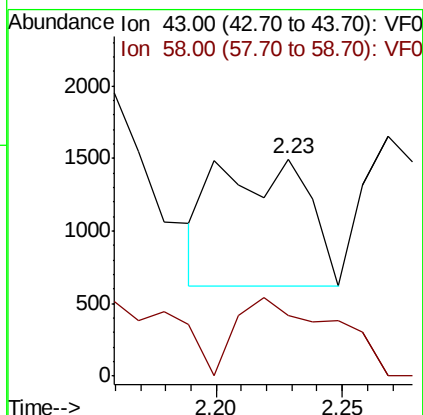
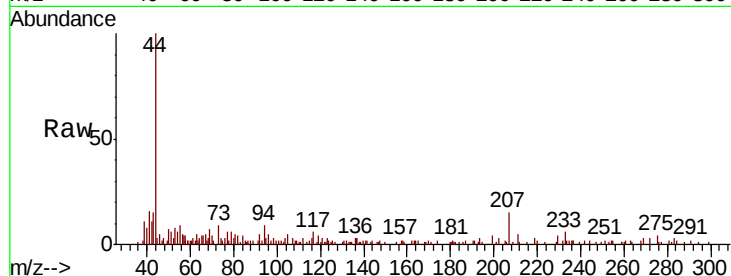




#16
Acetone
Concen: 1.541 ug/l
RT: 2.23 min Scan# 172
Delta R.T. -0.13 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

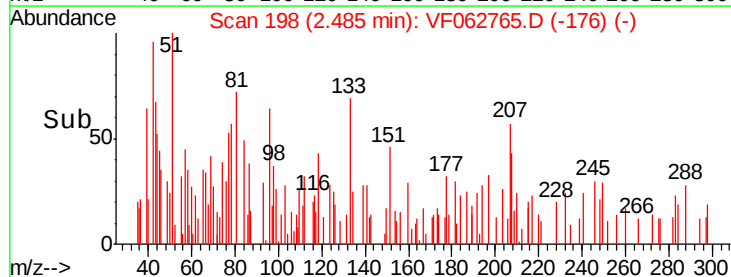
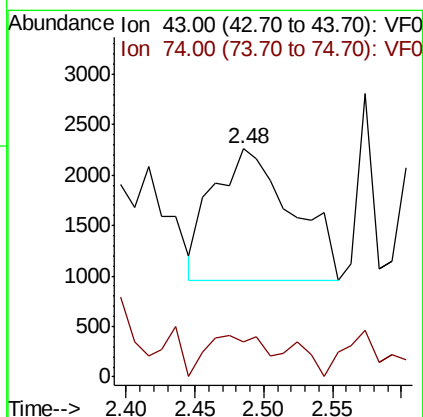
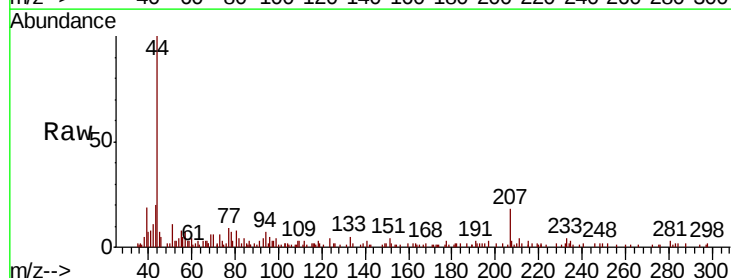
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC4A-052419

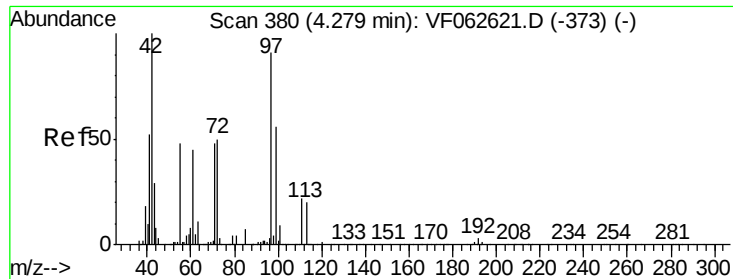
Tot Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#18
Methyl Acetate
Concen: 2.406 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

Tgt Ion: 43 Resp: 5261
Ion Ratio Lower Upper
43 100
74 15.6 18.9 28.3#





#29

Tetrahydrofuran

Concen: 1.559 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC4A-052419

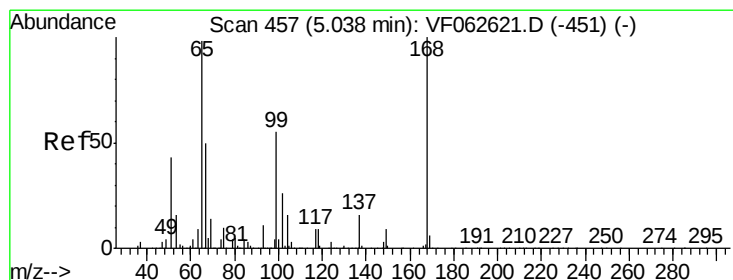
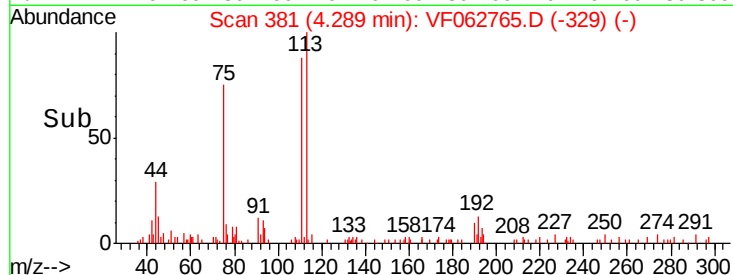
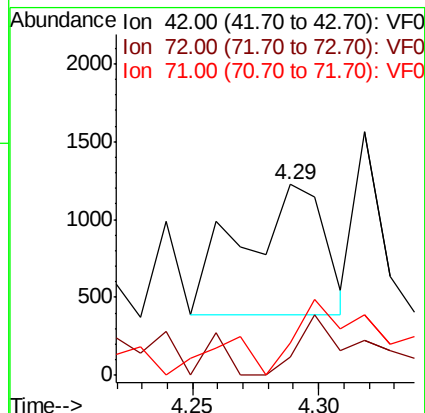
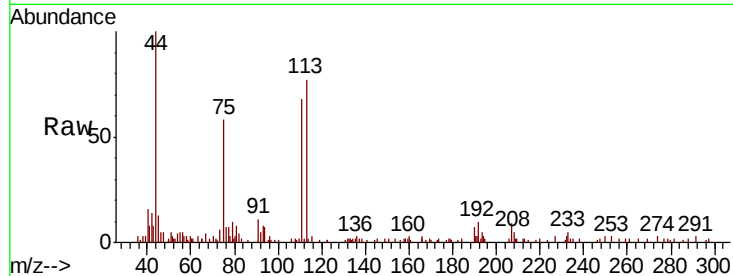
Tot Ion: 42 Resp: 1876

Ion Ratio Lower Upper

42 100

72 36.2 38.2 57.2#

71 82.2 35.8 53.6#



#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

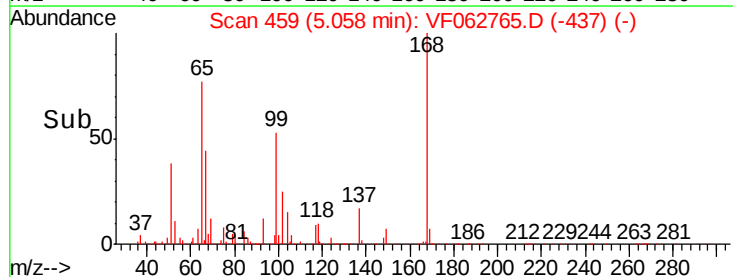
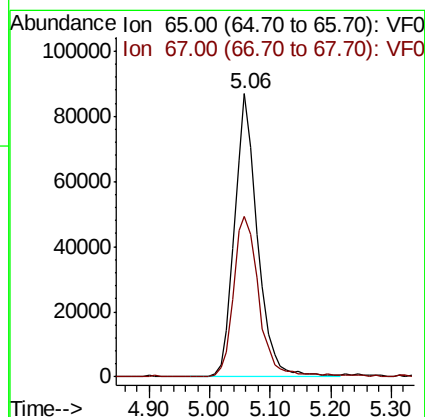
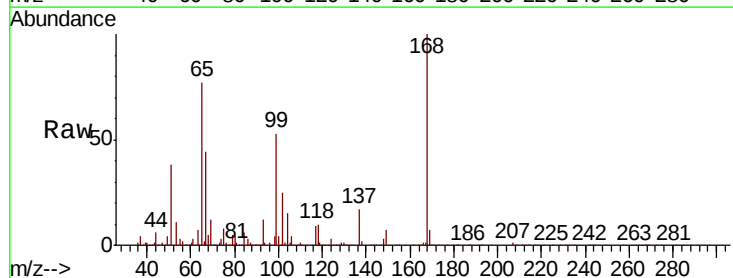
Acq: 28 May 2019 17:26

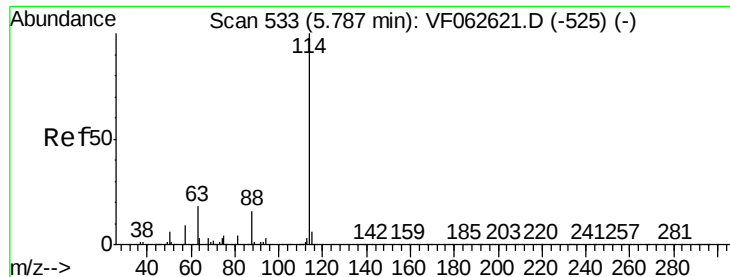
Tgt Ion: 65 Resp: 229717

Ion Ratio Lower Upper

65 100

67 56.8 0.0 117.6





#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

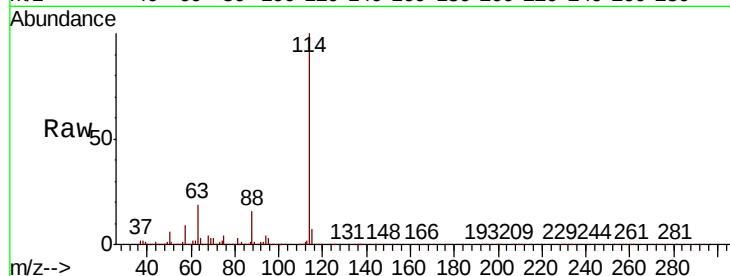
Tot Ion:114 Resp: 1295074

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.4

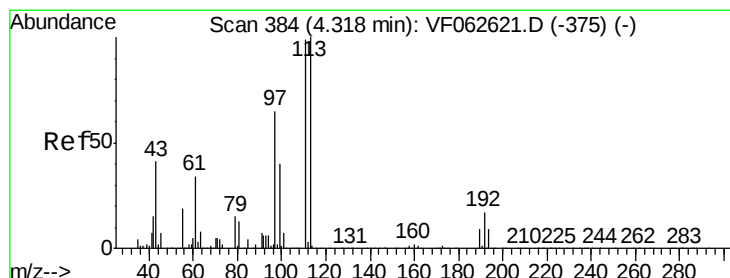
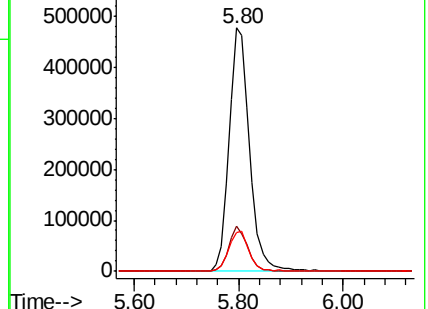
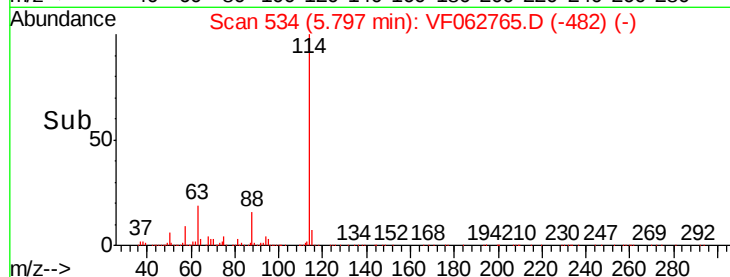
88 15.8 0.0 32.4



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



#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

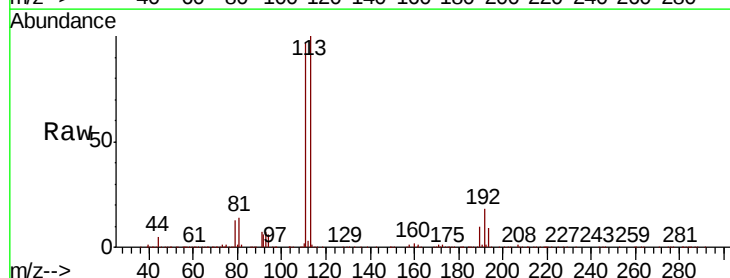
Tgt Ion:113 Resp: 428230

Ion Ratio Lower Upper

113 100

111 96.9 79.4 119.2

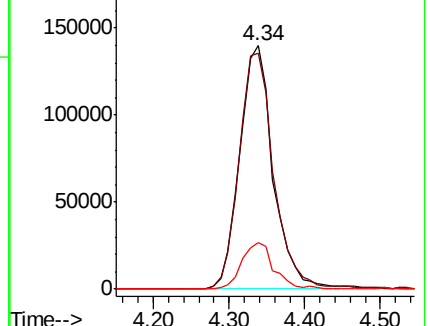
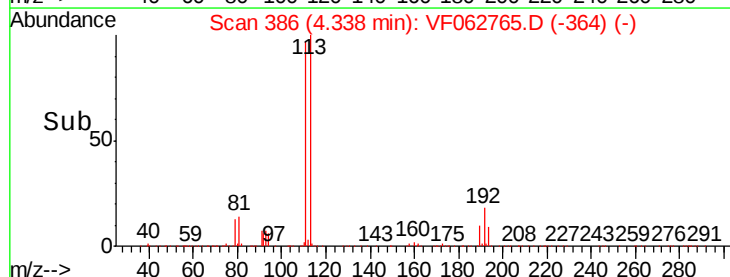
192 19.2 13.4 20.2

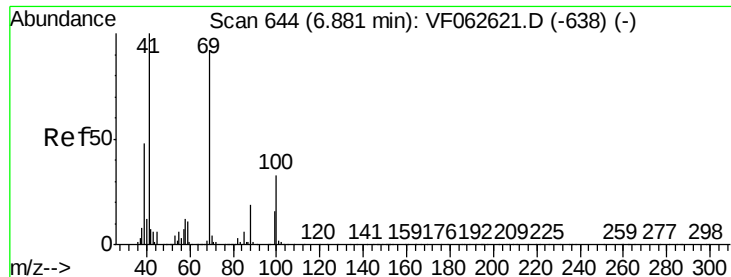


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

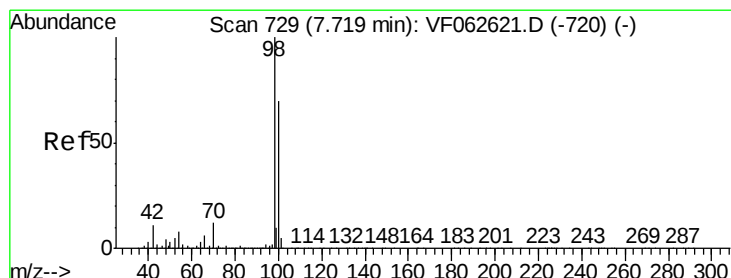
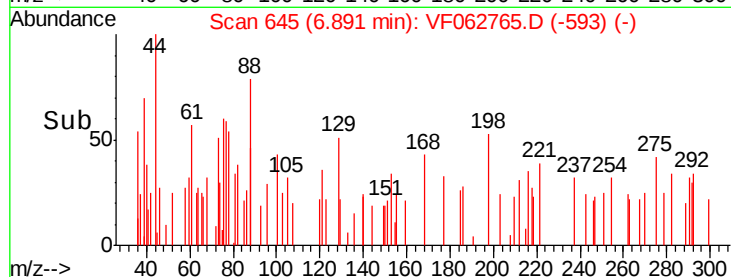
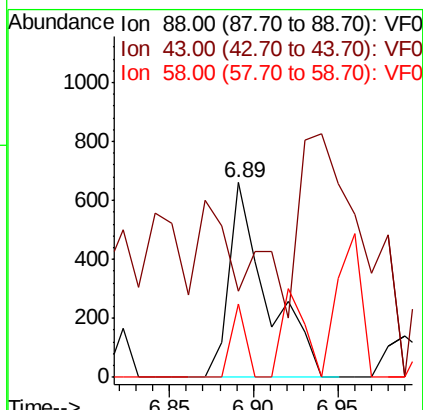
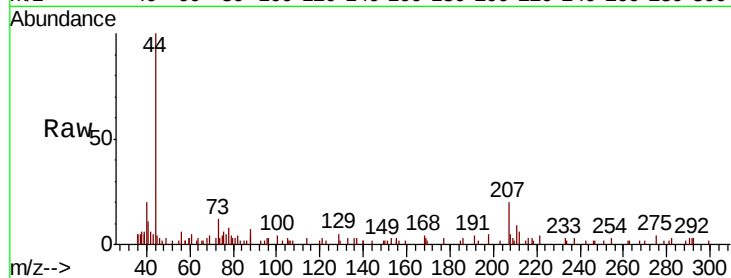




#49
1,4-Dioxane
Concen: 22.046 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

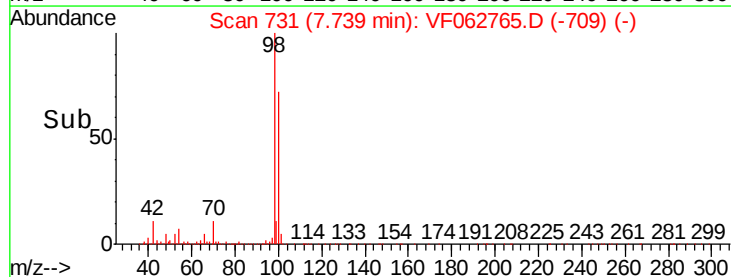
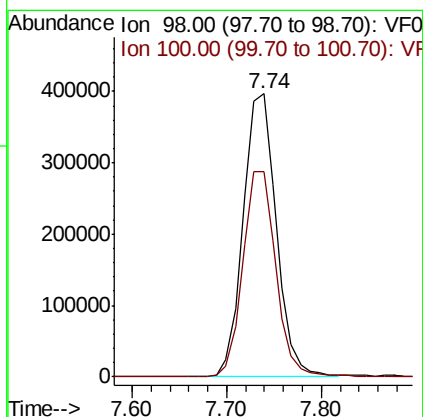
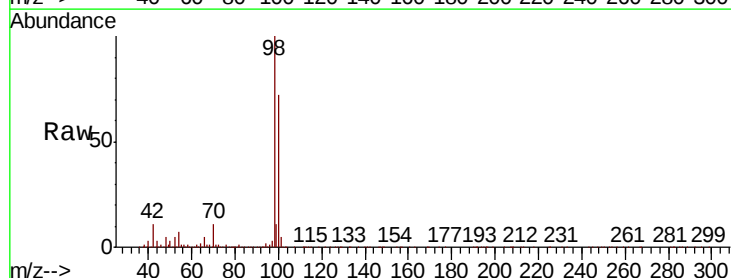
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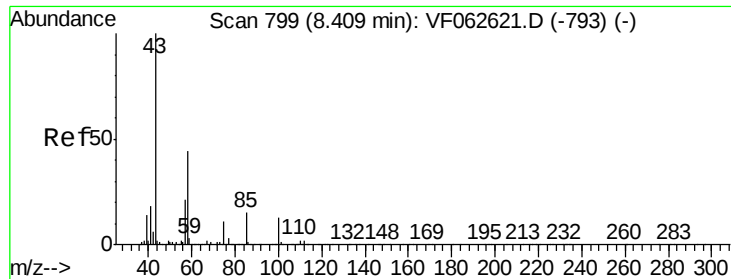
Tot Ion: 88 Resp: 1036
Ion Ratio Lower Upper
88 100
43 44.5 30.0 45.0
58 37.5 51.1 76.7#



#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

Tgt Ion: 98 Resp: 967599
Ion Ratio Lower Upper
98 100
100 72.4 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.084 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Instrument :

MSVOA_F

ClientSampleId :

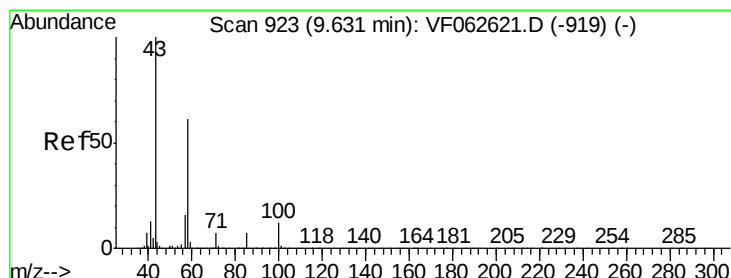
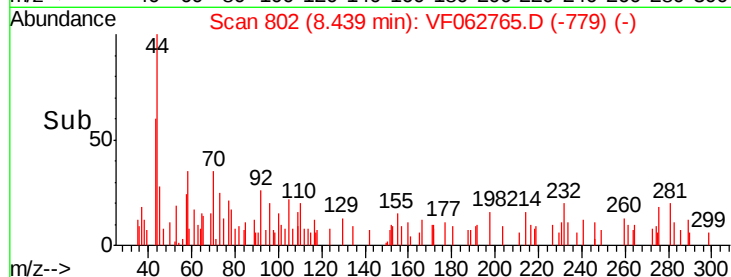
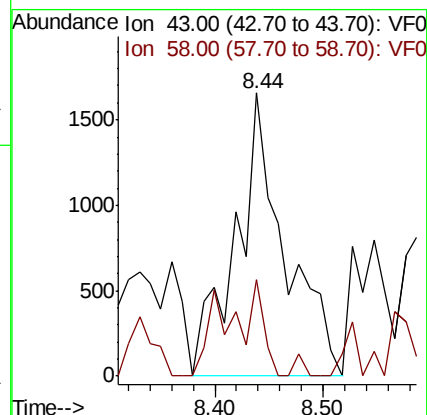
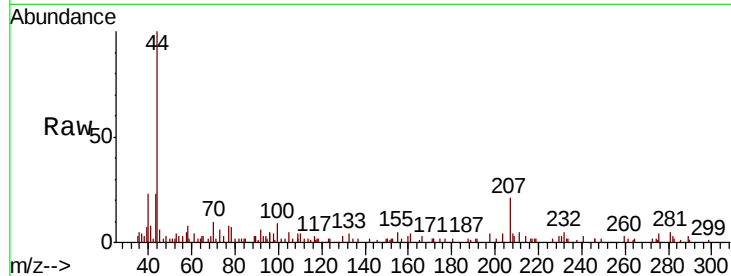
CULVER-CBTC-WC4A-052419

Tot Ion: 43 Resp: 5200

Ion Ratio Lower Upper

43 100

58 33.9 34.9 52.3#



#59

2-Hexanone

Concen: Below Cal

RT: 9.57 min Scan# 917

Delta R.T. -0.06 min

Lab File: VF062765.D

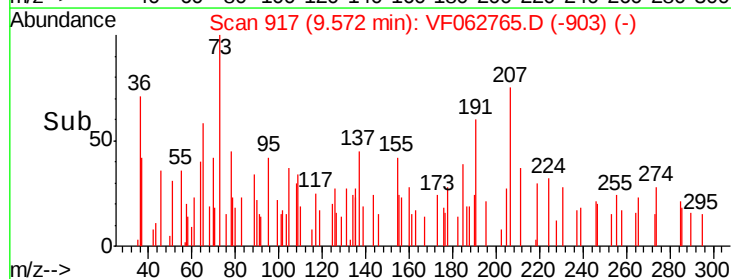
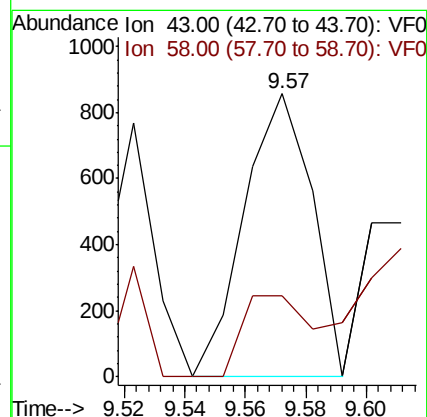
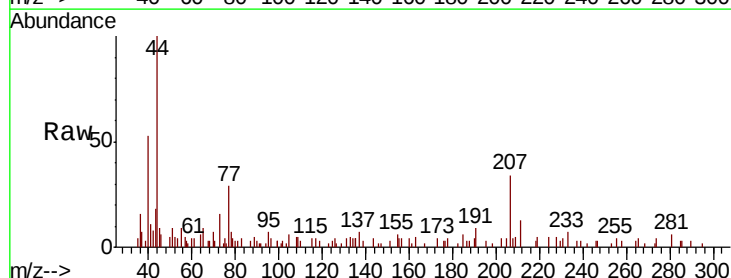
Acq: 28 May 2019 17:26

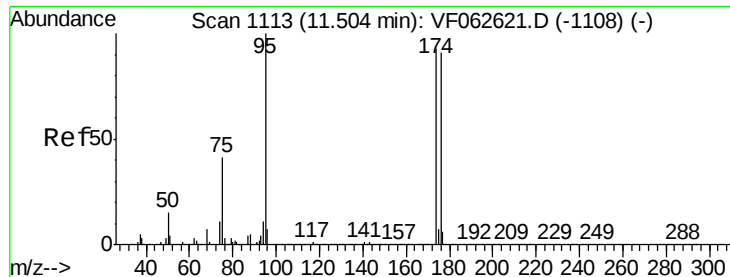
Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

58 28.8 28.1 84.4

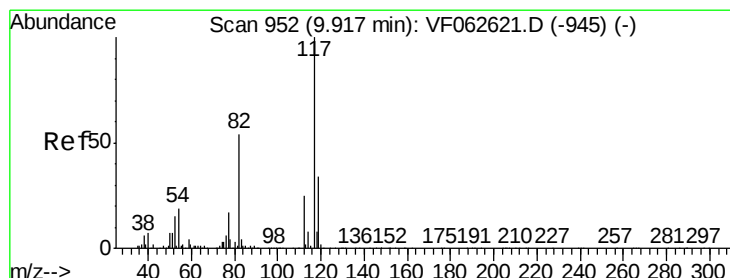
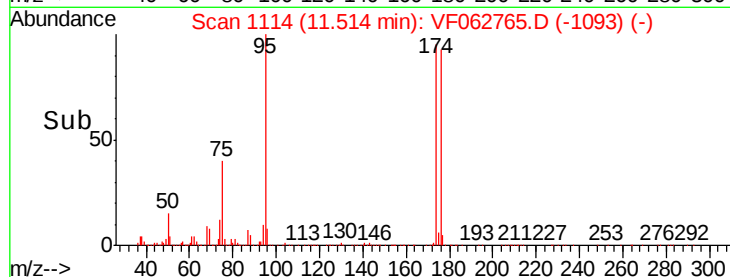
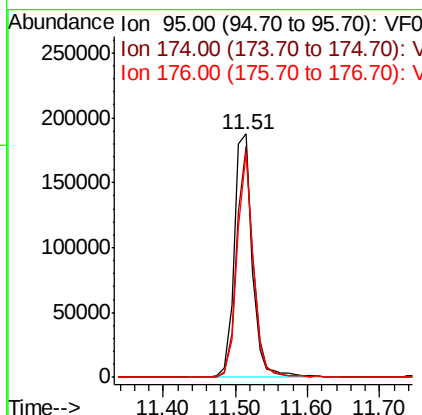
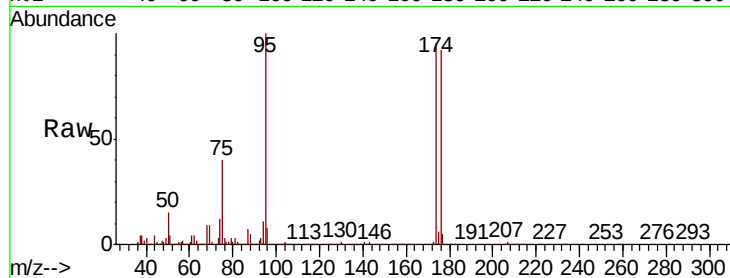




#62
4-Bromofluorobenzene
Concen: 36.826 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF062765.D
Acq: 28 May 2019 17:26

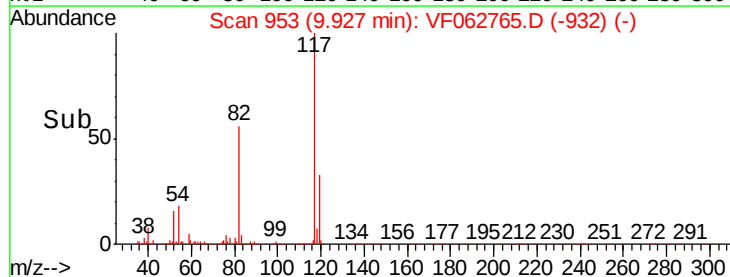
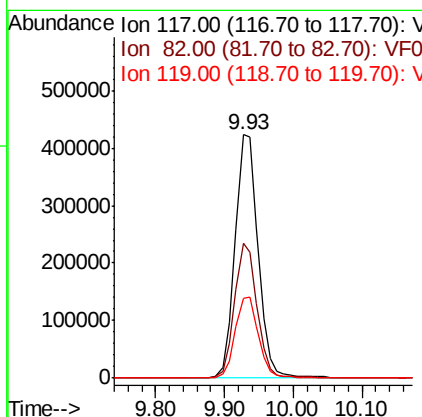
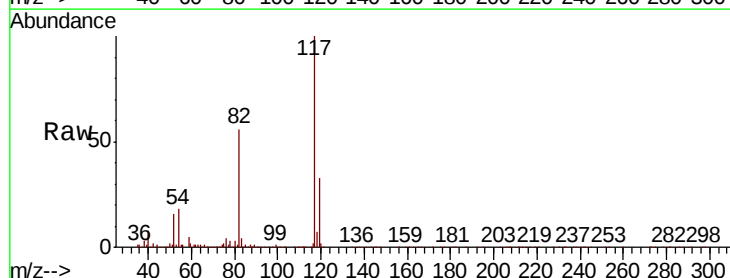
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC4A-052419

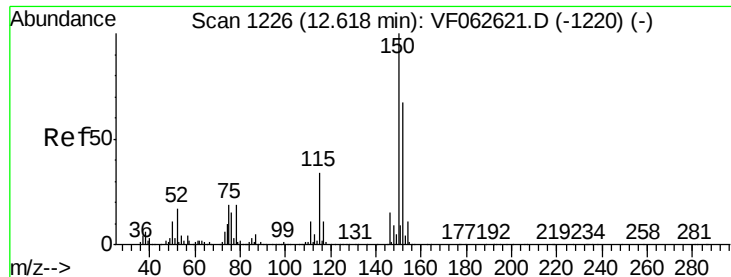
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	185.6
176	92.4	0.0	182.4



#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

Tgt 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

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC4A-052419

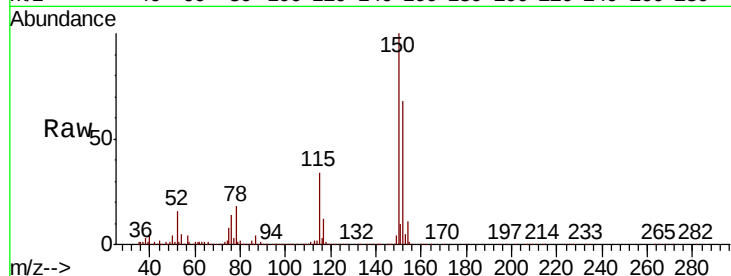
Tot Ion:152 Resp: 366214

Ion Ratio Lower Upper

152 100

115 50.5 25.2 75.6

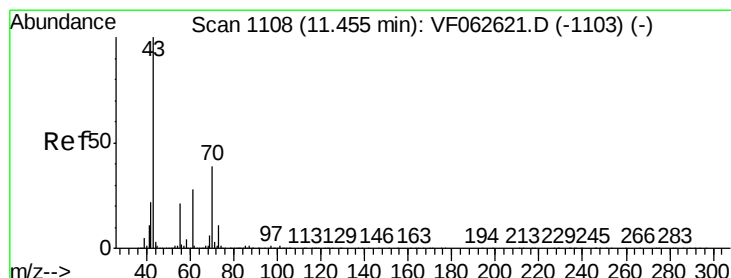
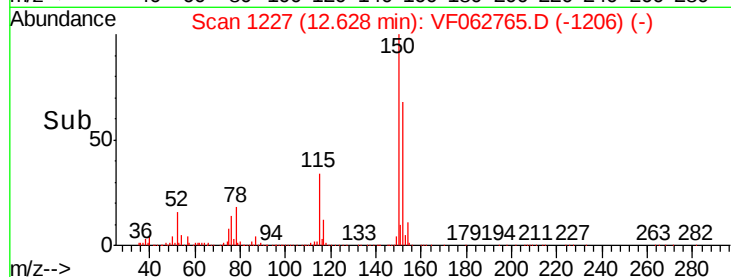
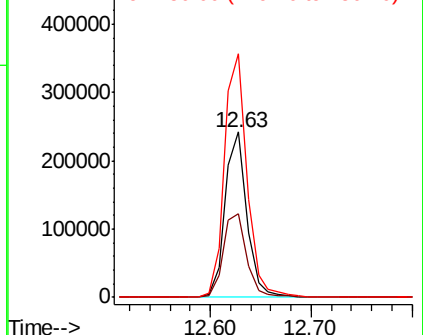
150 147.5 0.0 306.2



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062765.D

Acq: 28 May 2019 17:26

Tgt Ion: 43 Resp: 2824

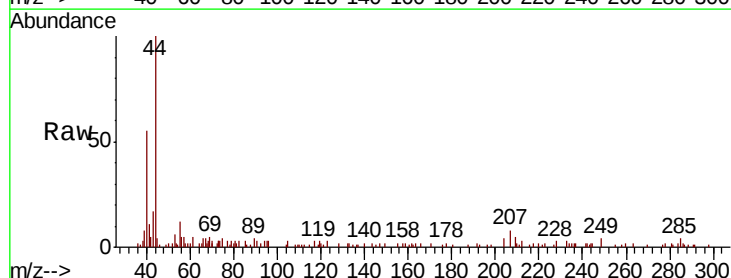
Ion Ratio Lower Upper

43 100

70 32.2 30.9 46.3

55 73.9 17.0 25.4#

61 26.9 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

