

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062766.D
 Acq On : 28 May 2019 17:53
 Operator : FY/SY
 Sample : K3054-06
 Misc : 11.42g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC5A-052419

Quant Time: May 29 01:48:57 2019
 Quant Method : Z:\V0ASRV\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	5.08	168	822834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1402139	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1128611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	455660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	268678	46.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	4.33	113	494893	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
50) Toluene-d8	7.73	98	1122166	43.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.62%	
62) 4-Bromofluorobenzene	11.51	95	404646	41.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.30%	

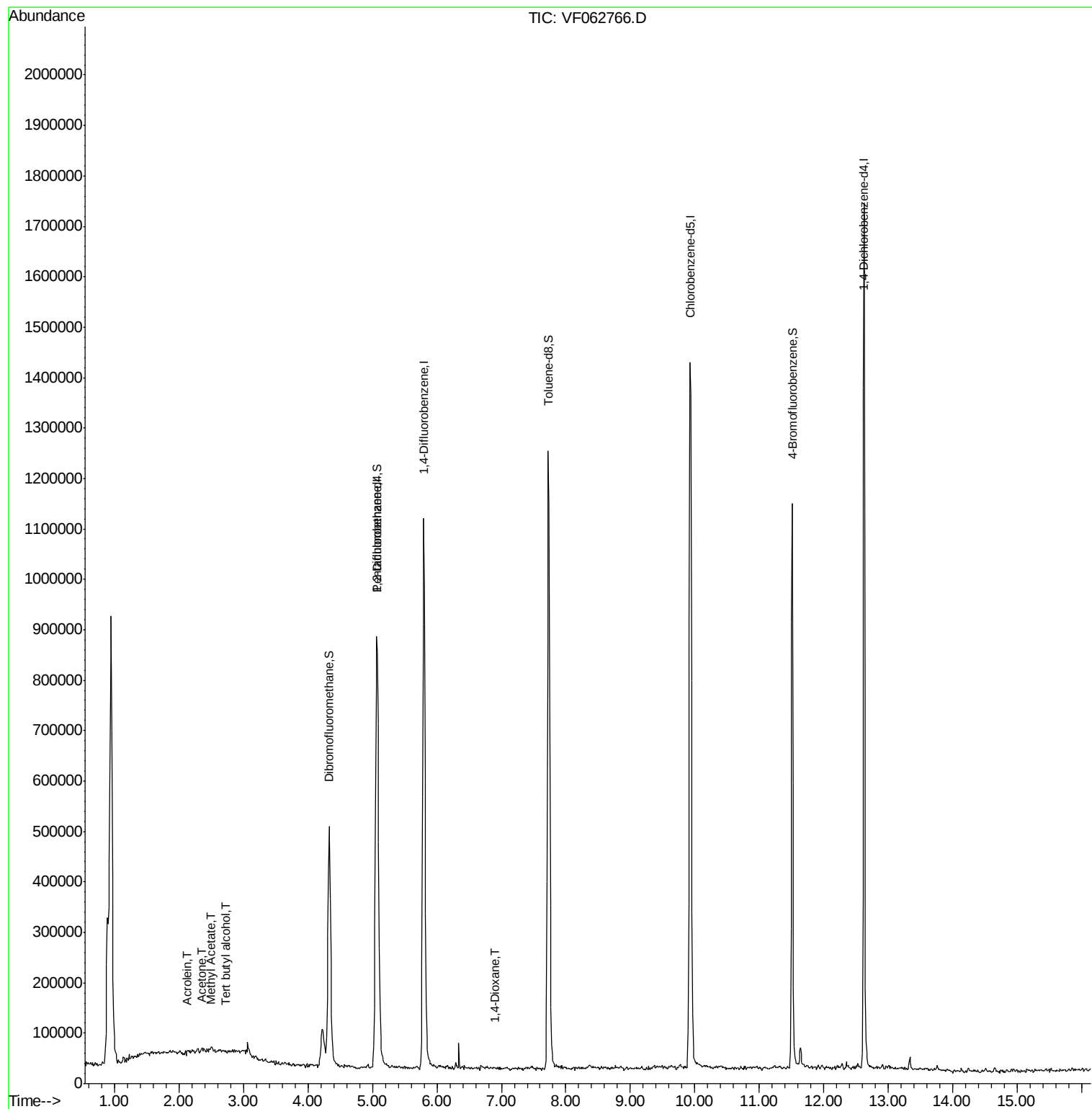
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1486	3.871	ug/l #	1
13) Acrolein	2.12	56	1387	3.461	ug/l #	78
16) Acetone	2.35	43	6161	4.084	ug/l #	77
18) Methyl Acetate	2.48	43	9919	4.184	ug/l #	96
49) 1,4-Dioxane	6.91	88	459	9.022	ug/l #	8
59) 2-Hexanone	9.64	43	2104	Below Cal	#	55
74) N-amyl acetate	11.45	43	1179	Below Cal	#	74

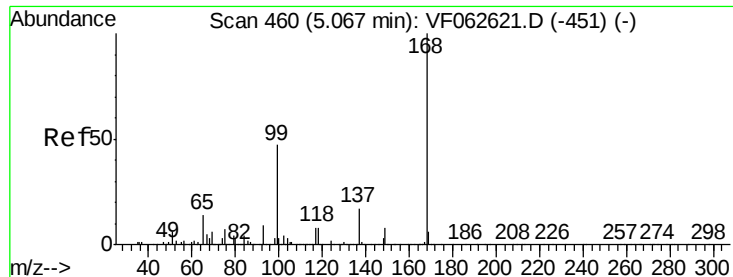
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062766.D

Acq: 28 May 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

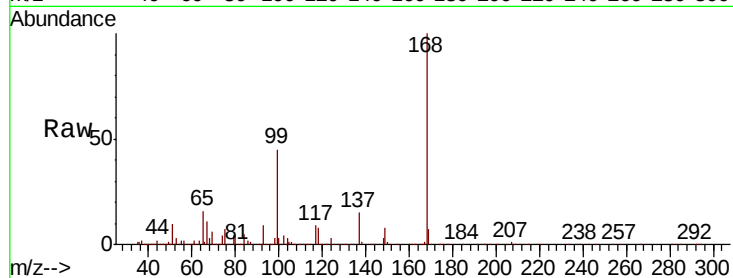
CULVER-CBTC-WC5A-052419

Tot Ion:168 Resp: 822834

Ion Ratio Lower Upper

168 100

99 45.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

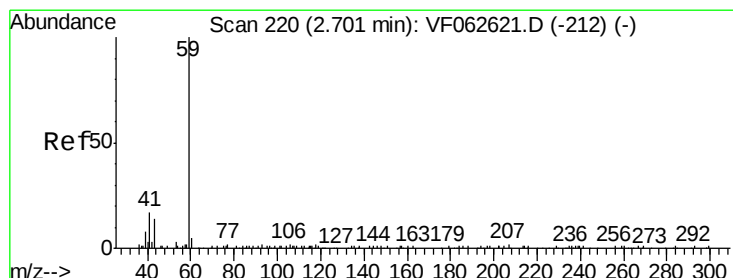
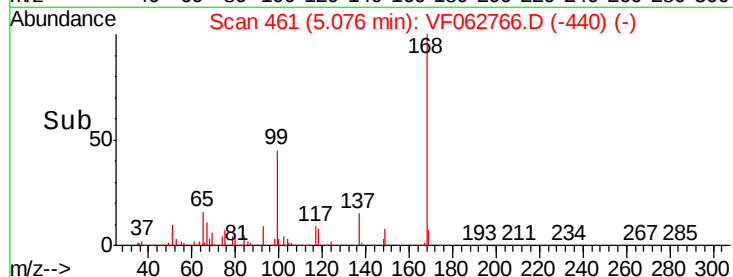
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.871 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062766.D

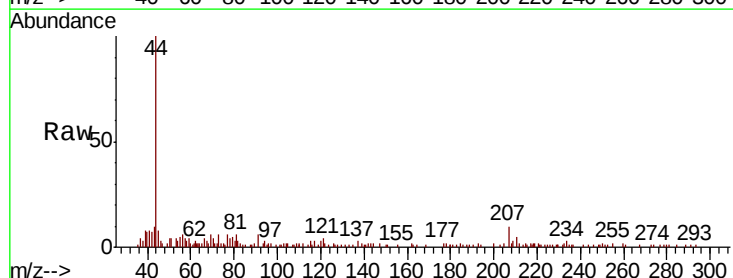
Acq: 28 May 2019 17:53

Tgt Ion: 59 Resp: 1486

Ion Ratio Lower Upper

59 100

57 93.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

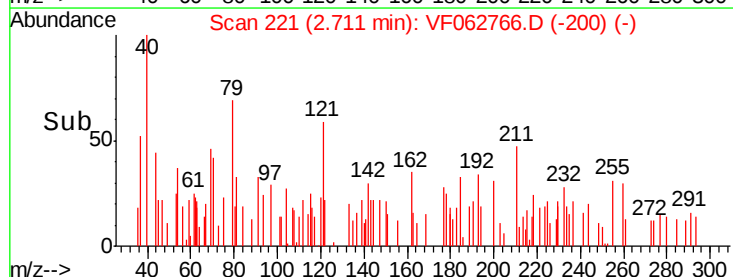
600

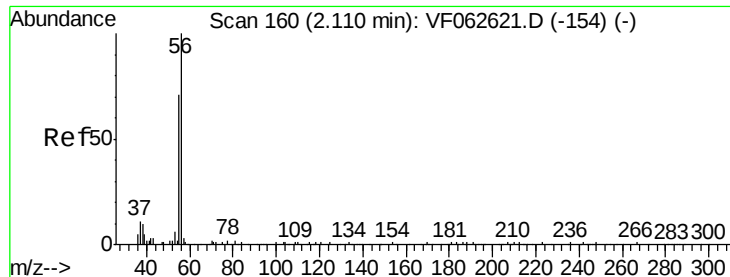
400

200

0

Time-->





#13

Acrolein

Concen: 3.461 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.01 min

Lab File: VF062766.D

Acq: 28 May 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

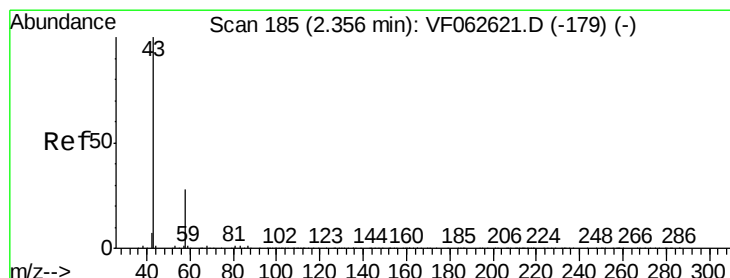
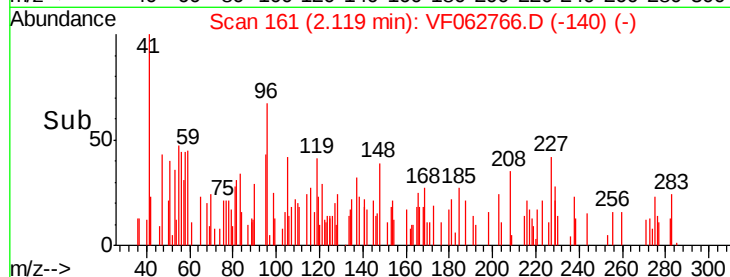
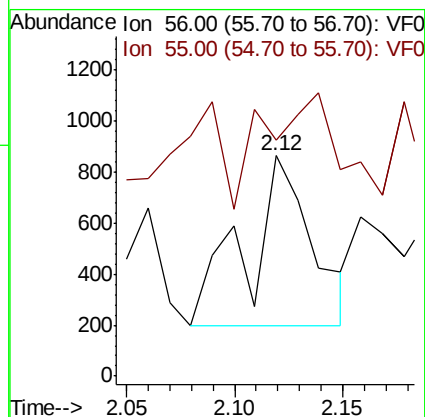
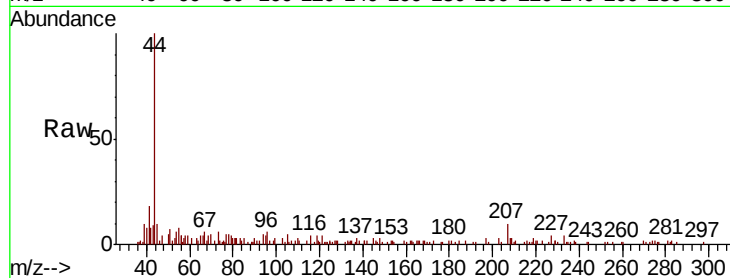
CULVER-CBTC-WC5A-052419

Tot Ion: 56 Resp: 1387

Ion Ratio Lower Upper

56 100

55 93.0 59.4 89.0#



#16

Acetone

Concen: 4.084 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062766.D

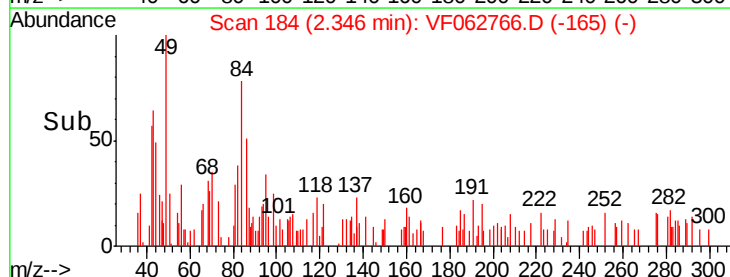
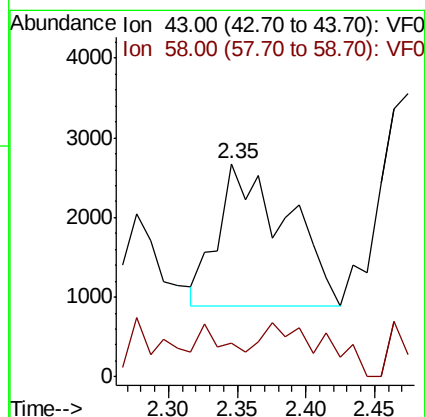
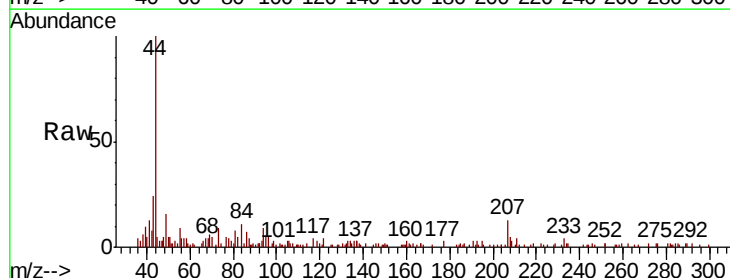
Acq: 28 May 2019 17:53

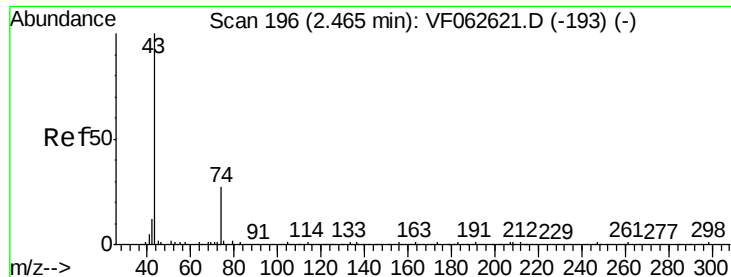
Tgt Ion: 43 Resp: 6161

Ion Ratio Lower Upper

43 100

58 15.9 22.6 33.8#

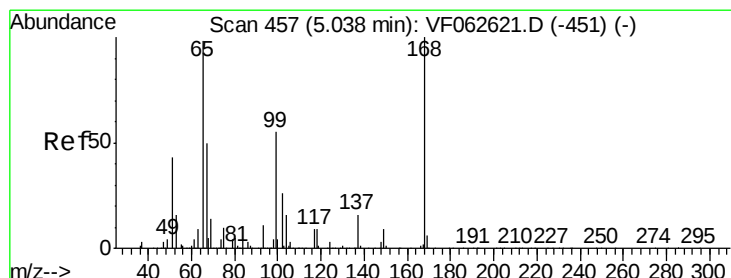
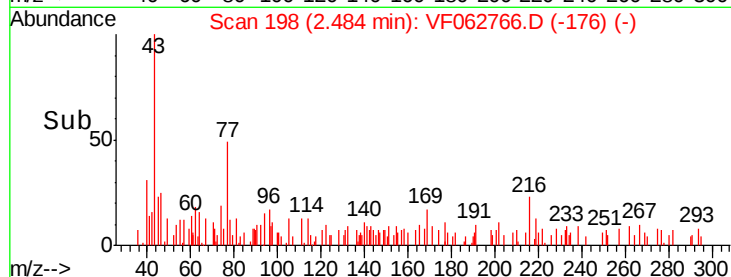
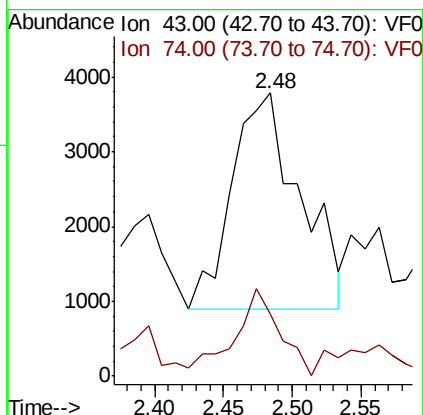
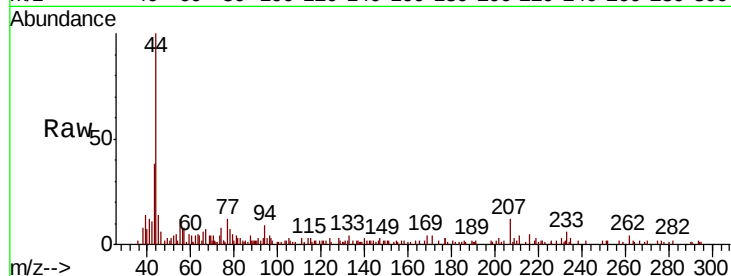




#18
Methvl Acetate
Concen: 4.184 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

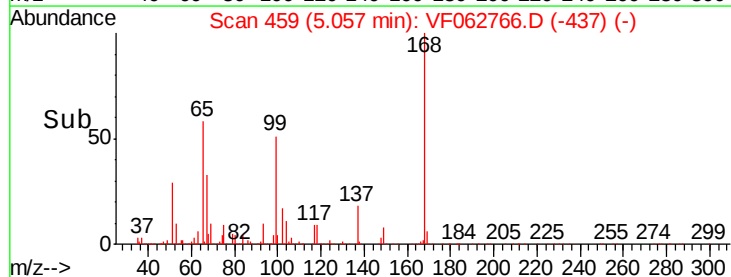
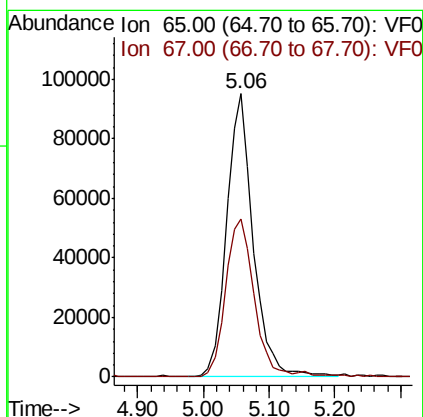
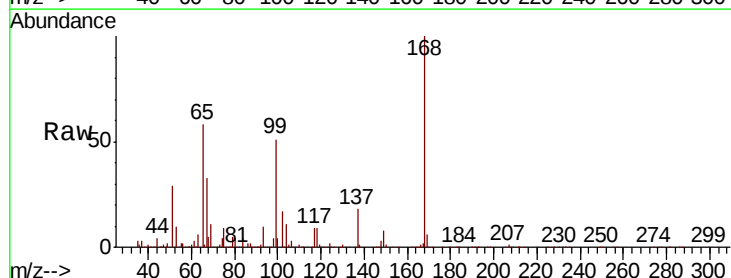
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC5A-052419

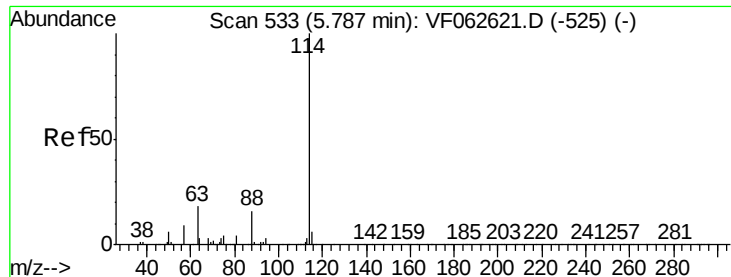
Tot Ion: 43 Resp: 9919
Ion Ratio Lower Upper
43 100
74 21.7 18.9 28.3



#33
1,2-Dichloroethane-d4
Concen: 46.208 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.02 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

Tgt Ion: 65 Resp: 268678
Ion Ratio Lower Upper
65 100
67 56.0 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: VF062766.D

Acq: 28 May 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC5A-052419

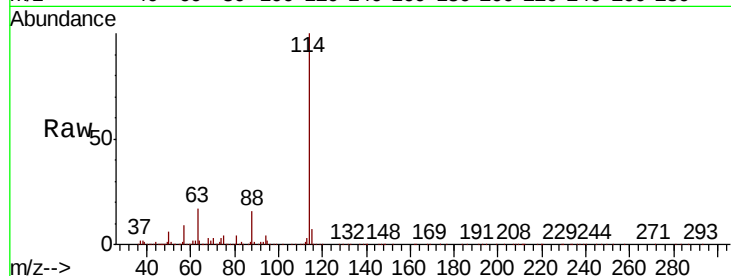
Tot Ion:114 Resp: 1402139

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

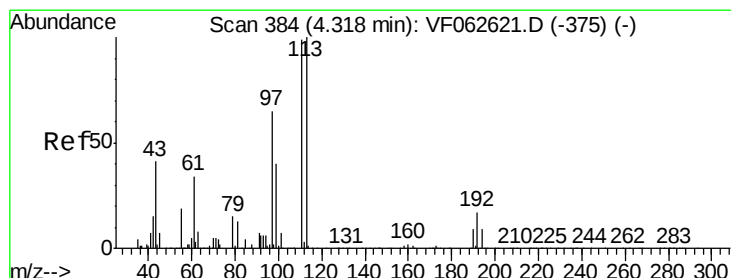
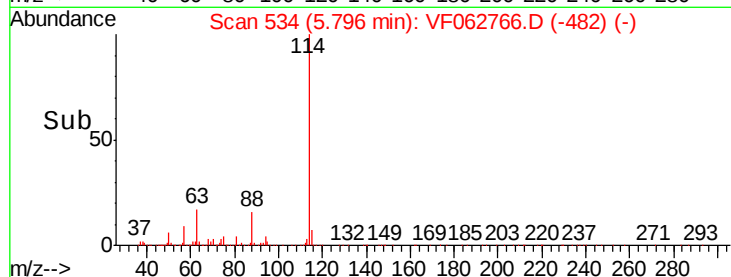
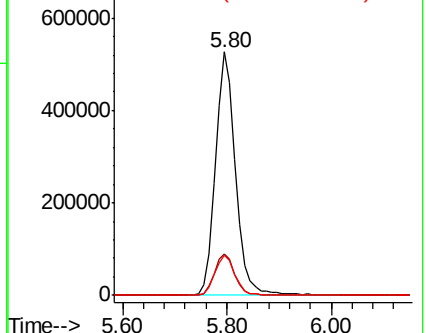
88 16.5 0.0 32.4



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: 46.126 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062766.D

Acq: 28 May 2019 17:53

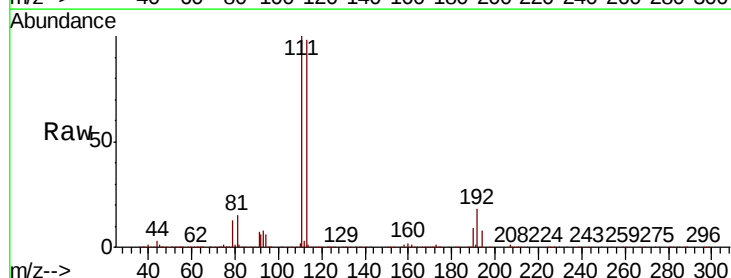
Tgt Ion:113 Resp: 494893

Ion Ratio Lower Upper

113 100

111 102.2 79.4 119.2

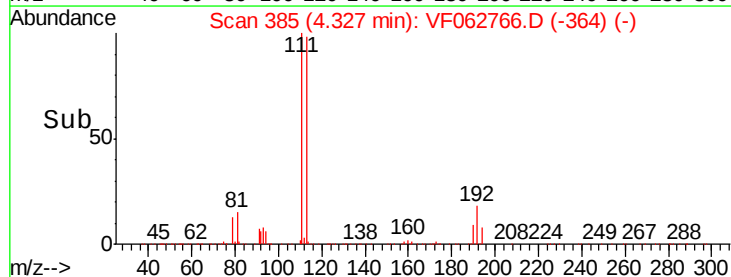
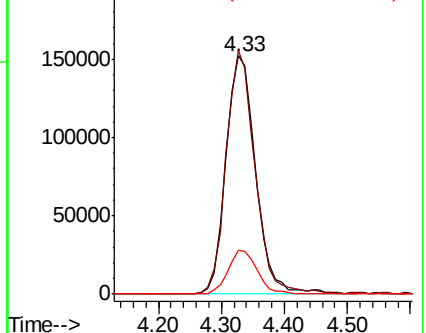
192 18.5 13.4 20.2

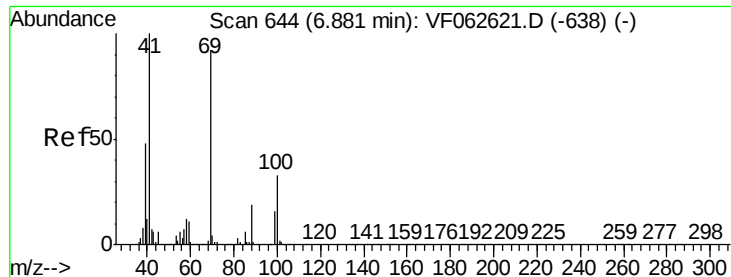


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 9.022 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.03 min

Lab File: VF062766.D

Acq: 28 May 2019 17:53

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC5A-052419

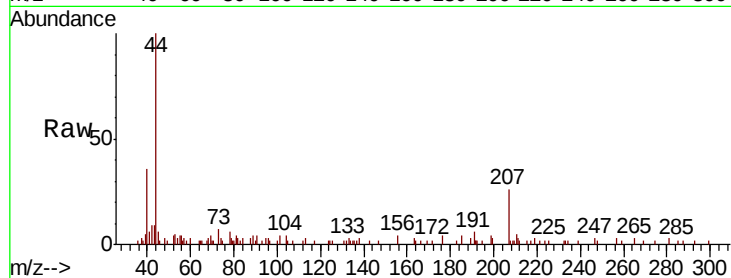
Tot Ion: 88 Resp: 459

Ion Ratio Lower Upper

88 100

43 148.1 30.0 45.0#

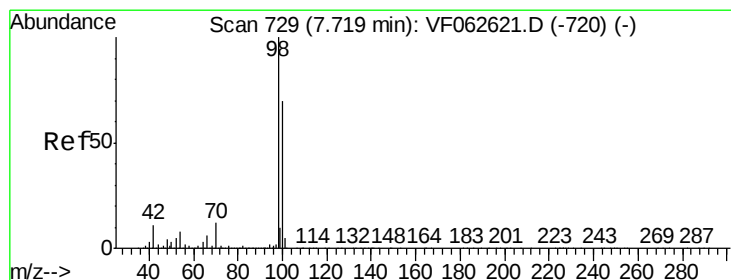
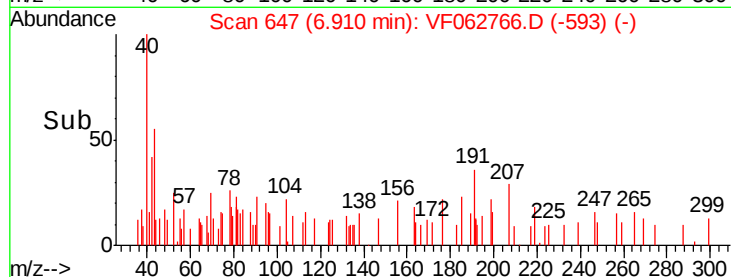
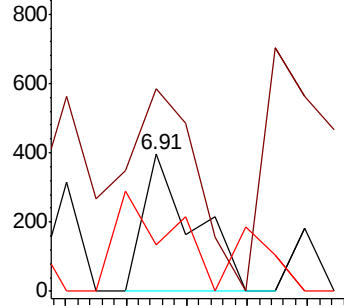
58 33.9 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 43.805 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062766.D

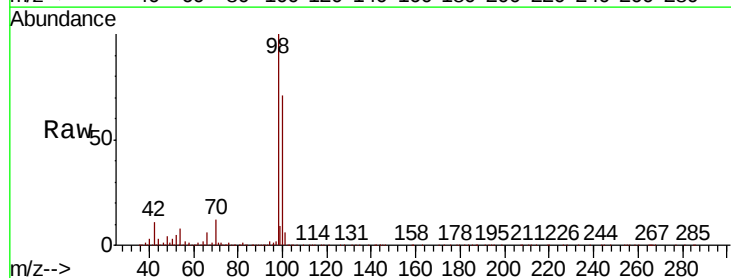
Acq: 28 May 2019 17:53

Tgt Ion: 98 Resp: 1122166

Ion Ratio Lower Upper

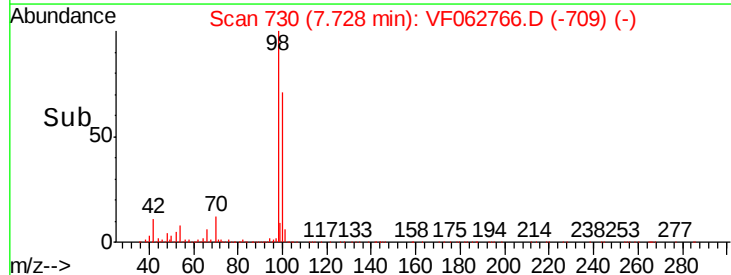
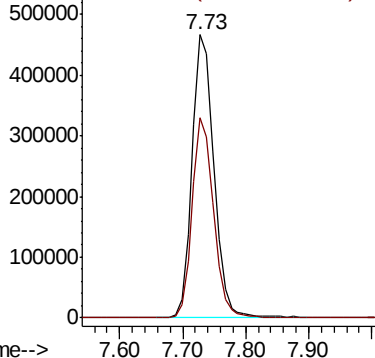
98 100

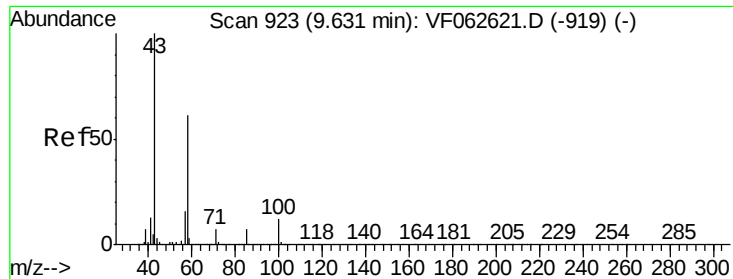
100 70.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

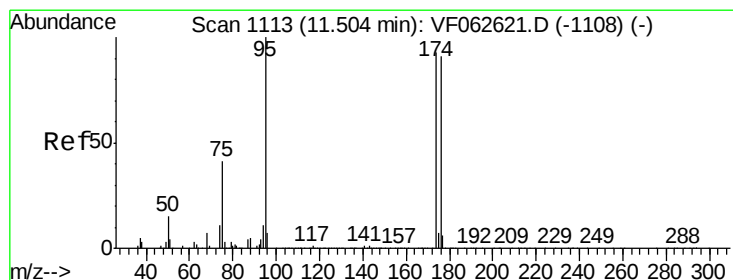
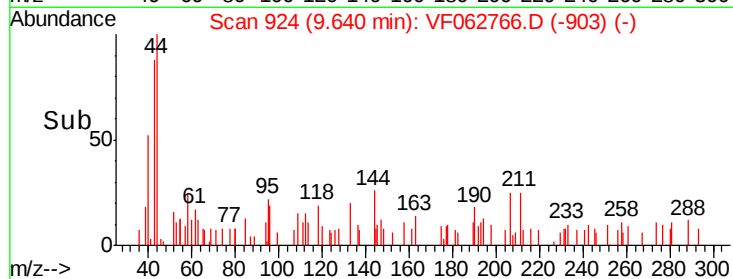
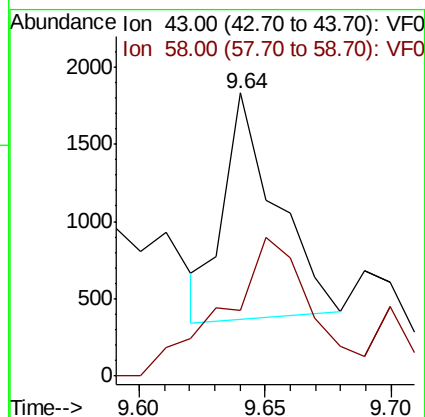
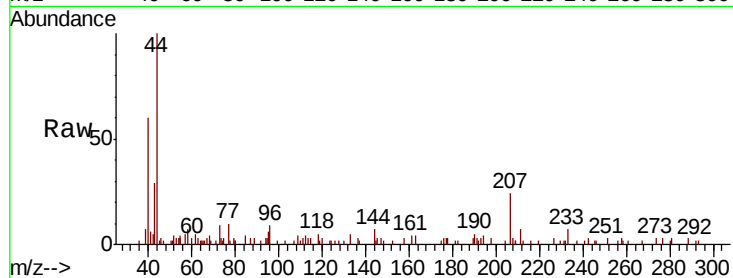




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

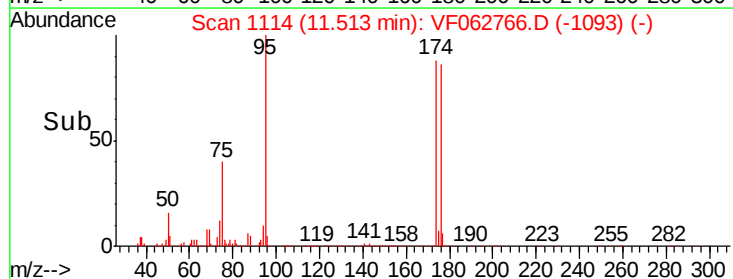
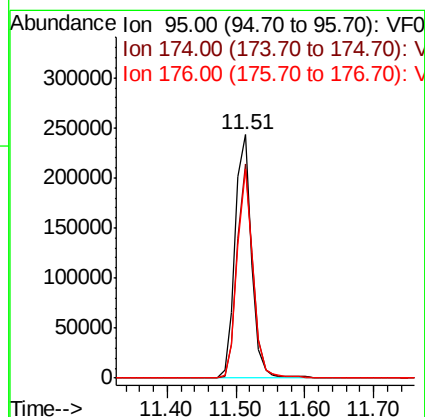
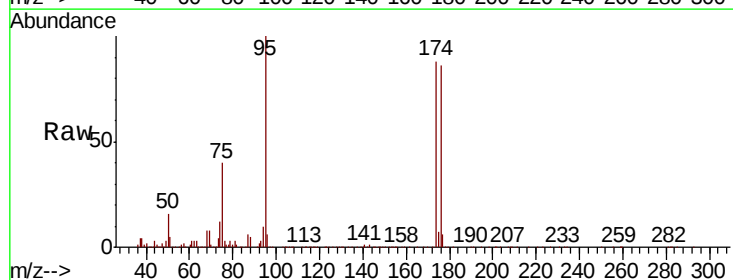
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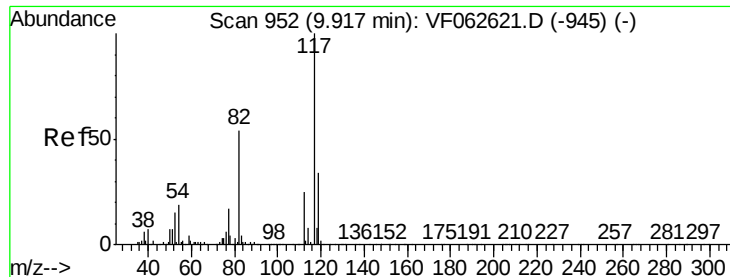
Tot Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 23.4 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 41.648 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

Tgt Ion: 95 Resp: 404646
Ion Ratio Lower Upper
95 100
174 88.1 0.0 185.6
176 85.9 0.0 182.4

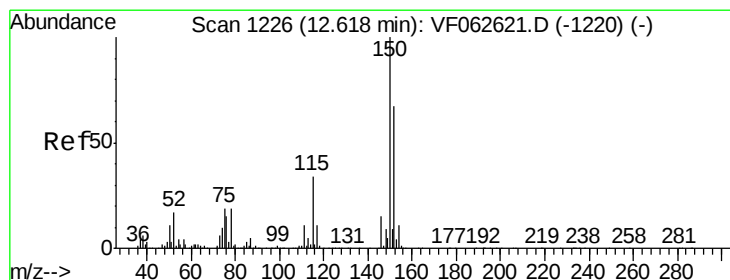
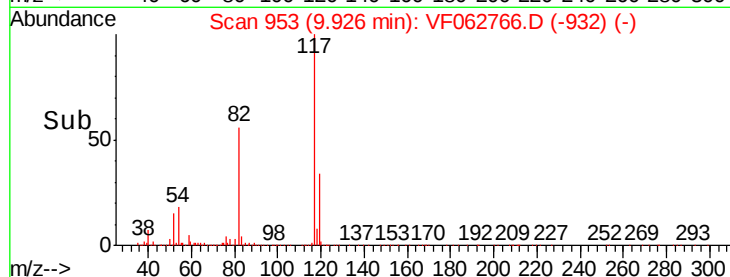
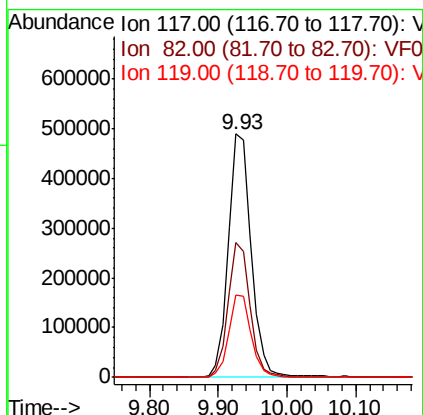
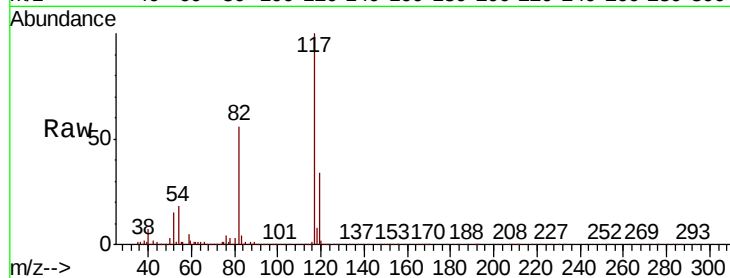




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

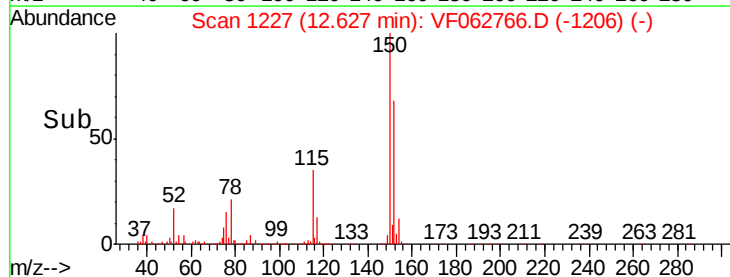
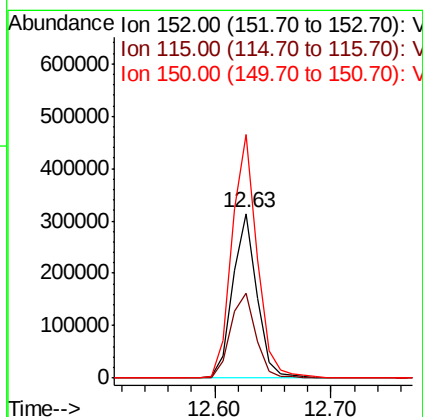
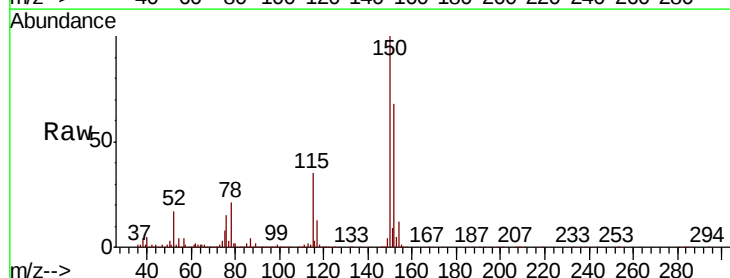
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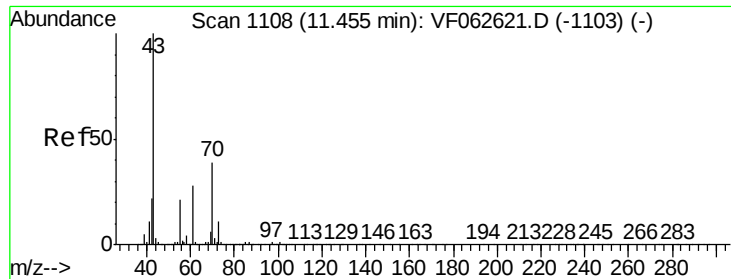
Tot Ion:117 Resp: 1128611
Ion Ratio Lower Upper
117 100
82 55.5 43.3 64.9
119 33.6 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062766.D
Acq: 28 May 2019 17:53

Tgt Ion:152 Resp: 455660
Ion Ratio Lower Upper
152 100
115 51.6 25.2 75.6
150 147.7 0.0 306.2





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.45 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VF062766.D
 Acq: 28 May 2019 17:53

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC5A-052419

Tot Ion:	43	Resp:	1179
Ion	Ratio	Lower	Upper
43	100		
70	17.2	30.9	46.3#
55	32.6	17.0	25.4#
61	19.9	22.6	34.0#

