

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062763.D
 Acq On : 28 May 2019 16:30
 Operator : FY/SY
 Sample : K3054-03
 Misc : 12.30g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CULVER-CBTC-WC2A-052419

Quant Time: May 29 01:48:26 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	5.08	168	863896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1474655	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1207490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	546686	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	242476	39.72	ug/l	0.00
Spiked Amount						
			Recovery	=	79.44%	
35) Dibromofluoromethane	4.33	113	484716	42.96	ug/l	0.00
Spiked Amount						
			Recovery	=	85.92%	
50) Toluene-d8	7.73	98	1114691	41.37	ug/l	0.00
Spiked Amount						
			Recovery	=	82.74%	
62) 4-Bromofluorobenzene	11.50	95	408654	39.99	ug/l	0.00
Spiked Amount						
			Recovery	=	79.98%	

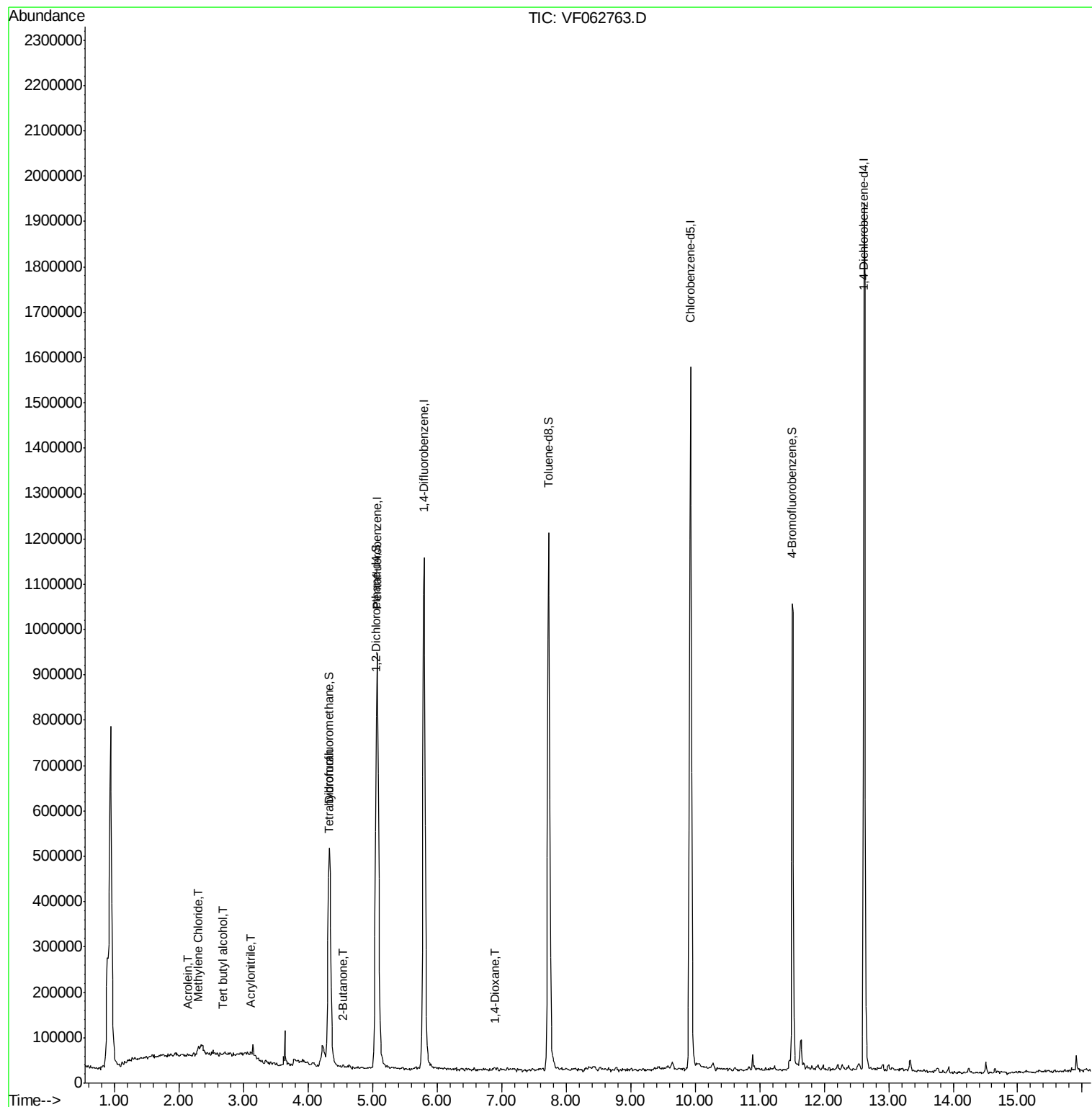
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	3134	7.776	ug/l #	90
13) Acrolein	2.13	56	1501	3.568	ug/l	97
15) Acrylonitrile	3.12	53	3487	3.067	ug/l #	53
20) Methylene Chloride	2.31	84	9903	1.247	ug/l #	90
25) 2-Butanone	4.55	43	4363	1.289	ug/l #	78
29) Tetrahydrofuran	4.31	42	5048	3.687	ug/l	95
49) 1,4-Dioxane	6.88	88	1147	21.435	ug/l #	37
59) 2-Hexanone	9.65	43	13965	Below Cal		82
74) N-amyl acetate	11.45	43	16104	Below Cal	#	90

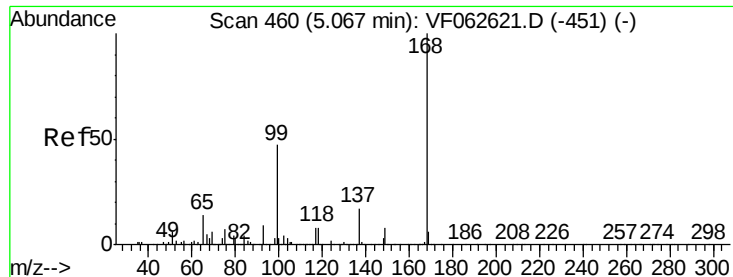
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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: VF062763.D

Acq: 28 May 2019 16:30

Instrument :

MSVOA_F

ClientSampleId :

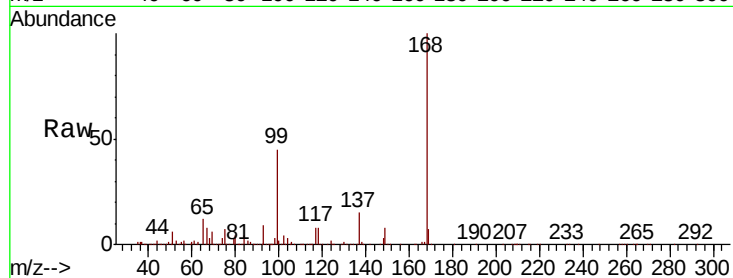
CULVER-CBTC-WC2A-052419

Tot Ion:168 Resp: 863896

Ion Ratio Lower Upper

168 100

99 45.0 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

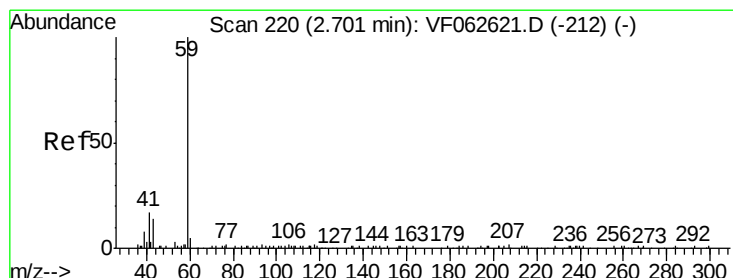
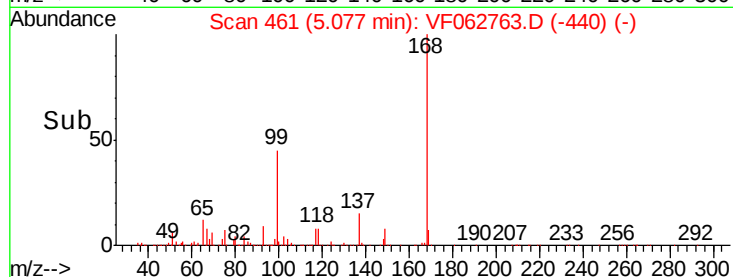
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.776 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062763.D

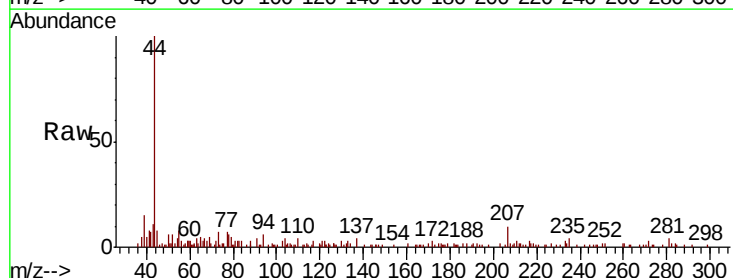
Acq: 28 May 2019 16:30

Tgt Ion: 59 Resp: 3134

Ion Ratio Lower Upper

59 100

57 15.4 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

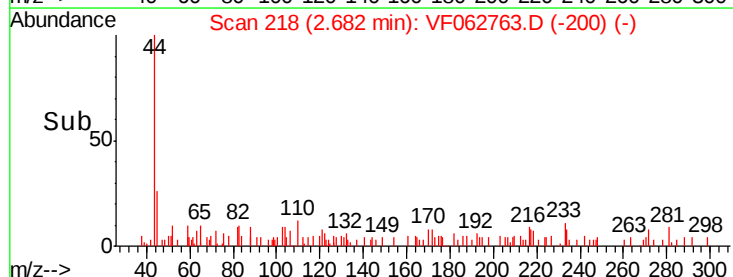
2.68

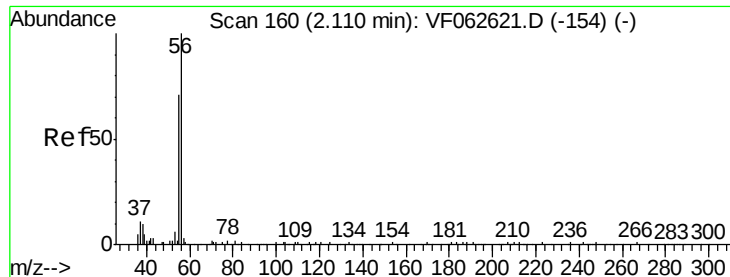
1000

500

0

Time-->





#13

Acrolein

Concen: 3.568 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.02 min

Lab File: VF062763.D

Acq: 28 May 2019 16:30

Instrument :

MSVOA_F

ClientSampleId :

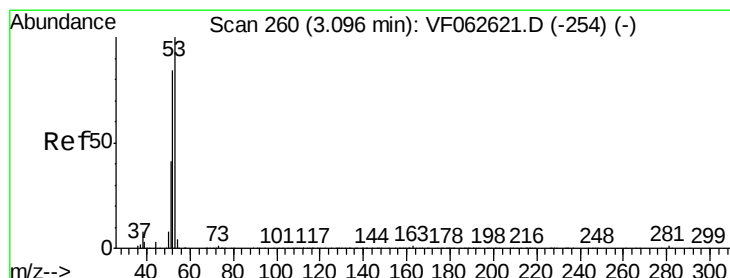
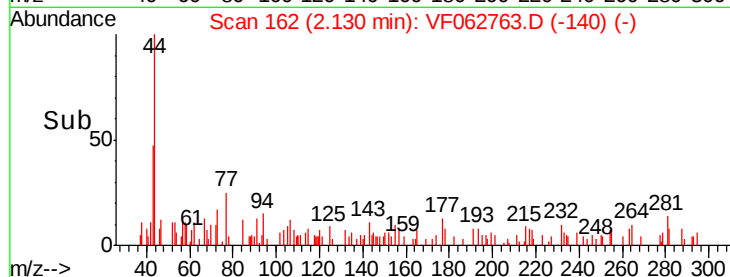
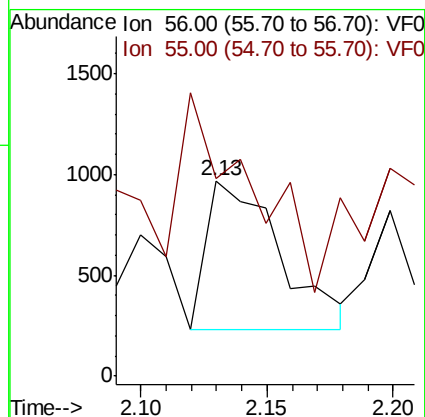
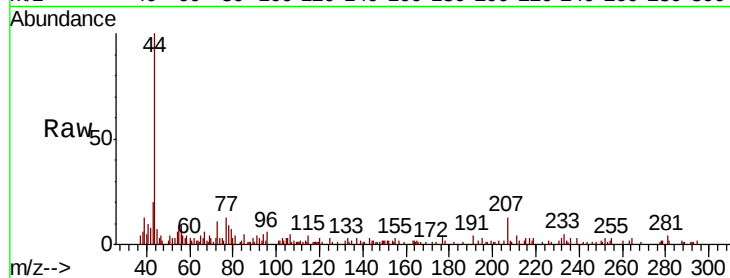
CULVER-CBTC-WC2A-052419

Tot Ion: 56 Resp: 1501

Ion Ratio Lower Upper

56 100

55 72.0 59.4 89.0



#15

Acrylonitrile

Concen: 3.067 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062763.D

Acq: 28 May 2019 16:30

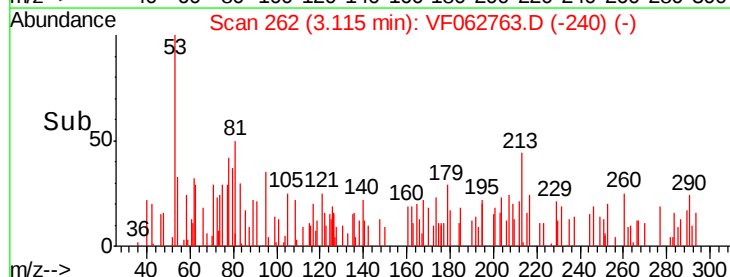
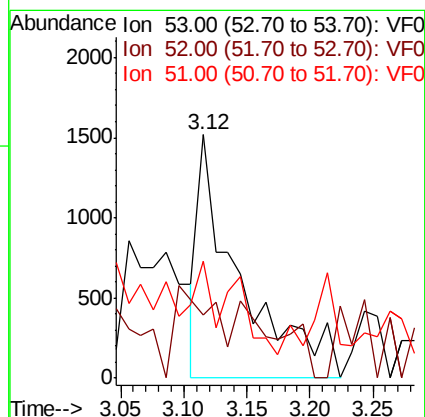
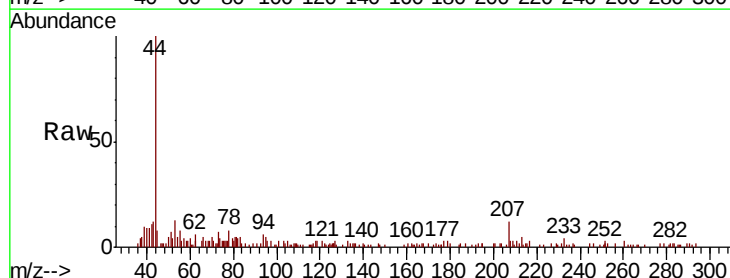
Tgt Ion: 53 Resp: 3487

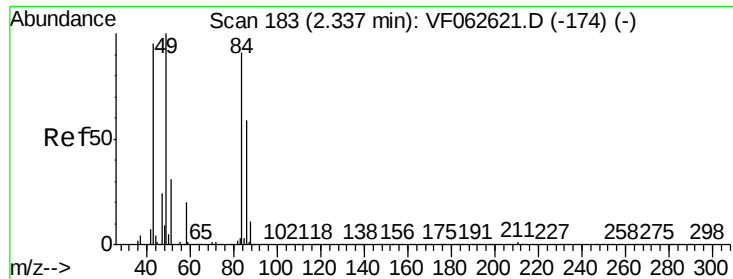
Ion Ratio Lower Upper

53 100

52 26.0 67.3 100.9#

51 48.3 33.0 49.6

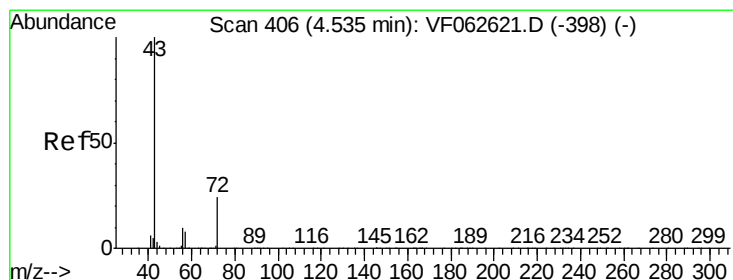
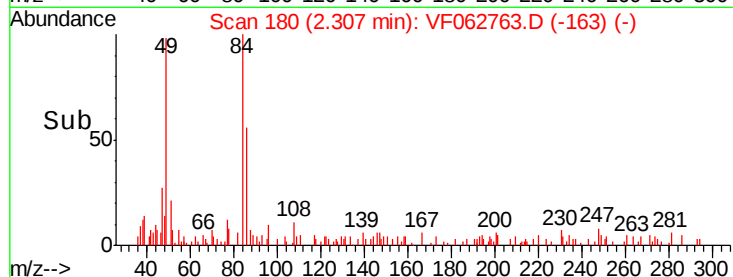
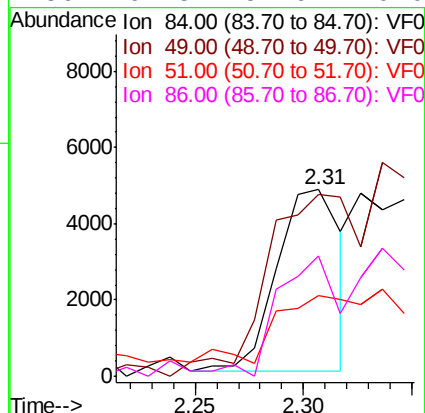
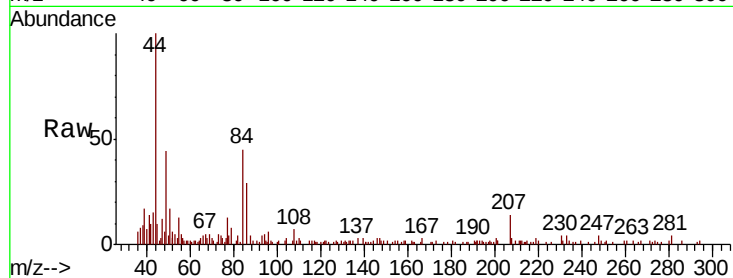




#20
Methvlene Chloride
Concen: 1.247 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

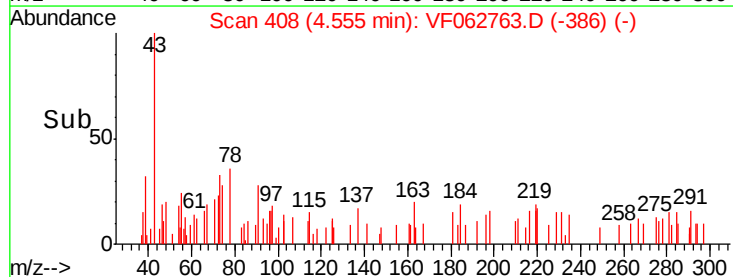
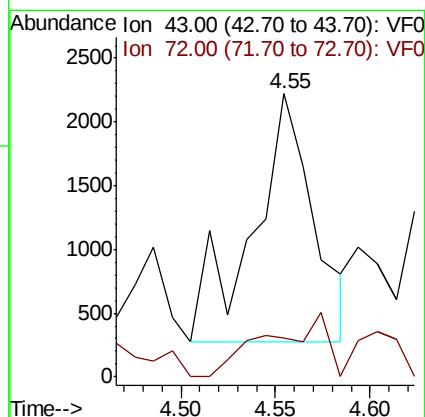
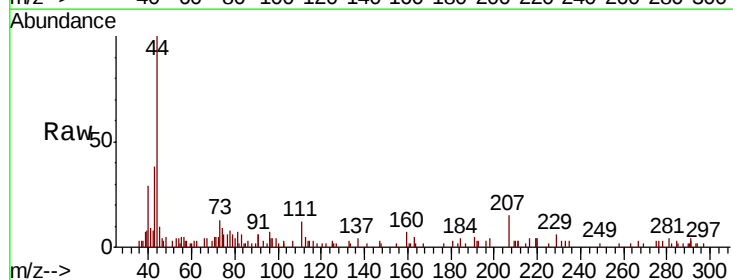
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC2A-052419

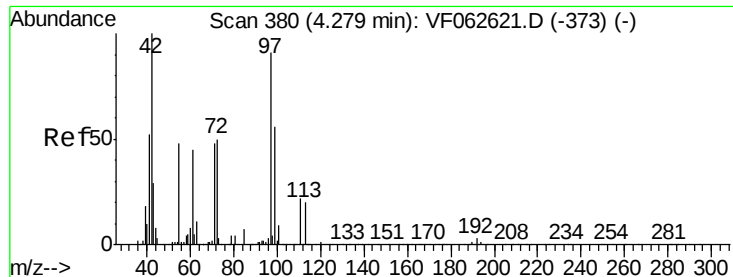
Tot Ion:	84	Resp:	9903
Ion	Ratio	Lower	Upper
84	100		
49	97.6	89.8	134.8
51	43.1	28.4	42.6#
86	64.5	52.6	79.0



#25
2-Butanone
Concen: 1.289 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

Tgt Ion:	43	Resp:	4363
Ion	Ratio	Lower	Upper
43	100		
72	13.8	20.1	30.1#





#29

Tetrahydrofuran

Concen: 3.687 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.03 min

Lab File: VF062763.D

Acq: 28 May 2019 16:30

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC2A-052419

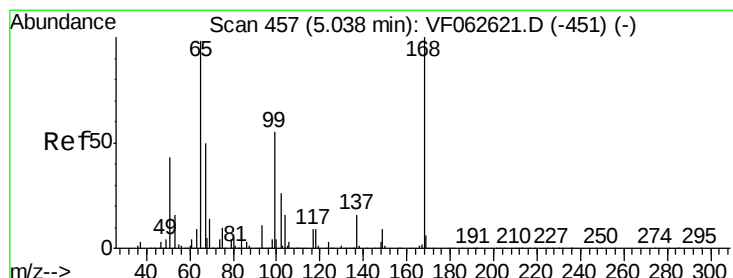
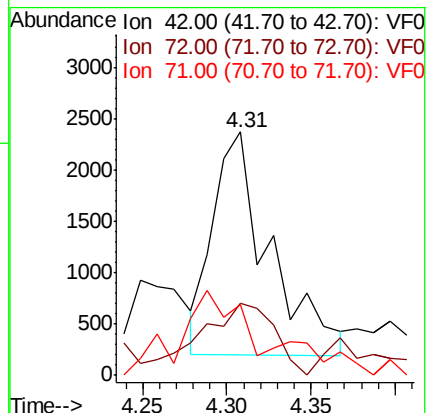
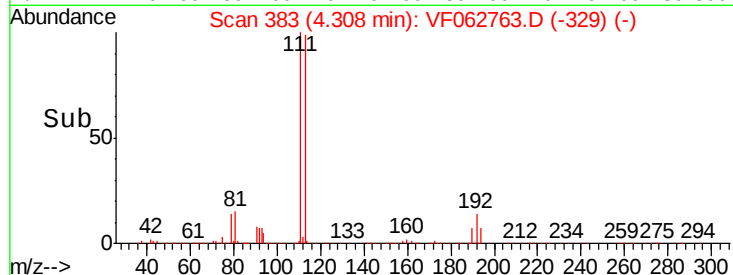
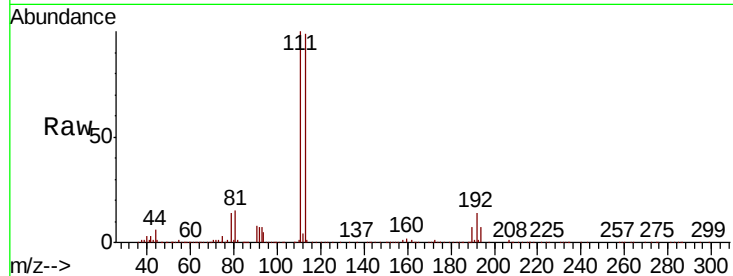
Tot Ion: 42 Resp: 5048

Ion Ratio Lower Upper

42 100

72 41.1 38.2 57.2

71 44.2 35.8 53.6



#33

1,2-Dichloroethane-d4

Concen: 39.719 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062763.D

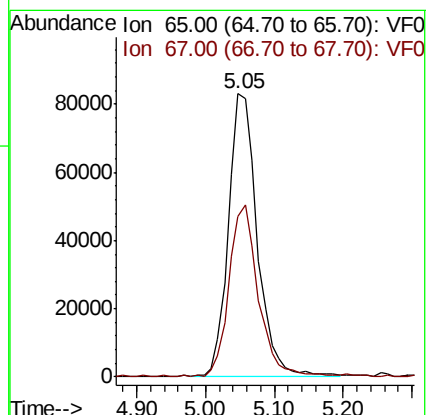
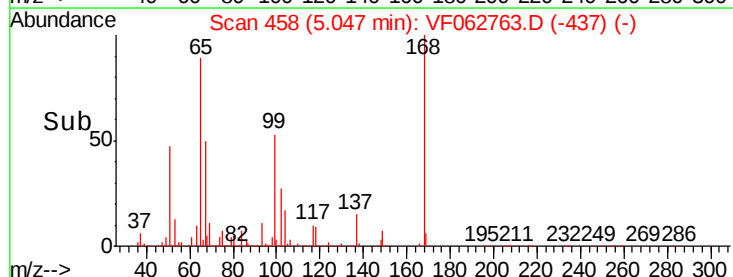
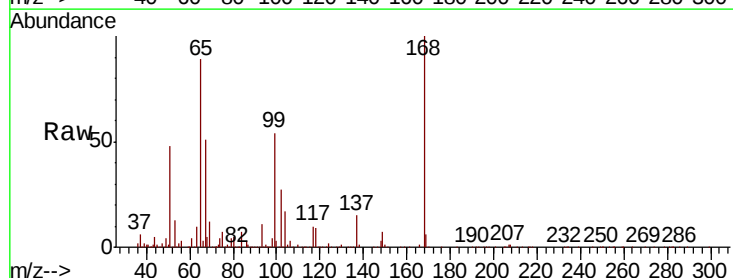
Acq: 28 May 2019 16:30

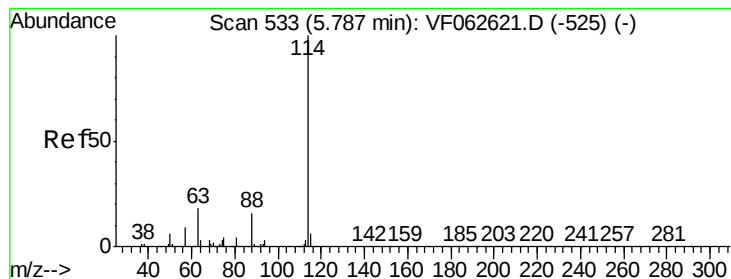
Tgt Ion: 65 Resp: 242476

Ion Ratio Lower Upper

65 100

67 56.6 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: VF062763.D

Acq: 28 May 2019 16:30

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC2A-052419

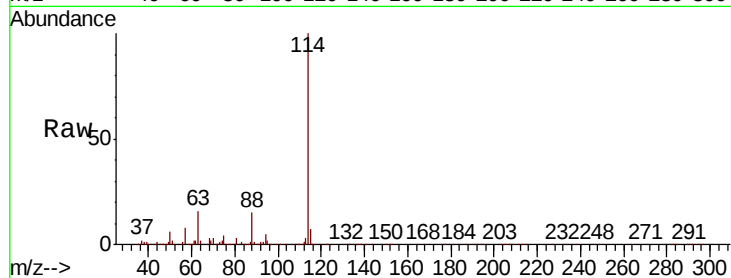
Tot Ion:114 Resp: 1474655

Ion Ratio Lower Upper

114 100

63 16.0 0.0 35.4

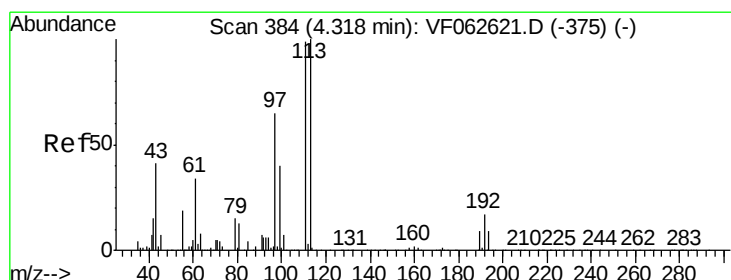
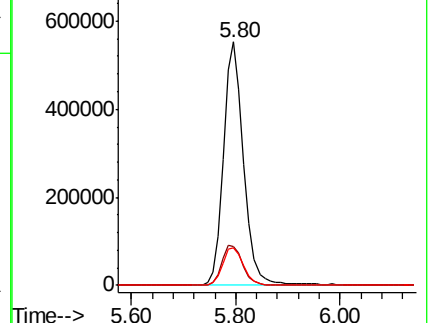
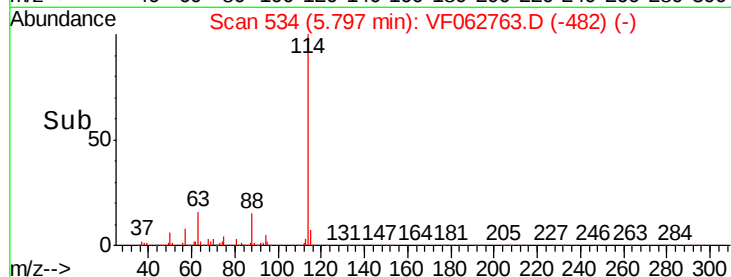
88 15.5 0.0 32.4



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: 42.956 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062763.D

Acq: 28 May 2019 16:30

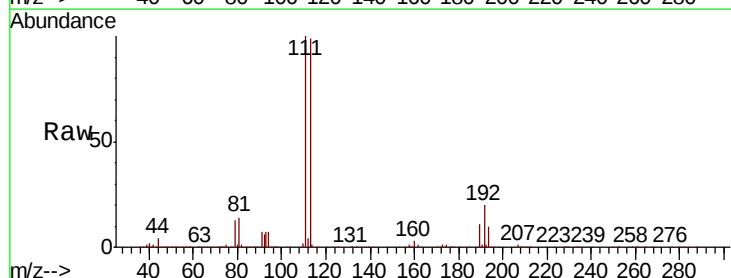
Tgt Ion:113 Resp: 484716

Ion Ratio Lower Upper

113 100

111 100.9 79.4 119.2

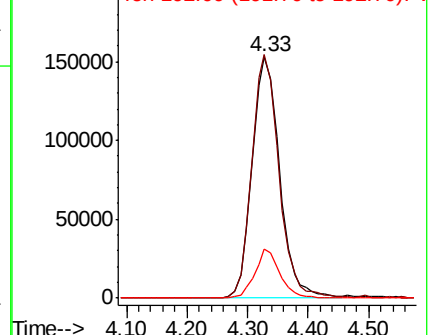
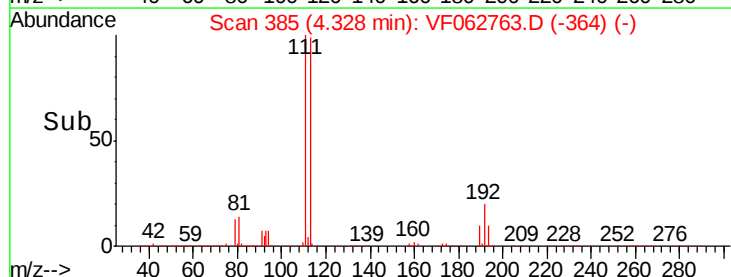
192 20.6 13.4 20.2#

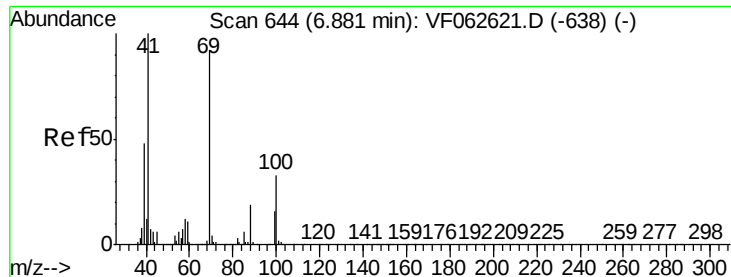


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 21.435 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062763.D

Acq: 28 May 2019 16:30

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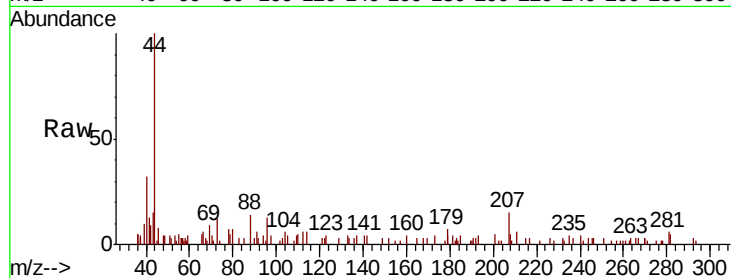
Tot Ion: 88 Resp: 1147

Ion Ratio Lower Upper

88 100

43 110.4 30.0 45.0#

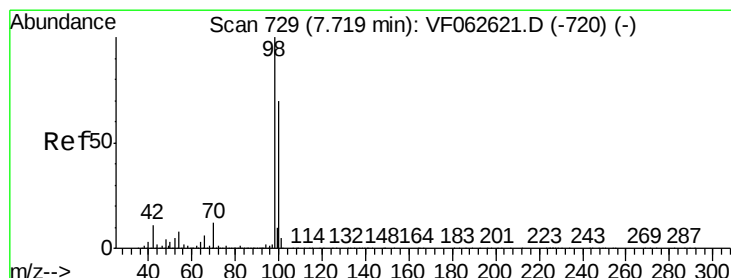
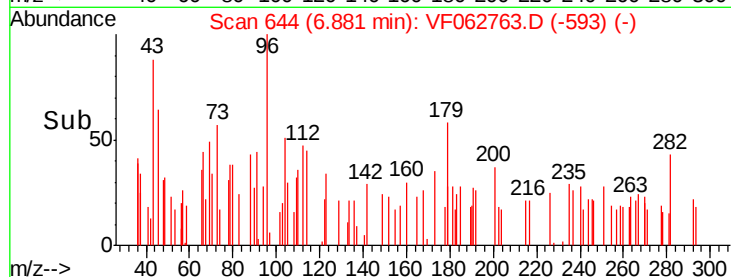
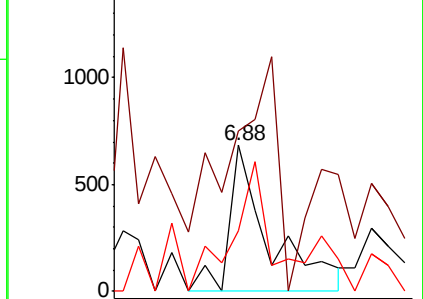
58 41.7 51.1 76.7#



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: 41.374 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062763.D

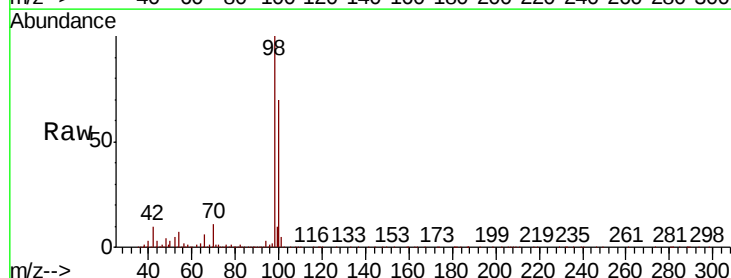
Acq: 28 May 2019 16:30

Tgt Ion: 98 Resp: 1114691

Ion Ratio Lower Upper

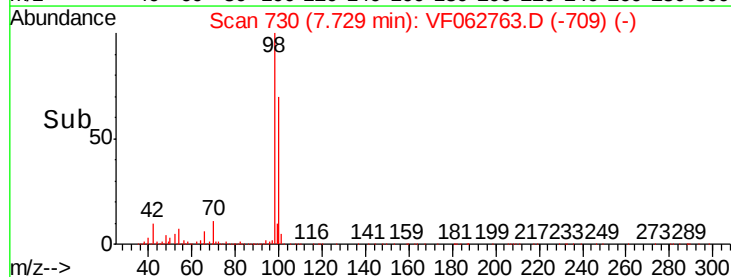
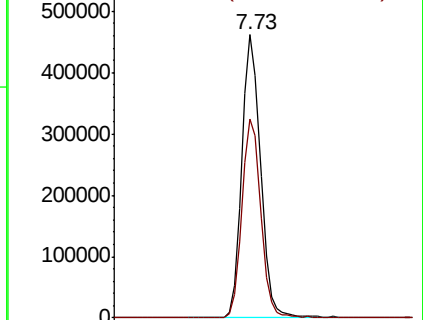
98 100

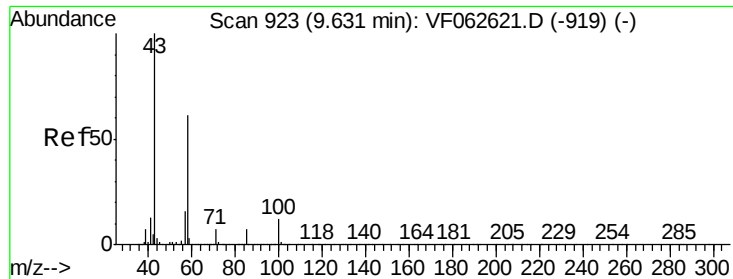
100 70.2 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

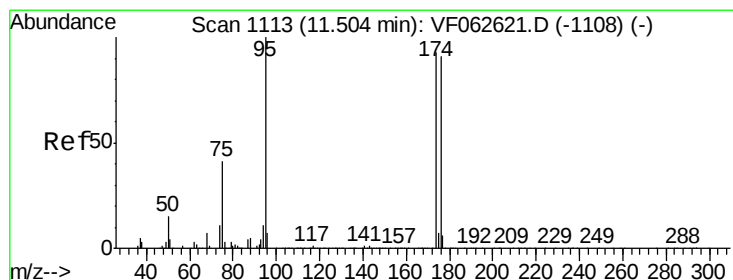
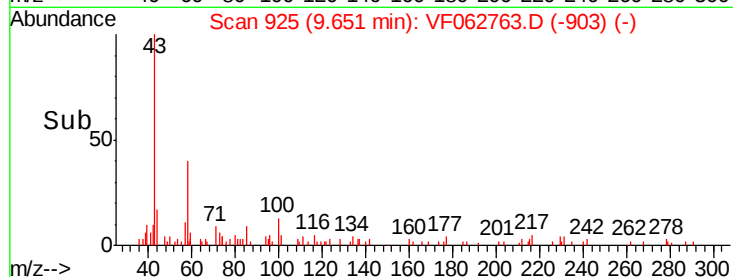
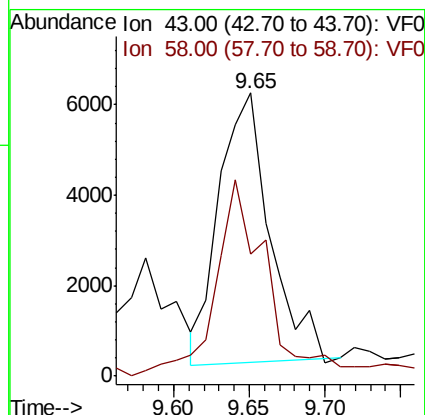
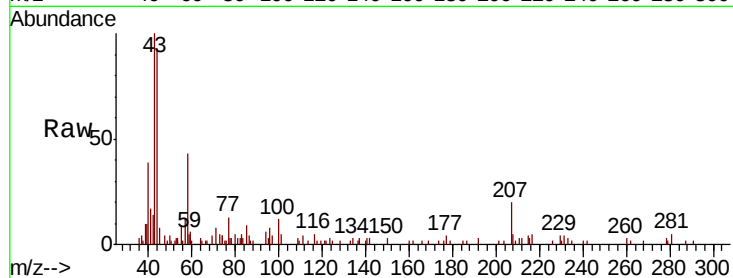




#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

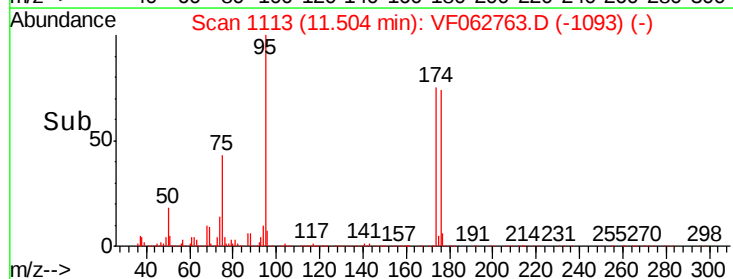
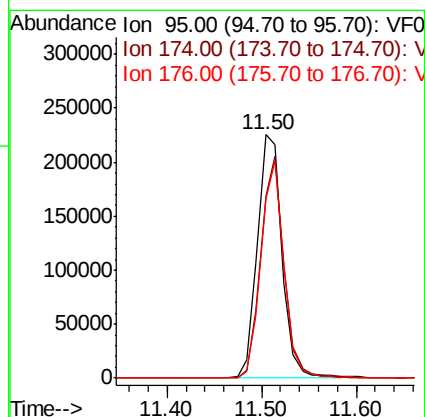
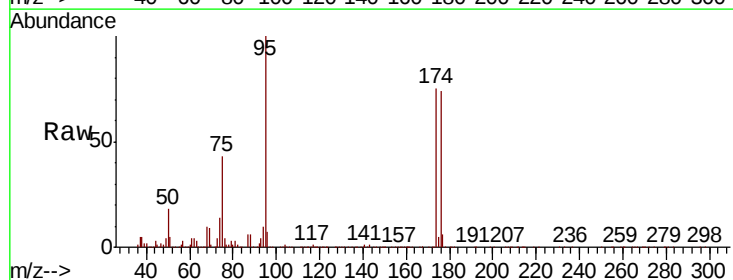
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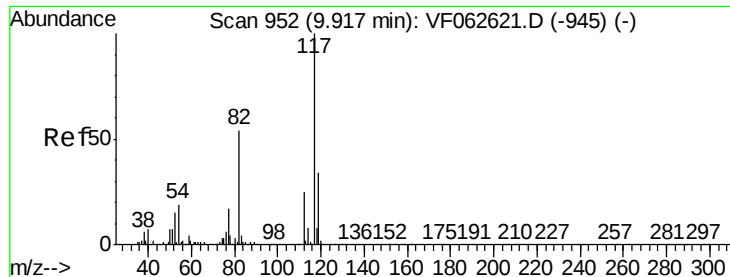
Tot Ion: 43 Resp: 13965
Ion Ratio Lower Upper
43 100
58 43.4 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 39.992 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

Tgt Ion: 95 Resp: 408654
Ion Ratio Lower Upper
95 100
174 75.0 0.0 185.6
176 74.0 0.0 182.4

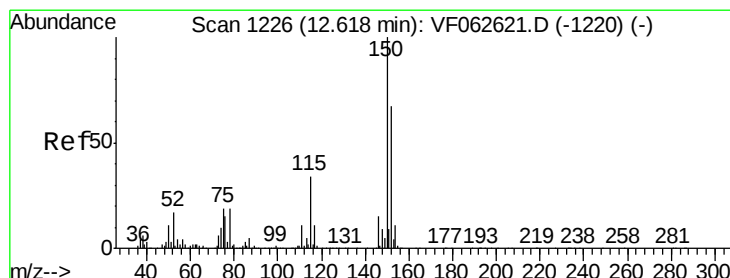
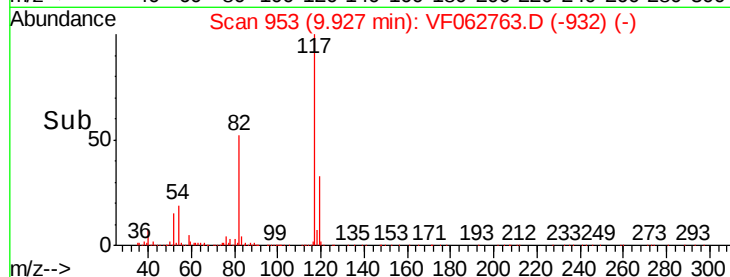
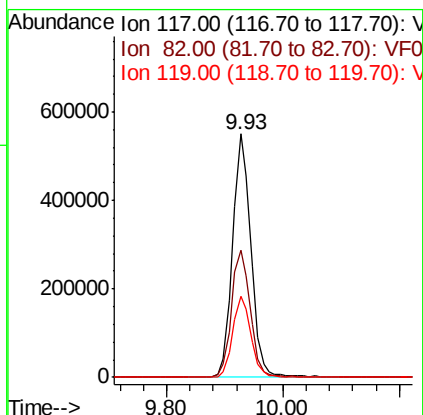
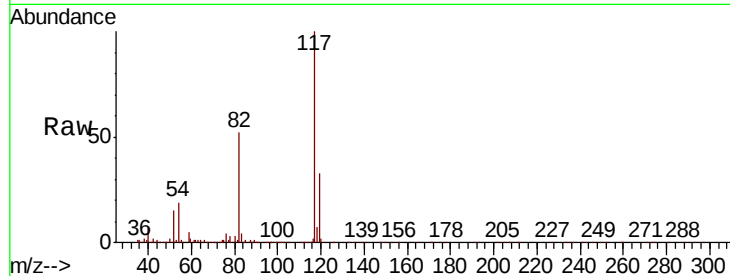




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

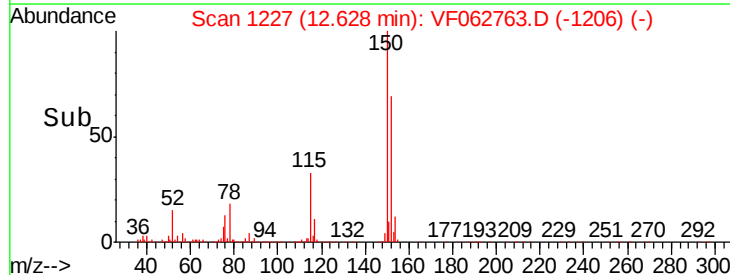
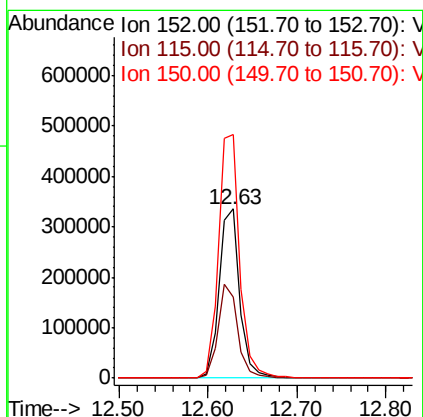
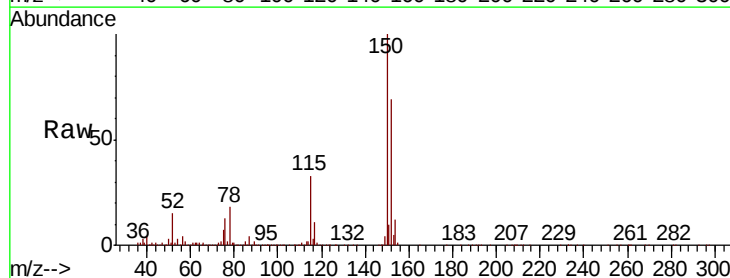
Instrument :
MSVOA_F
ClientSampleId :
CULVER-CBTC-WC2A-052419

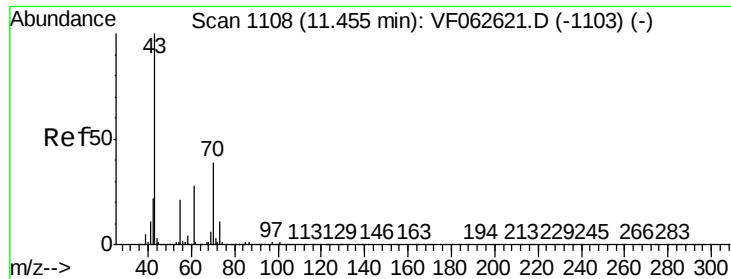
Tot Ion:117 Resp: 1207490
Ion Ratio Lower Upper
117 100
82 52.4 43.3 64.9
119 33.2 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062763.D
Acq: 28 May 2019 16:30

Tgt Ion:152 Resp: 546686
Ion Ratio Lower Upper
152 100
115 47.7 25.2 75.6
150 144.2 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: VF062763.D

Acq: 28 May 2019 16:30

Instrument :

MSVOA_F

ClientSampleId :

CULVER-CBTC-WC2A-052419

Tot Ion: 43 Resp: 16104

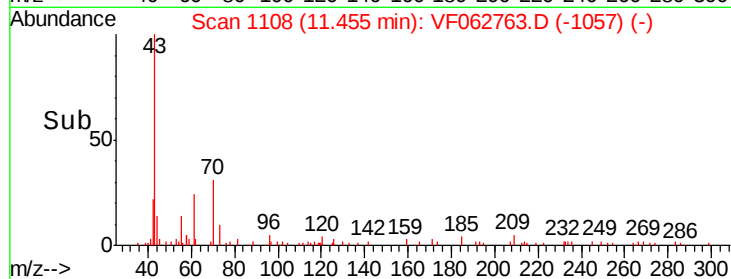
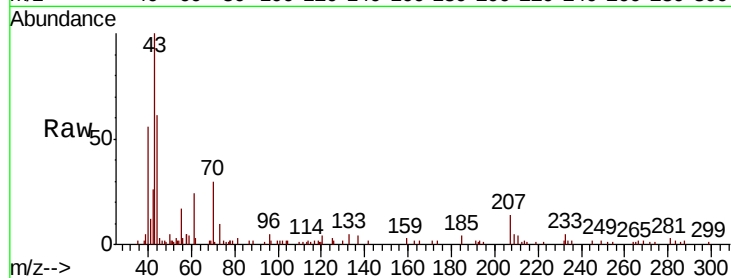
Ion Ratio Lower Upper

43 100

70 30.4 30.9 46.3#

55 17.1 17.0 25.4

61 24.4 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

