

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059552.D
 Acq On : 19 Jul 2018 11:07
 Operator : VA/AP
 Sample : J4036-02
 Misc : 10.76g/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-08-0-2

Quant Time: Jul 19 14:41:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	201996	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	306610	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.91	117	312558	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	175135	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	161766	51.49	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.98%	
35) Dibromofluoromethane	4.28	113	138314	52.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.18%	
50) Toluene-d8	7.70	98	276423	41.32	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.64%	
62) 4-Bromofluorobenzene	11.50	95	158371	45.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	90.26%	

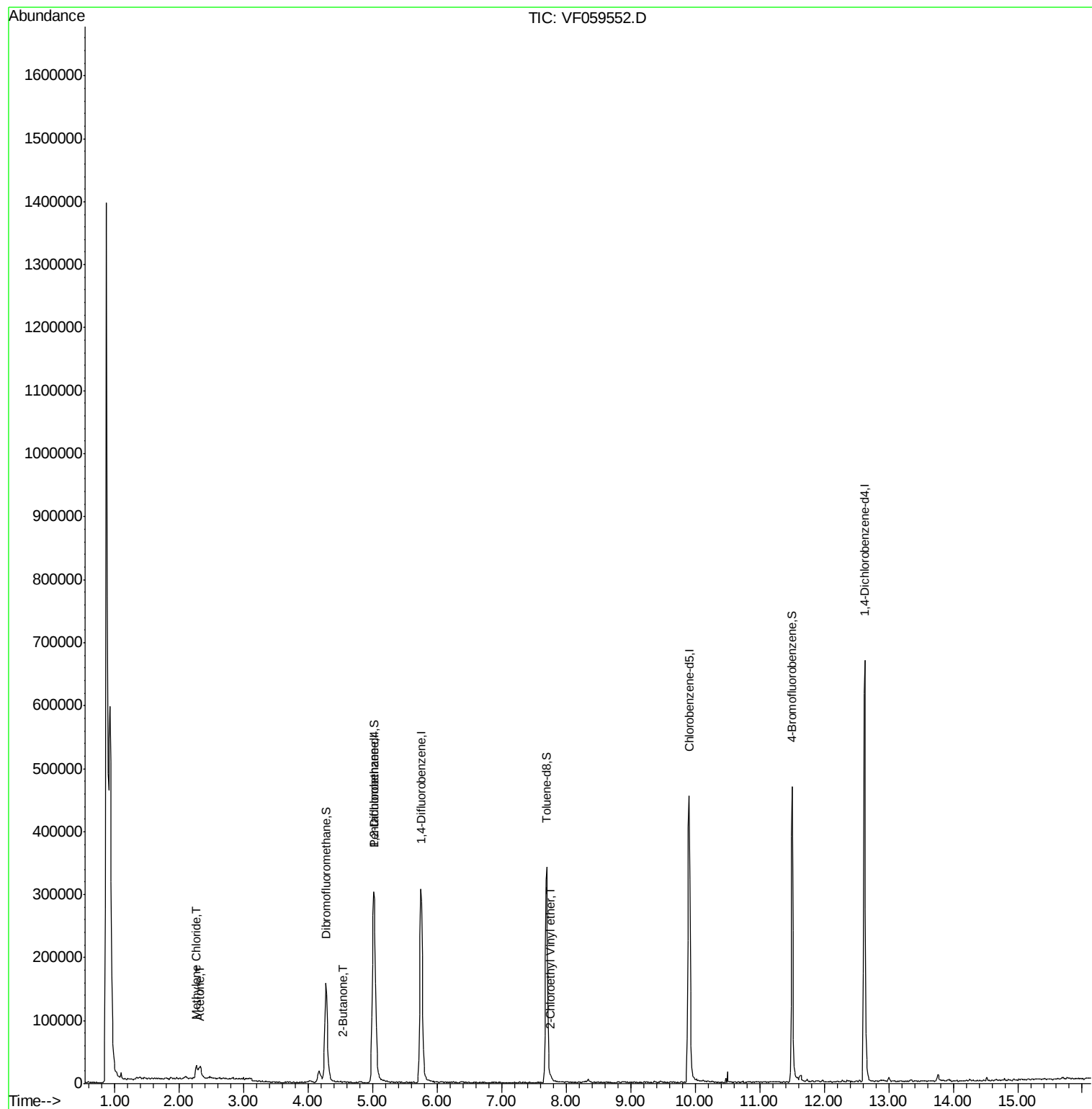
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	191	Below Cal	#	74
13) Acrolein	2.02	56	152	Below Cal		89
16) Acetone	2.33	43	21198	19.80	ug/l #	92
18) Methyl Acetate	2.46	43	1164	Below Cal		96
20) Methylene Chloride	2.27	84	9118	2.04	ug/l #	77
25) 2-Butanone	4.52	43	1114	1.53	ug/l #	60
29) Tetrahydrofuran	4.23	42	314	Below Cal	#	38
37) Ethyl Acetate	4.29	43	238	Below Cal	#	41
49) 1,4-Dioxane	6.89	88	63	Below Cal	#	58
58) 2-Chloroethyl Vinyl ether	7.76	63	436	2.38	ug/l	100

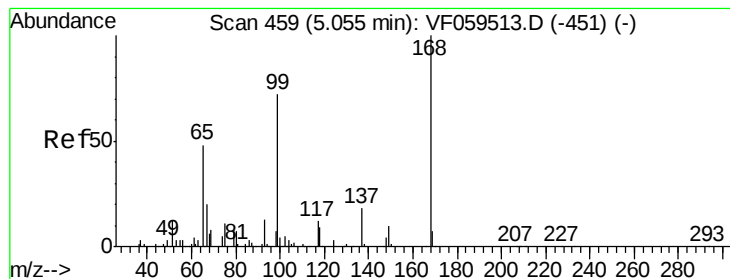
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

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MSVOA_F

ClientSampleId :

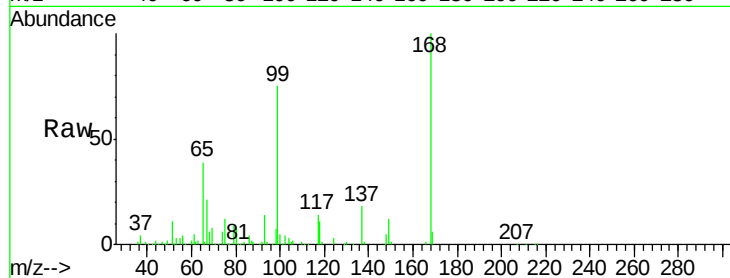
CON-SB-08-0-2

Tot Ion:168 Resp: 201996

Ion Ratio Lower Upper

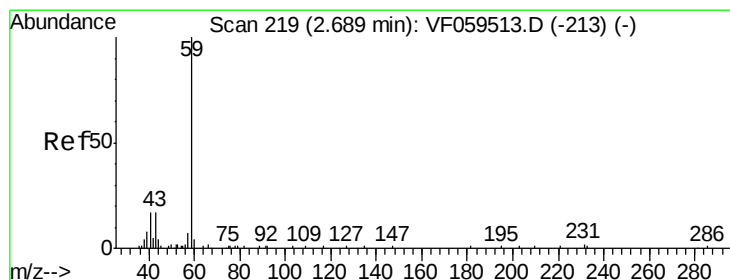
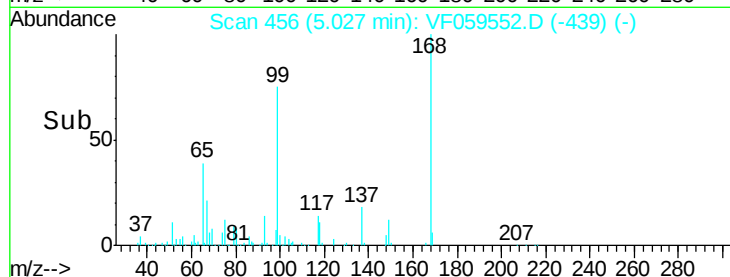
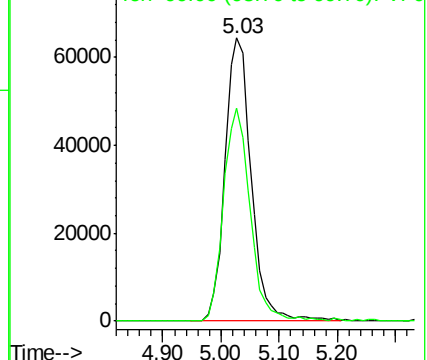
168 100

99 75.2 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF059552.D

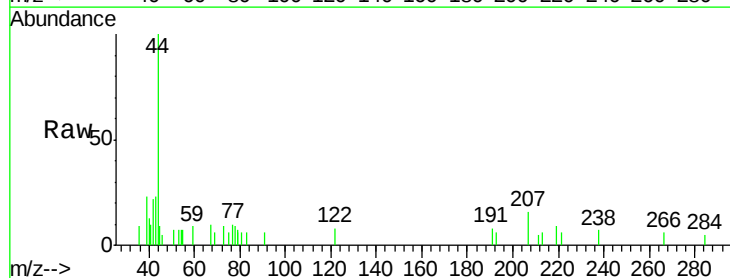
Acq: 19 Jul 2018 11:07

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

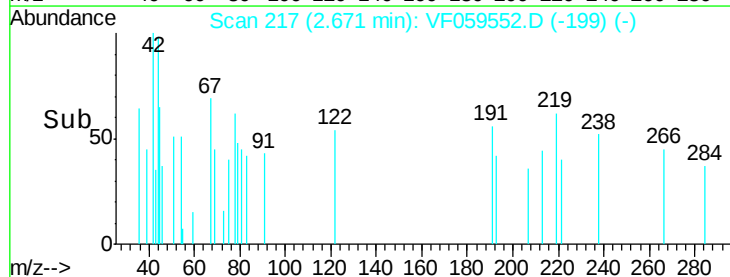
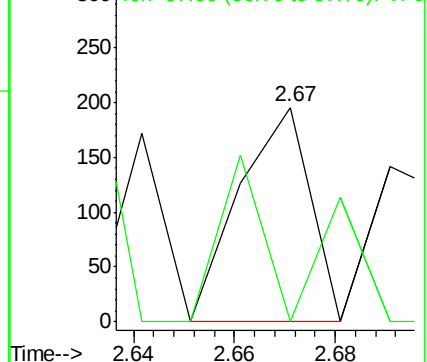
59 100

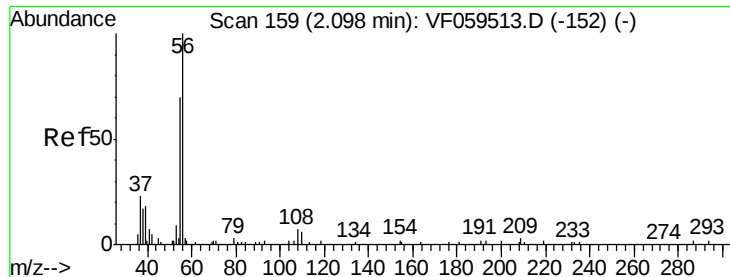
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.02 min Scan# 151

Delta R.T. -0.08 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

Instrument :

MSVOA_F

ClientSampleId :

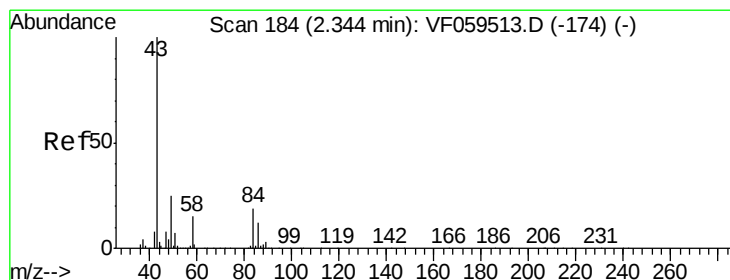
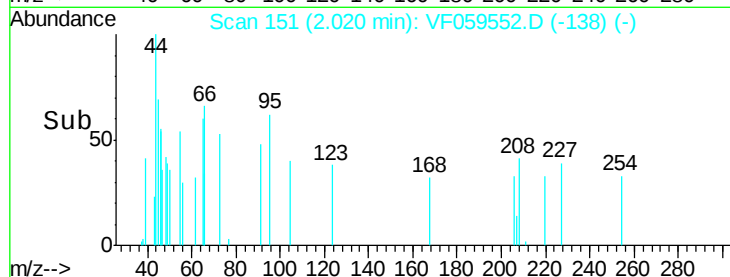
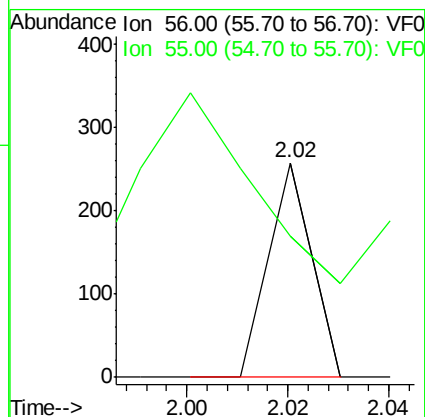
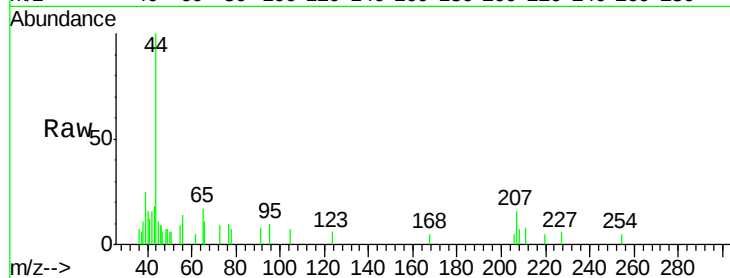
CON-SB-08-0-2

Tot Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 65.4 59.4 89.2



#16

Acetone

Concen: 19.80 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059552.D

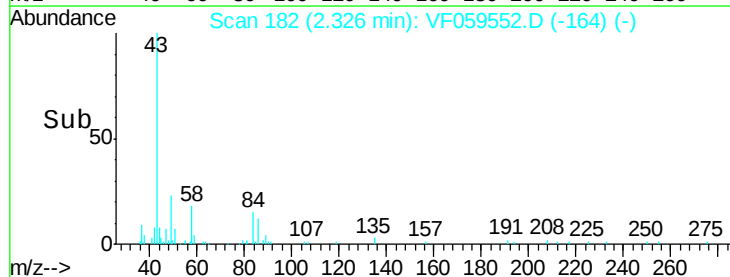
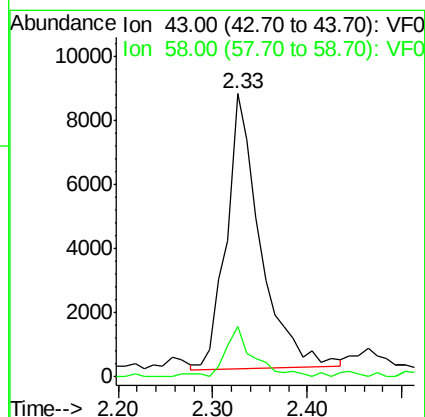
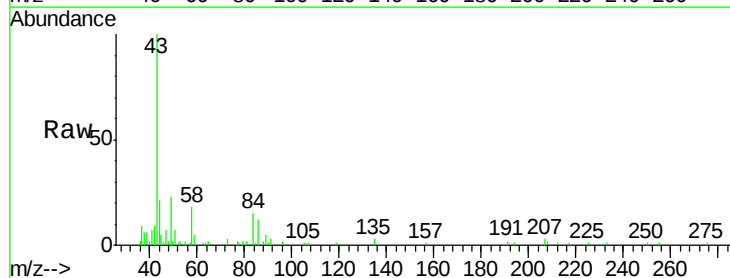
Acq: 19 Jul 2018 11:07

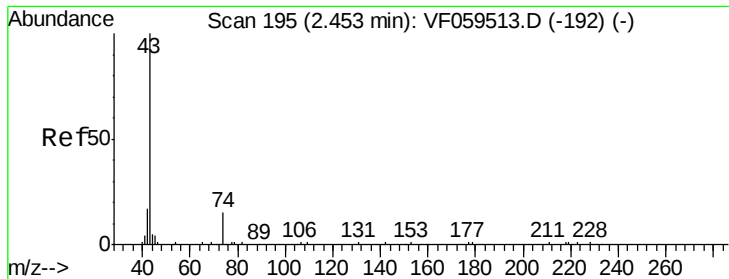
Tgt Ion: 43 Resp: 21198

Ion Ratio Lower Upper

43 100

58 17.9 11.8 17.6#

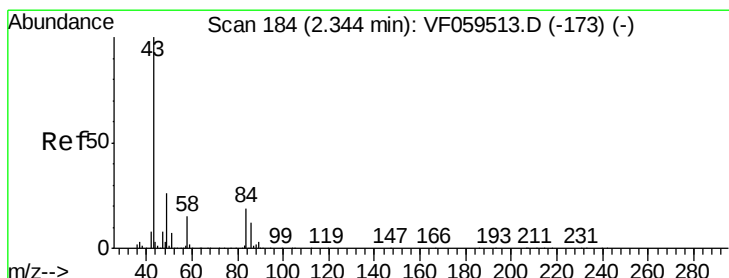
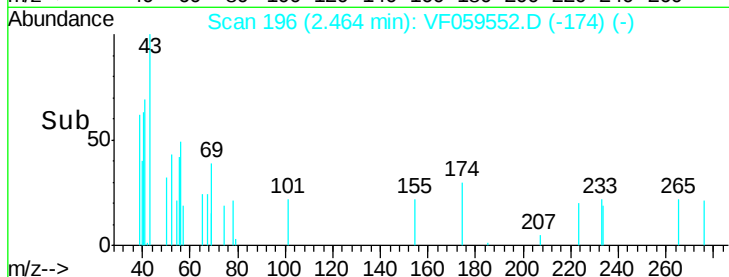
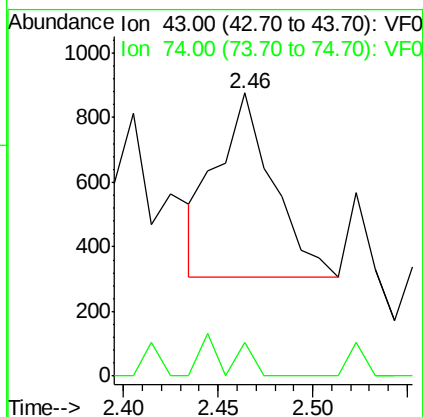
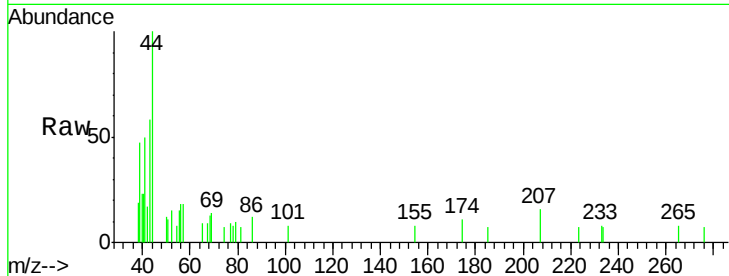




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

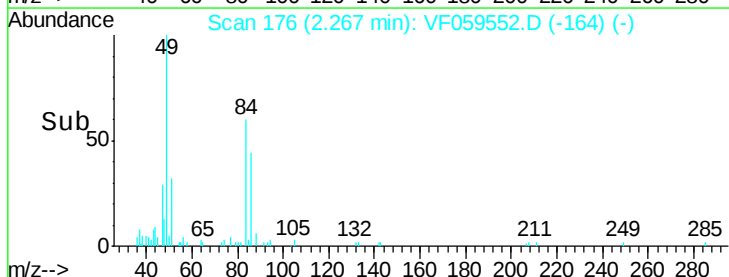
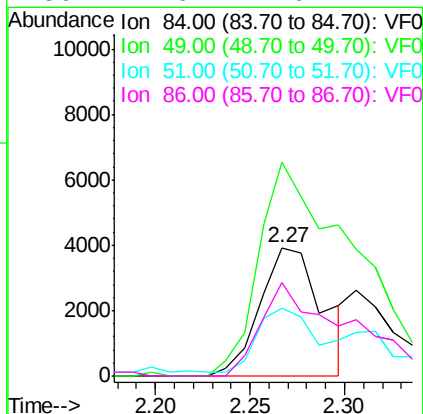
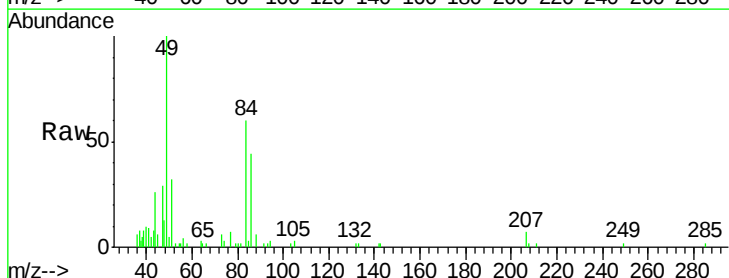
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-0-2

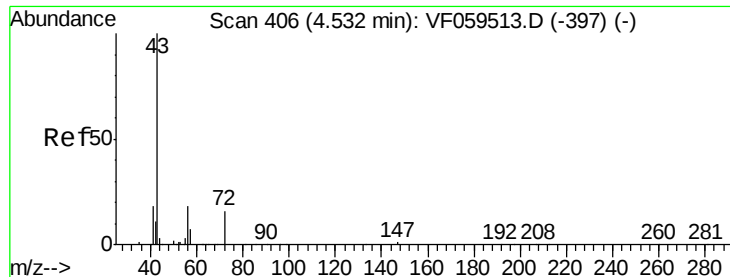
Tot Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
74 11.8 10.6 15.8



#20
Methylene Chloride
Concen: 2.04 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

Tgt Ion: 84 Resp: 9118
Ion Ratio Lower Upper
84 100
49 166.9 109.4 164.2#
51 52.9 30.5 45.7#
86 72.6 47.6 71.4#

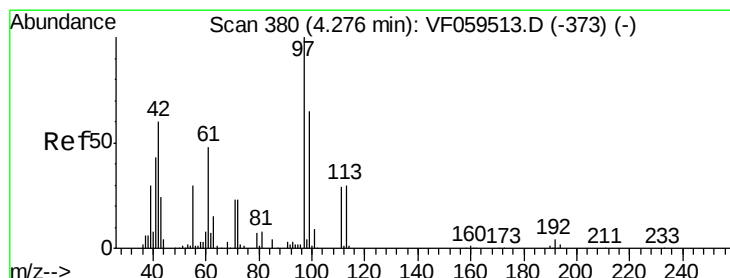
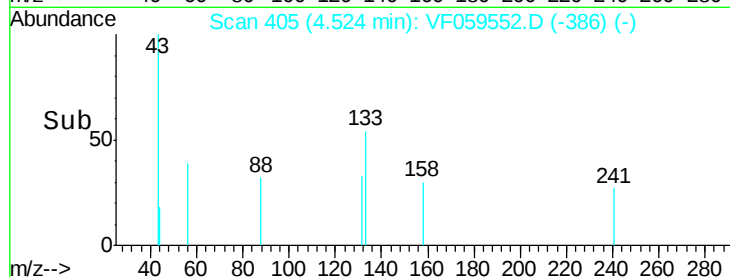
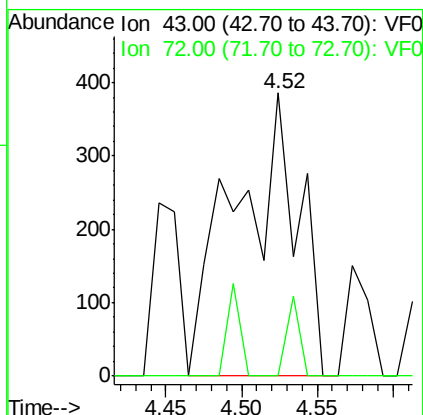
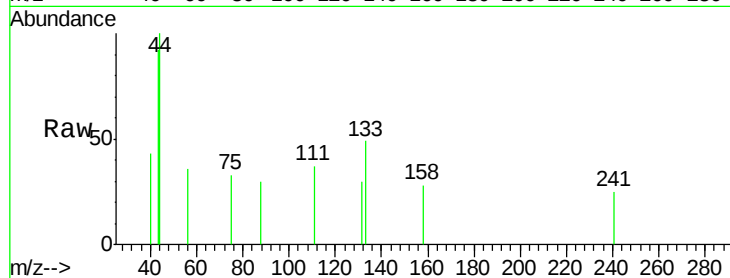




#25
2-Butanone
Concen: 1.53 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

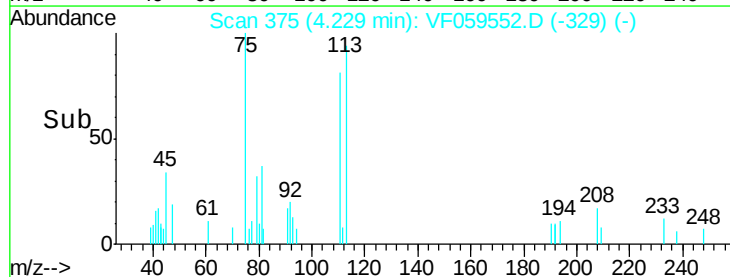
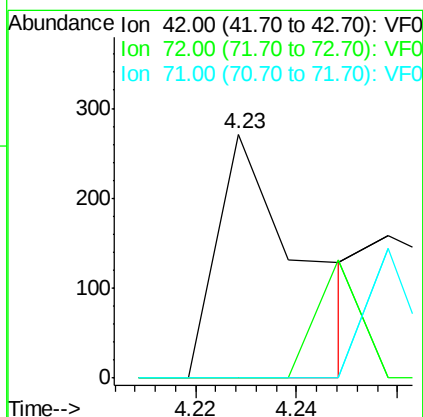
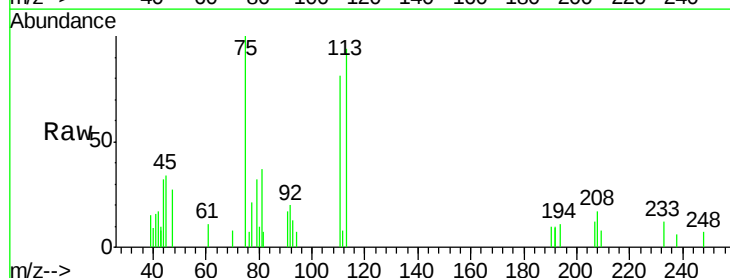
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-08-0-2

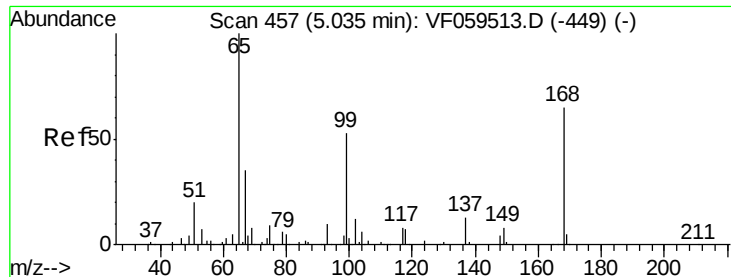
Tot Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.05 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

Tgt Ion: 42 Resp: 314
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 51.49 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

Instrument :

MSVOA_F

ClientSampleId :

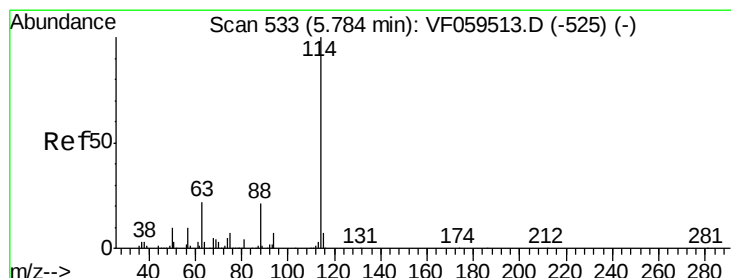
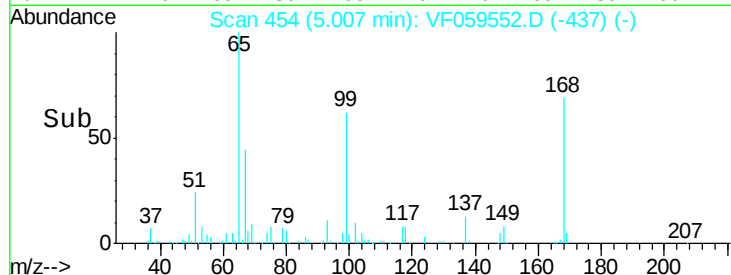
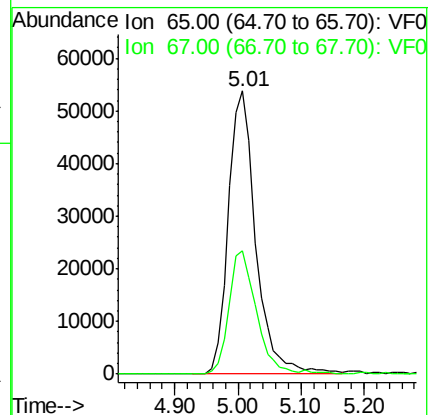
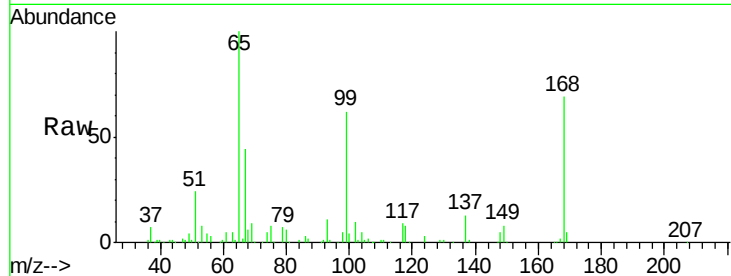
CON-SB-08-0-2

Tot Ion: 65 Resp: 161766

Ion Ratio Lower Upper

65 100

67 43.8 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

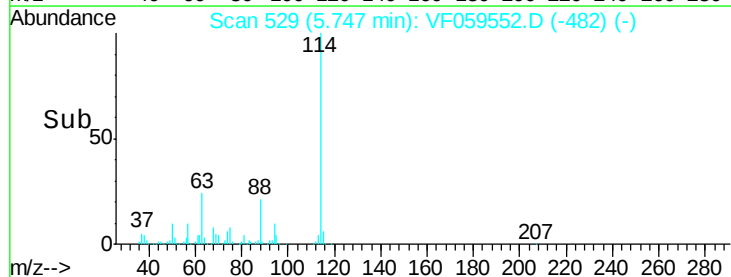
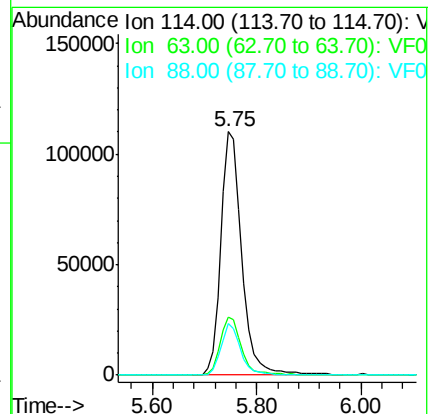
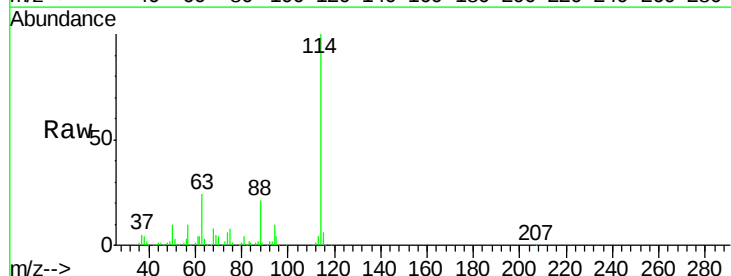
Tgt Ion: 114 Resp: 306610

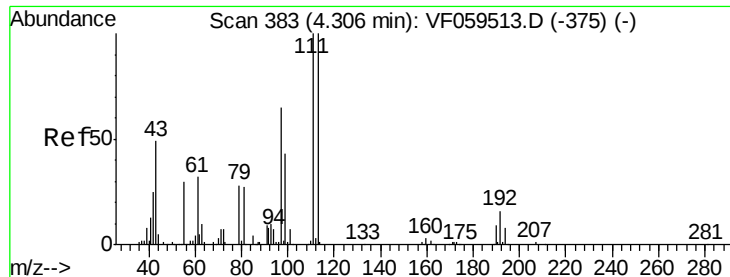
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.8

88 21.0 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.09 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

Instrument :

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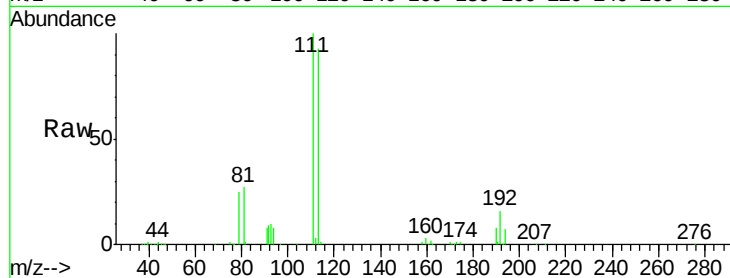
Tot Ion:113 Resp: 138314

Ion Ratio Lower Upper

113 100

111 107.4 80.3 120.5

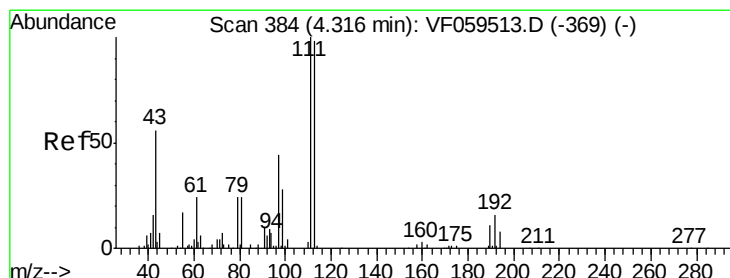
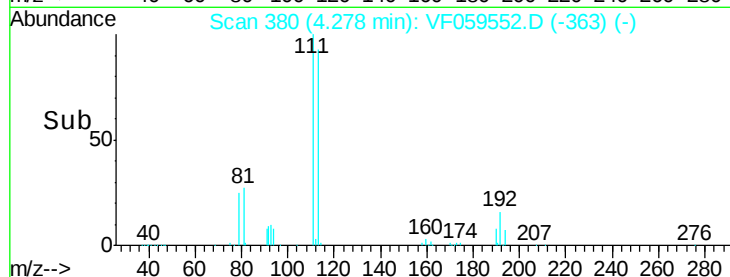
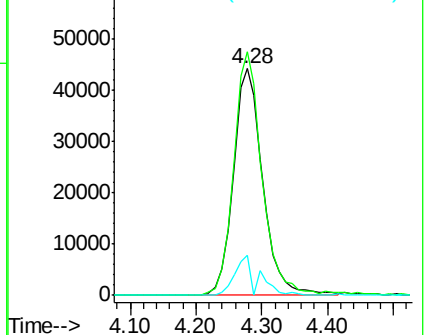
192 17.7 13.1 19.7



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



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 381

Delta R.T. -0.03 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

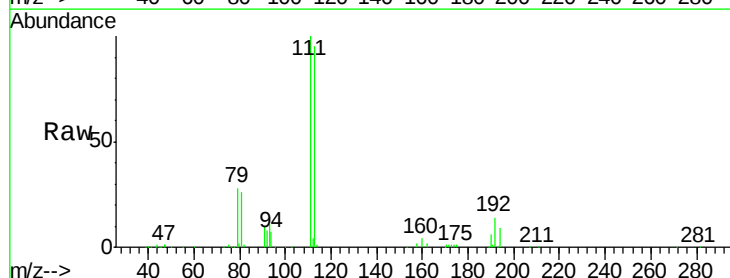
Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

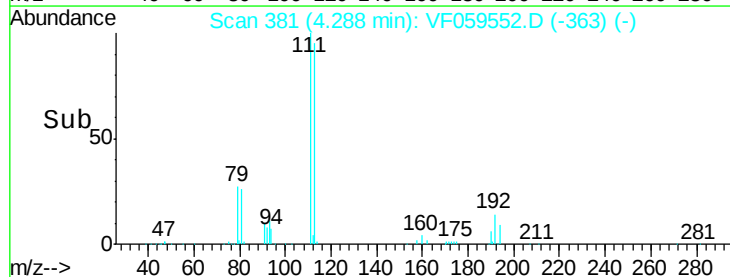
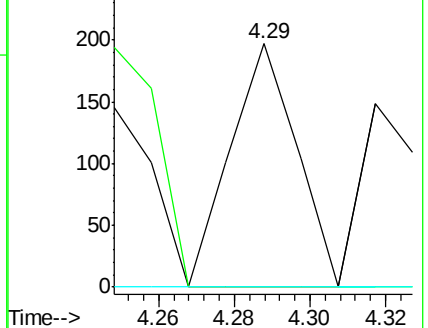
70 0.0 7.4 11.0#

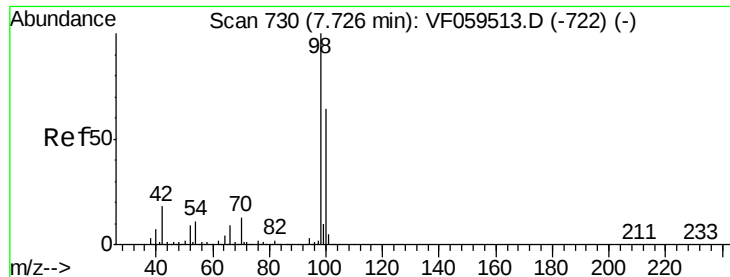


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

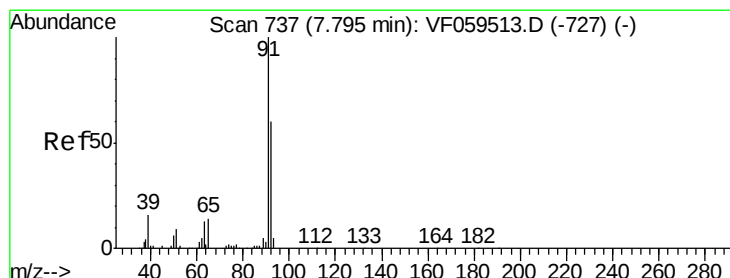
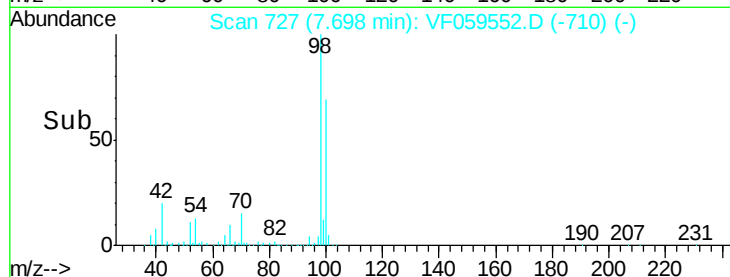
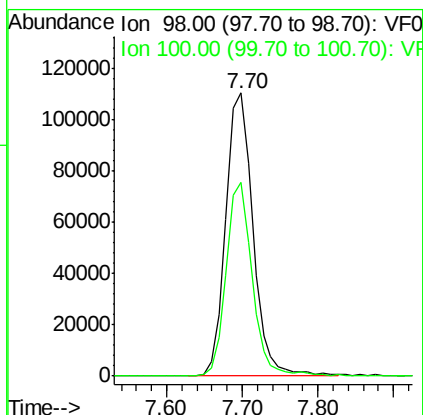
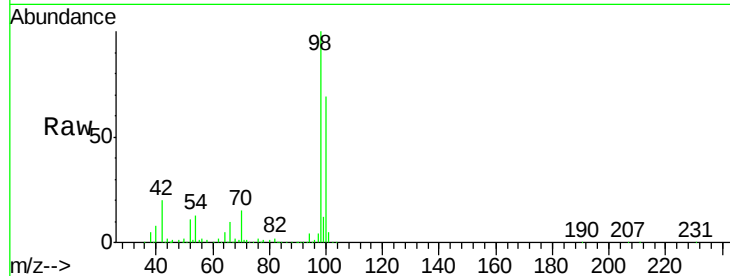




#50
Toluene-d8
Concen: 41.32 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

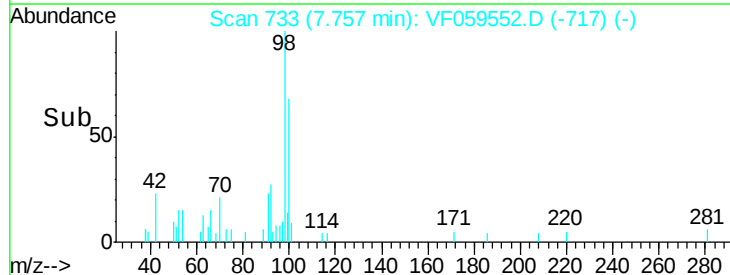
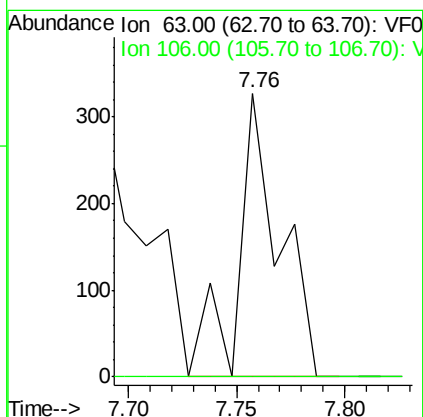
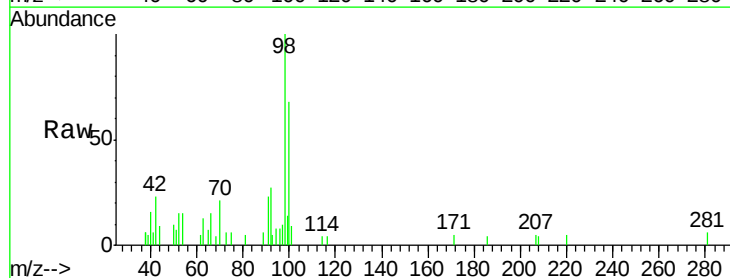
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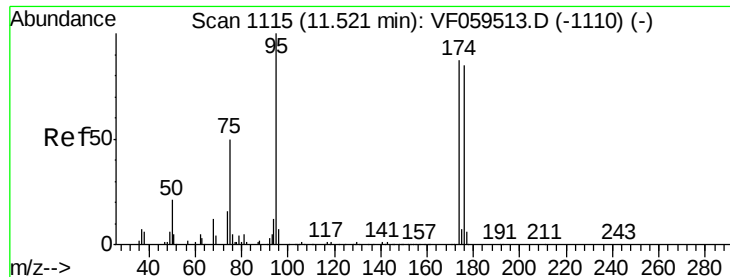
Tot Ion: 98 Resp: 276423
Ion Ratio Lower Upper
98 100
100 68.6 50.9 76.3



#58
2-Chloroethyl Vinyl ether
Concen: 2.38 ug/l
RT: 7.76 min Scan# 733
Delta R.T. -0.04 min
Lab File: VF059552.D
Acq: 19 Jul 2018 11:07

Tgt Ion: 63 Resp: 436
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 45.13 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-08-0-2

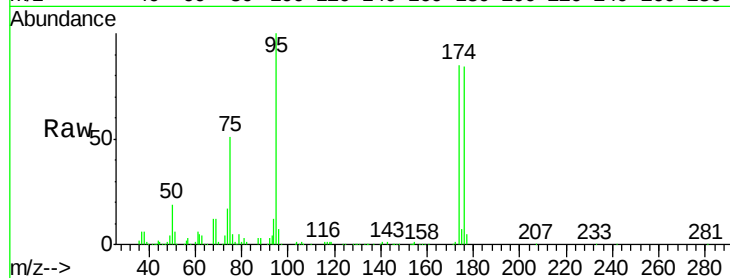
Tot Ion: 95 Resp: 158371

Ion Ratio Lower Upper

95 100

174 85.4 0.0 174.4

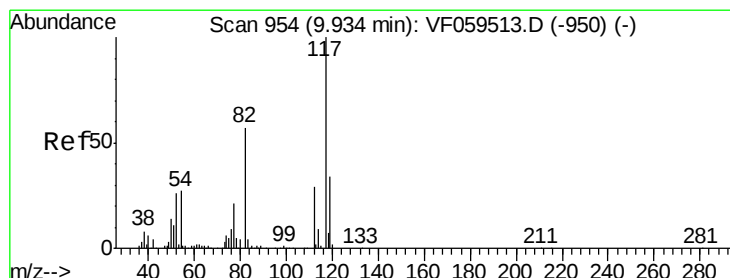
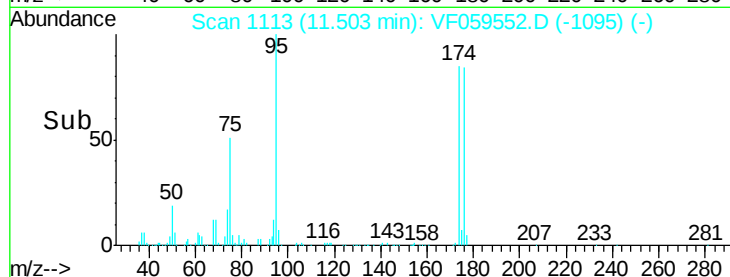
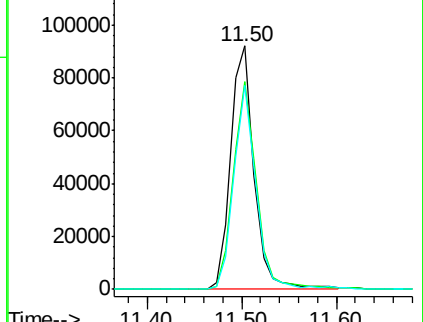
176 83.7 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

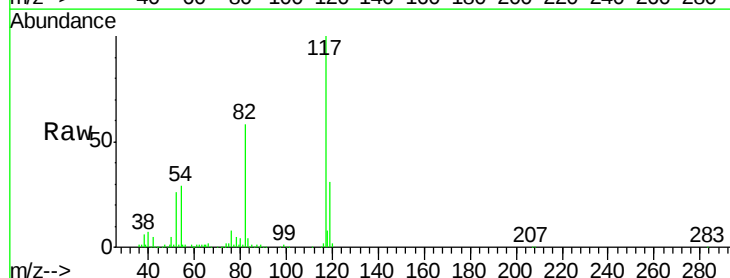
Tgt Ion: 117 Resp: 312558

Ion Ratio Lower Upper

117 100

82 58.4 46.1 69.1

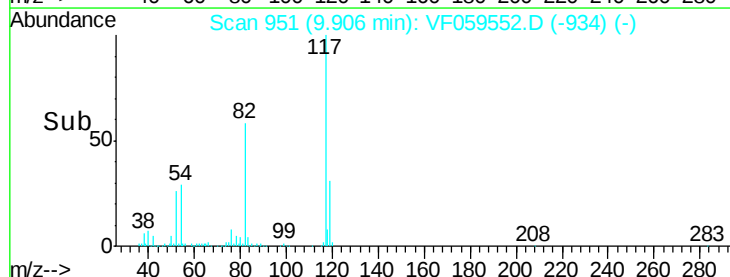
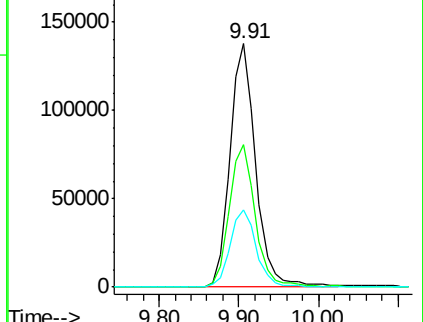
119 31.5 27.2 40.8

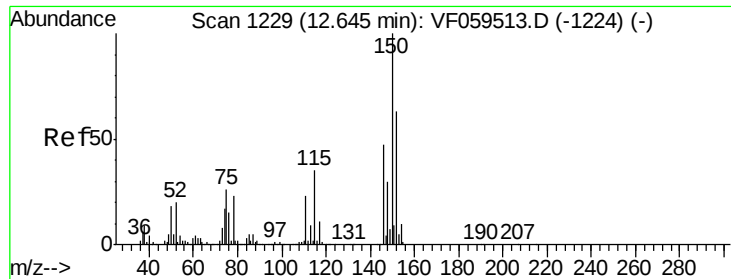


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059552.D

Acq: 19 Jul 2018 11:07

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-08-0-2

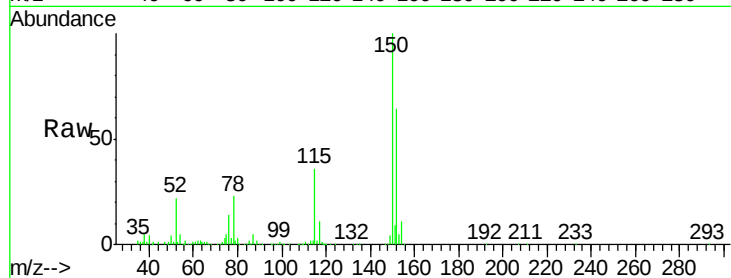
Tot Ion:152 Resp: 175135

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

150 156.0 0.0 318.4



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

