

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059210.D
 Acq On : 20 Jun 2018 3:03
 Operator : VA/AP
 Sample : J3249-01
 Misc : 6.75µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:43:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	240777	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	367962	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	354408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	200220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	174023	59.59	ug/l	-0.01
Spiked Amount			Recovery	=	119.18%	
35) Dibromofluoromethane	4.27	113	155832	60.36	ug/l	-0.02
Spiked Amount			Recovery	=	120.72%	
50) Toluene-d8	7.70	98	322372	42.50	ug/l	0.00
Spiked Amount			Recovery	=	85.00%	
62) 4-Bromofluorobenzene	11.51	95	190099	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

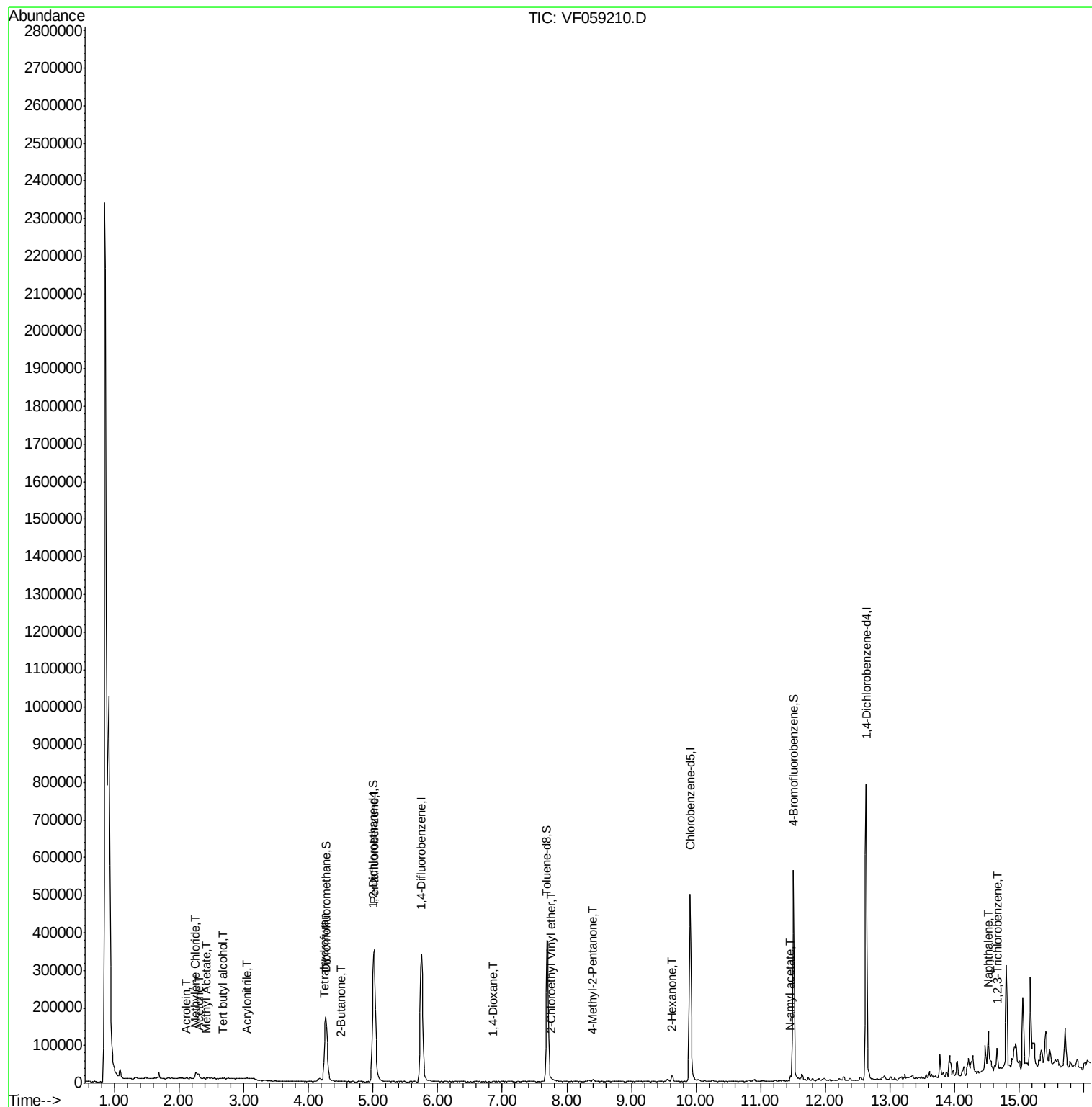
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	1217	6.504	ug/l #	71
13) Acrolein	2.10	56	305	1.883	ug/l	90
15) Acrylonitrile	3.06	53	508	1.367	ug/l #	72
16) Acetone	2.32	43	3348	4.802	ug/l #	82
18) Methyl Acetate	2.43	43	1573	1.312	ug/l #	66
20) Methylene Chloride	2.26	84	6987	4.185	ug/l #	84
25) 2-Butanone	4.50	43	3006	2.781	ug/l	92
29) Tetrahydrofuran	4.24	42	1706	3.582	ug/l #	64
49) 1,4-Dioxane	6.86	88	381	38.614	ug/l #	51
51) 4-Methyl-2-Pentanone	8.40	43	5033	2.488	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.76	63	457	2.347	ug/l	100
59) 2-Hexanone	9.63	43	13187	8.241	ug/l	83
74) N-amyl acetate	11.46	43	8515	1.720	ug/l	96
89) n-Butylbenzene	12.92	91	5448	Below Cal		88
95) Naphthalene	14.52	128	20068	2.165	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.67	180	4064	1.013	ug/l #	74

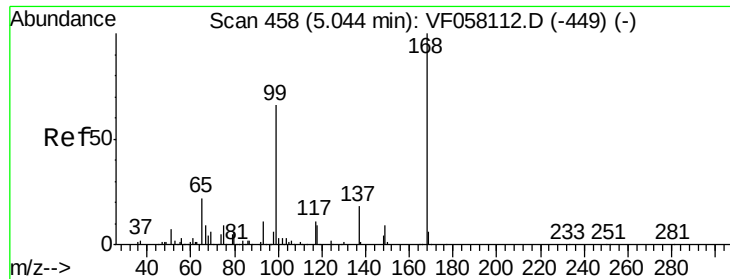
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Instrument :

MSVOA_F

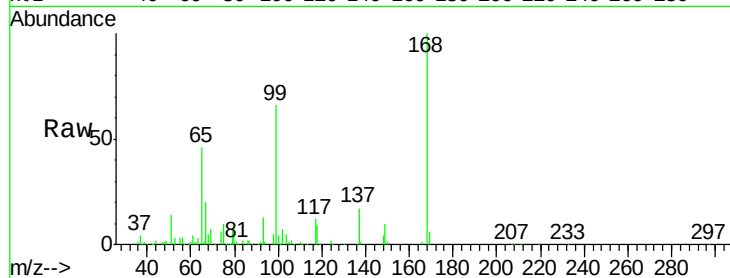
ClientSampleId :

Tot Ion:168 Resp: 240777

Ion Ratio Lower Upper

168 100

99 66.2 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

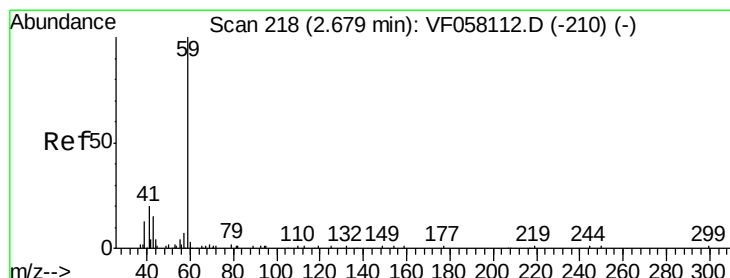
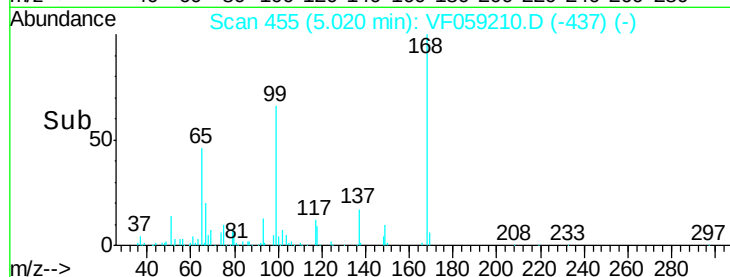
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.504 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.00 min

Lab File: VF059210.D

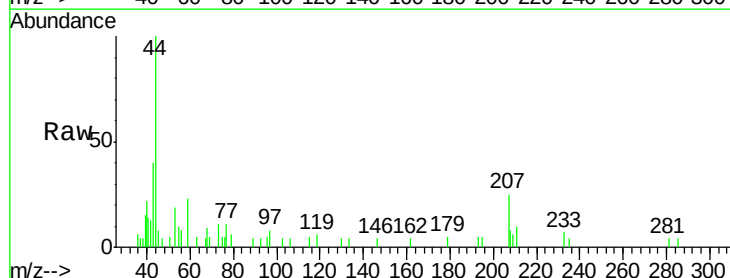
Acq: 20 Jun 2018 3:03

Tgt Ion: 59 Resp: 1217

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

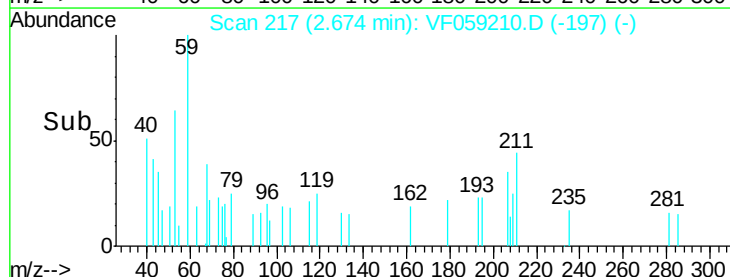
600

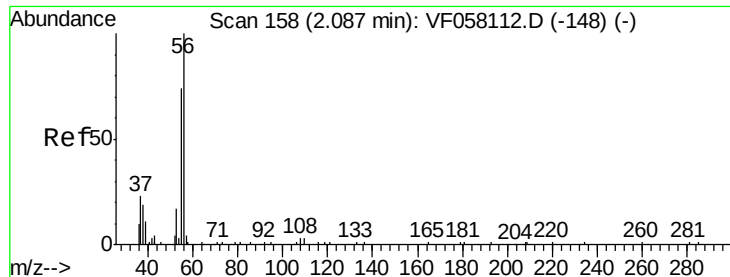
400

200

0

Time-->





#13

Acrolein

Concen: 1.883 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

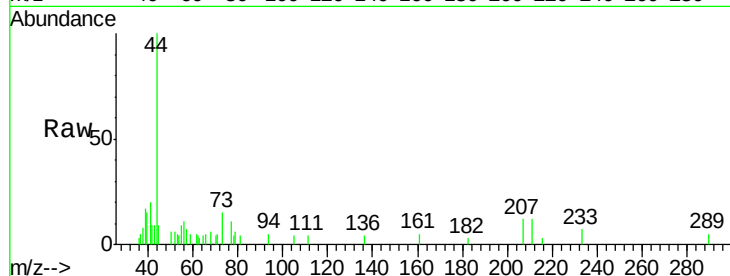
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 305

Ion Ratio Lower Upper

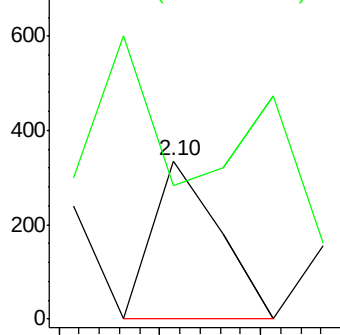
56 100

55 83.9 60.0 90.0

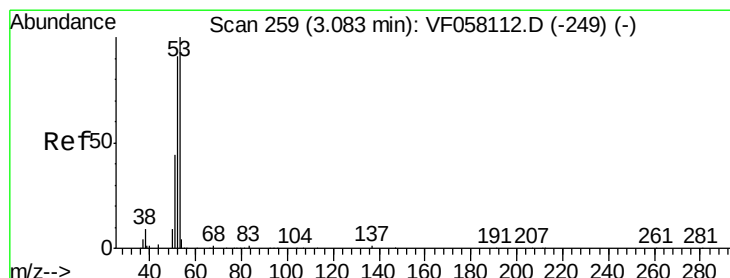
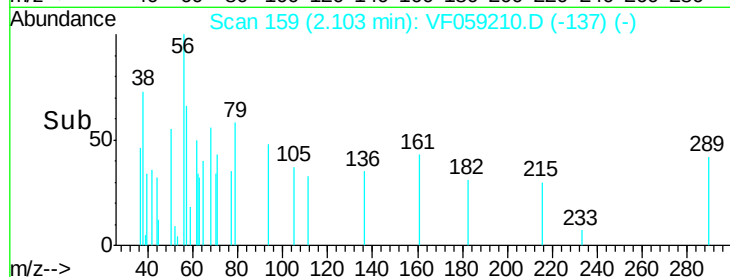


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 2.08 2.10 2.12



#15

Acrylonitrile

Concen: 1.367 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

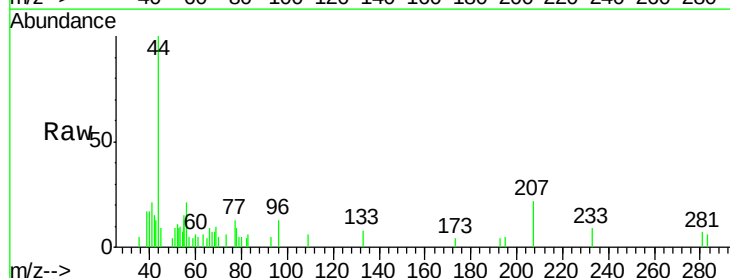
Tgt Ion: 53 Resp: 508

Ion Ratio Lower Upper

53 100

52 53.0 73.2 109.8#

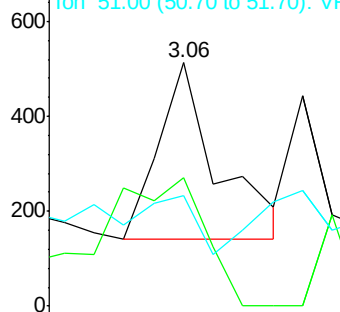
51 45.6 35.6 53.4



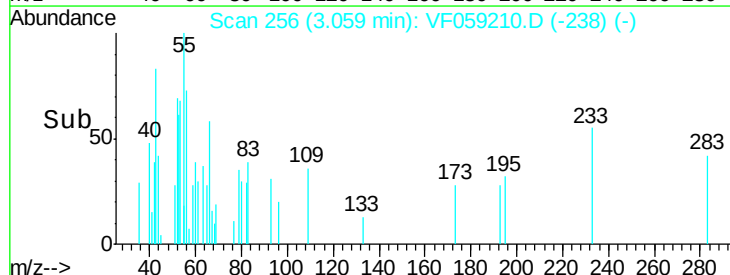
Abundance Ion 53.00 (52.70 to 53.70): VF0

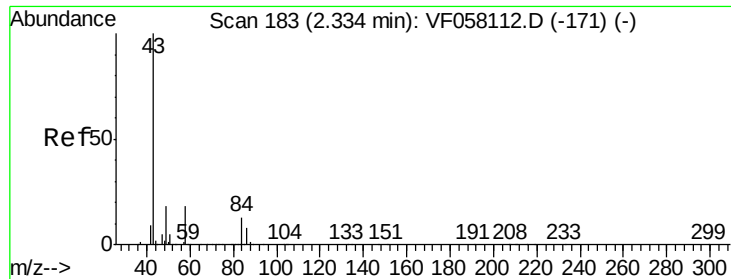
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time--> 3.02 3.04 3.06 3.08 3.10

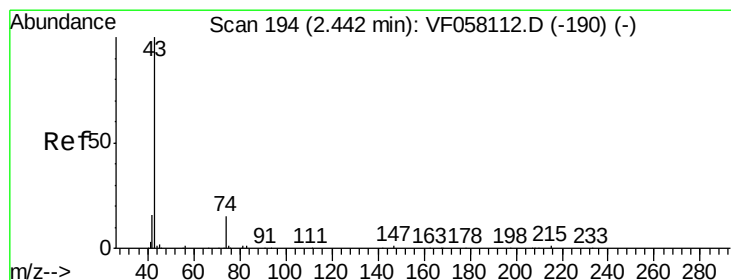
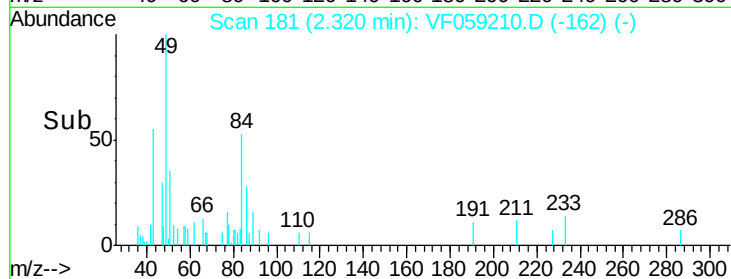
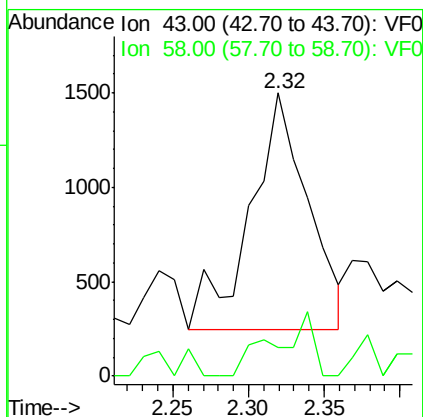
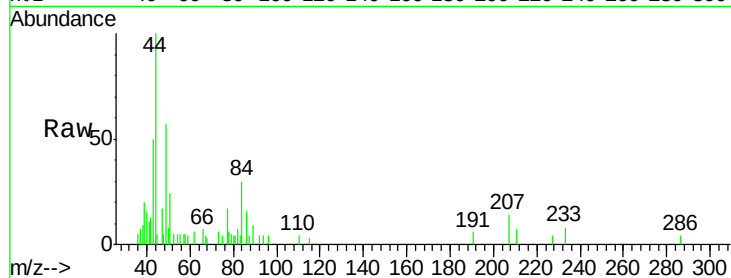




#16
Acetone
Concen: 4.802 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

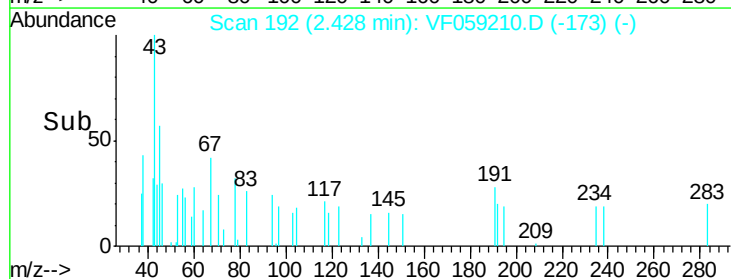
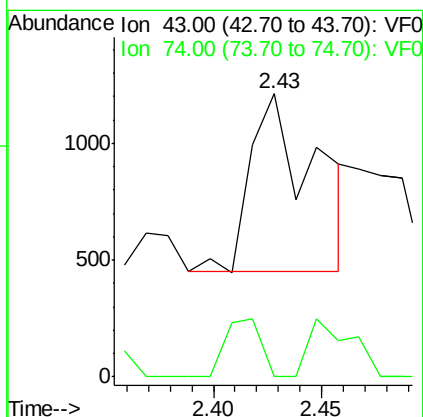
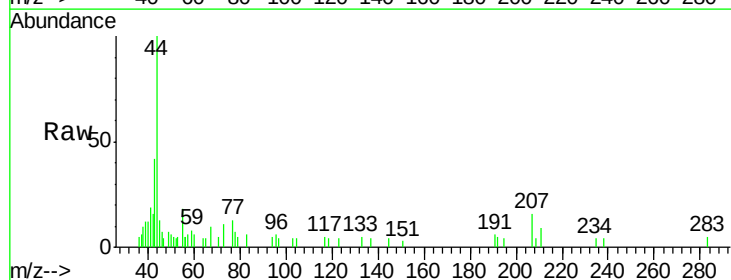
Instrument :
MSVOA_F
ClientSampleId :

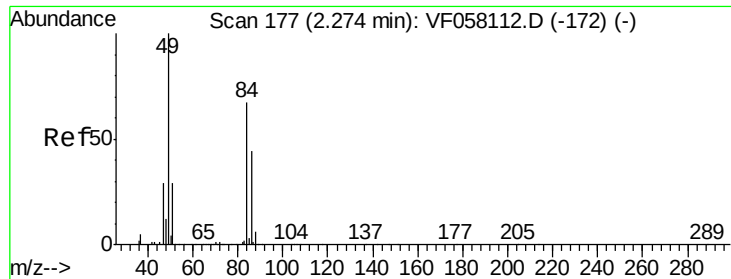
Tot Ion: 43 Resp: 3348
Ion Ratio Lower Upper
43 100
58 10.1 14.4 21.6#



#18
Methyl Acetate
Concen: 1.312 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#

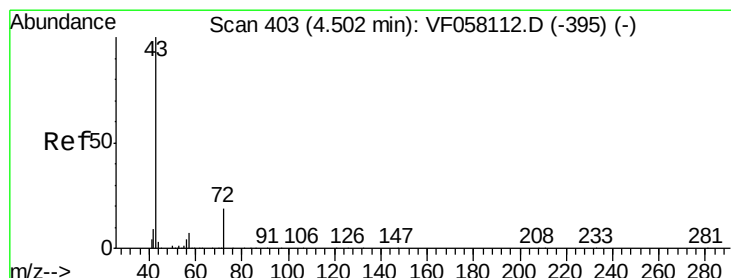
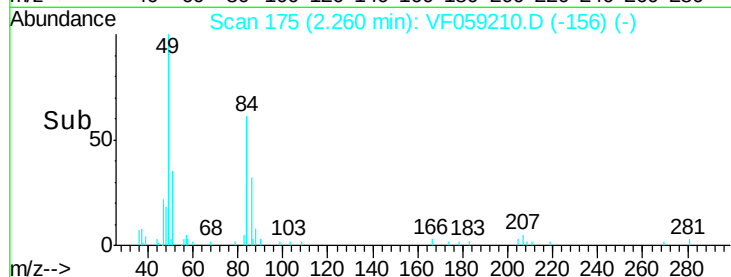
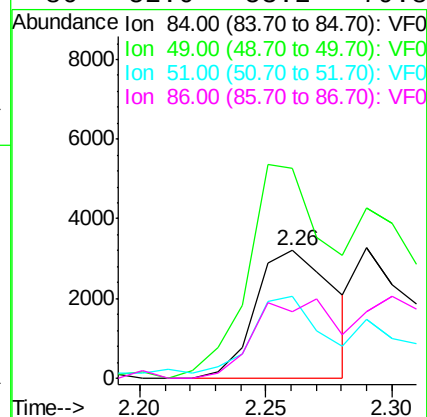
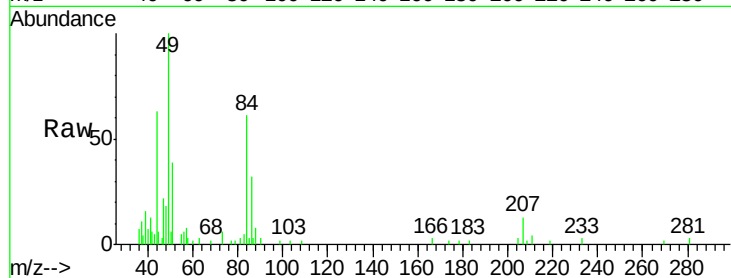




#20
Methylene Chloride
Concen: 4.185 ug/l
RT: 2.26 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

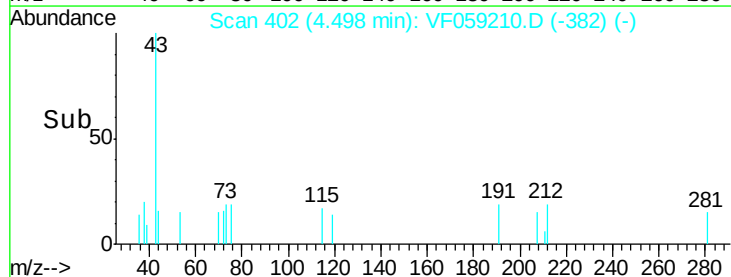
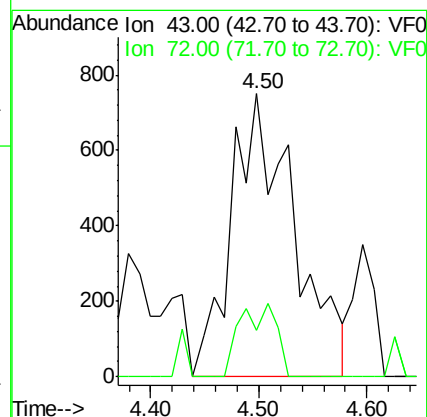
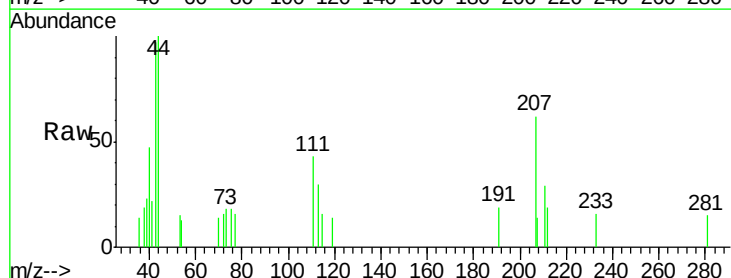
Instrument :
MSVOA_F
ClientSampled :

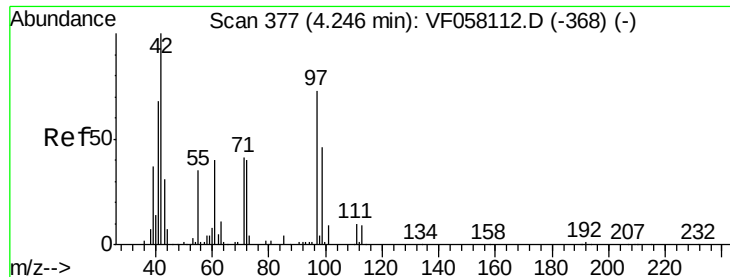
Tot Ion: 84 Resp: 6987
Ion Ratio Lower Upper
84 100
49 164.4 121.0 181.4
51 64.1 35.8 53.6#
86 52.0 53.2 79.8#



#25
2-Butanone
Concen: 2.781 ug/l
RT: 4.50 min Scan# 402
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
72 16.4 16.1 24.1





#29

Tetrahydrofuran

Concen: 3.582 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF059210.D

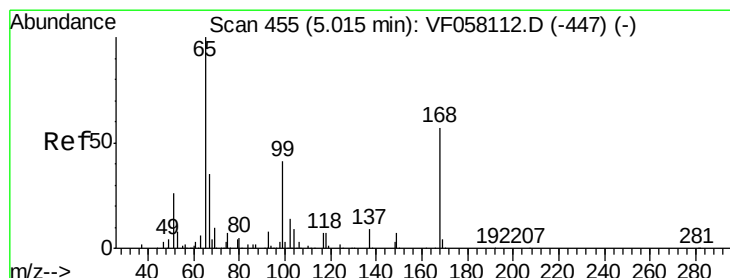
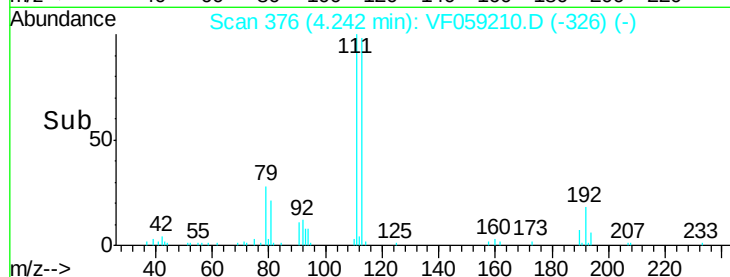
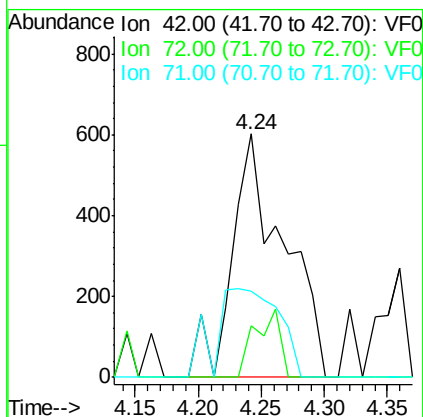
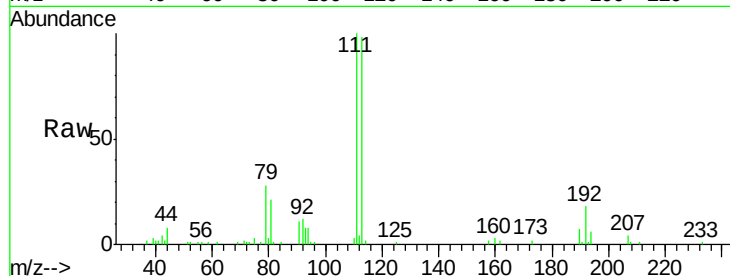
Acq: 20 Jun 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	42	Resp:	1706
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.5	45.7#
71	45.0	31.5	47.3



#33

1,2-Dichloroethane-d4

Concen: 59.594 ug/l

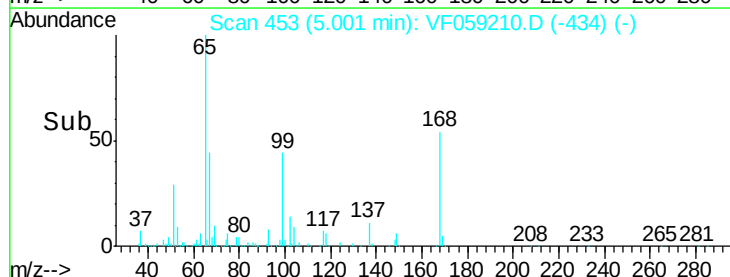
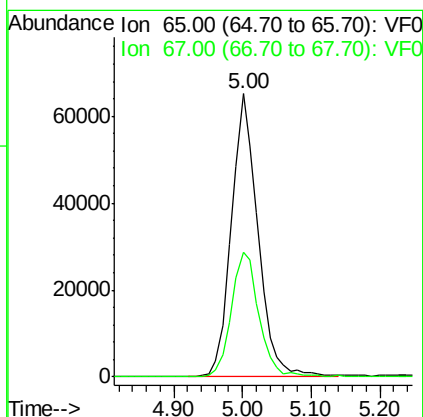
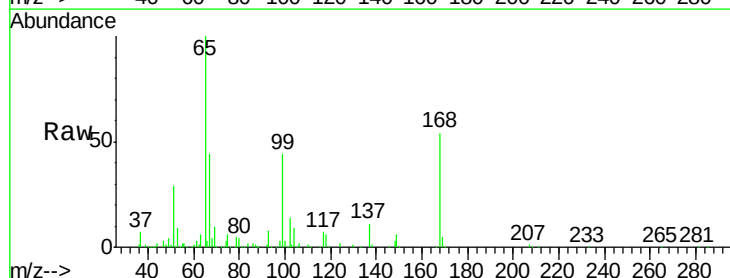
RT: 5.00 min Scan# 453

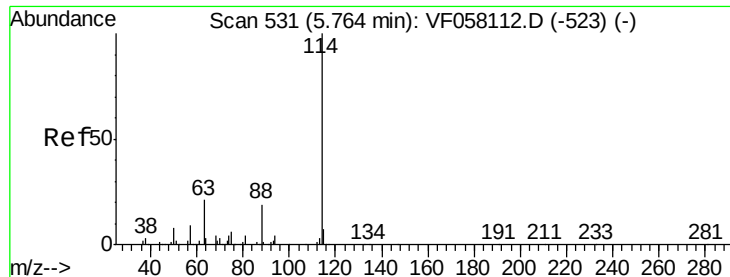
Delta R.T. -0.01 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Tgt Ion:	65	Resp:	174023
Ion	Ratio	Lower	Upper
65	100		
67	44.1	0.0	97.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Instrument :

MSVOA_F

ClientSampleId :

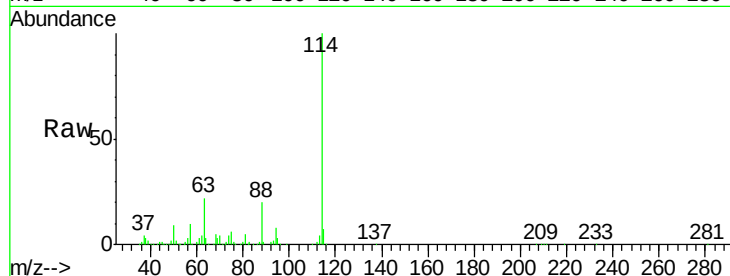
Tot Ion:114 Resp: 367962

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

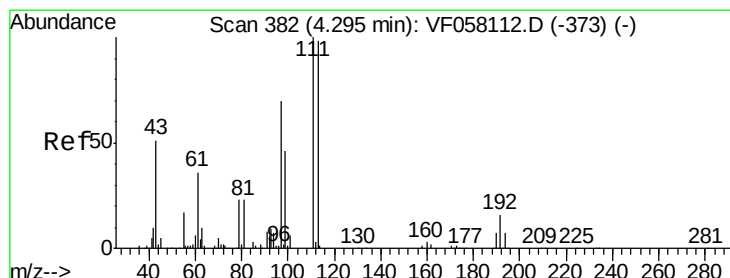
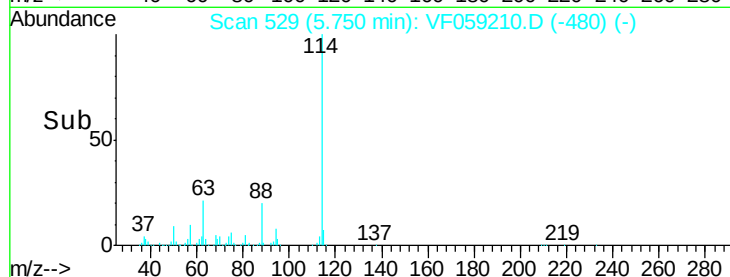
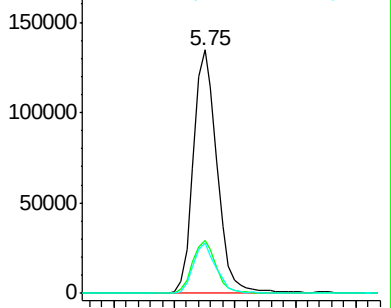
88 20.5 0.0 38.8



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: 60.356 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

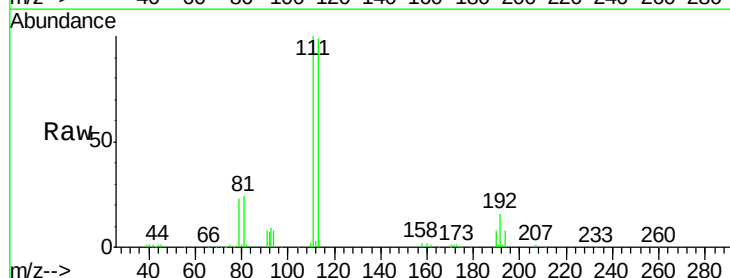
Tgt Ion:113 Resp: 155832

Ion Ratio Lower Upper

113 100

111 101.1 81.3 121.9

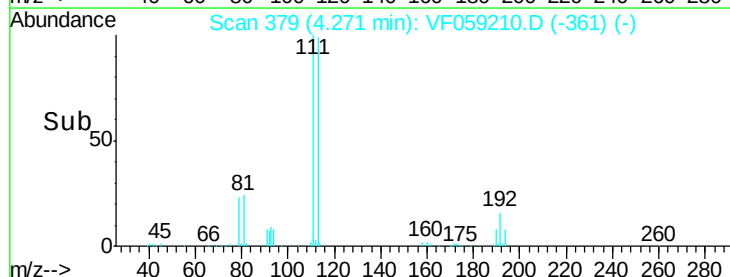
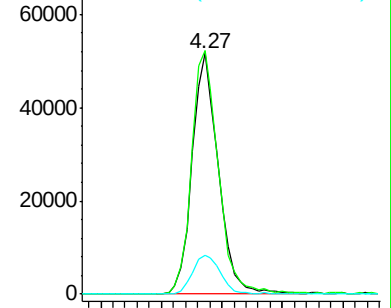
192 16.1 12.7 19.1

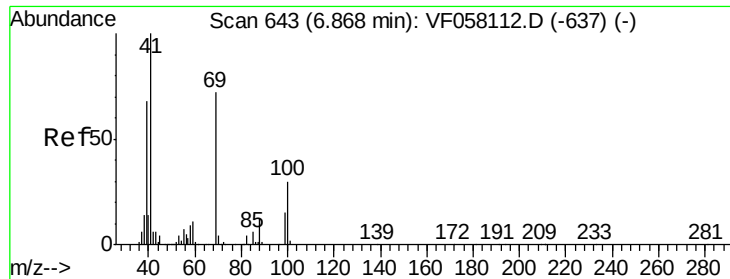


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

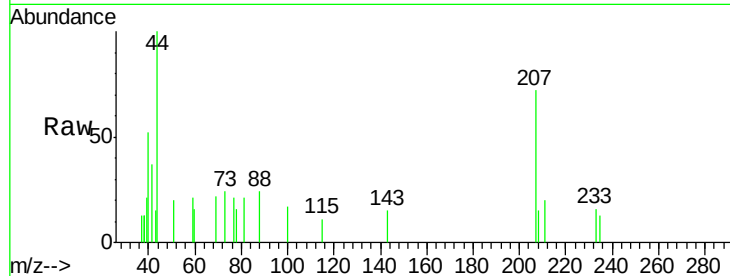




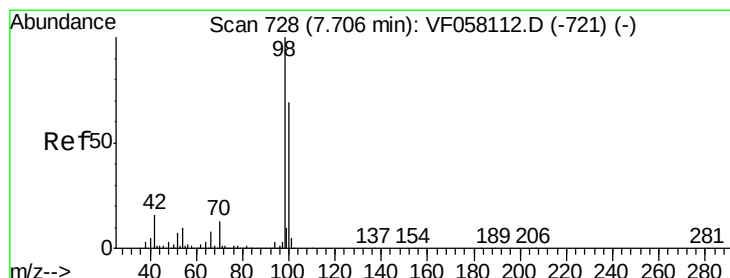
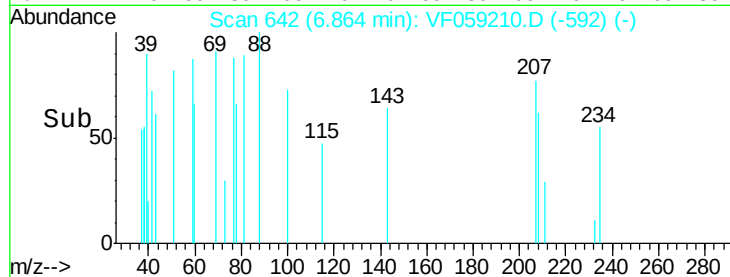
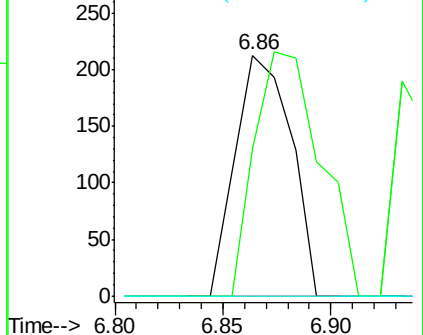
#49
1,4-Dioxane
Concen: 38.614 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 381
Ion Ratio Lower Upper
88 100
43 61.0 47.8 71.8
58 0.0 59.4 89.0#

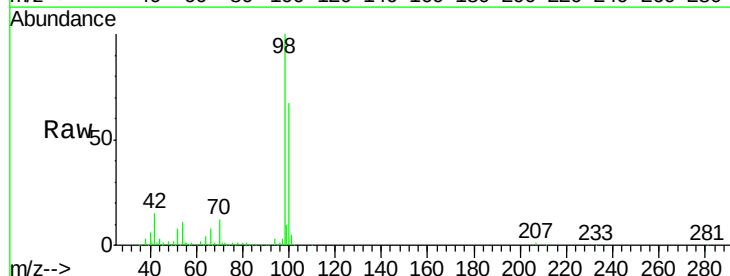


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

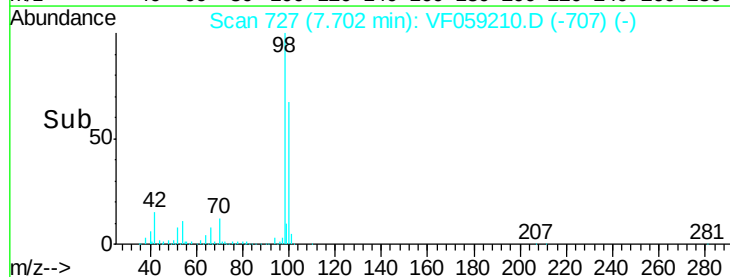
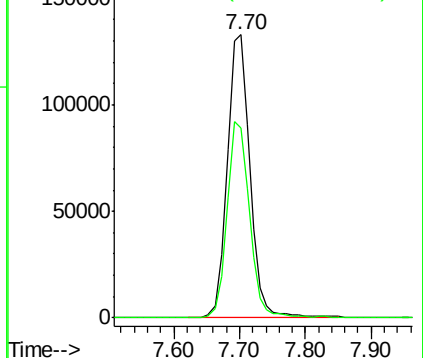


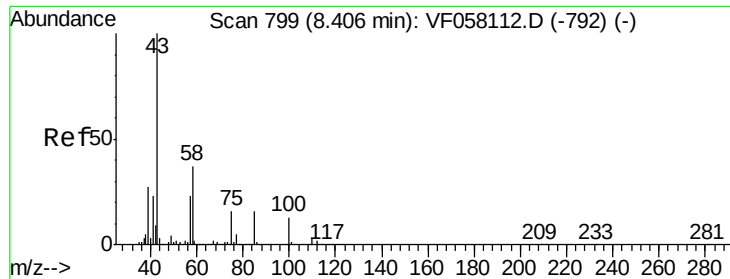
#50
Toluene-d8
Concen: 42.501 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Tgt Ion: 98 Resp: 322372
Ion Ratio Lower Upper
98 100
100 66.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.488 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Instrument :

MSVOA_F

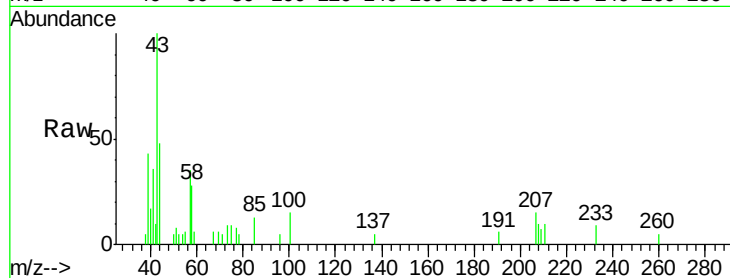
ClientSampleId :

Tot Ion: 43 Resp: 5033

Ion Ratio Lower Upper

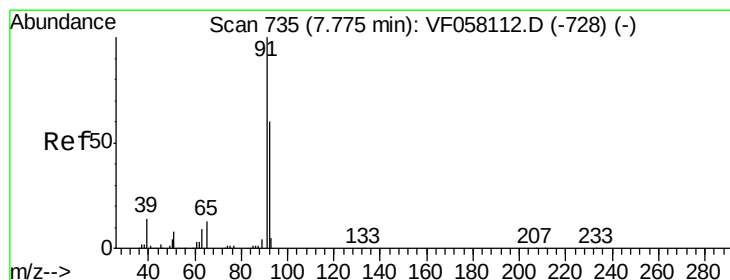
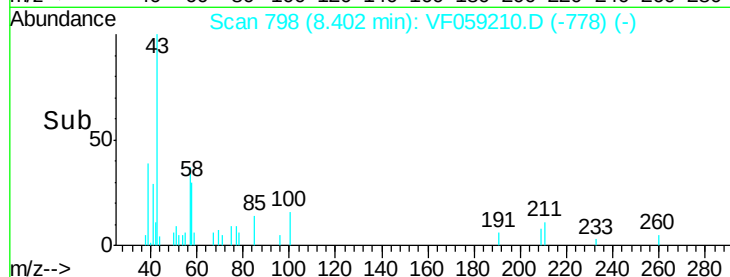
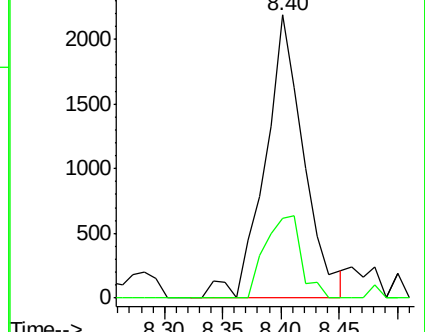
43 100

58 28.1 29.4 44.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.347 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059210.D

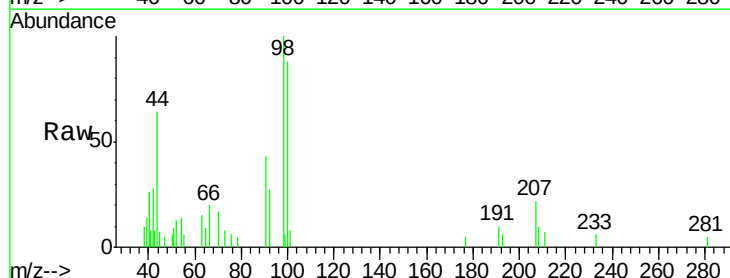
Acq: 20 Jun 2018 3:03

Tgt Ion: 63 Resp: 457

Ion Ratio Lower Upper

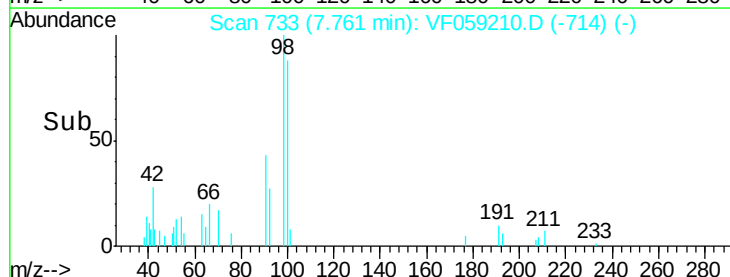
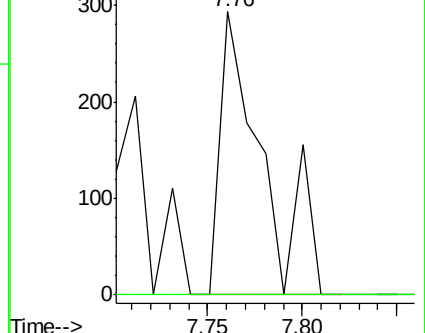
63 100

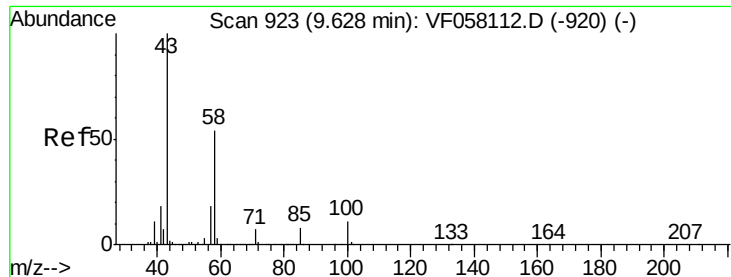
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

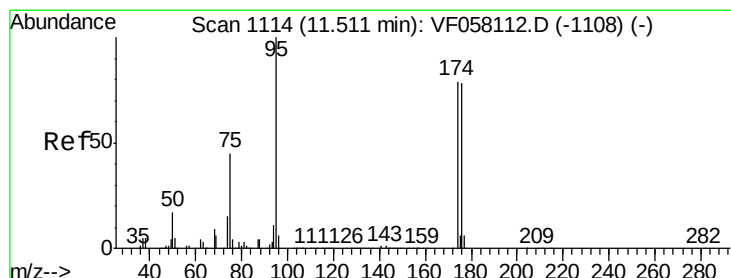
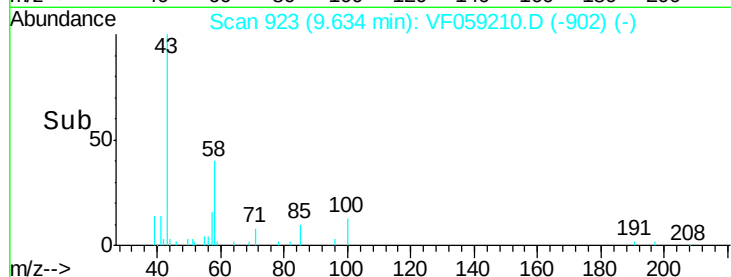
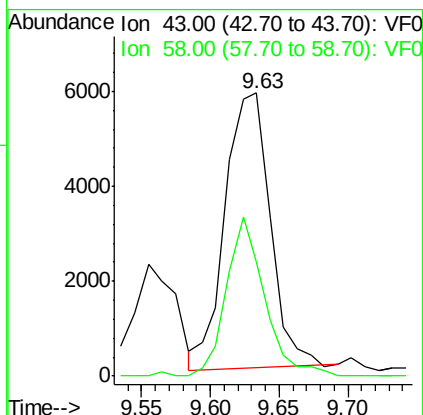
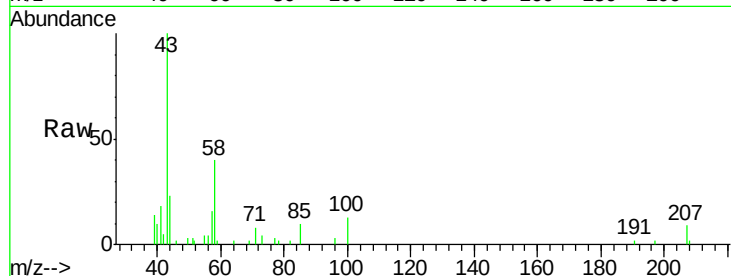




#59
2-Hexanone
Concen: 8.241 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

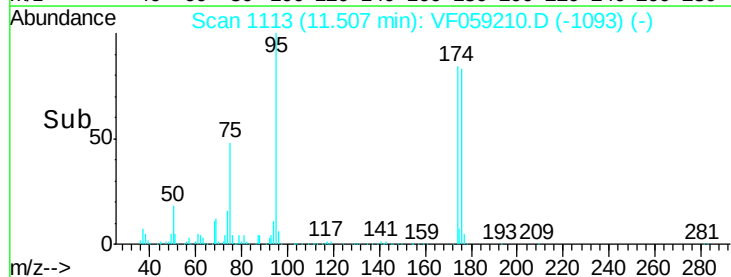
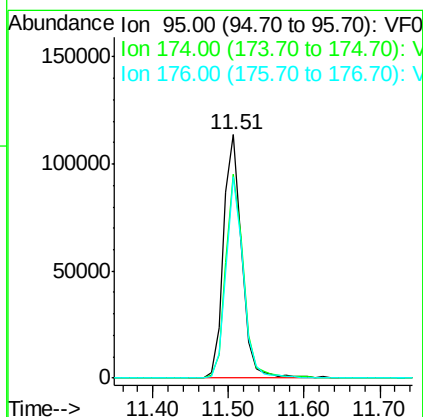
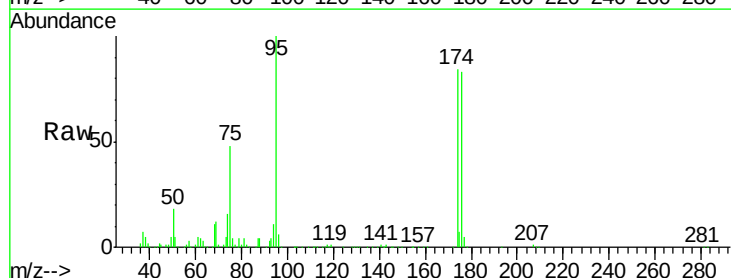
Instrument :
MSVOA_F
ClientSampleId :

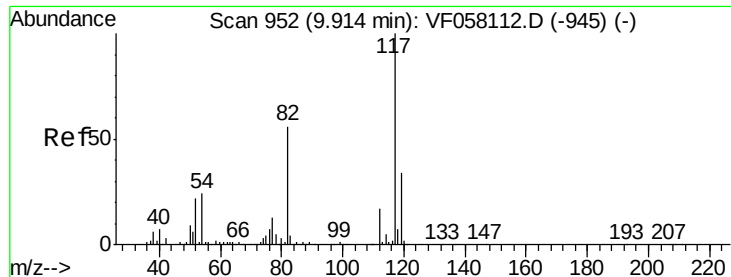
Tot Ion: 43 Resp: 13187
Ion Ratio Lower Upper
43 100
58 40.4 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 48.863 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Tgt Ion: 95 Resp: 190099
Ion Ratio Lower Upper
95 100
174 83.9 0.0 157.8
176 82.6 0.0 155.8

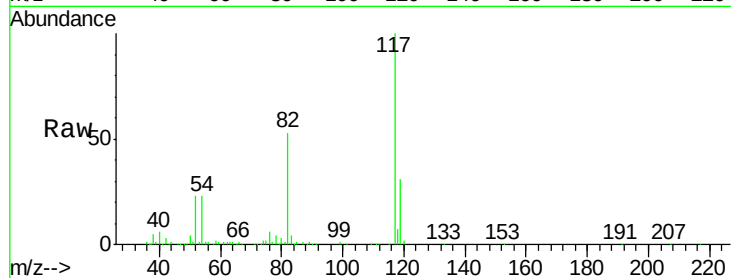




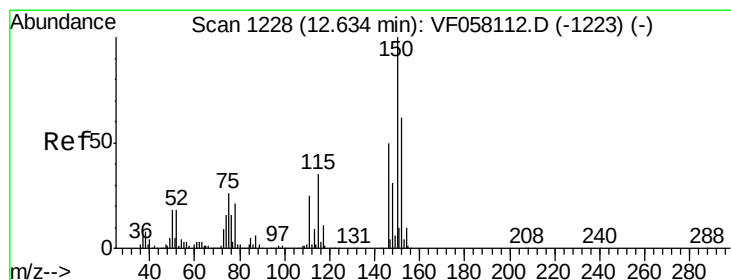
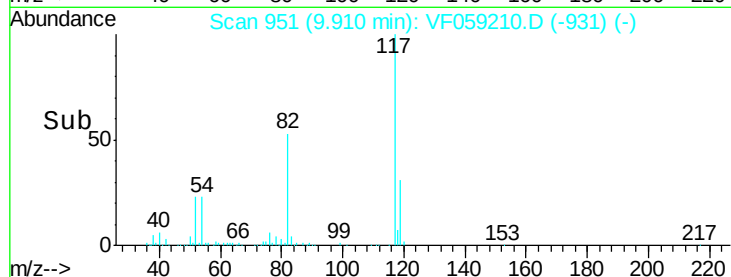
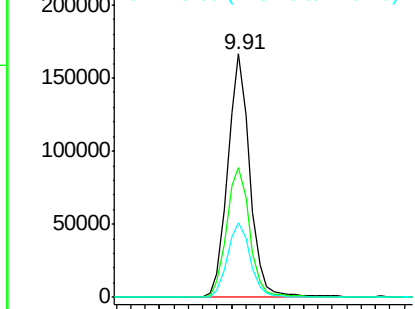
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 354408
Ion Ratio Lower Upper
117 100
82 53.5 45.2 67.8
119 30.6 27.5 41.3

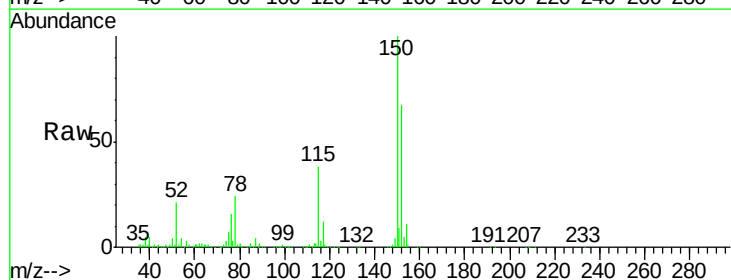


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

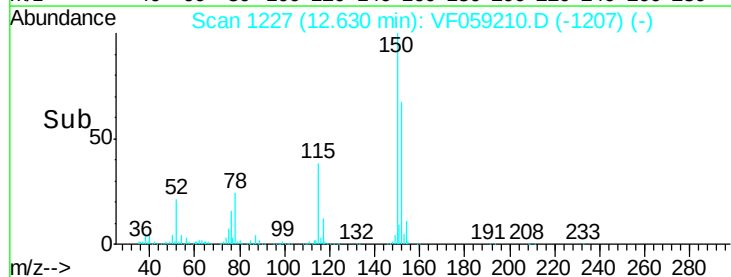
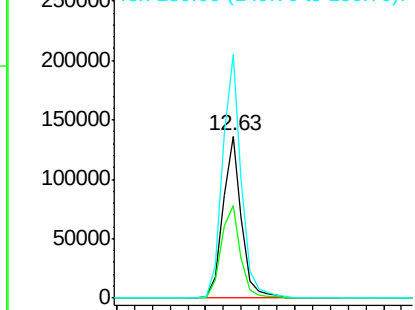


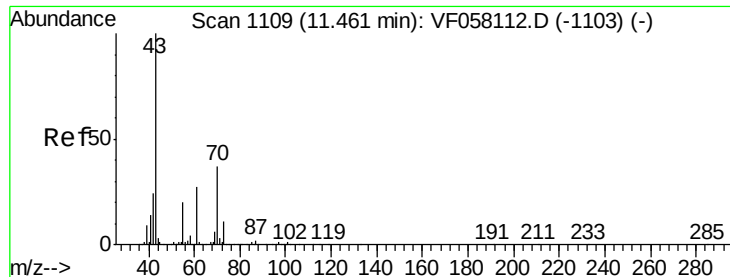
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059210.D
Acq: 20 Jun 2018 3:03

Tgt Ion:152 Resp: 200220
Ion Ratio Lower Upper
152 100
115 56.8 28.5 85.5
150 150.3 0.0 323.8



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-amvl acetate

Concen: 1.720 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

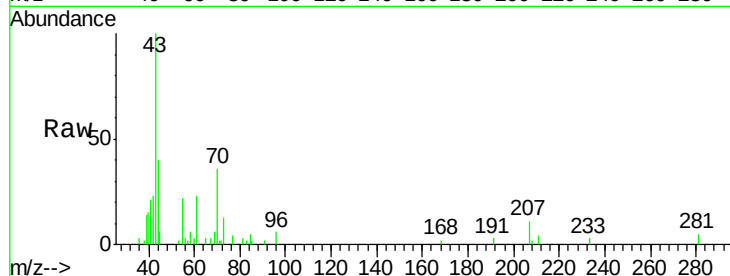
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 8515

Ion	Ratio	Lower	Upper
43	100		
70	36.2	29.2	43.8
55	21.7	15.8	23.6
61	22.9	21.3	31.9

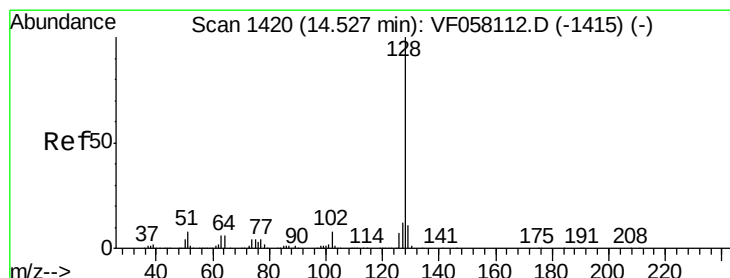
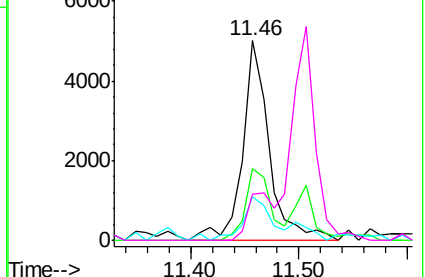
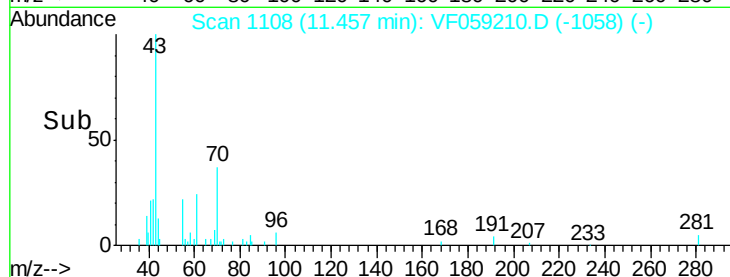


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#95

Naphthalene

Concen: 2.165 ug/l

RT: 14.52 min Scan# 1419

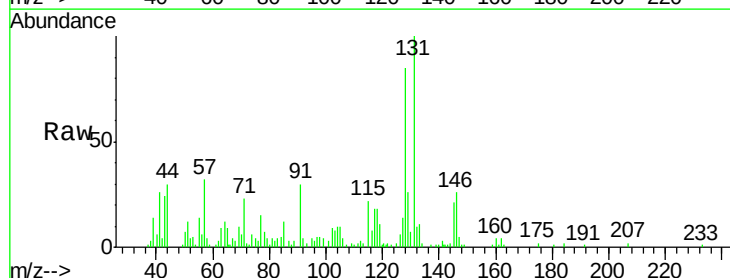
Delta R.T. -0.00 min

Lab File: VF059210.D

Acq: 20 Jun 2018 3:03

Tgt Ion: 128 Resp: 20068

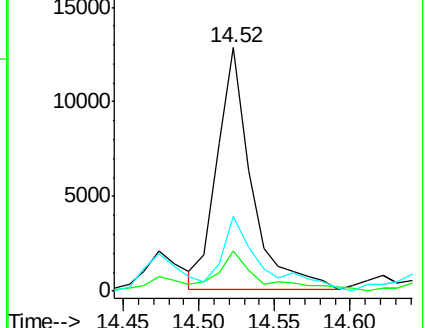
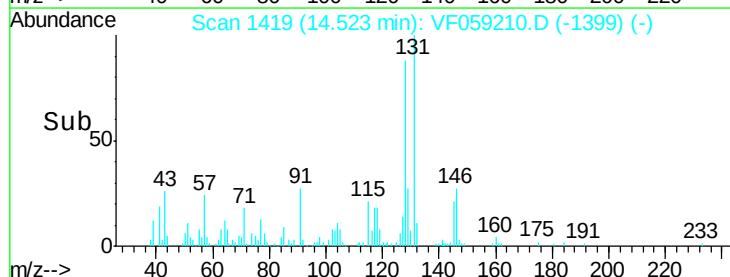
Ion	Ratio	Lower	Upper
128	100		
127	16.6	9.9	14.9#
129	30.4	8.7	13.1#

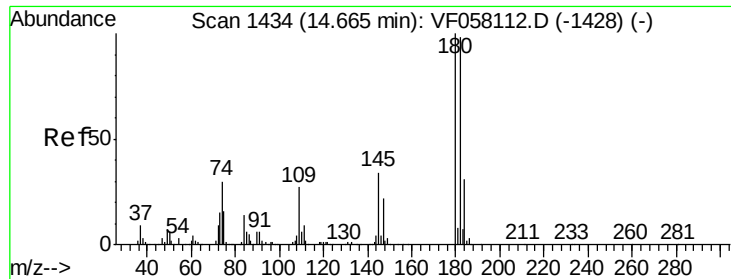


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.013 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VF059210.D
 Acq: 20 Jun 2018 3:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.1	48.9	146.6
145	56.6	17.3	51.7

