

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059291.D
 Acq On : 22 Jun 2018 23:19
 Operator : VA/AP
 Sample : J3605-01
 Misc : 6.94g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-1(5-5.5)

Quant Time: Jun 23 04:38:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	164481	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	252050	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	255751	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	169897	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	155816	66.00	ug/l	-0.01
Spiked Amount 50.000			Recovery =	132.00%		
35) Dibromofluoromethane	4.28	113	34255	16.15	ug/l	-0.02
Spiked Amount 50.000			Recovery =	32.30%		
50) Toluene-d8	7.70	98	332285	61.60	ug/l	-0.01
Spiked Amount 50.000			Recovery =	123.20%		
62) 4-Bromofluorobenzene	11.50	95	185592	62.05	ug/l	-0.01
Spiked Amount 50.000			Recovery =	124.10%		

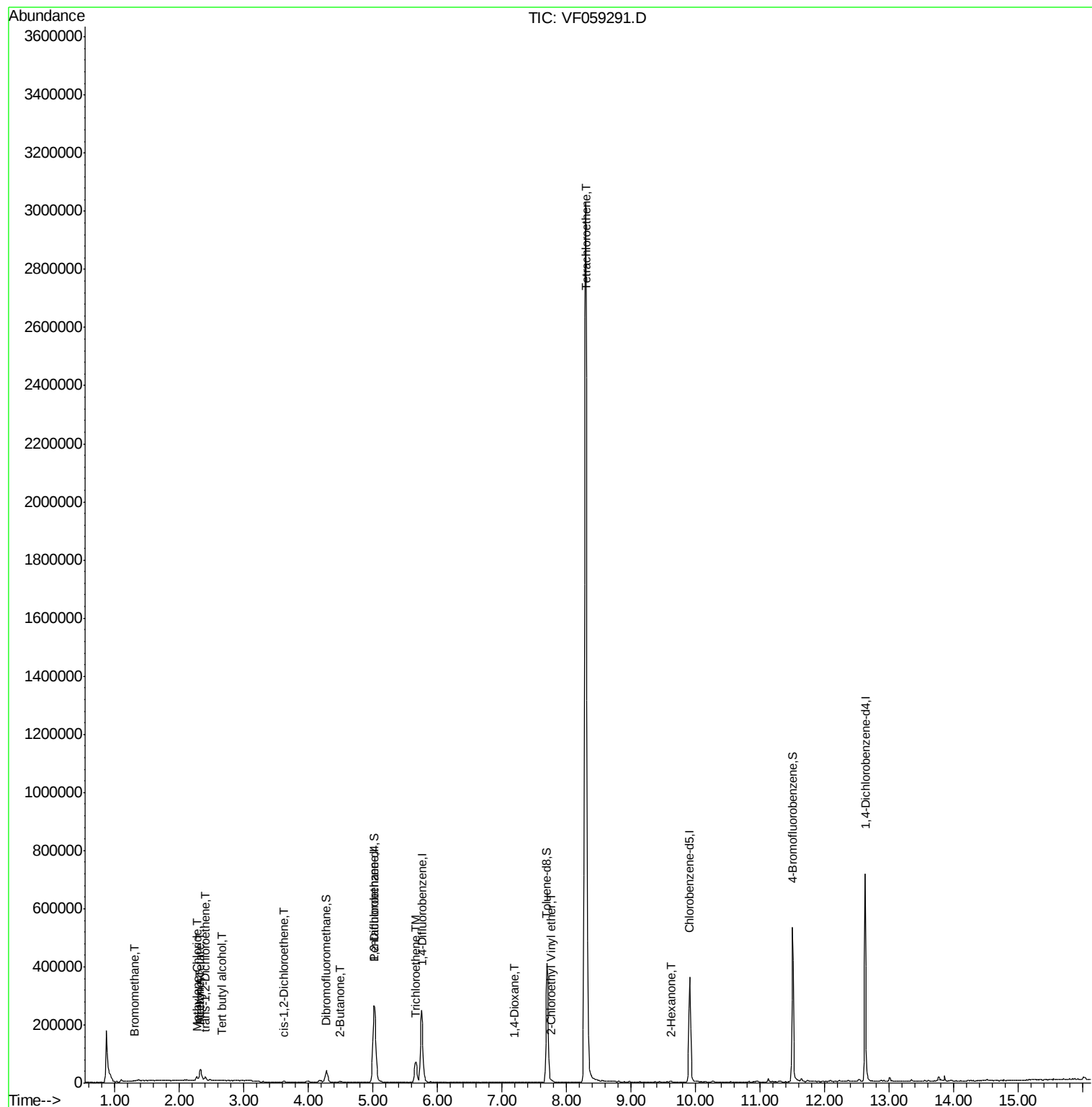
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.30	94	393	2.188	ug/l #	1
11) Tert butyl alcohol	2.67	59	685	4.979	ug/l #	1
13) Acrolein	2.09	56	271	Below Cal	#	1
15) Acrylonitrile	3.10	53	548	Below Cal	#	33
16) Acetone	2.32	43	60093	107.691	ug/l	94
18) Methyl Acetate	2.32	43	60268	57.285	ug/l #	66
20) Methylene Chloride	2.27	84	9757	6.982	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	3215	2.642	ug/l #	73
25) 2-Butanone	4.49	43	5470	7.349	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	1996	1.080	ug/l	42
28) Bromochloromethane	3.82	49	86	Below Cal	#	8
44) Trichloroethene	5.67	130	30288	15.550	ug/l	95
49) 1,4-Dioxane	7.18	88	92	12.082	ug/l #	17
58) 2-Chloroethyl Vinyl ether	7.77	63	173	1.130	ug/l	100
59) 2-Hexanone	9.63	43	1982	1.690	ug/l	99
64) Tetrachloroethene	8.30	164	909804	463.200	ug/l	94

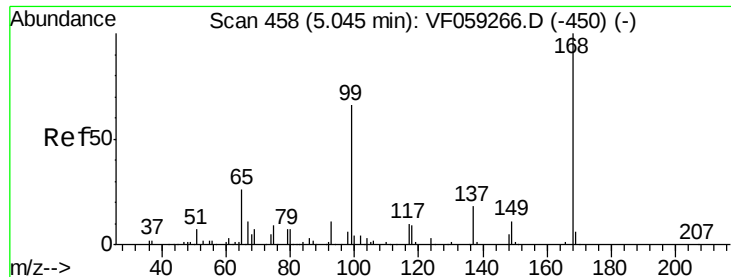
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
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S-1(5-5.5)

Quant Time: Jun 23 04:38:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

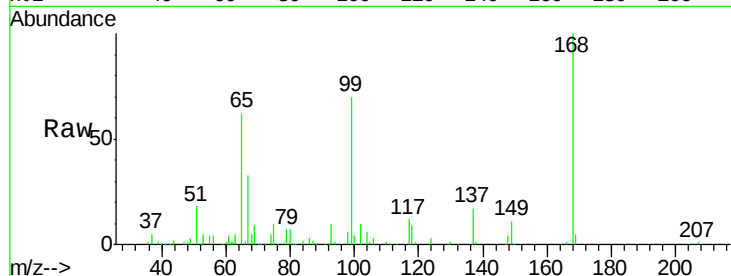
S-1(5-5.5)

Tgt Ion:168 Resp: 164481

Ion Ratio Lower Upper

168 100

99 70.2 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

50000

40000

30000

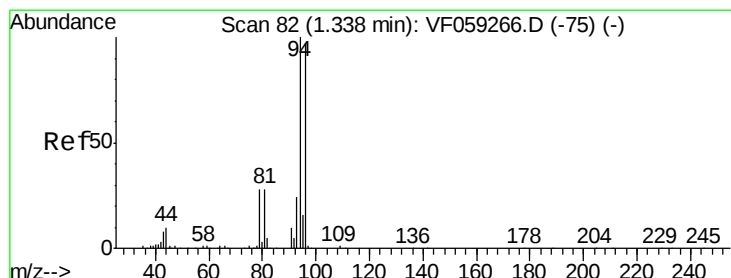
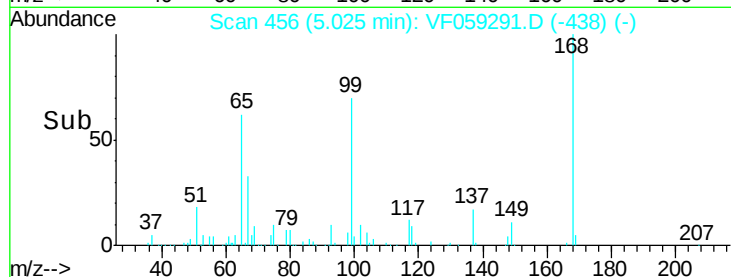
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#5

Bromomethane

Concen: 2.188 ug/l

RT: 1.30 min Scan# 78

Delta R.T. -0.04 min

Lab File: VF059291.D

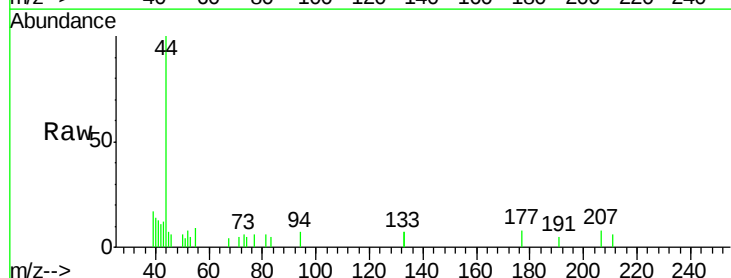
Acq: 22 Jun 2018 23:19

Tgt Ion: 94 Resp: 393

Ion Ratio Lower Upper

94 100

96 0.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.30

200

150

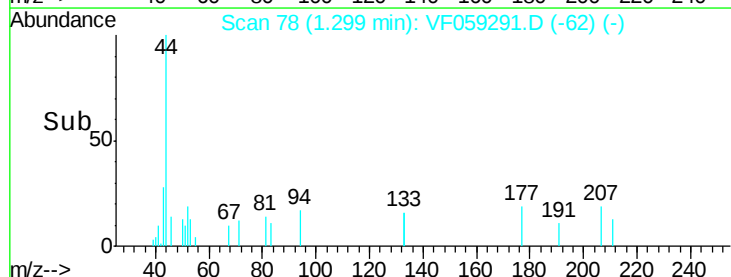
100

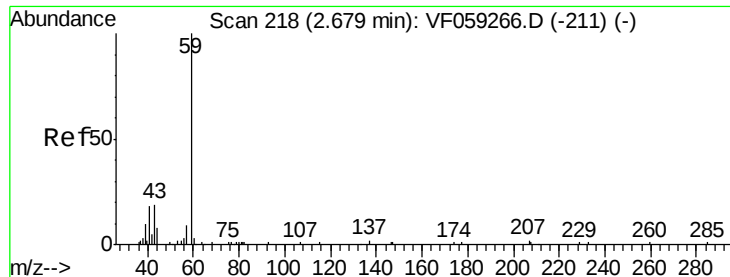
50

0

1.30 1.35

Time-->

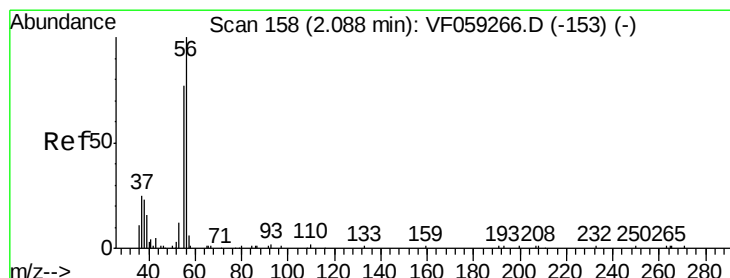
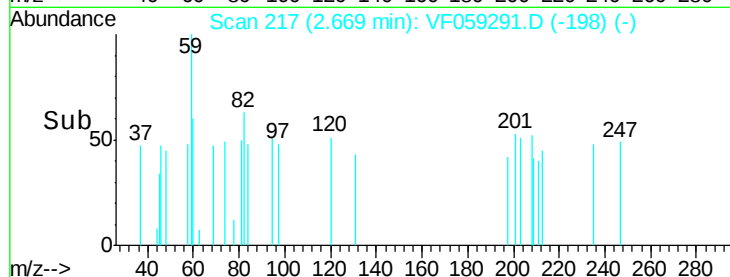
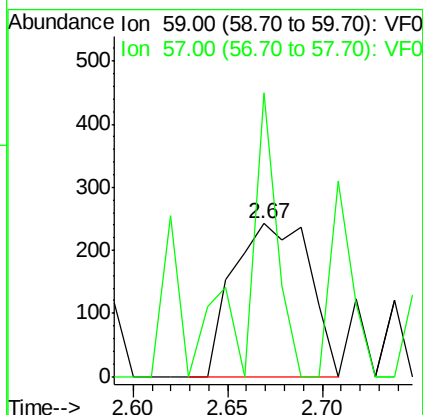
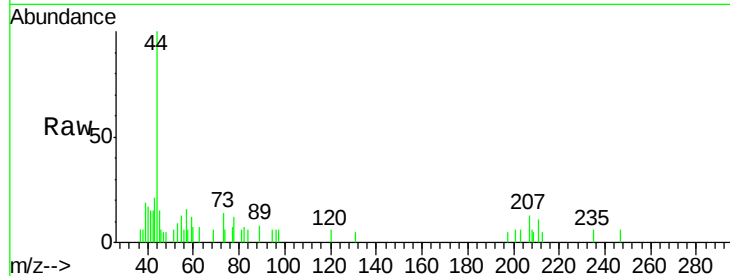




#11
Tert butyl alcohol
Concen: 4.979 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

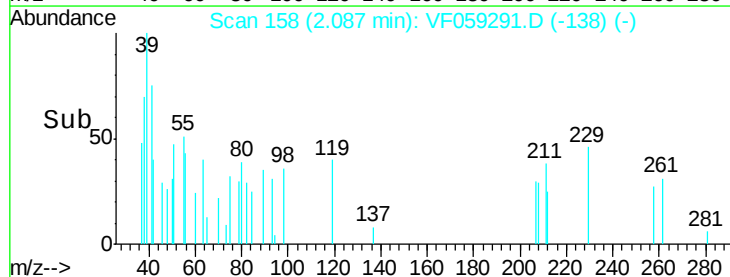
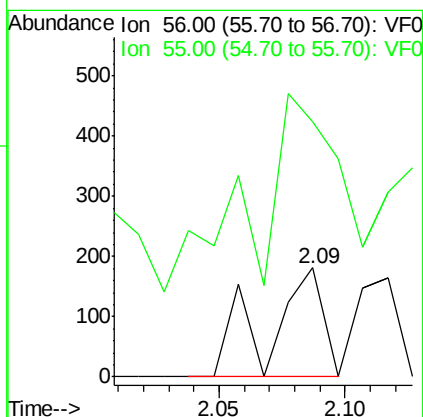
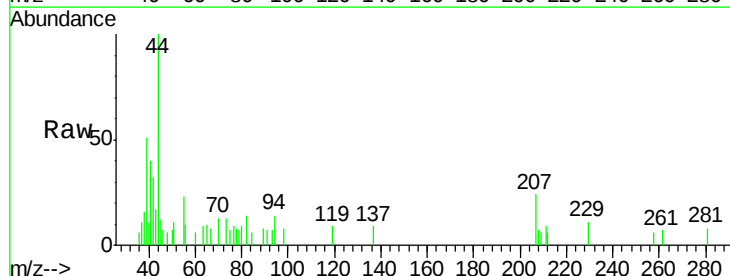
Instrument :
MSVOA_F
ClientSampled :
S-1(5-5.5)

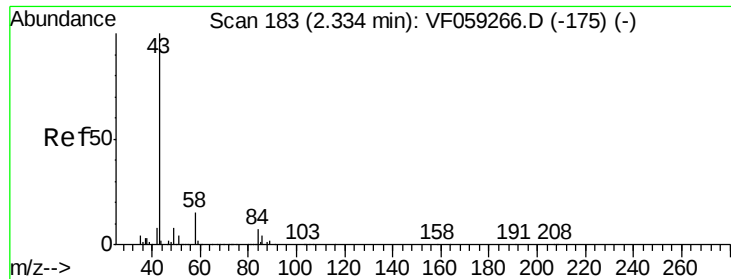
Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 185.5 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

Tgt Ion: 56 Resp: 271
Ion Ratio Lower Upper
56 100
55 233.7 63.0 94.6#

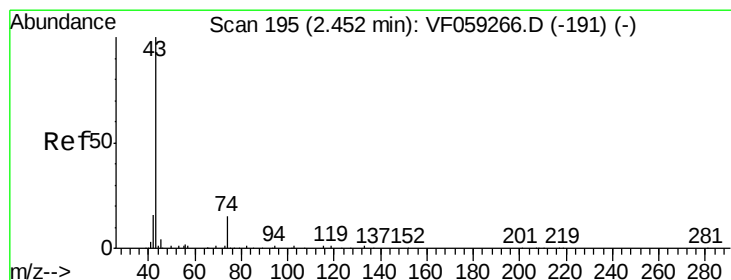
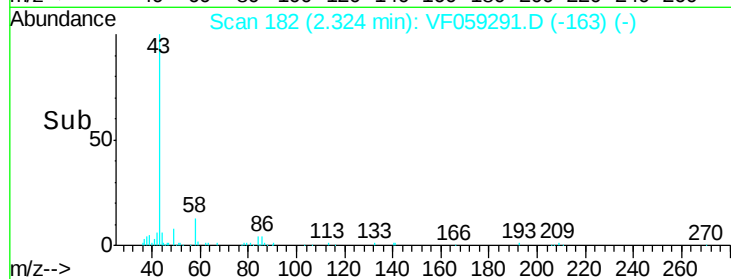
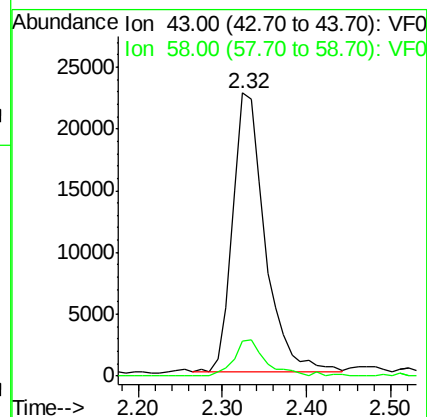
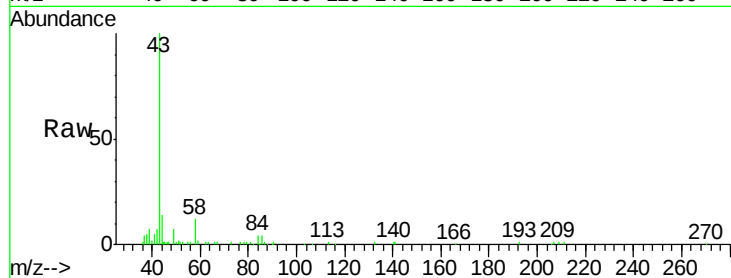




#16
Acetone
Concen: 107.691 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

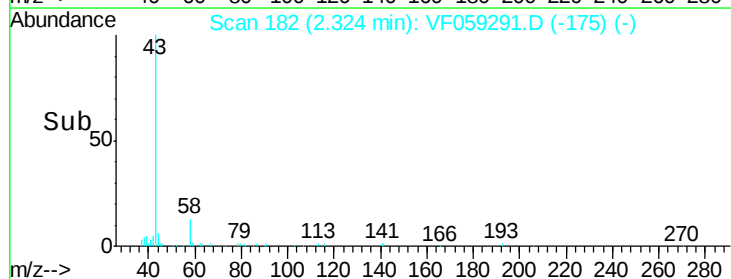
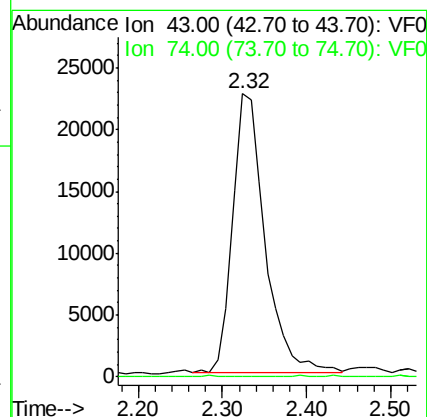
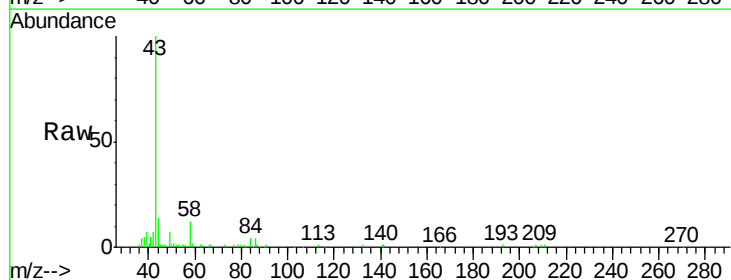
Instrument :
MSVOA_F
ClientSampleId :
S-1(5-5.5)

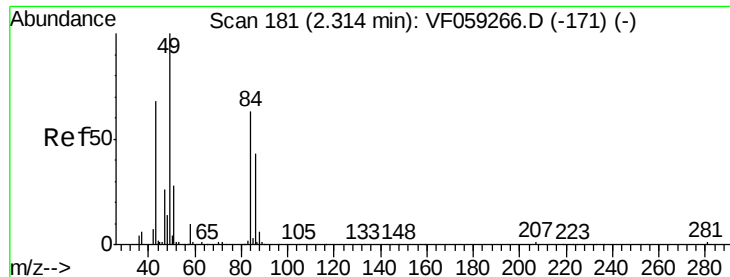
Tgt Ion: 43 Resp: 60093
Ion Ratio Lower Upper
43 100
58 12.5 12.1 18.1



#18
Methyl Acetate
Concen: 57.285 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.13 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

Tgt Ion: 43 Resp: 60268
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#





#20

Methylene Chloride

Concen: 6.982 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.04 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

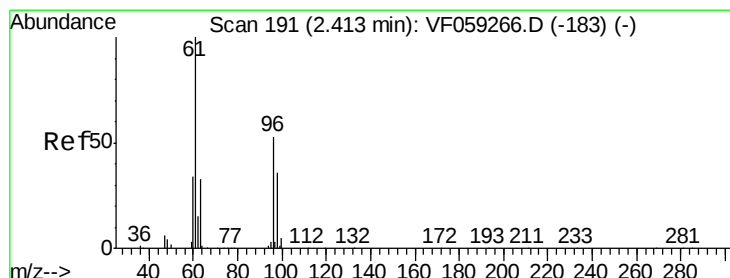
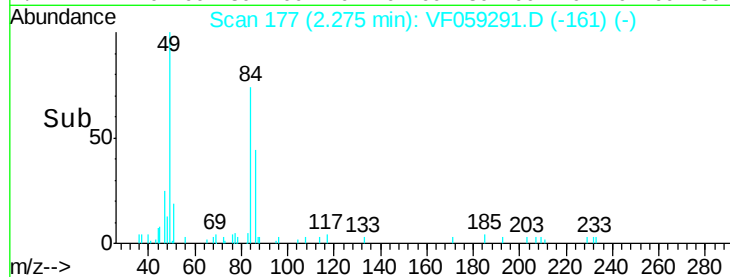
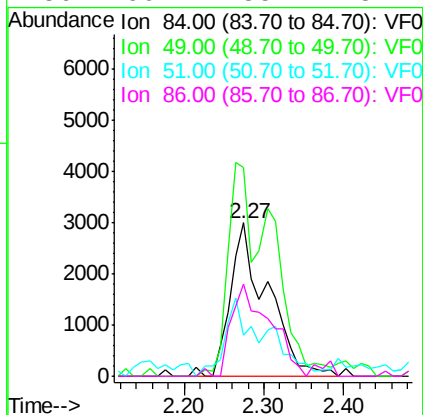
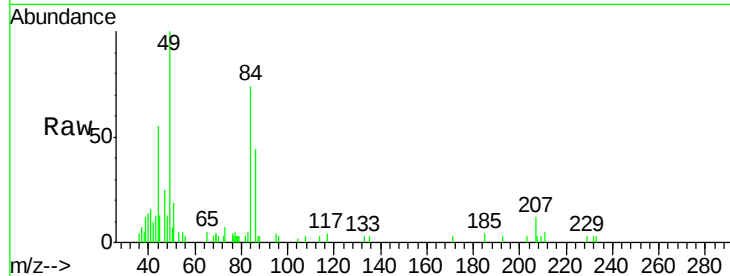
Instrument :

MSVOA_F

ClientSampleId :

S-1(5-5.5)

Tgt Ion:	84	Resp:	9757
Ion	Ratio	Lower	Upper
84	100		
49	136.0	130.0	195.0
51	26.3	36.6	55.0#
86	60.4	55.1	82.7



#21

trans-1,2-Dichloroethene

Concen: 2.642 ug/l

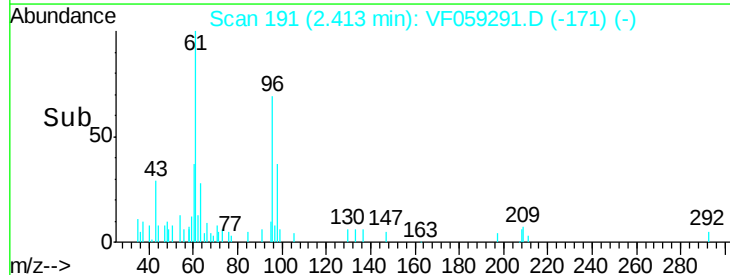
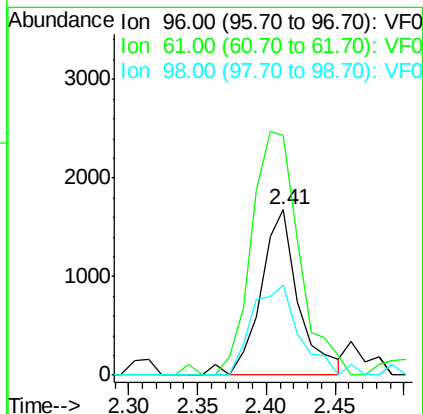
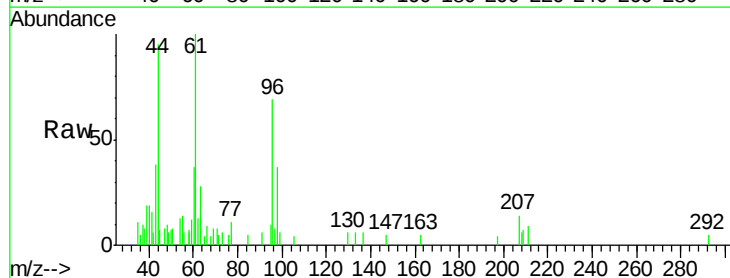
RT: 2.41 min Scan# 191

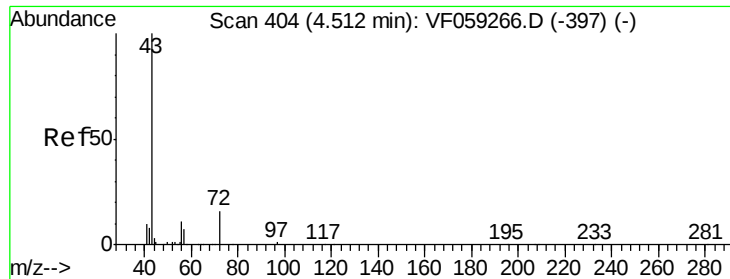
Delta R.T. -0.00 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Tgt Ion:	96	Resp:	3215
Ion	Ratio	Lower	Upper
96	100		
61	144.8	151.2	226.8#
98	54.3	54.2	81.2





#25

2-Butanone

Concen: 7.349 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

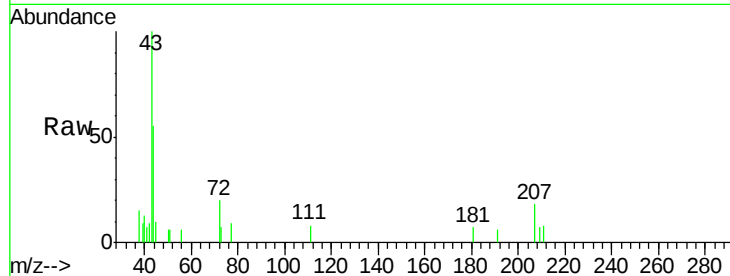
S-1(5-5.5)

Tgt Ion: 43 Resp: 5470

Ion Ratio Lower Upper

43 100

72 19.6 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Time-->

4.40 4.50 4.60

4.49

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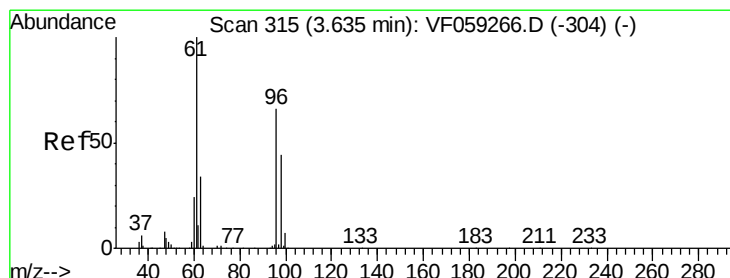
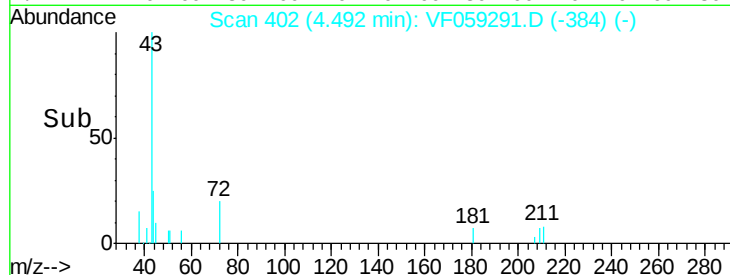
4.49

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#27

cis-1,2-Dichloroethene

Concen: 1.080 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.02 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

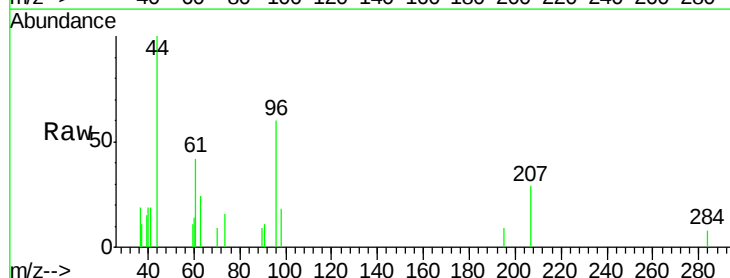
Tgt Ion: 96 Resp: 1996

Ion Ratio Lower Upper

96 100

61 71.0 0.0 305.0

98 31.0 0.0 134.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->

3.50 3.55 3.60 3.65 3.70

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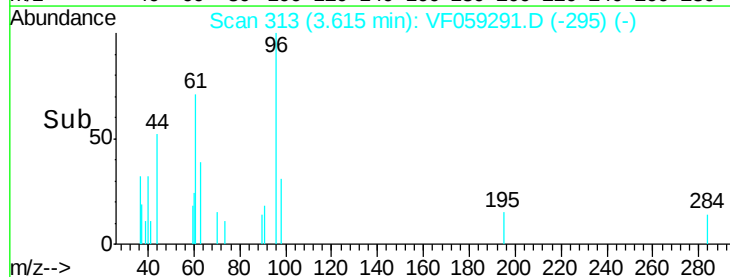
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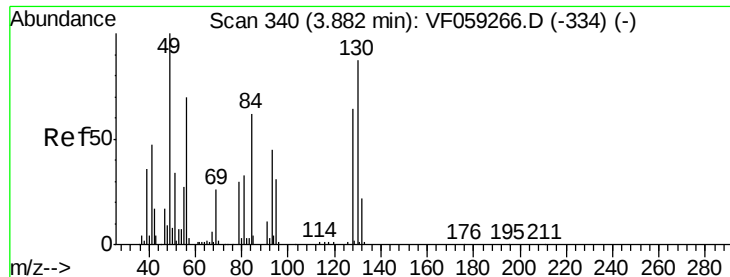
3.62

3.62

3.62

3.62





#28

Bromochloromethane

Concen: Below Cal

RT: 3.82 min Scan# 334

Delta R.T. -0.06 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

S-1(5-5.5)

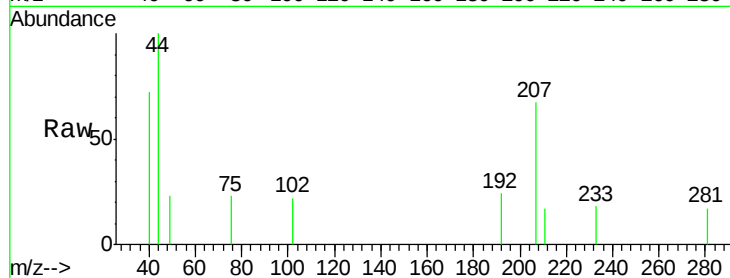
Tgt Ion: 49 Resp: 86

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

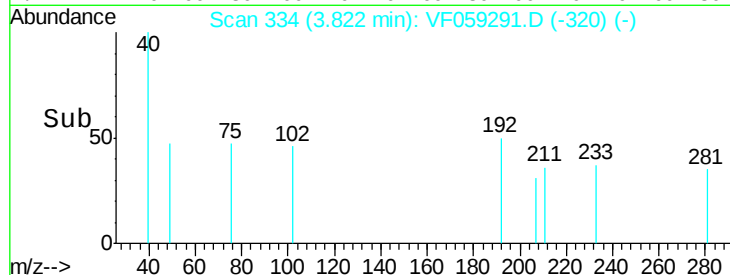
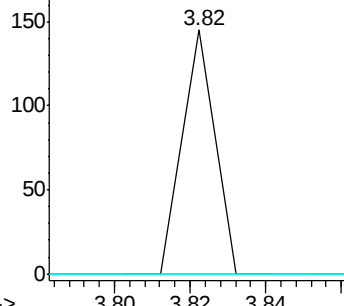
130 0.0 69.4 104.2#



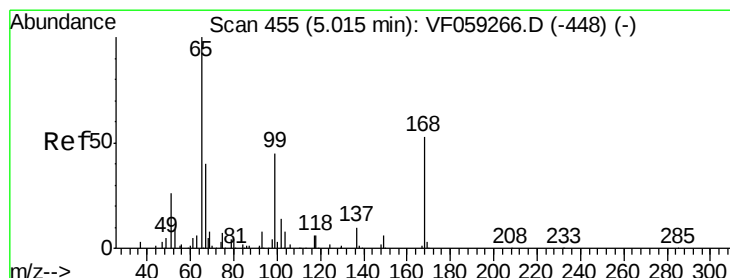
Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#33

1,2-Dichloroethane-d4

Concen: 65.996 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059291.D

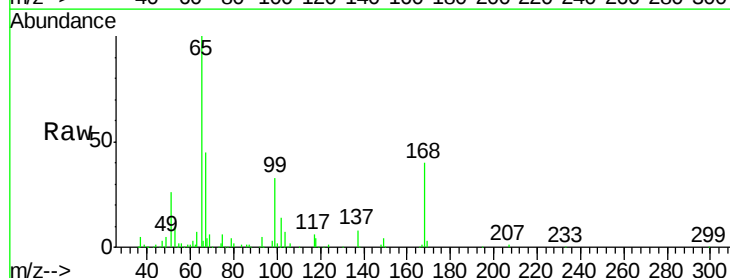
Acq: 22 Jun 2018 23:19

Tgt Ion: 65 Resp: 155816

Ion Ratio Lower Upper

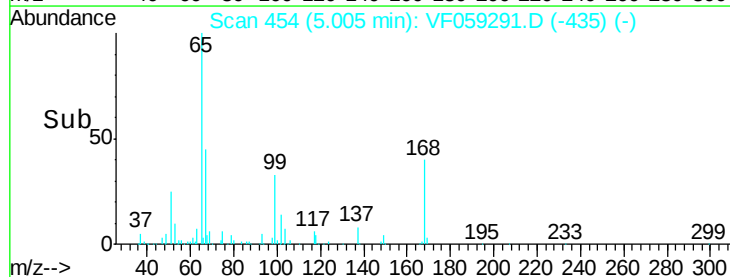
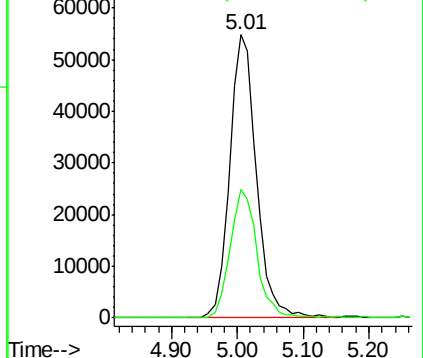
65 100

67 45.4 0.0 95.8

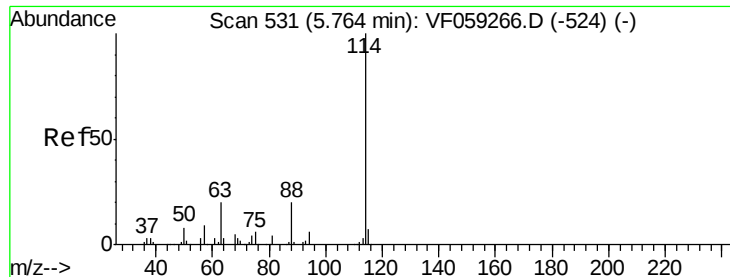


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



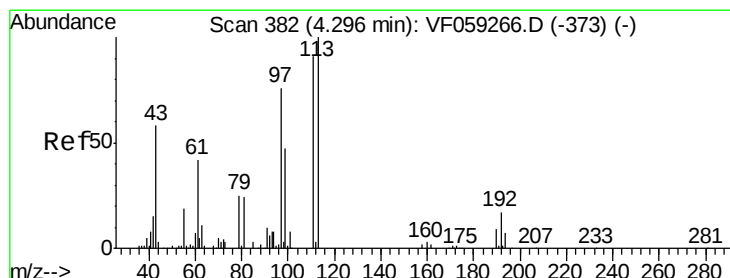
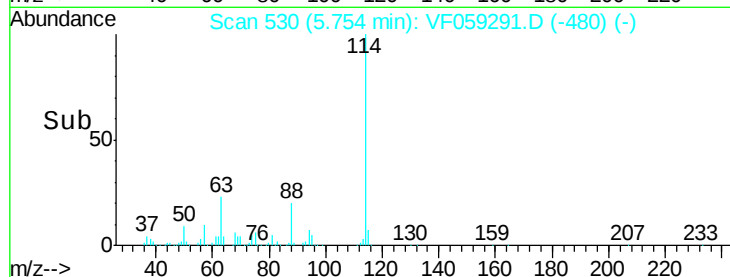
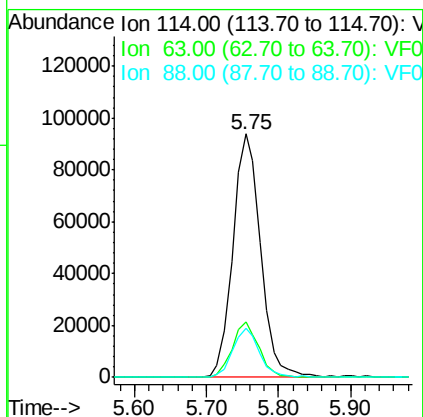
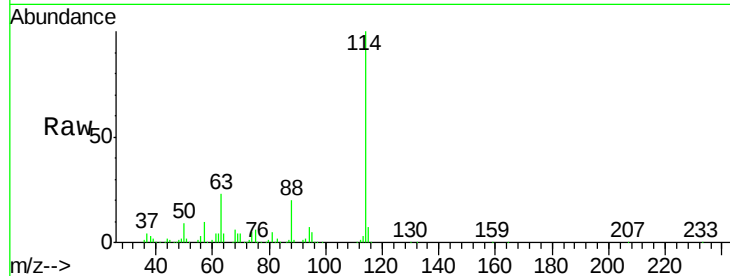
Time-->



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059291.D
 Acq: 22 Jun 2018 23:19

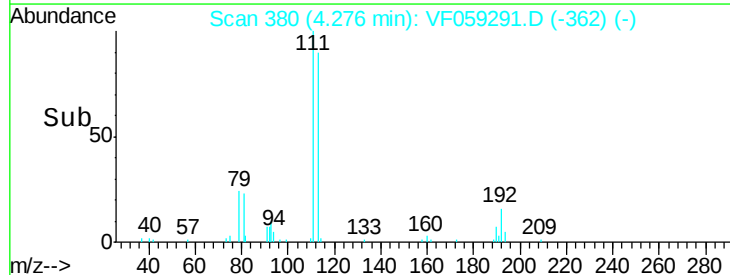
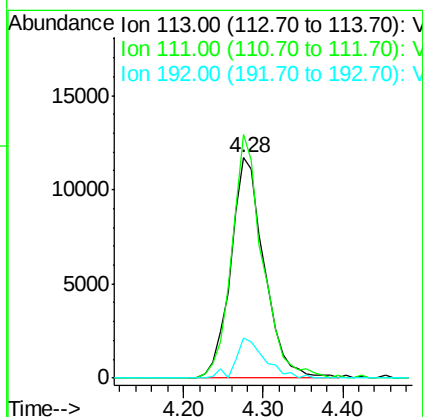
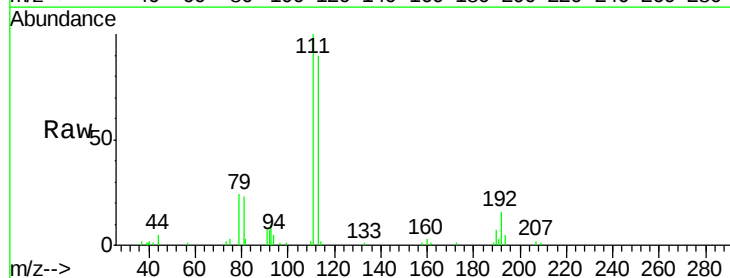
Instrument :
 MSVOA_F
 ClientSampleId :
 S-1(5-5.5)

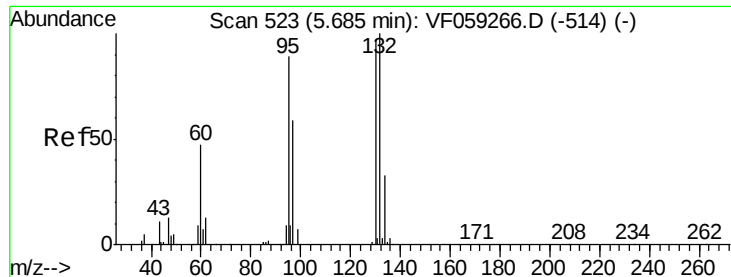
Tgt Ion:114 Resp: 252050
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 41.0
 88 20.0 0.0 39.6



#35
 Dibromofluoromethane
 Concen: 16.153 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF059291.D
 Acq: 22 Jun 2018 23:19

Tgt Ion:113 Resp: 34255
 Ion Ratio Lower Upper
 113 100
 111 110.5 73.1 109.7#
 192 18.0 13.9 20.9





#44

Trichloroethene

Concen: 15.550 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

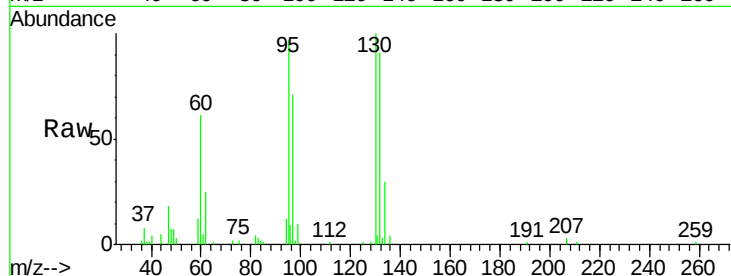
S-1(5-5.5)

Tgt Ion:130 Resp: 30288

Ion Ratio Lower Upper

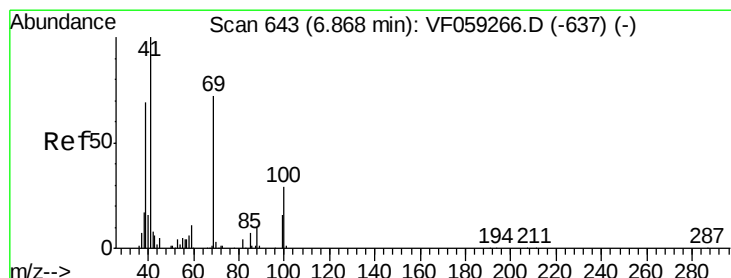
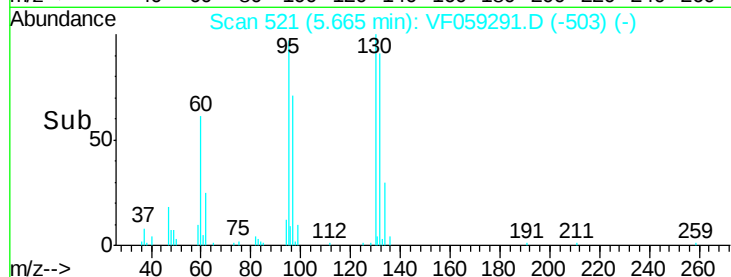
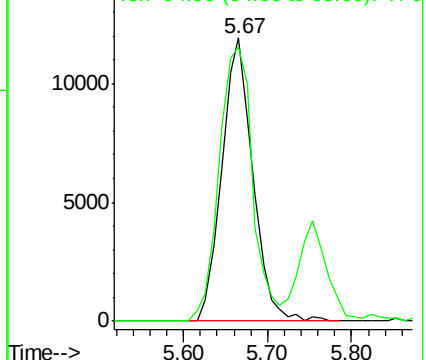
130 100

95 96.9 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#49

1,4-Dioxane

Concen: 12.082 ug/l

RT: 7.18 min Scan# 675

Delta R.T. 0.32 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

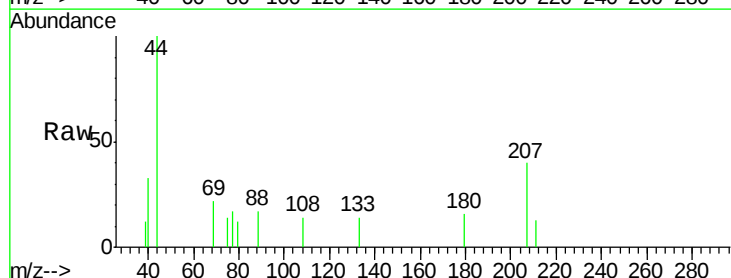
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 0.0 55.5 83.3#

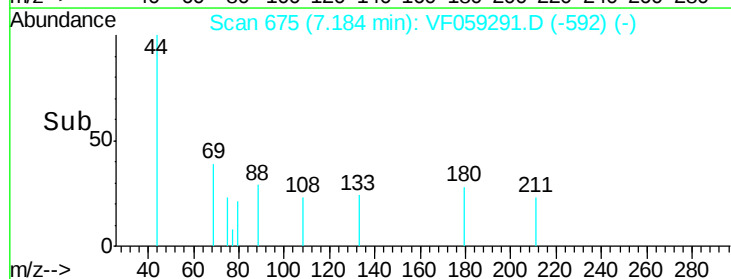
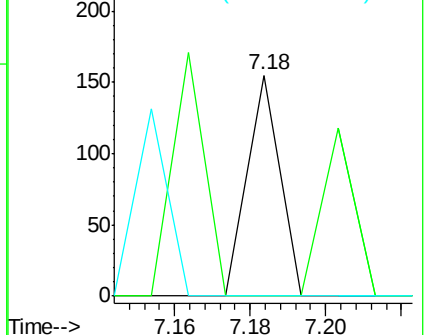
58 0.0 50.1 75.1#

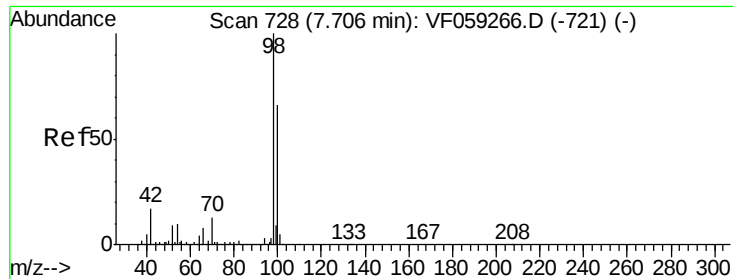


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 61.602 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

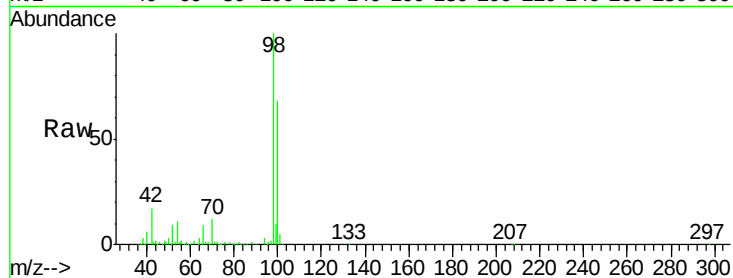
S-1(5-5.5)

Tgt Ion: 98 Resp: 332285

Ion Ratio Lower Upper

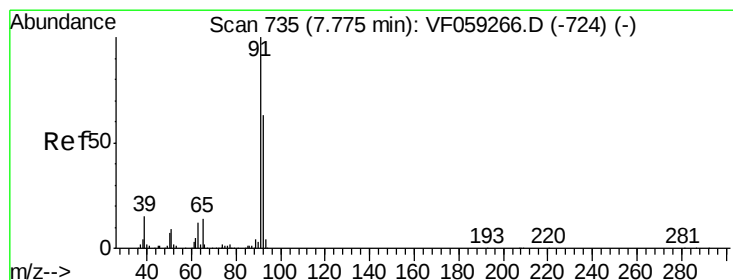
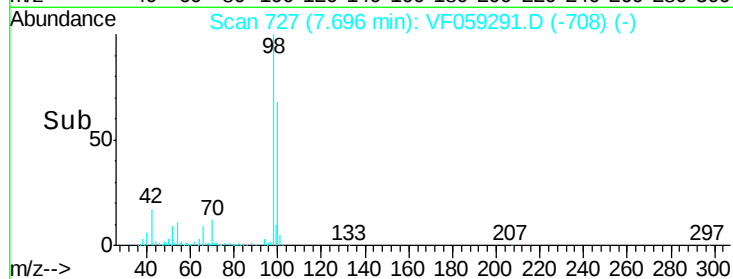
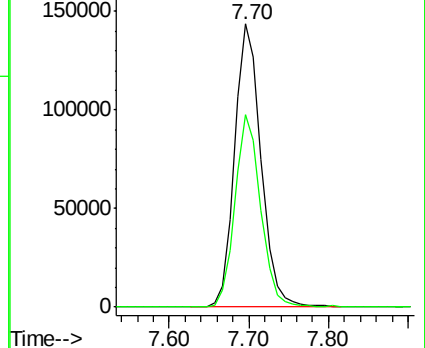
98 100

100 68.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 1.130 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059291.D

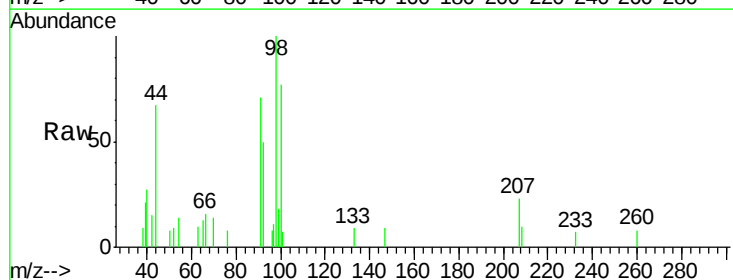
Acq: 22 Jun 2018 23:19

Tgt Ion: 63 Resp: 173

Ion Ratio Lower Upper

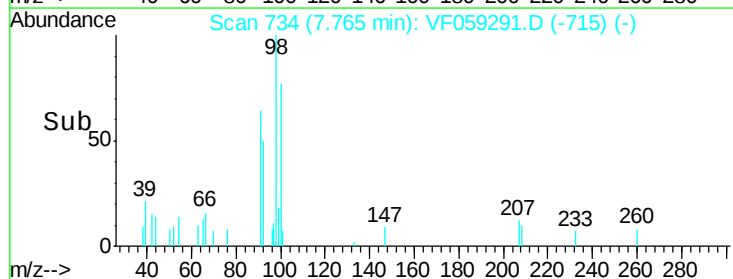
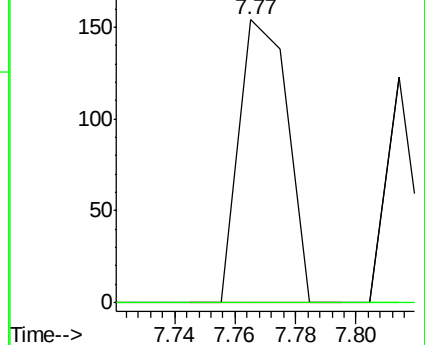
63 100

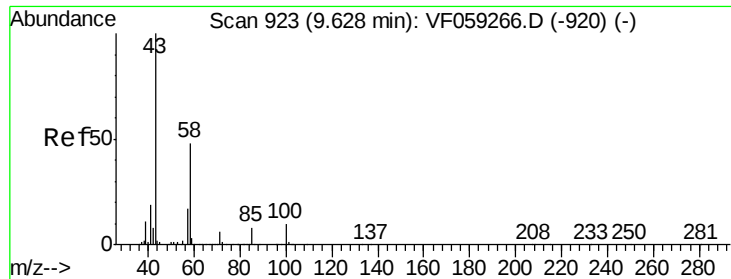
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

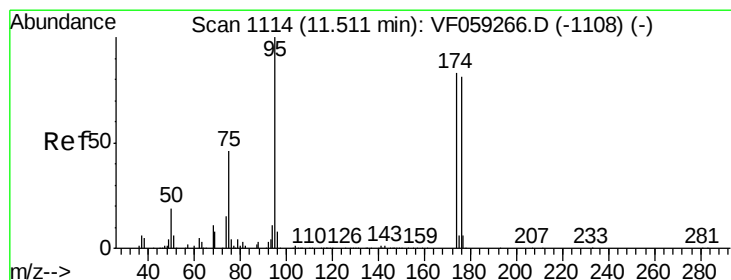
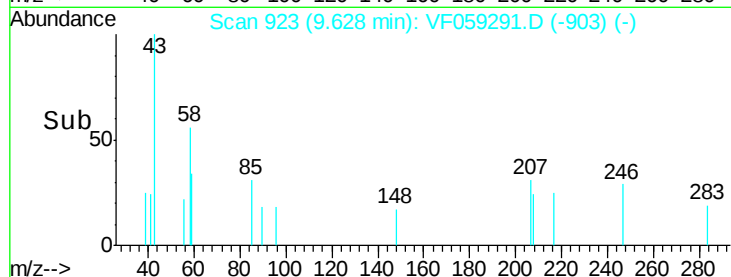
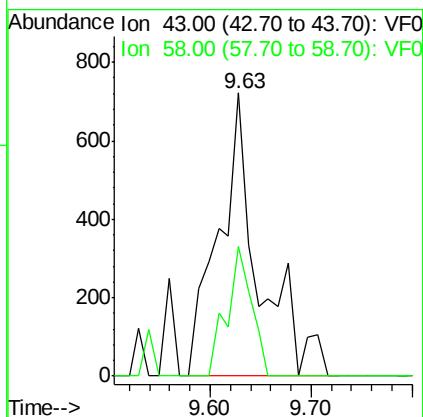
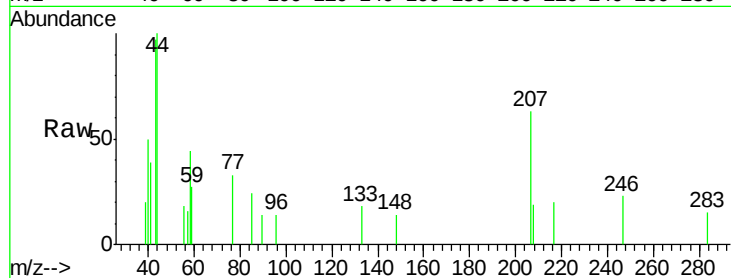




#59
2-Hexanone
Concen: 1.690 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

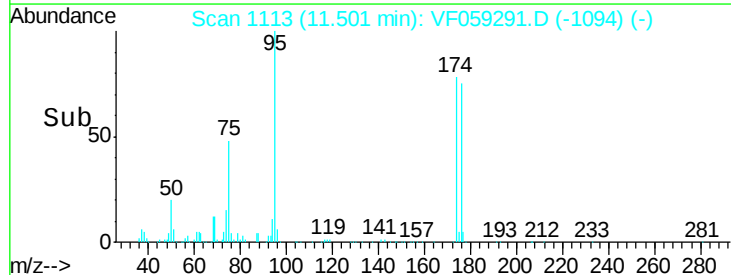
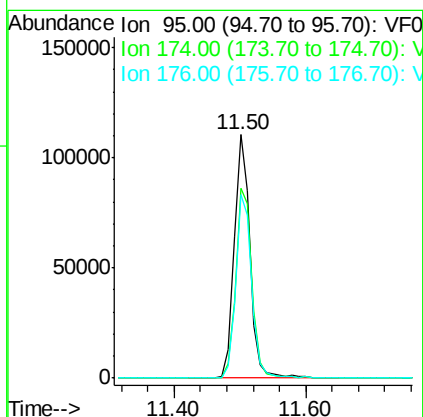
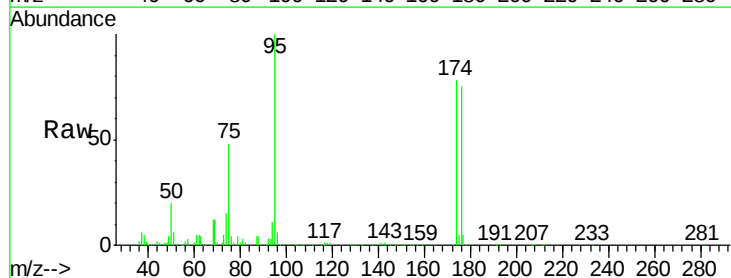
Instrument :
MSVOA_F
ClientSampleId :
S-1(5-5.5)

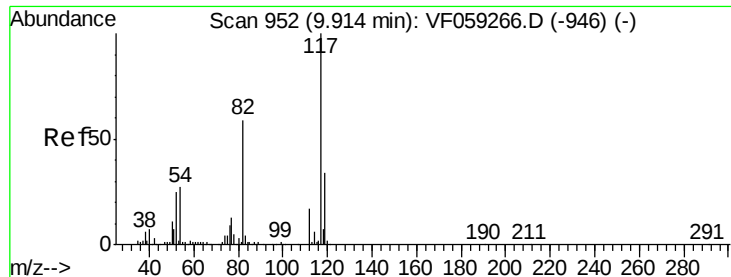
Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 62.048 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

Tgt Ion: 95 Resp: 185592
Ion Ratio Lower Upper
95 100
174 77.8 0.0 166.2
176 75.2 0.0 162.8

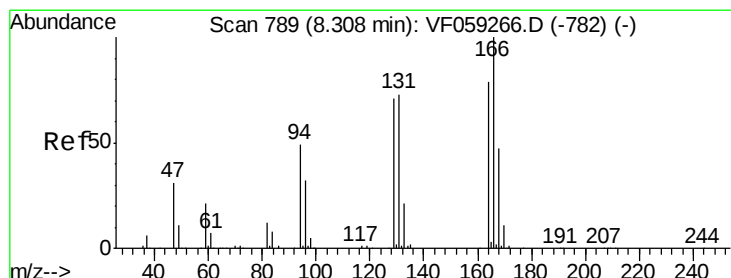
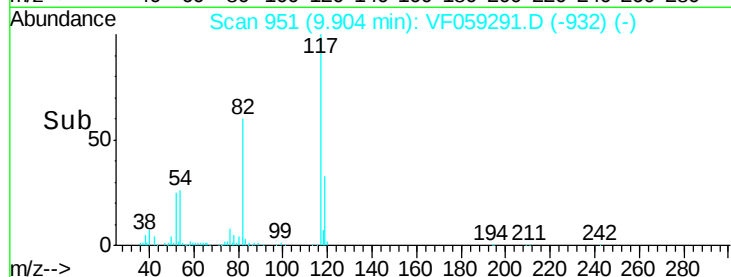
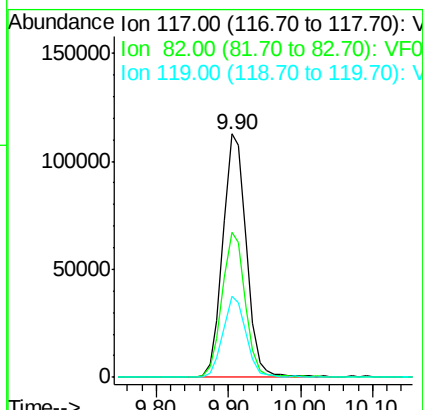
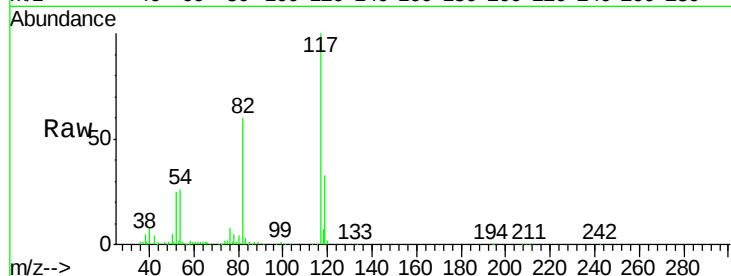




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

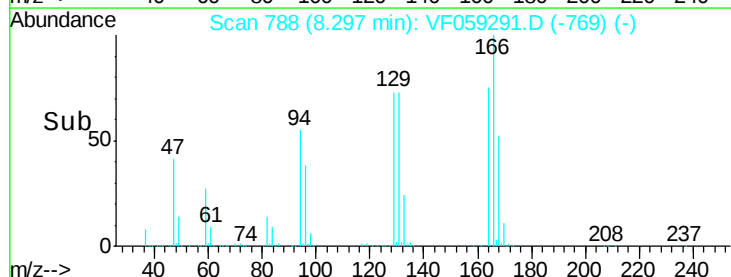
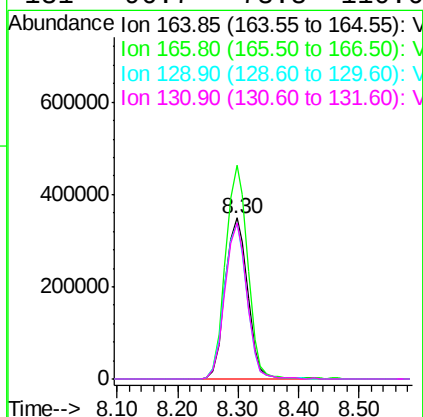
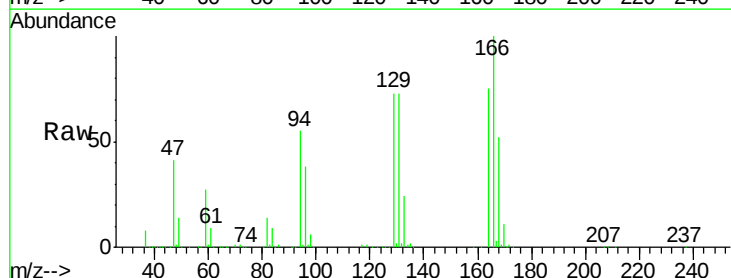
Instrument :
MSVOA_F
ClientSampleId :
S-1(5-5.5)

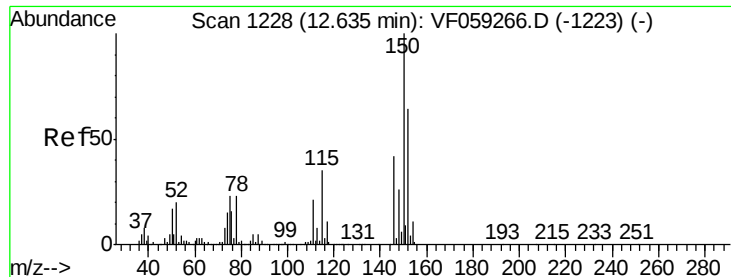
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.1	70.7
119	33.3	26.9	40.3



#64
Tetrachloroethene
Concen: 463.200 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059291.D
Acq: 22 Jun 2018 23:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.4	152.2
129	97.3	72.2	108.4
131	96.7	73.8	110.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059291.D

Acq: 22 Jun 2018 23:19

Instrument :

MSVOA_F

ClientSampleId :

S-1(5-5.5)

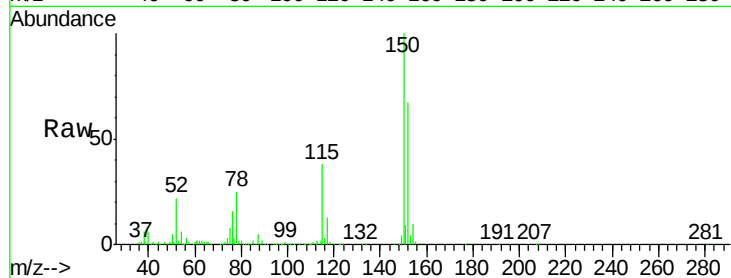
Tgt Ion:152 Resp: 169897

Ion Ratio Lower Upper

152 100

115 57.2 27.8 83.3

150 150.1 0.0 313.8



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

