

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059381.D
 Acq On : 29 Jun 2018 17:19
 Operator : VA/AP
 Sample : J3774-08
 Misc : 4.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 29 23:40:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	372453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	605161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	594881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	374878	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	265015	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	4.28	113	261136	59.06	ug/l	0.00
Spiked Amount			Recovery	=	118.12%	
50) Toluene-d8	7.70	98	608332	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	
62) 4-Bromofluorobenzene	11.50	95	323011	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	

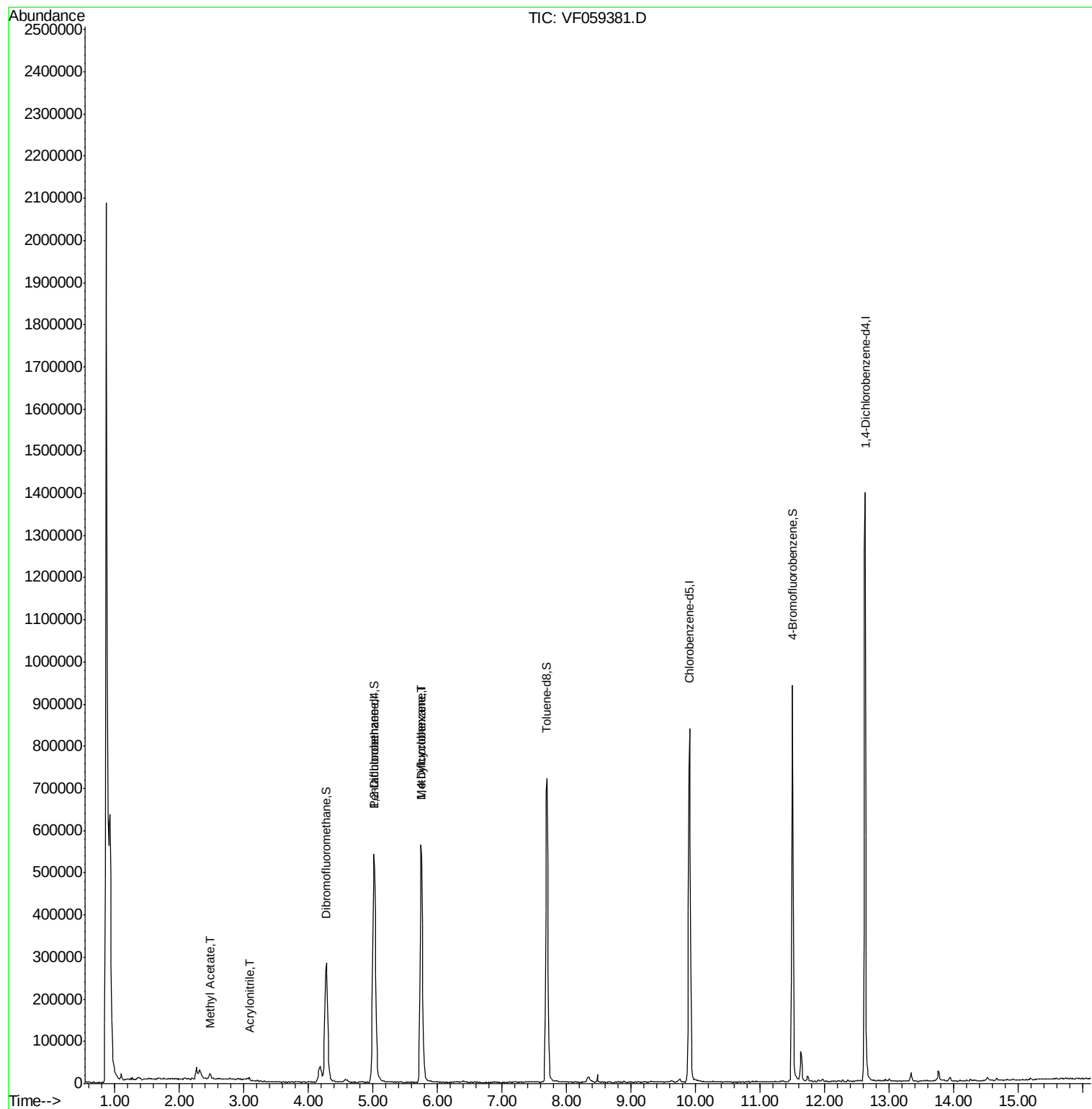
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.19	94	133	Below Cal		94
13) Acrolein	2.01	56	399	Below Cal		87
15) Acrylonitrile	3.08	53	813	1.441 ug/l #		9
16) Acetone	2.33	43	6719	Below Cal		97
18) Methyl Acetate	2.47	43	7365	2.280 ug/l #		61
20) Methylene Chloride	2.32	84	7838	Below Cal		95
25) 2-Butanone	4.50	43	1029	Below Cal #		82
28) Bromochloromethane	3.82	49	59	Below Cal #		6
29) Tetrahydrofuran	4.26	42	1138	Below Cal		95
37) Ethyl Acetate	4.27	43	1145	Below Cal #		26
39) Methylcyclohexane	5.75	83	7152	1.527 ug/l #		45
49) 1,4-Dioxane	6.92	88	122	Below Cal #		79
59) 2-Hexanone	9.62	43	2896	Below Cal		89
87) 1,3-Dichlorobenzene	12.55	146	561	Below Cal		82

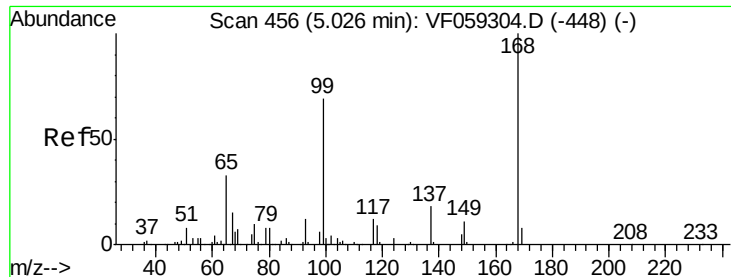
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062918\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

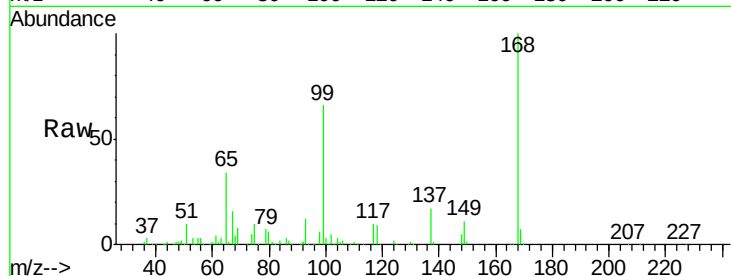
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 372453

Ion Ratio Lower Upper

168 100

99 65.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

150000

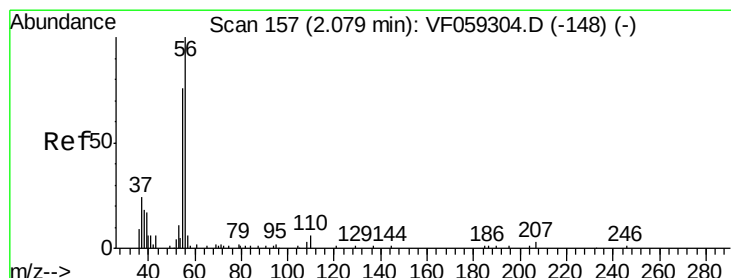
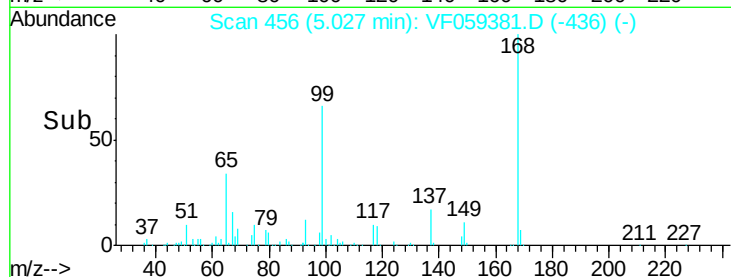
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#13

Acrolein

Concen: Below Cal

RT: 2.01 min Scan# 150

Delta R.T. -0.07 min

Lab File: VF059381.D

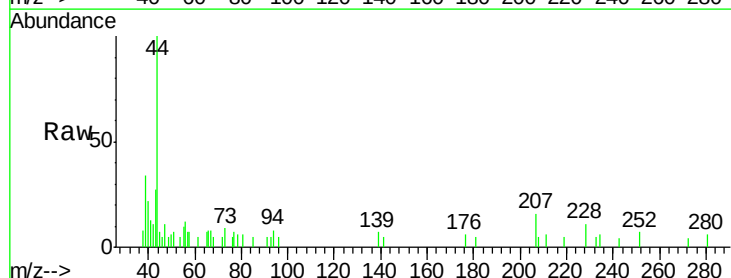
Acq: 29 Jun 2018 17:19

Tgt Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

55 89.5 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

400

300

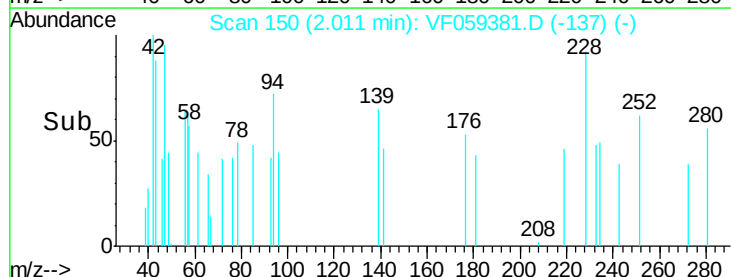
200

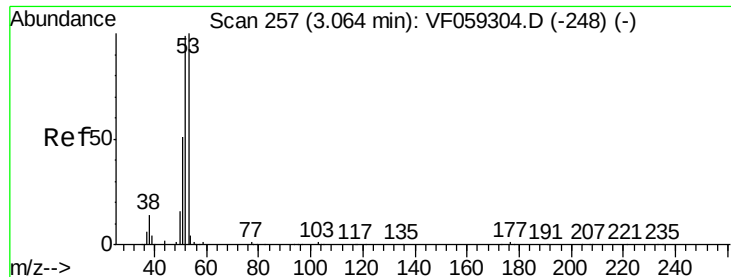
100

0

Time-->

1.95 2.00 2.05





#15

Acrylonitrile

Concen: 1.441 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

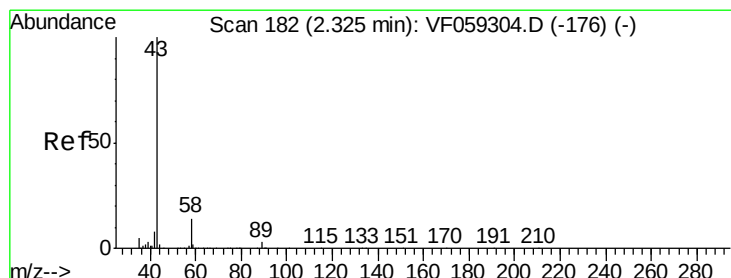
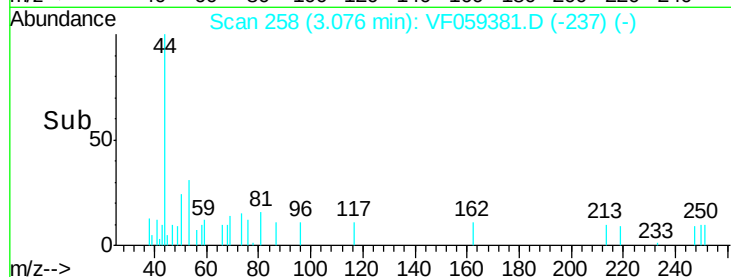
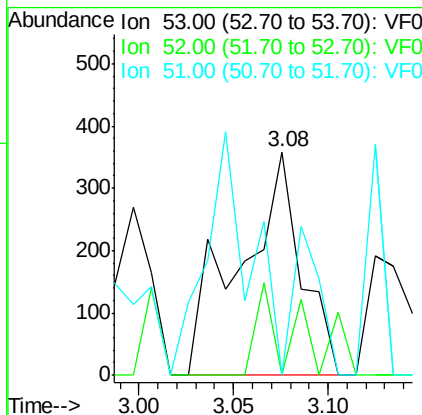
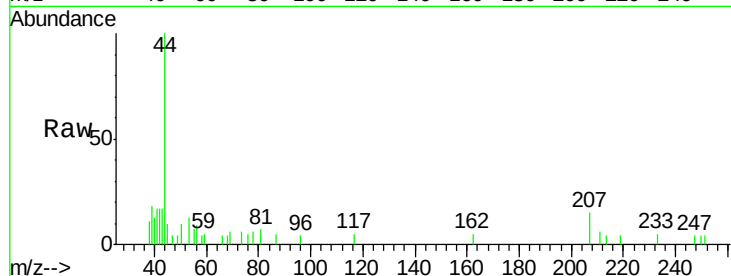
Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 813

Ion	Ratio	Lower	Upper
53	100		
52	0.0	79.2	118.8#
51	0.0	40.9	61.3#



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

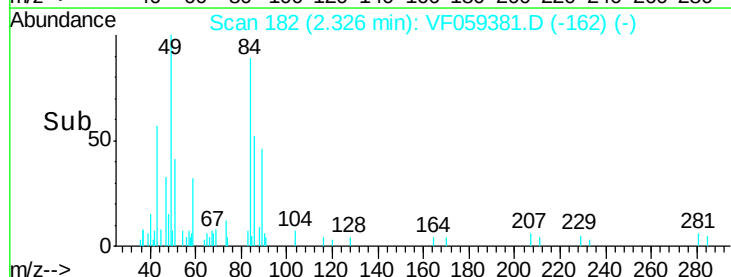
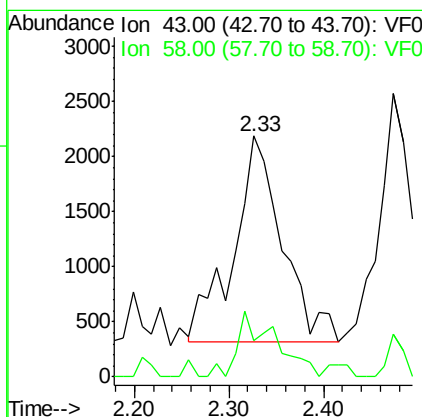
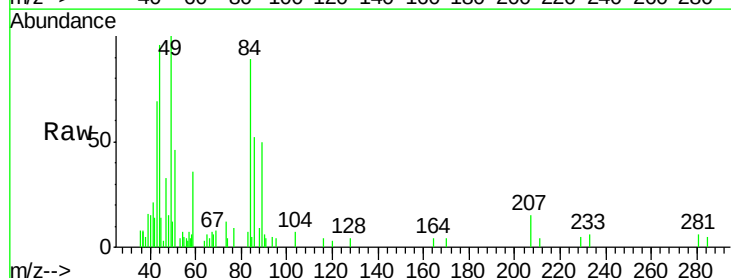
Delta R.T. 0.00 min

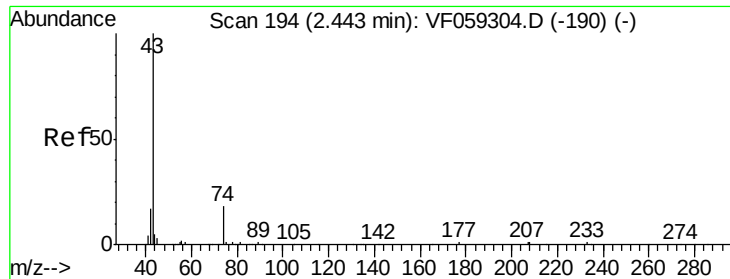
Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Tgt Ion: 43 Resp: 6719

Ion	Ratio	Lower	Upper
43	100		
58	15.3	11.4	17.0

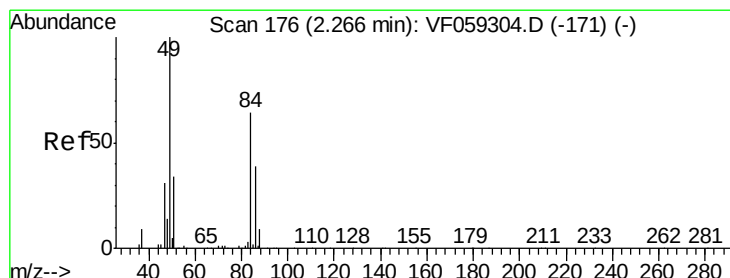
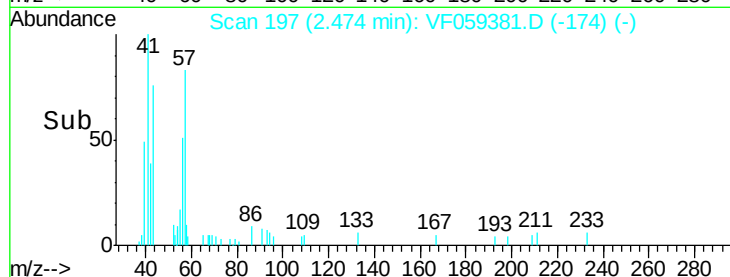
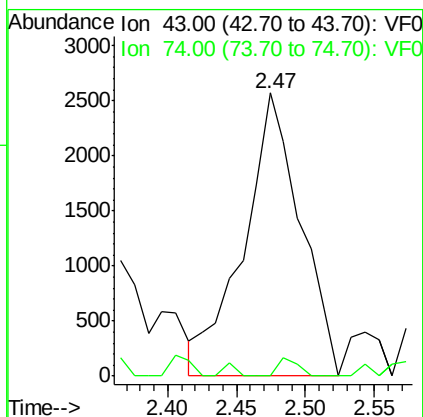
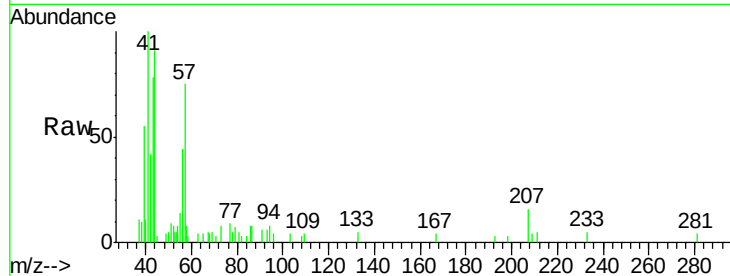




#18
Methyl Acetate
Concen: 2.280 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.03 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

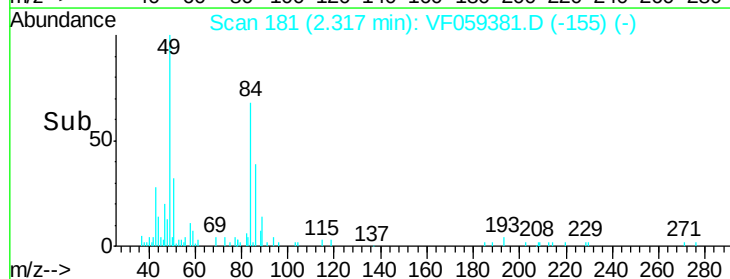
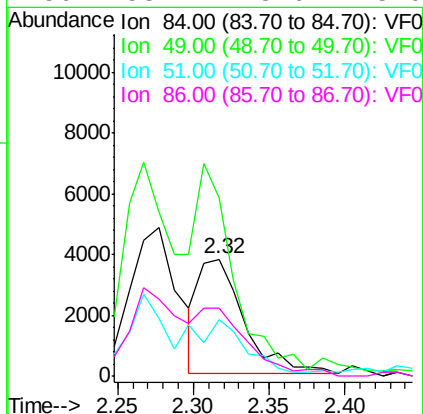
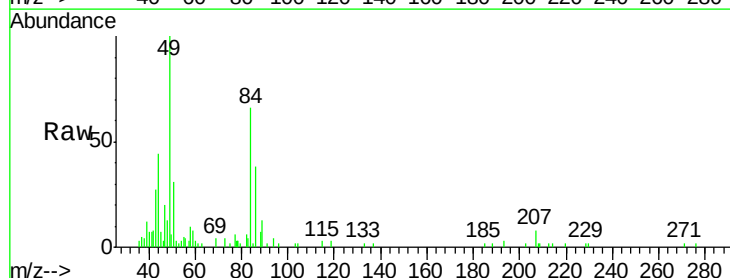
Instrument :
MSVOA_F
ClientSampled :

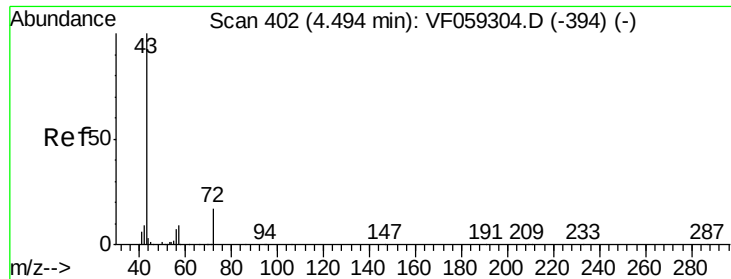
Tot Ion: 43 Resp: 7365
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 181
Delta R.T. 0.05 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion: 84 Resp: 7838
Ion Ratio Lower Upper
84 100
49 152.0 126.5 189.7
51 47.6 42.9 64.3
86 58.1 48.6 73.0





#25

2-Butanone

Concen: Below Cal

RT: 4.50 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

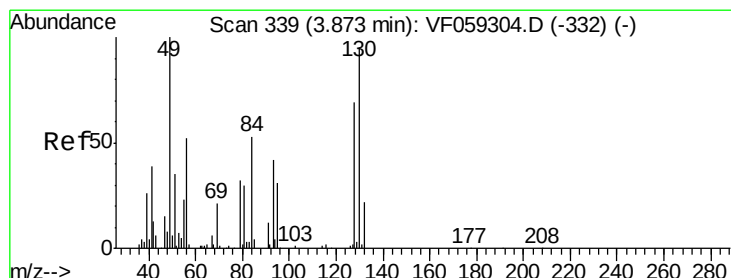
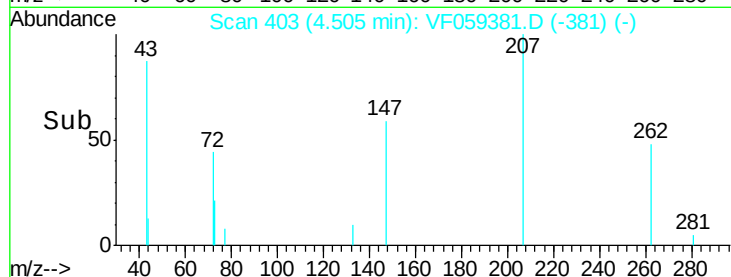
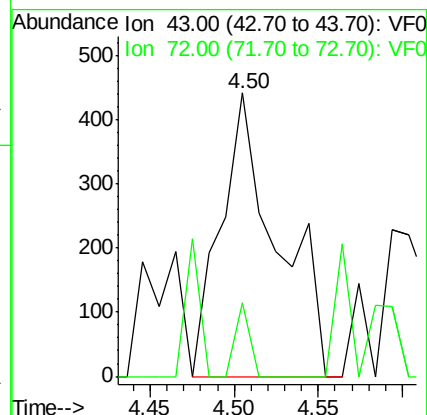
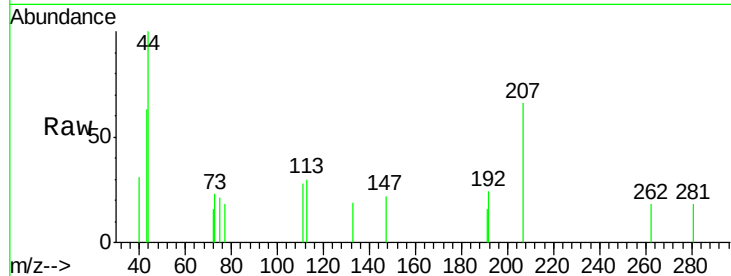
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

72 26.0 14.4 21.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.82 min Scan# 334

Delta R.T. -0.05 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

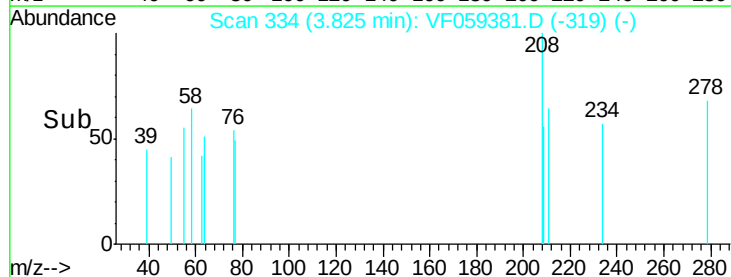
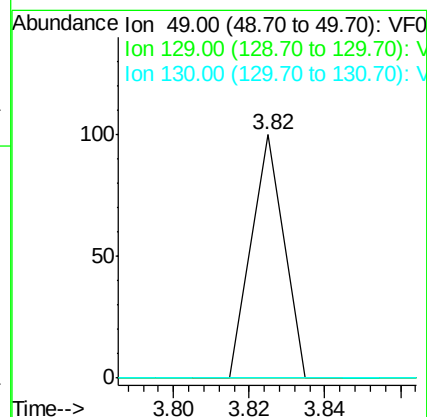
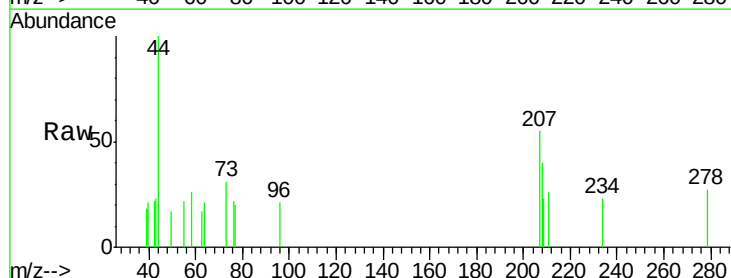
Tgt Ion: 49 Resp: 59

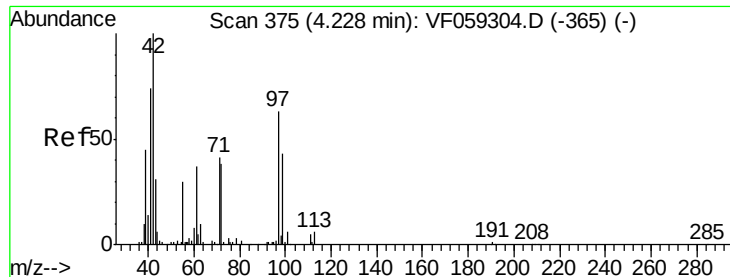
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

130 0.0 75.1 112.7#





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.26 min Scan# 378

Delta R.T. 0.03 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

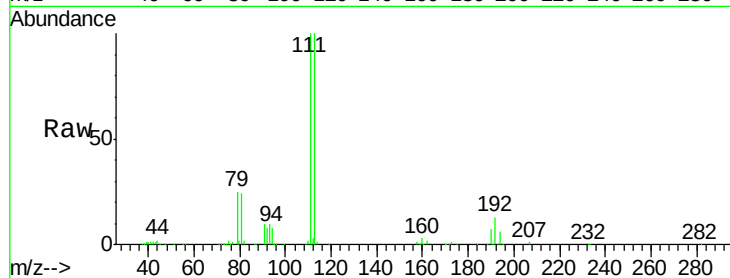
Tot Ion: 42 Resp: 1138

Ion Ratio Lower Upper

42 100

72 31.9 30.5 45.7

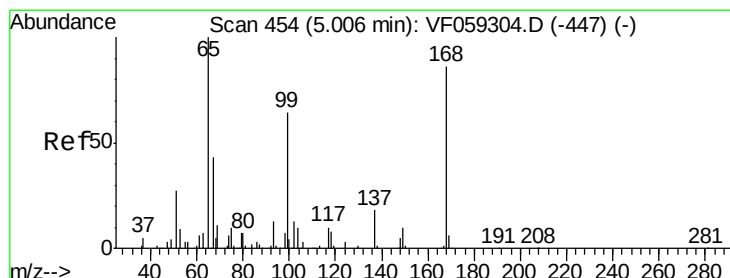
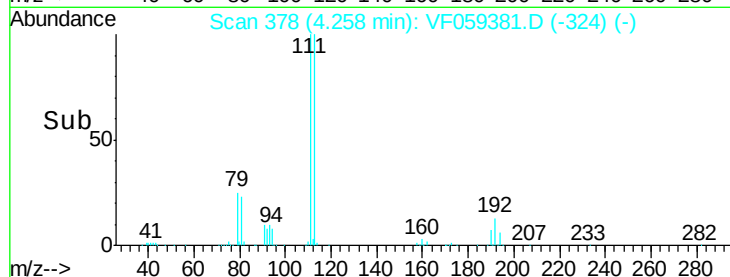
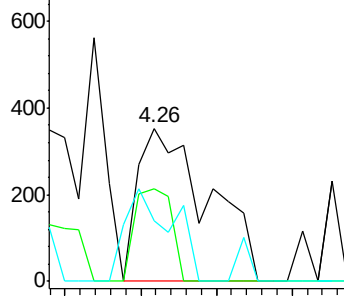
71 40.2 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 55.073 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059381.D

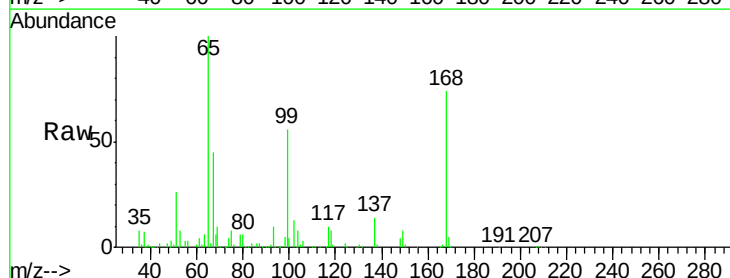
Acq: 29 Jun 2018 17:19

Tgt Ion: 65 Resp: 265015

Ion Ratio Lower Upper

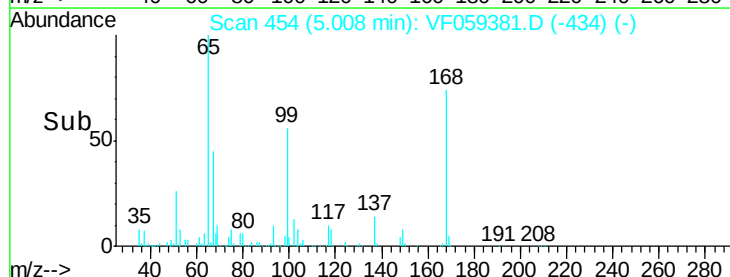
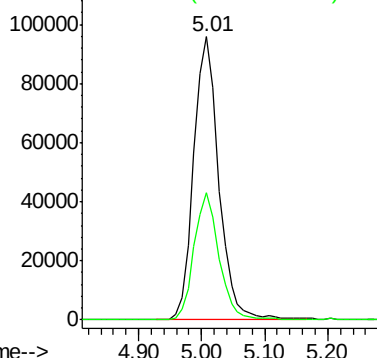
65 100

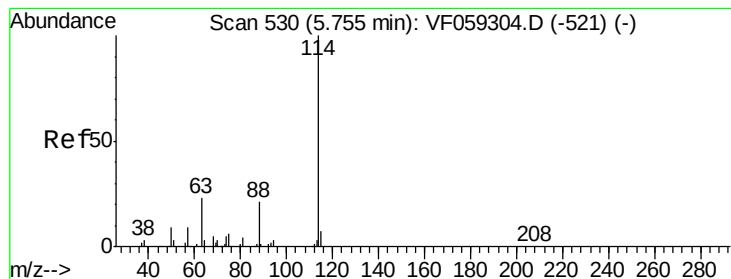
67 44.9 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampled :

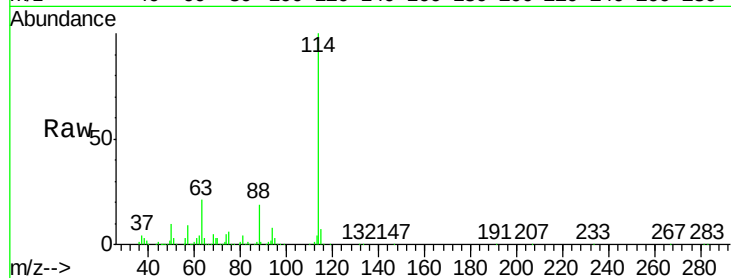
Tot Ion:114 Resp: 605161

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.8

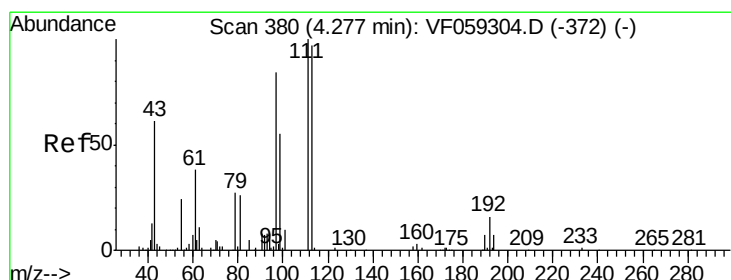
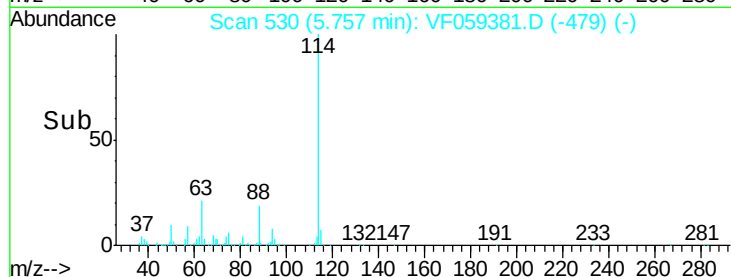
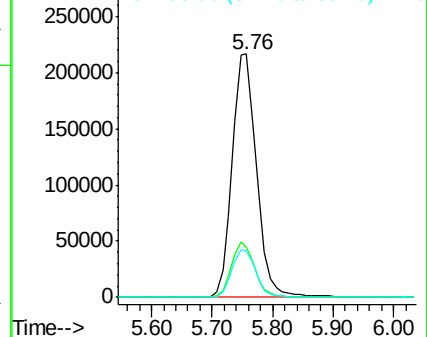
88 19.1 0.0 41.2



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: 59.058 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

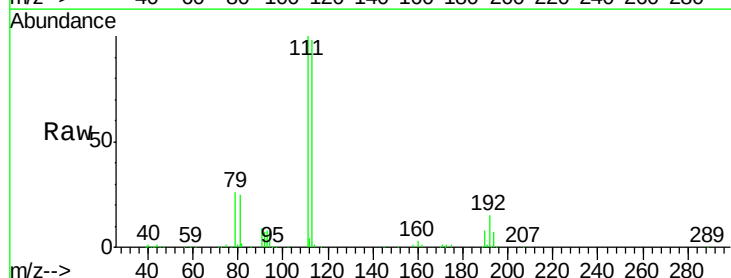
Tgt Ion:113 Resp: 261136

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

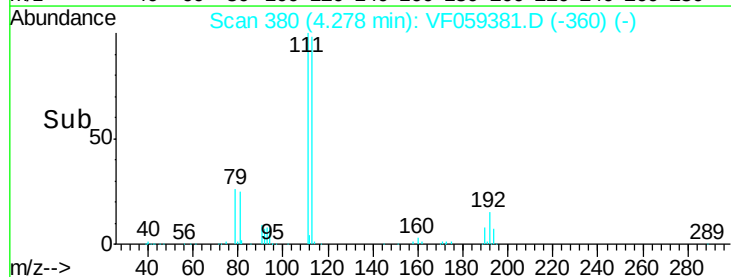
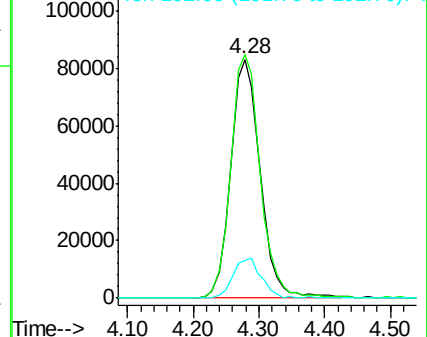
192 15.6 13.0 19.6

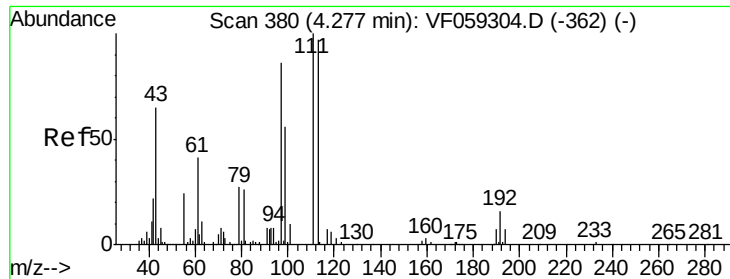


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

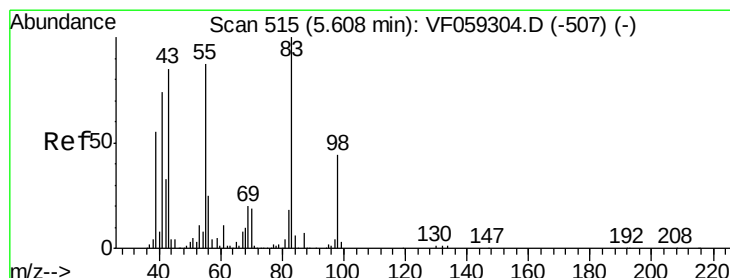
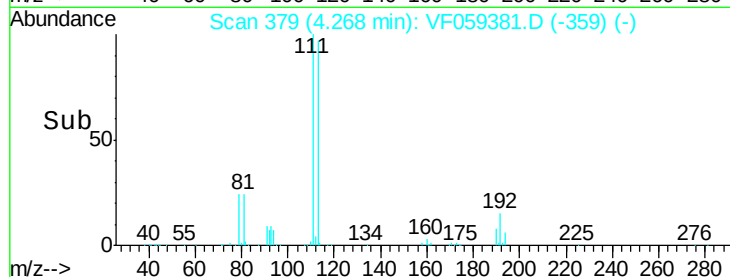
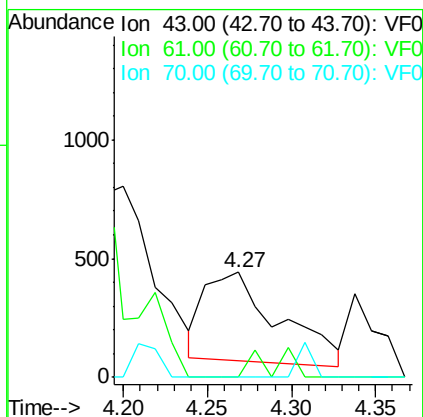
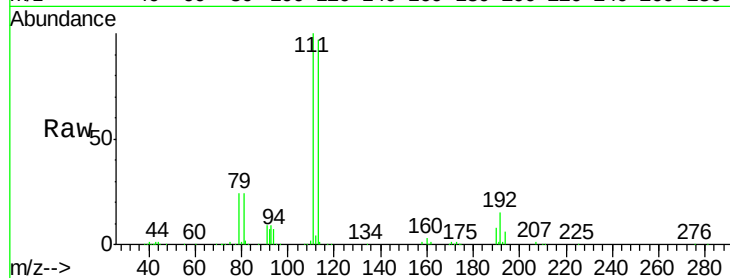




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

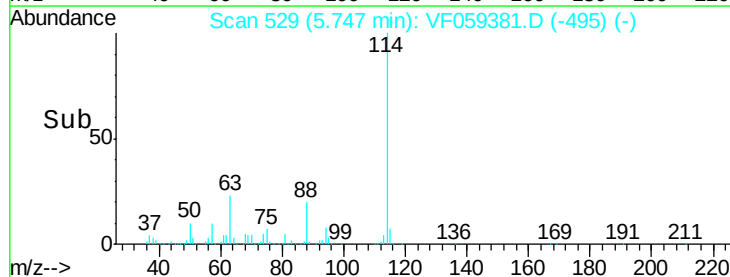
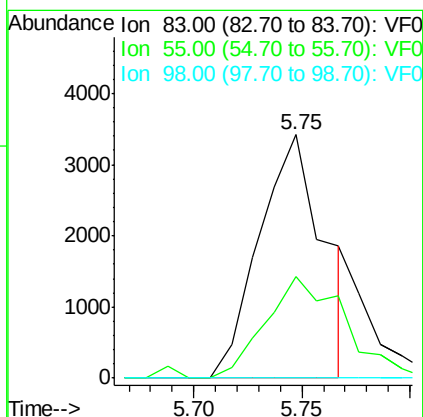
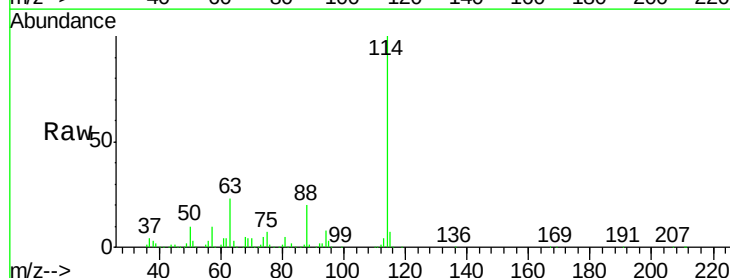
Instrument :
MSVOA_F
ClientSampleId :

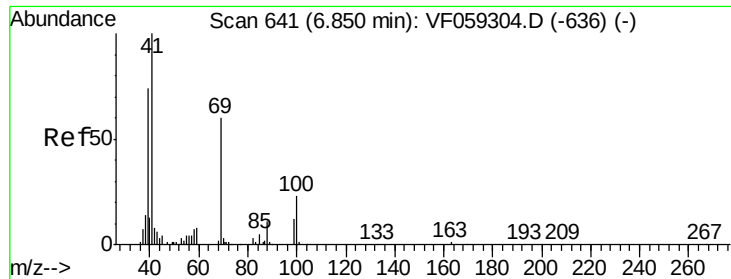
Tot Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 0.0 6.2 9.4#



#39
Methylcyclohexane
Concen: 1.527 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.14 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion: 83 Resp: 7152
Ion Ratio Lower Upper
83 100
55 42.0 69.2 103.8#
98 0.0 35.0 52.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.92 min Scan# 648

Delta R.T. 0.07 min

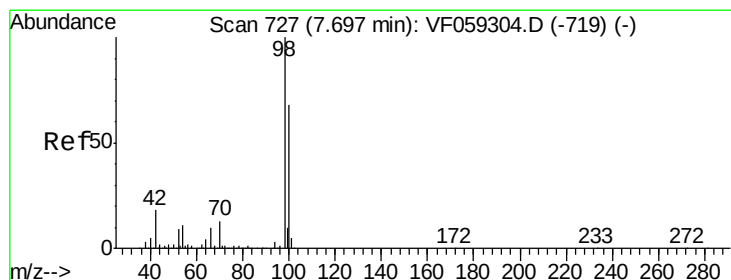
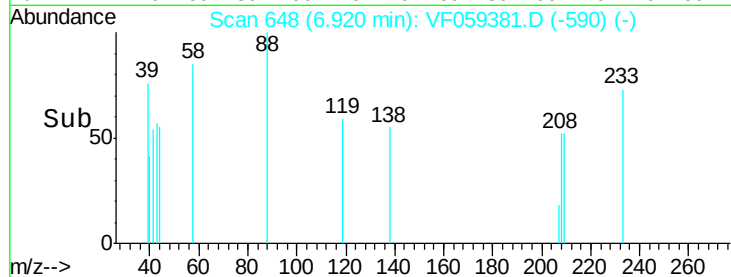
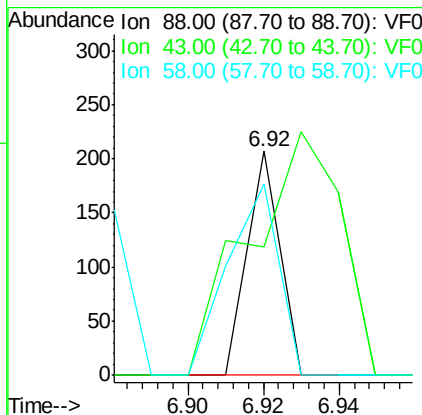
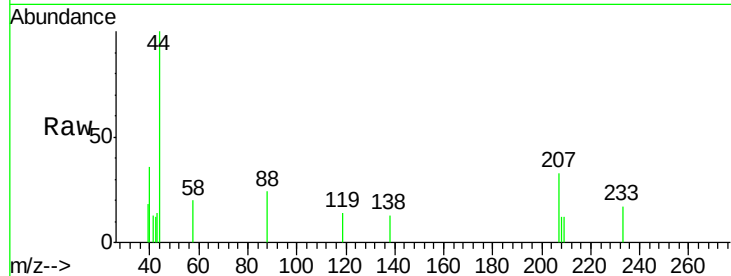
Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 122

Ion	Ratio	Lower	Upper
88	100		
43	57.5	50.6	75.8
58	85.0	46.6	69.8#



#50

Toluene-d8

Concen: 55.567 ug/l

RT: 7.70 min Scan# 727

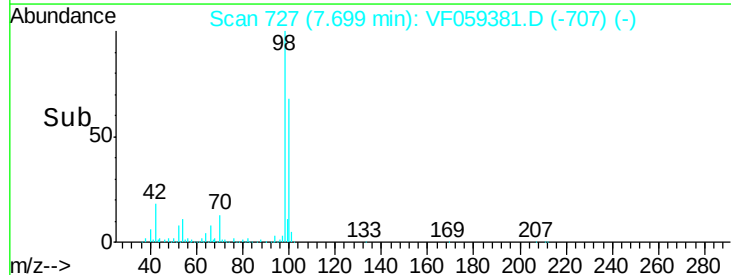
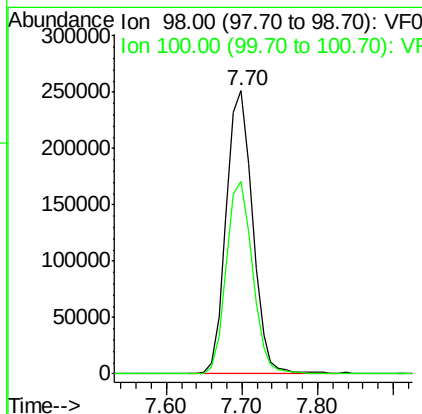
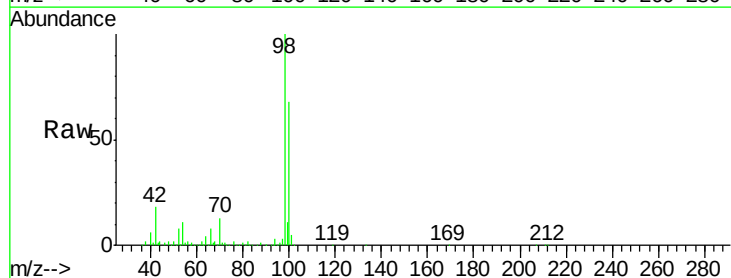
Delta R.T. 0.00 min

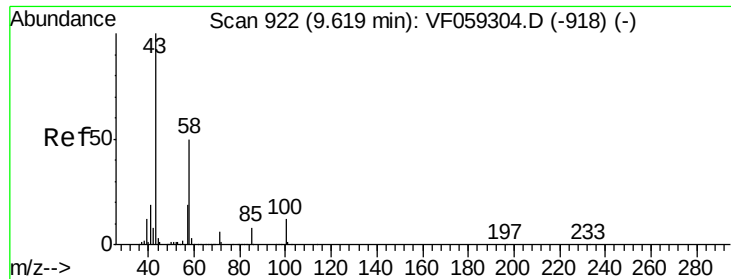
Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Tgt Ion: 98 Resp: 608332

Ion	Ratio	Lower	Upper
98	100		
100	67.8	54.6	82.0

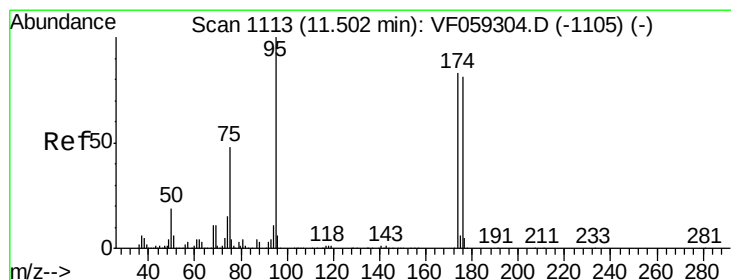
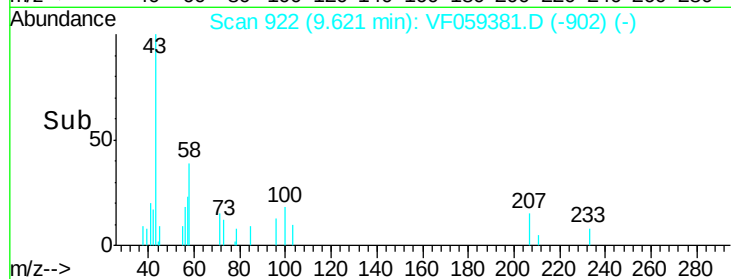
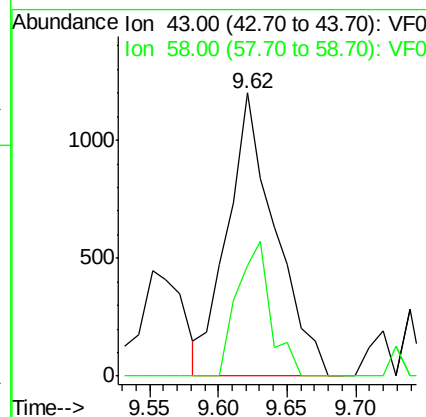
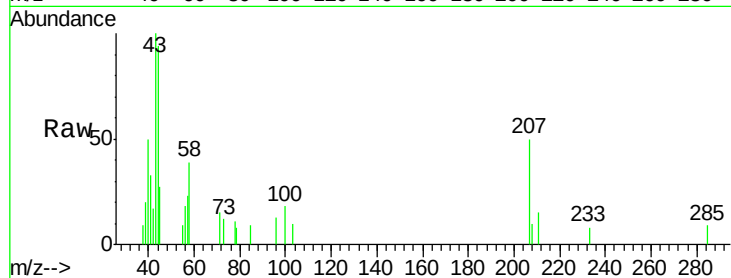




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

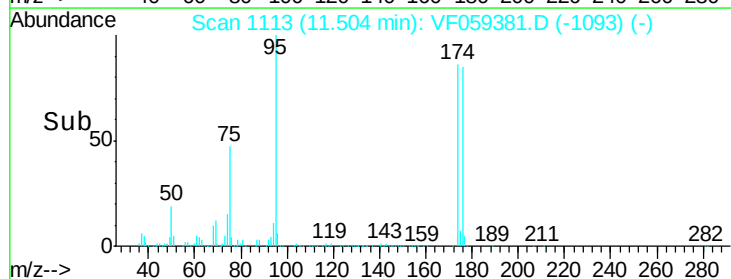
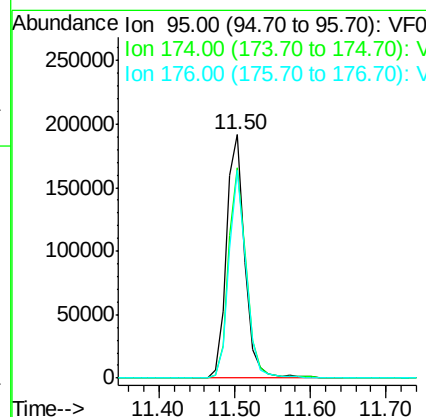
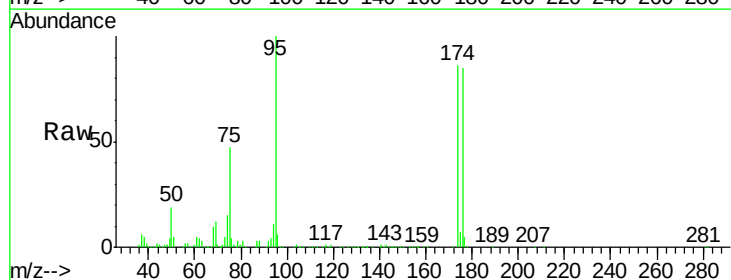
Instrument :
MSVOA_F
ClientSampled :

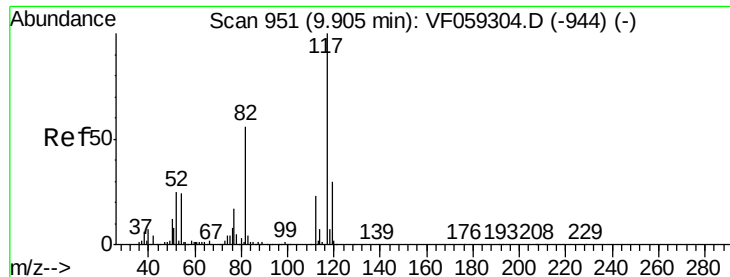
Tot Ion: 43 Resp: 2896
Ion Ratio Lower Upper
43 100
58 39.3 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 52.305 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion: 95 Resp: 323011
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.2
176 85.4 0.0 161.0

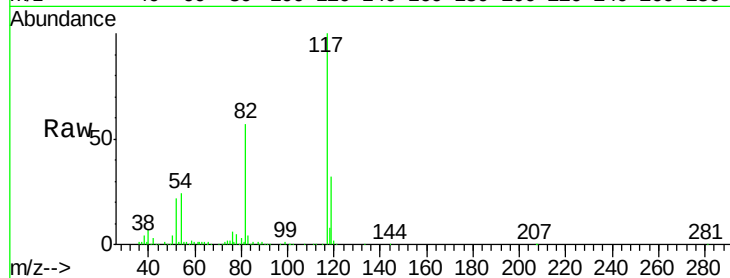




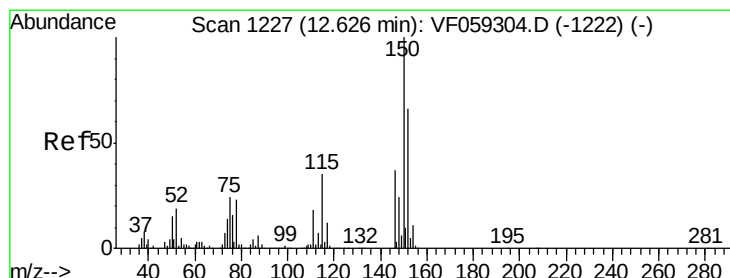
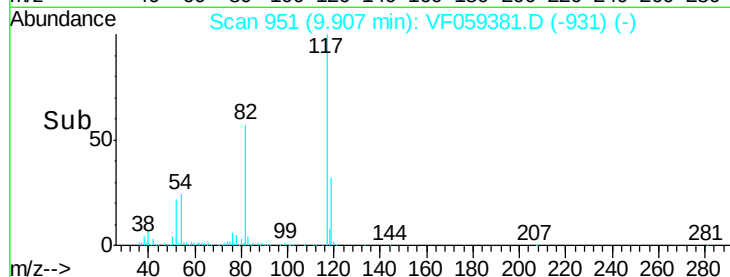
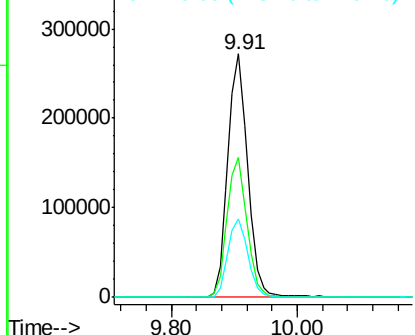
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	32.5	24.1	36.1

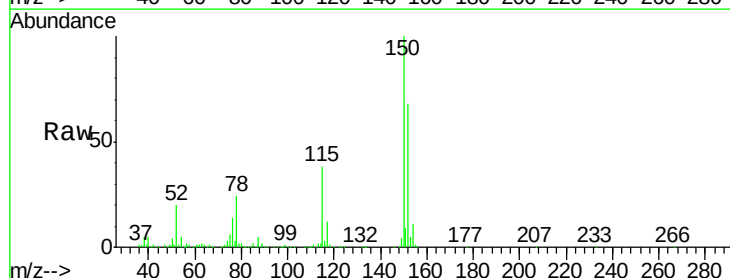


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

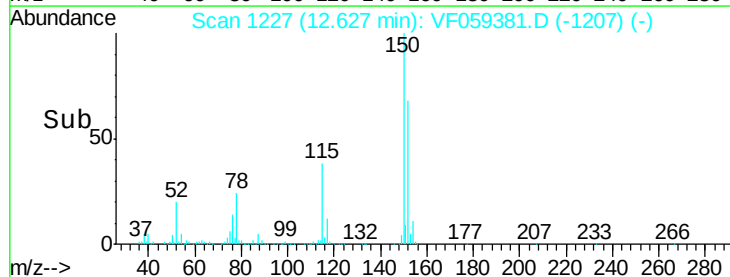
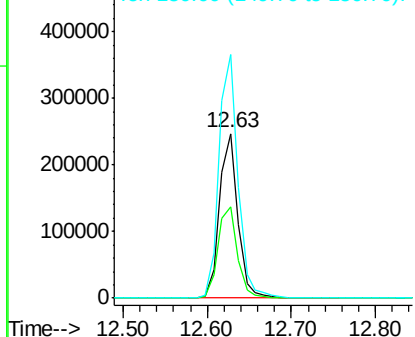


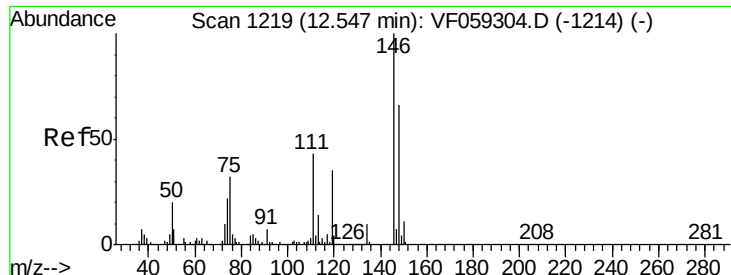
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.1	81.3
150	147.7	0.0	305.2



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





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

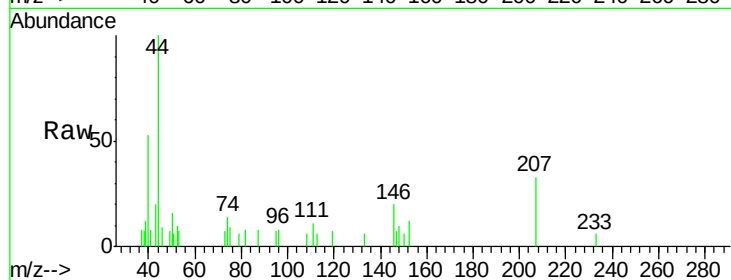
Tot Ion:146 Resp: 561

Ion Ratio Lower Upper

146 100

111 53.8 21.4 64.2

148 50.6 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

