

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059345.D
 Acq On : 27 Jun 2018 18:05
 Operator : VA/AP
 Sample : J3677-05
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 28 01:43:58 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	190996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	315253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	283518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	164841	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	123707	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	4.27	113	116550	50.60	ug/l	-0.01
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	7.70	98	245824	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	
62) 4-Bromofluorobenzene	11.50	95	133953	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	

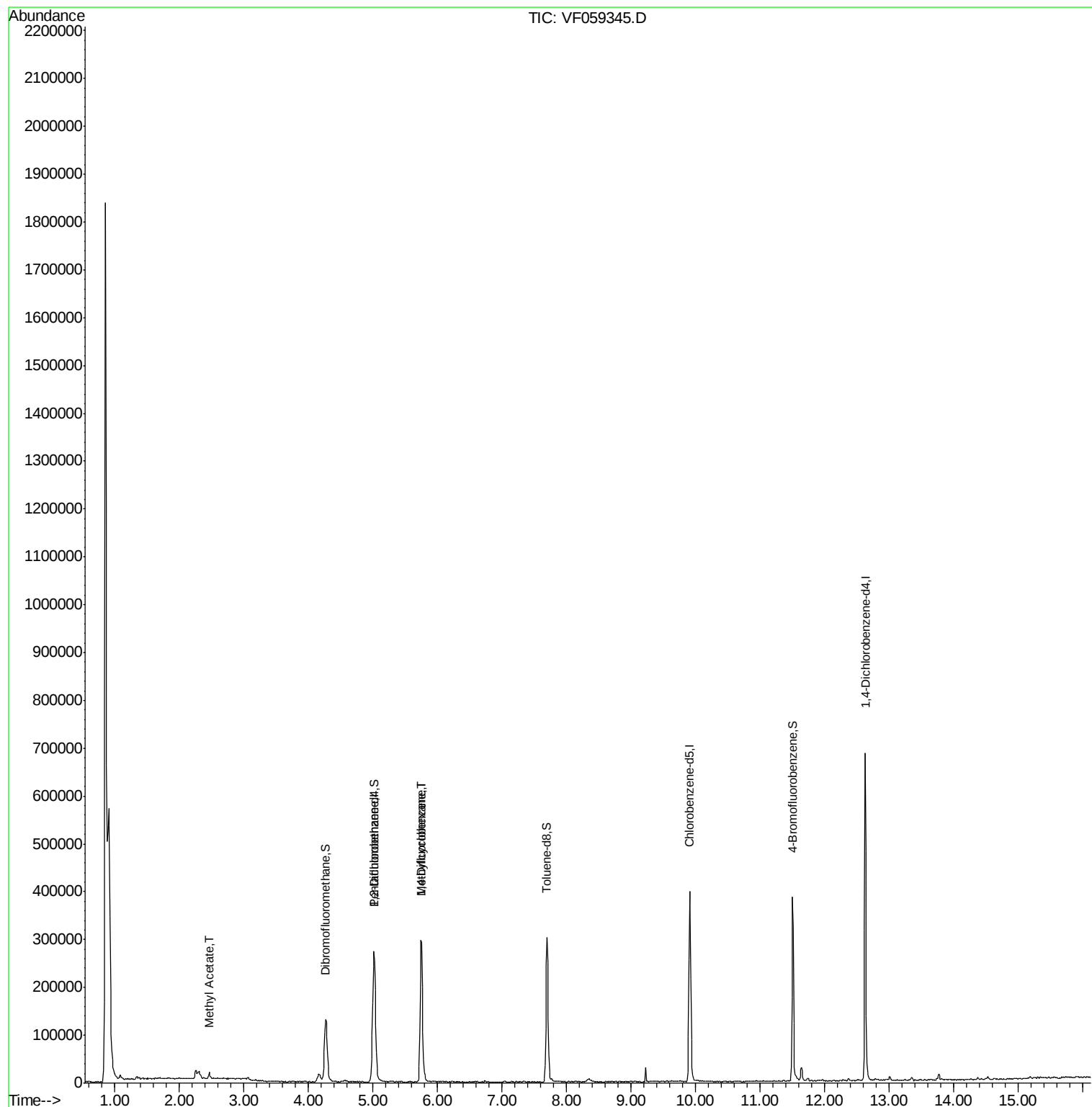
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.34	94	214	Below Cal	#	4
13) Acrolein	2.10	56	314	Below Cal		95
16) Acetone	2.19	43	478	Below Cal		99
18) Methyl Acetate	2.46	43	3903	2.396 ug/l	#	61
20) Methylene Chloride	2.26	84	8356	Below Cal	#	91
28) Bromochloromethane	3.92	49	65	Below Cal	#	6
29) Tetrahydrofuran	4.25	42	413	Below Cal	#	80
37) Ethyl Acetate	4.31	43	81	Below Cal	#	26
39) Methylcyclohexane	5.75	83	4394	1.800 ug/l	#	42
49) 1,4-Dioxane	7.13	88	82	Below Cal	#	20
59) 2-Hexanone	9.63	43	1909	Below Cal		90
87) 1,3-Dichlorobenzene	12.56	146	167	Below Cal	#	23

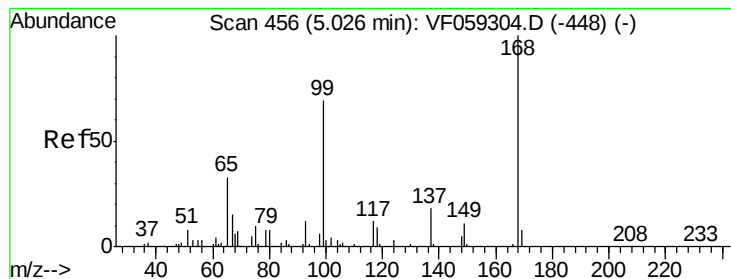
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
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QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_F

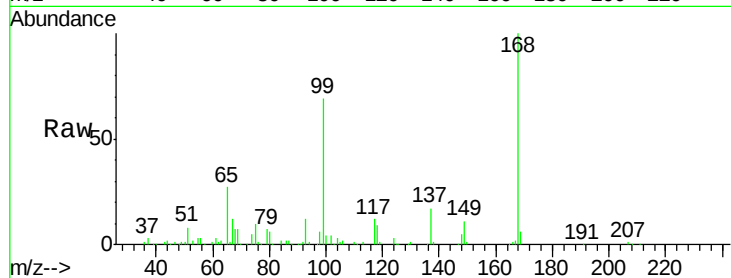
ClientSampled :

Tot Ion:168 Resp: 190996

Ion Ratio Lower Upper

168 100

99 68.5 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

60000

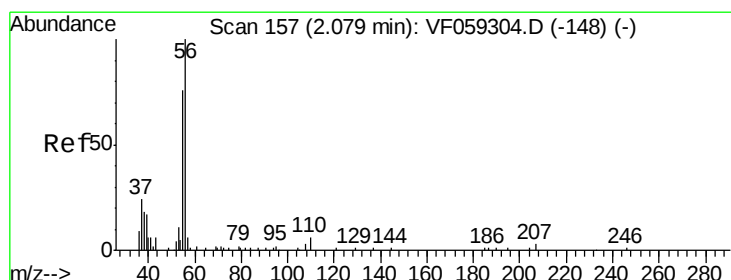
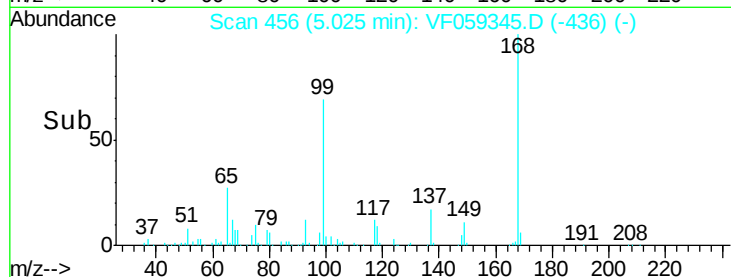
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#13

Acrolein

Concen: Below Cal

RT: 2.10 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF059345.D

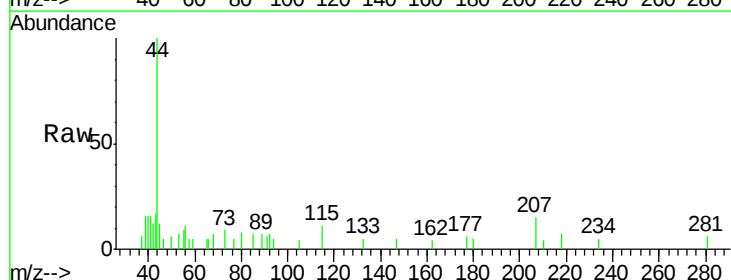
Acq: 27 Jun 2018 18:05

Tgt Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 82.1 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

500

400

300

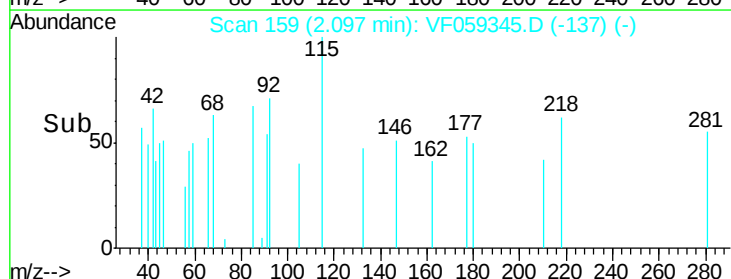
200

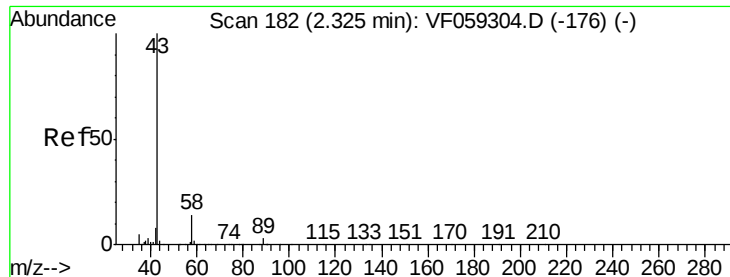
100

0

Time-->

2.08 2.10 2.12 2.14

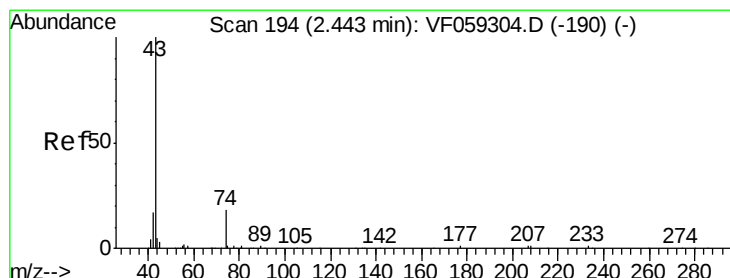
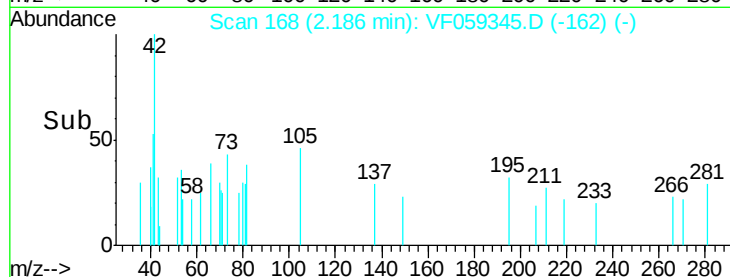
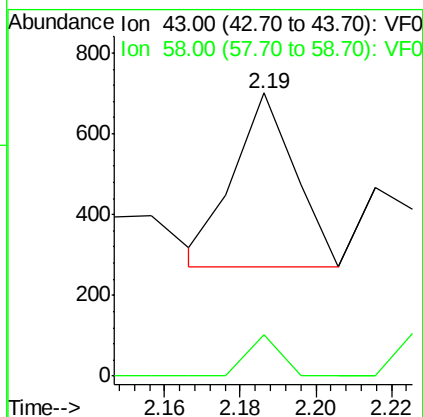
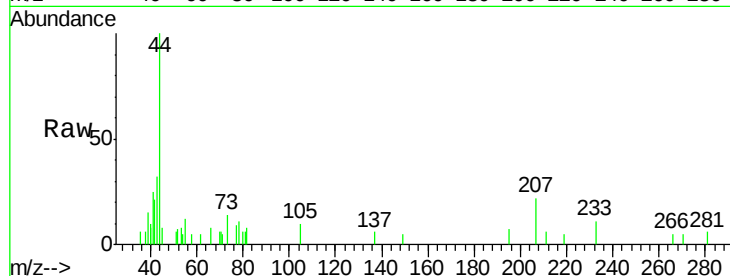




#16
Acetone
Concen: Below Cal
RT: 2.19 min Scan# 168
Delta R.T. -0.14 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

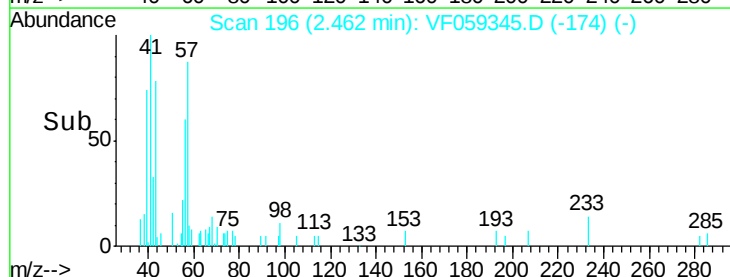
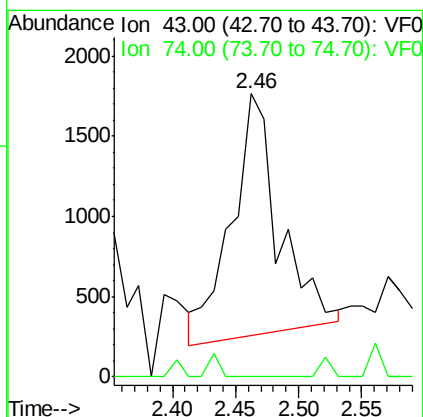
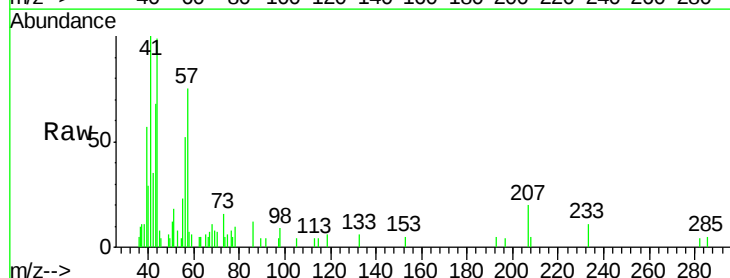
Instrument :
MSVOA_F
ClientSampleId :

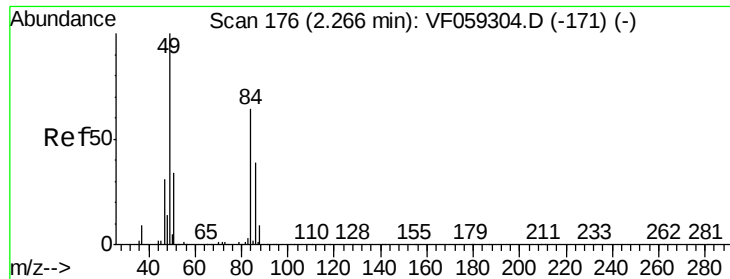
Tot Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
58 14.7 11.4 17.0



#18
Methyl Acetate
Concen: 2.396 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

Tgt Ion: 43 Resp: 3903
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



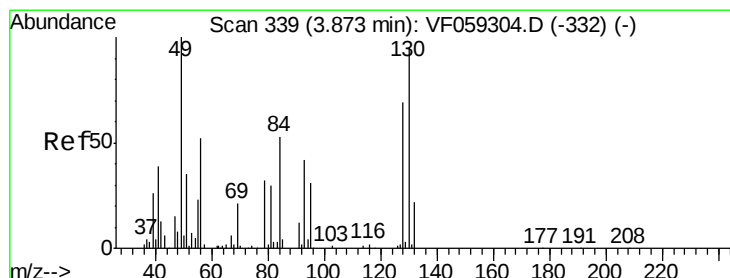
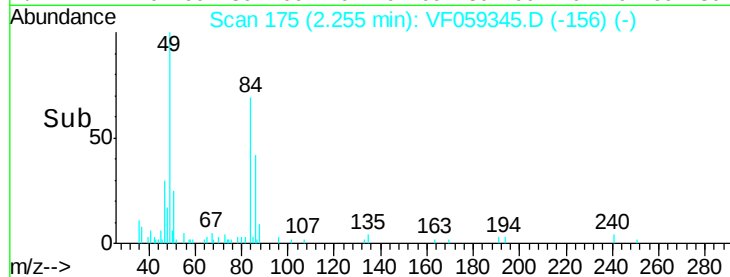
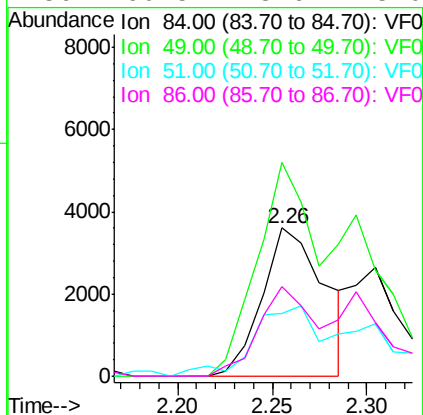
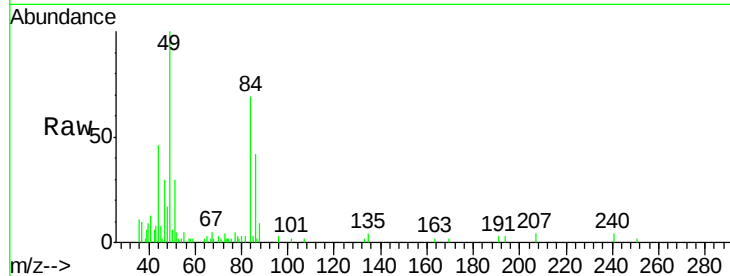


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.26 min Scan# 175
 Delta R.T. -0.01 min
 Lab File: VF059345.D
 Acq: 27 Jun 2018 18:05

Instrument :
 MSVOA_F
 ClientSampled :

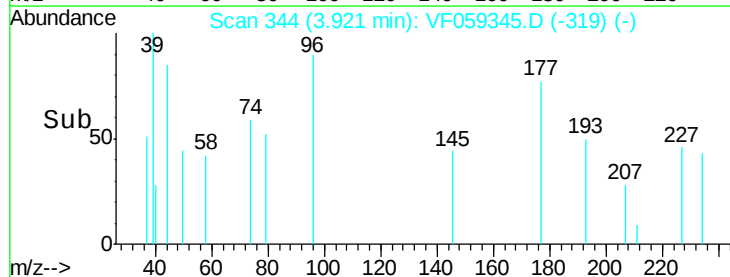
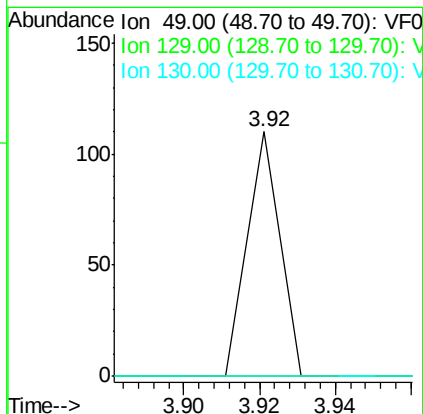
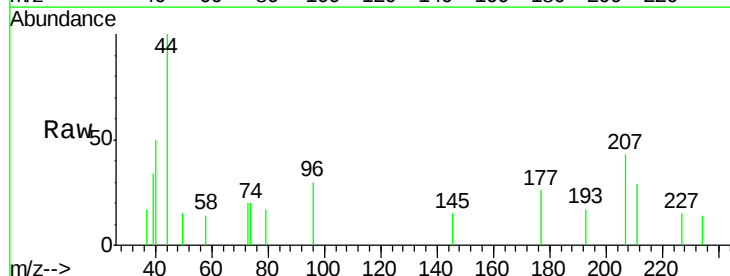
Tot Ion:	84	Resp:	8356
Ion	Ratio	Lower	Upper
84	100		
49	144.1	126.5	189.7
51	42.6	42.9	64.3#
86	60.5	48.6	73.0

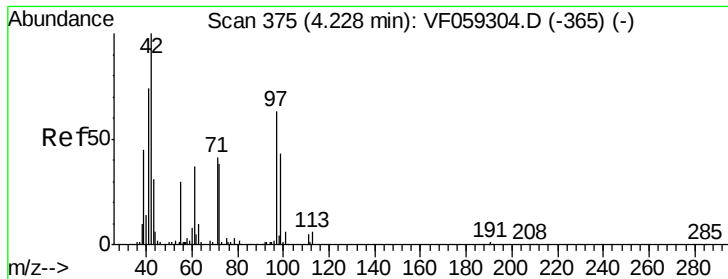


#28

Bromochloromethane
 Concen: Below Cal
 RT: 3.92 min Scan# 344
 Delta R.T. 0.05 min
 Lab File: VF059345.D
 Acq: 27 Jun 2018 18:05

Tgt Ion:	49	Resp:	65
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: 4.25 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF059345.D

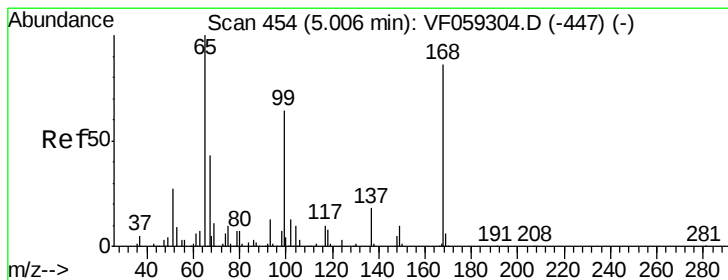
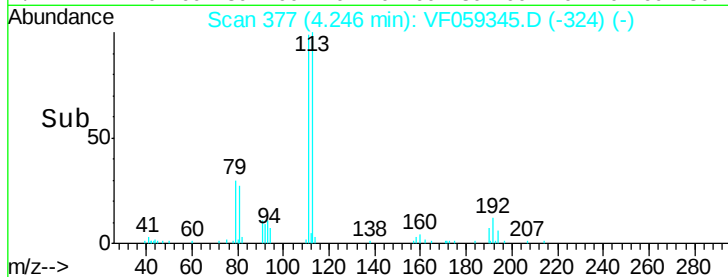
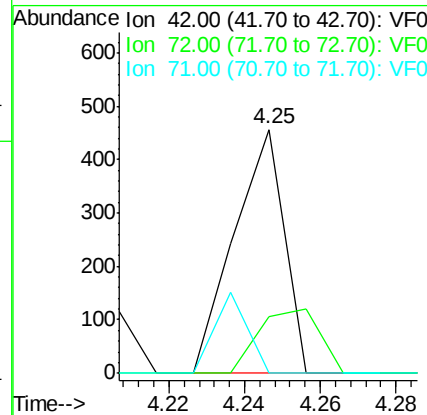
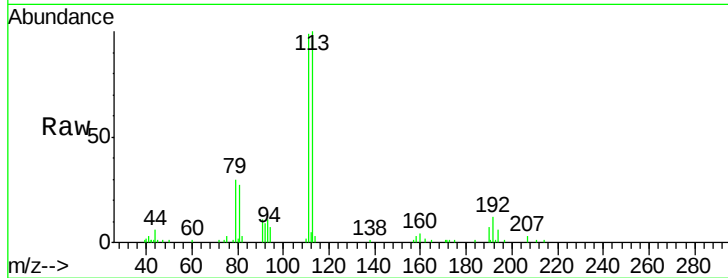
Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	42	Resp:	413
Ion	Ratio	Lower	Upper
42	100		
72	32.4	30.5	45.7
71	21.5	32.5	48.7#



#33

1,2-Dichloroethane-d4

Concen: 50.132 ug/l

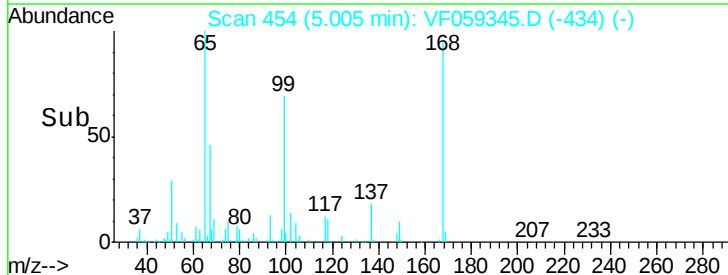
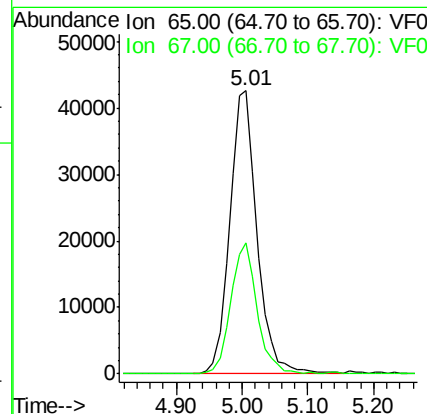
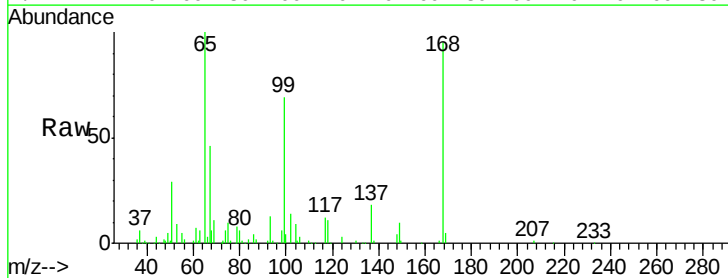
RT: 5.01 min Scan# 454

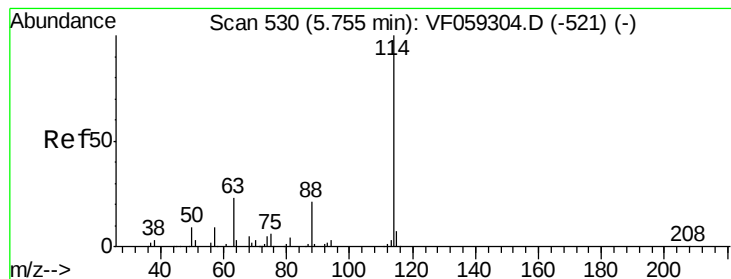
Delta R.T. -0.00 min

Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Tgt Ion:	65	Resp:	123707
Ion	Ratio	Lower	Upper
65	100		
67	46.2	0.0	96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

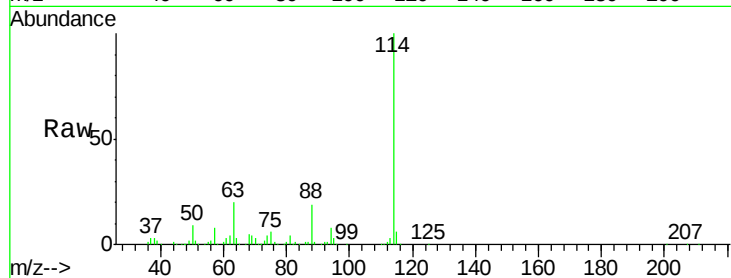
Tot Ion:114 Resp: 315253

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.8

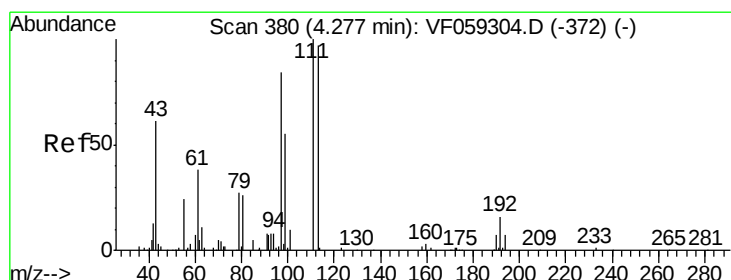
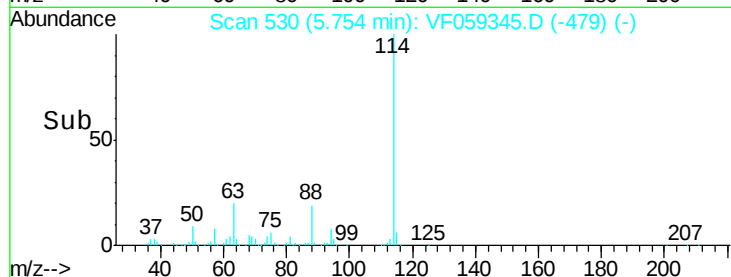
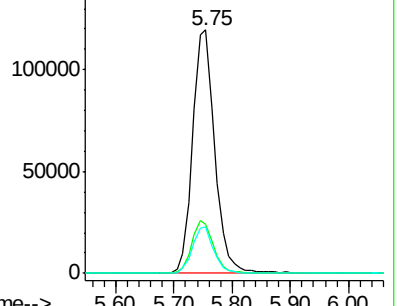
88 18.9 0.0 41.2



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: 50.598 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

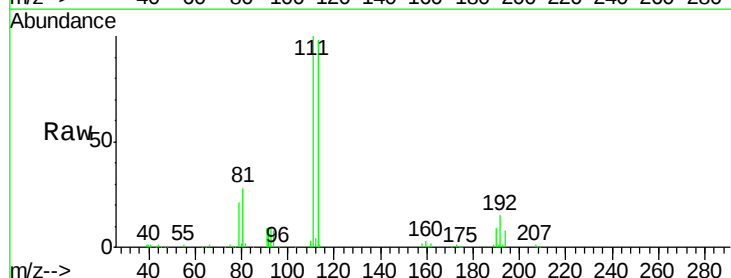
Tgt Ion:113 Resp: 116550

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

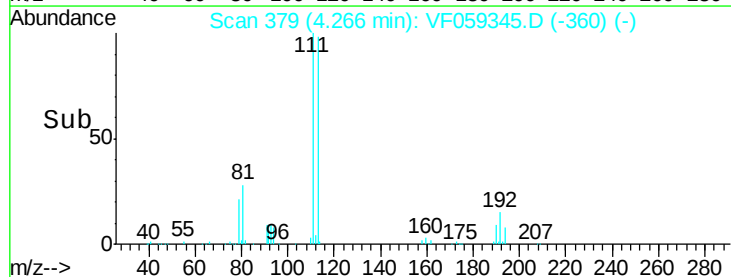
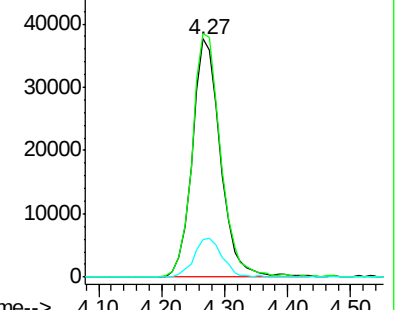
192 15.7 13.0 19.6

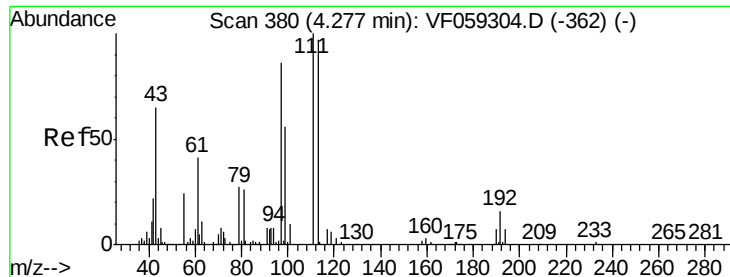


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

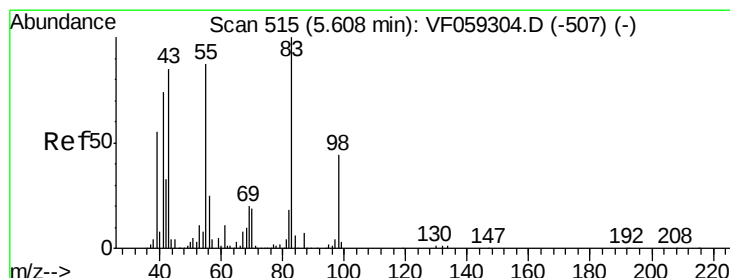
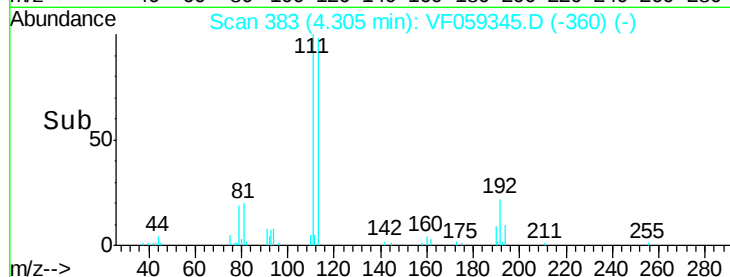
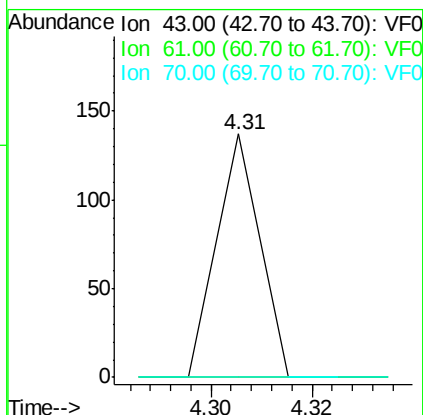
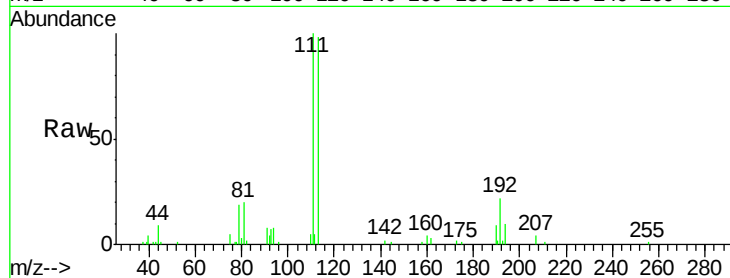




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

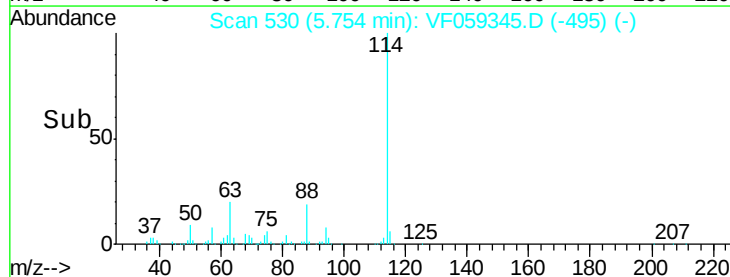
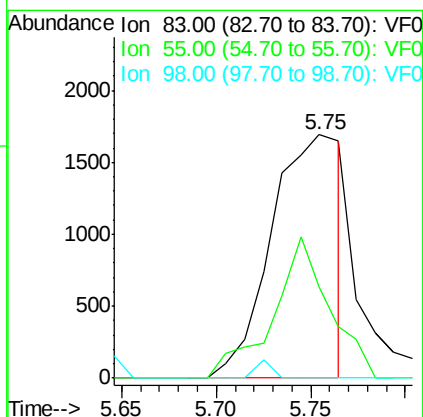
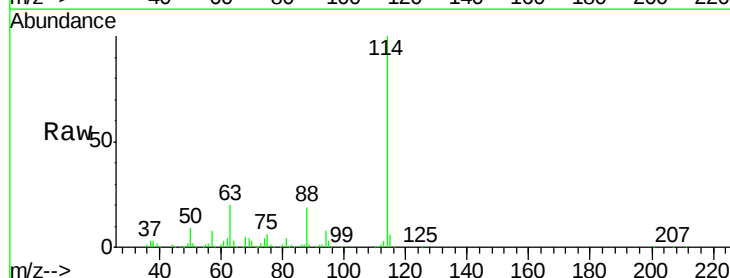
Instrument :
MSVOA_F
ClientSampleId :

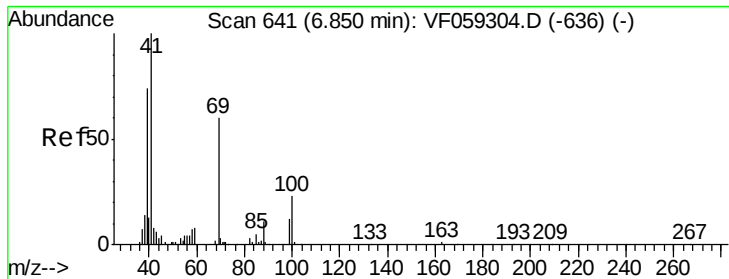
Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61		0.0			50.1	75.1#
70			0.0		6.2	9.4#



#39
Methylcyclohexane
Concen: 1.800 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.15 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

Tgt Ion	83	55	98	Ratio	Lower	Upper
83	100					
55		37.7			69.2	103.8#
98			0.0		35.0	52.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.13 min Scan# 670

Delta R.T. 0.29 min

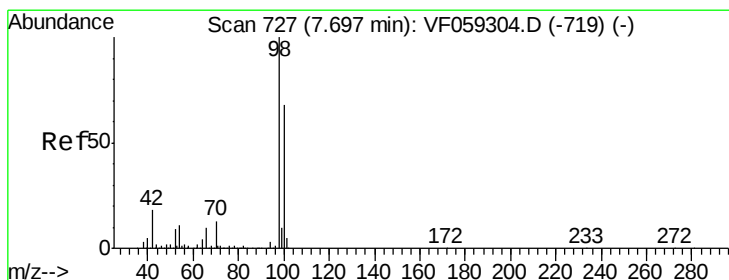
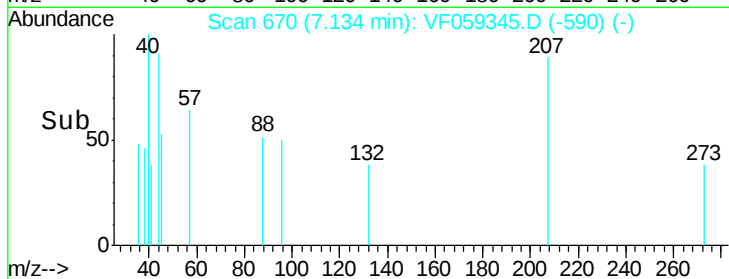
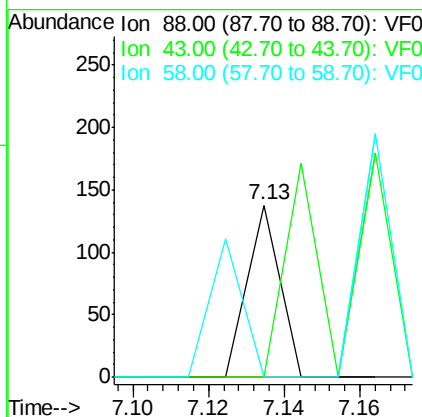
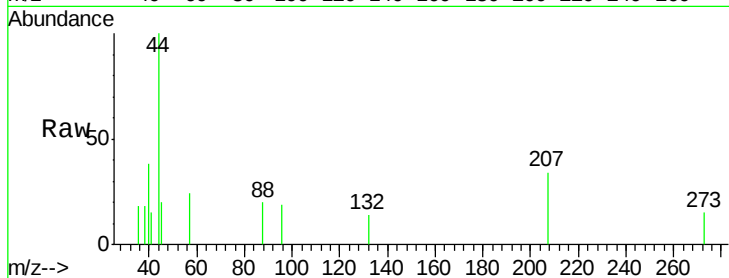
Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 82

Ion	Ratio	Lower	Upper
88	100		
43	0.0	50.6	75.8#
58	0.0	46.6	69.8#



#50

Toluene-d8

Concen: 43.103 ug/l

RT: 7.70 min Scan# 727

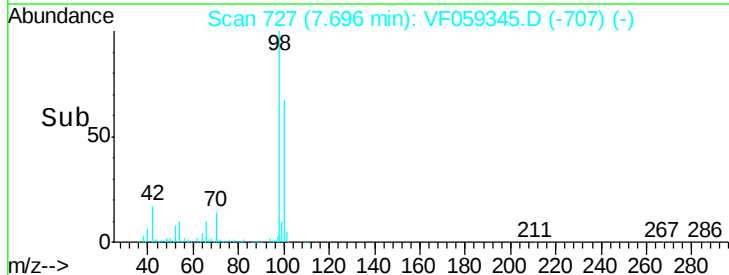
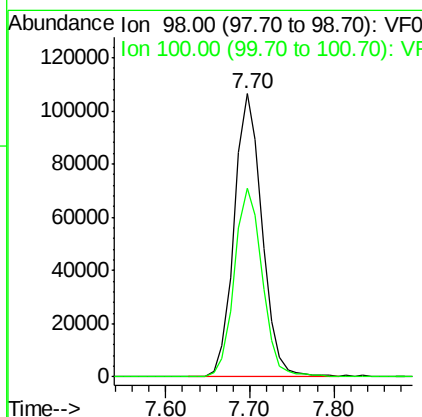
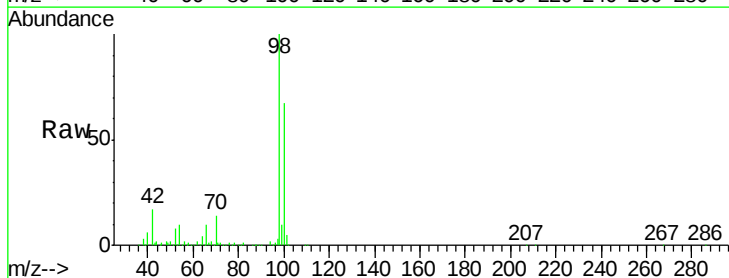
Delta R.T. -0.00 min

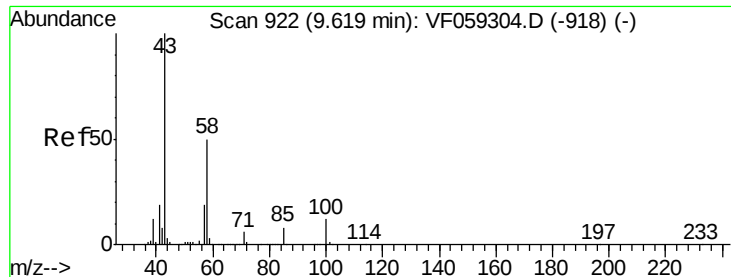
Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Tgt Ion: 98 Resp: 245824

Ion	Ratio	Lower	Upper
98	100		
100	66.5	54.6	82.0

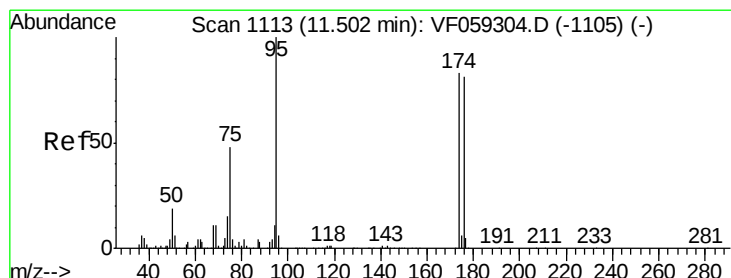
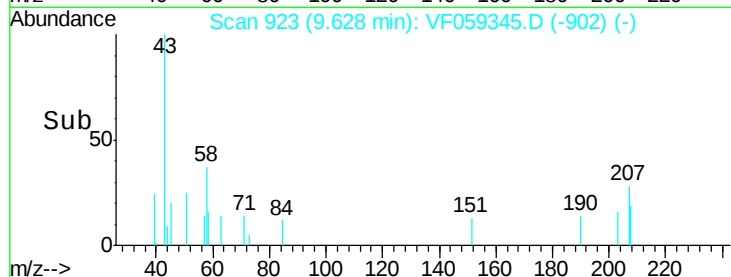
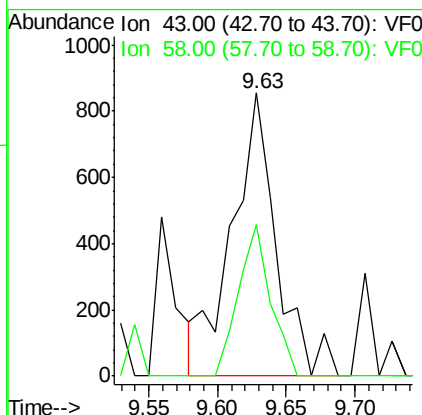
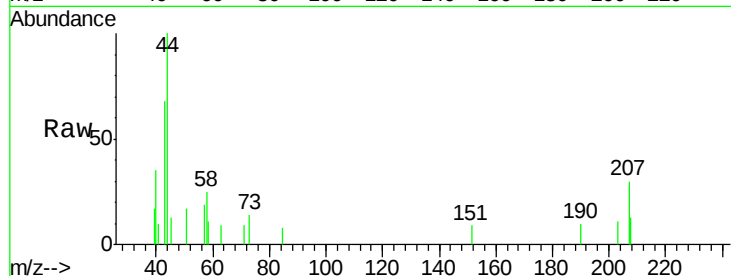




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

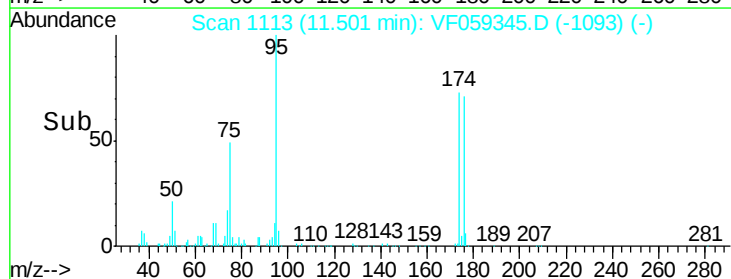
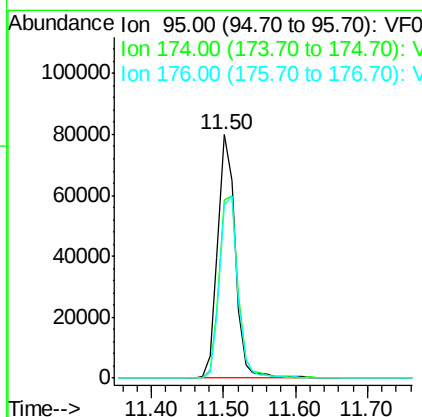
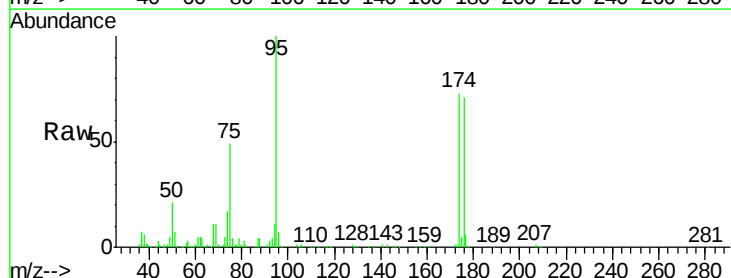
Instrument :
MSVOA_F
ClientSampleId :

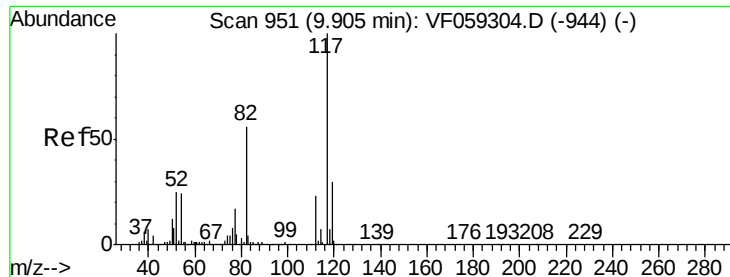
Tot Ion: 43 Resp: 1909
Ion Ratio Lower Upper
43 100
58 53.6 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 41.638 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

Tgt Ion: 95 Resp: 133953
Ion Ratio Lower Upper
95 100
174 73.1 0.0 165.2
176 70.9 0.0 161.0

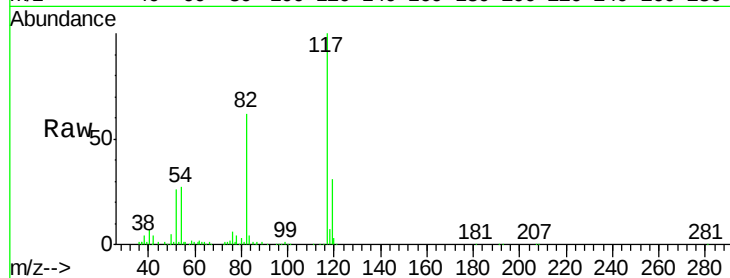




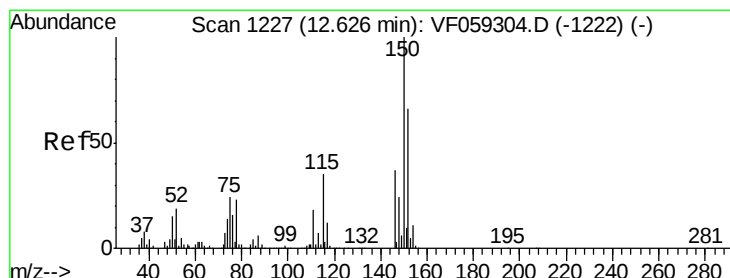
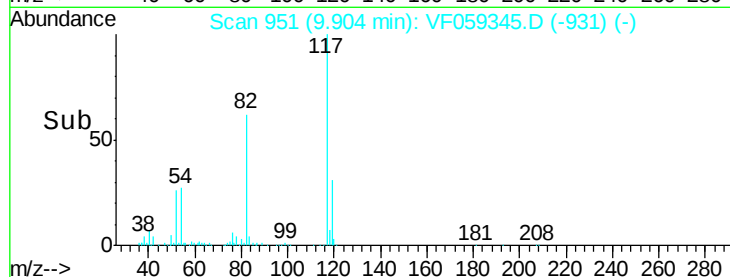
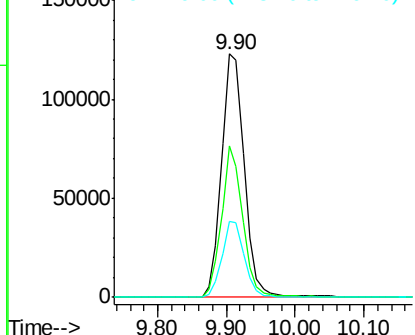
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	44.6	66.8
119	31.4	24.1	36.1

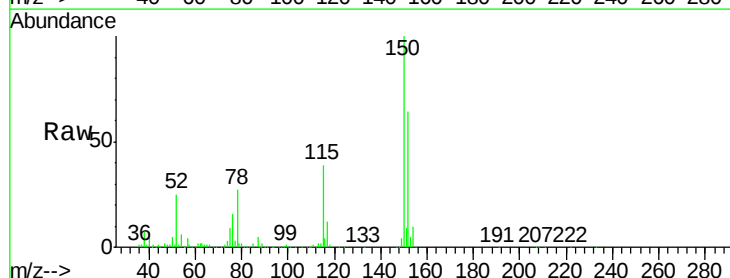


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

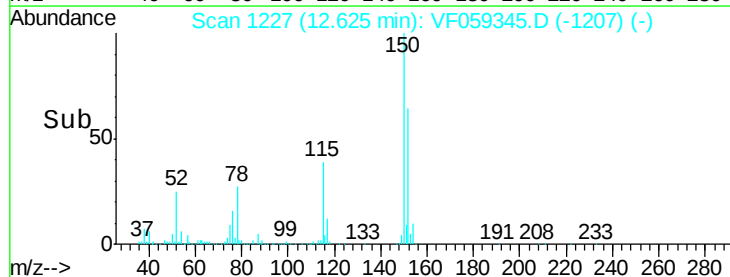
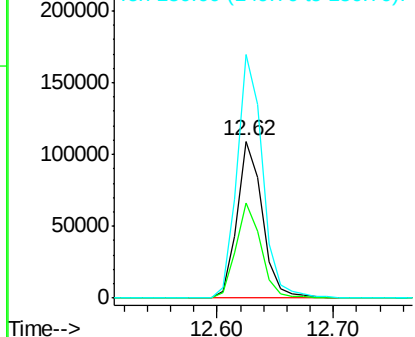


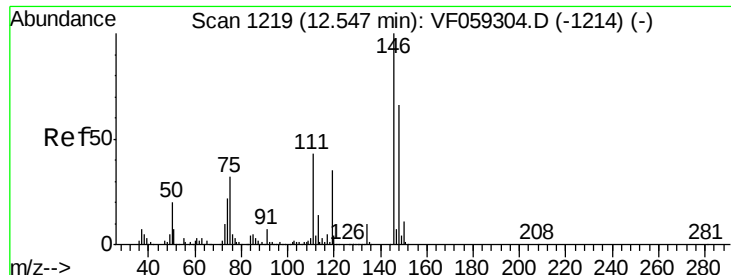
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059345.D
Acq: 27 Jun 2018 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	27.1	81.3
150	155.5	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: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059345.D

Acq: 27 Jun 2018 18:05

Instrument :

MSVOA_F

ClientSampleId :

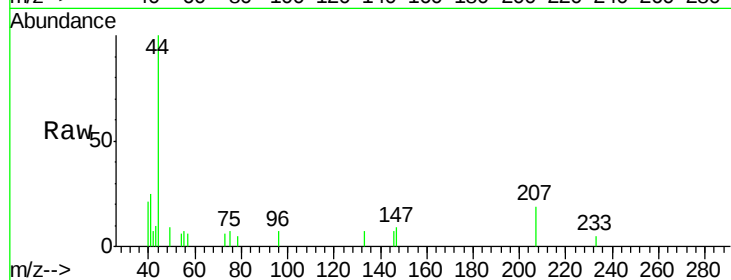
Tot Ion:146 Resp: 167

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 0.0 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

