

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059369.D
 Acq On : 28 Jun 2018 19:15
 Operator : VA/AP
 Sample : J3715-07
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-CURB-CON

Quant Time: Jun 29 03:12:22 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	5.04	168	274196	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	428153	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	400514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	247218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	145255	41.00	ug/l	0.02
Spiked Amount				50.000		
Recovery					= 82.00%	
35) Dibromofluoromethane	4.29	113	135286	43.24	ug/l	0.02
Spiked Amount				50.000		
Recovery					= 86.48%	
50) Toluene-d8	7.71	98	309011	39.90	ug/l	0.00
Spiked Amount				50.000		
Recovery					= 79.80%	
62) 4-Bromofluorobenzene	11.51	95	188495	43.14	ug/l	0.00
Spiked Amount				50.000		
Recovery					= 86.28%	

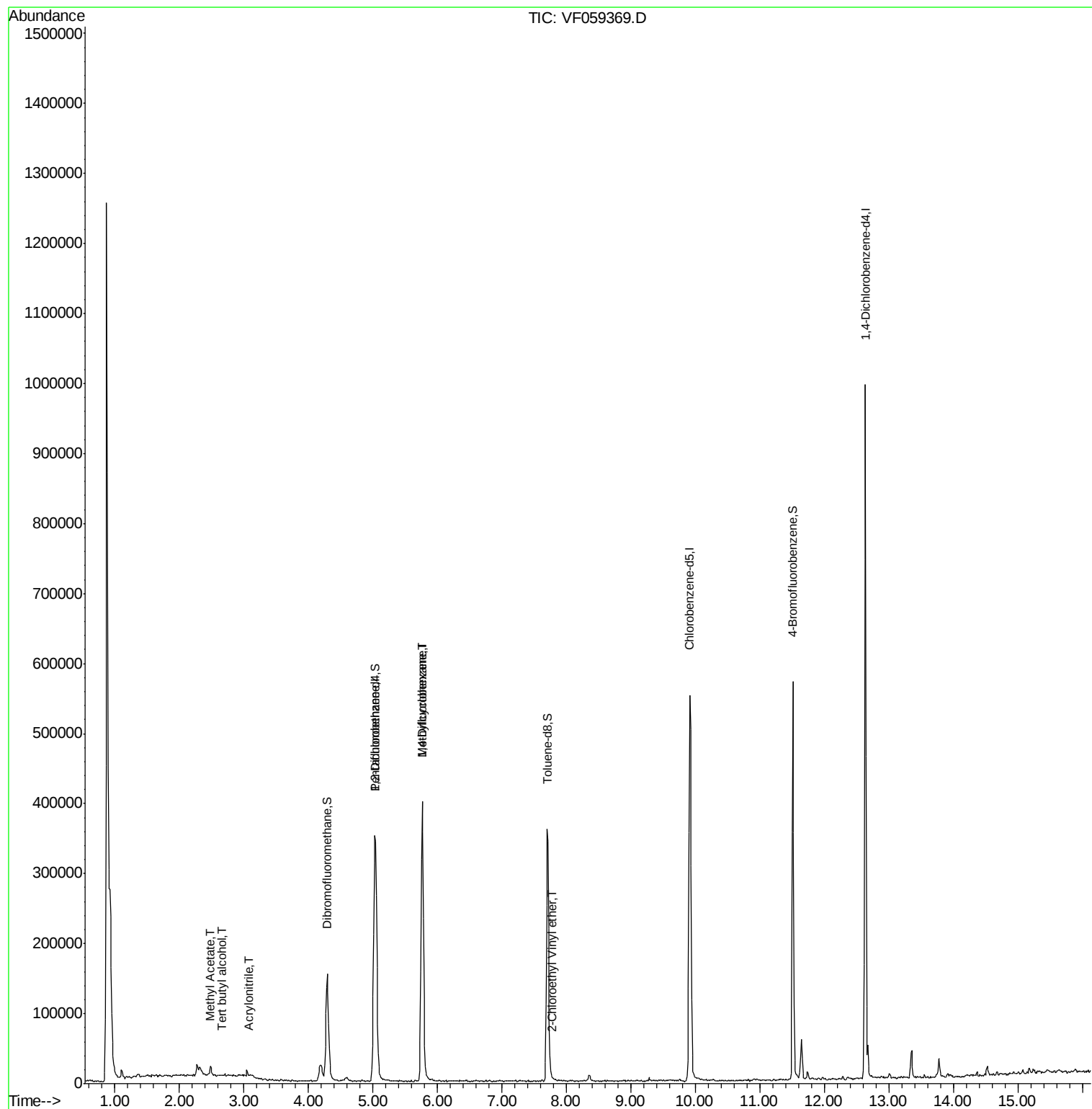
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.36	94	561	Below Cal	#	4
11) Tert butyl alcohol	2.67	59	356	1.509	ug/l #	29
13) Acrolein	2.12	56	571	Below Cal		84
15) Acrylonitrile	3.07	53	503	1.211	ug/l #	60
16) Acetone	2.33	43	2520	Below Cal	#	90
18) Methyl Acetate	2.48	43	6073	2.697	ug/l #	73
20) Methylene Chloride	2.27	84	7017	Below Cal	#	87
25) 2-Butanone	4.54	43	684	Below Cal	#	35
28) Bromochloromethane	3.74	49	72	Below Cal	#	6
29) Tetrahydrofuran	4.25	42	194	Below Cal	#	36
37) Ethyl Acetate	4.31	43	496	Below Cal	#	26
39) Methylcyclohexane	5.76	83	4446	1.341	ug/l #	38
49) 1,4-Dioxane	6.88	88	81	Below Cal	#	20
58) 2-Chloroethyl Vinyl ether	7.78	63	266	1.188	ug/l	100
59) 2-Hexanone	9.65	43	518	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.55	146	289	Below Cal	#	70

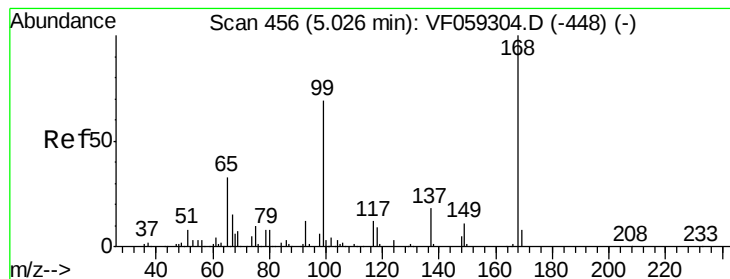
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

Instrument :

MSVOA_F

ClientSampleId :

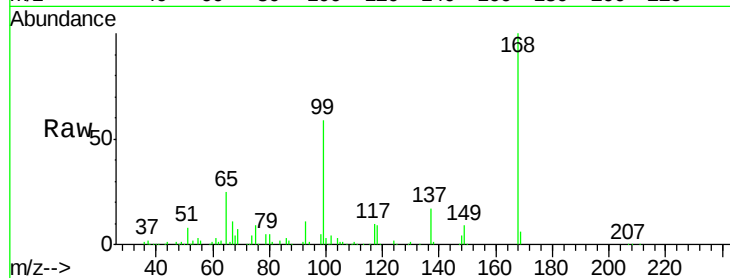
SS-CURB-CON

Tot Ion:168 Resp: 274196

Ion Ratio Lower Upper

168 100

99 58.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

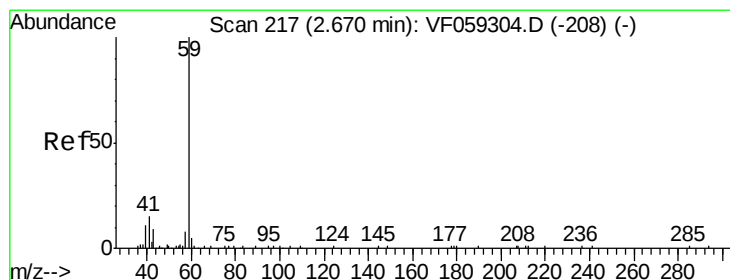
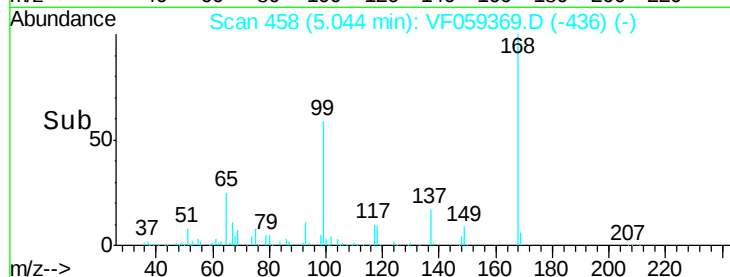
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.509 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.00 min

Lab File: VF059369.D

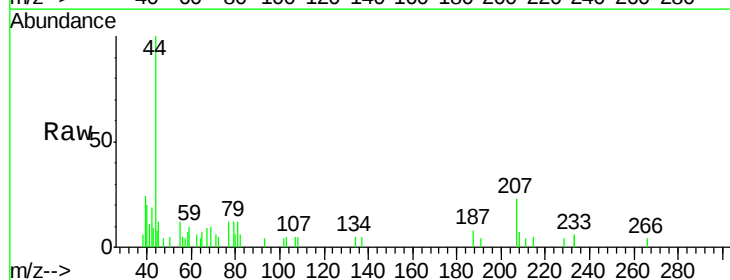
Acq: 28 Jun 2018 19:15

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

59 100

57 42.3 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

300

250

200

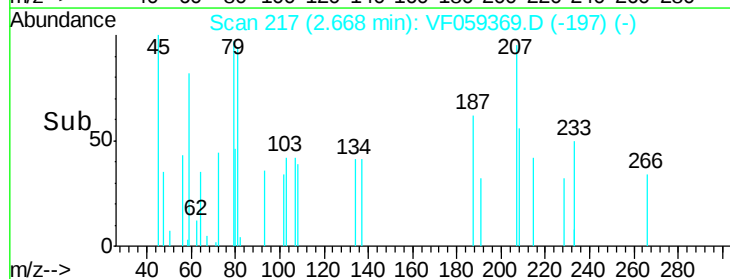
150

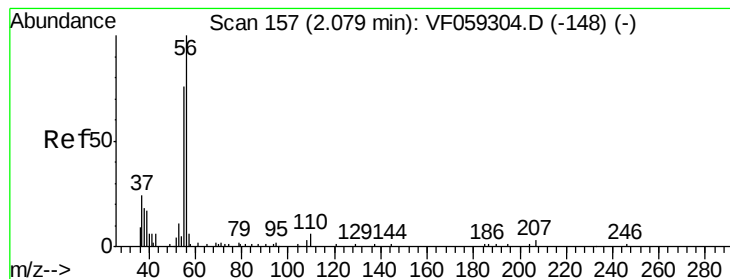
100

50

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.12 min Scan# 161

Delta R.T. 0.04 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

Instrument :

MSVOA_F

ClientSampleId :

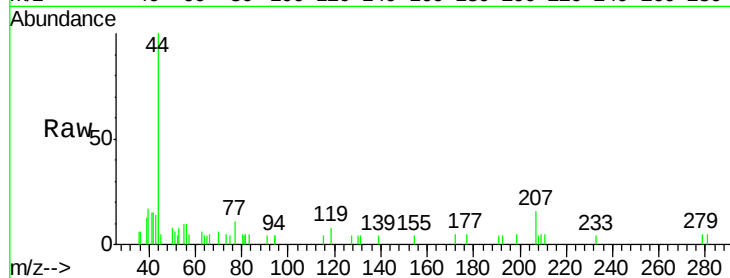
SS-CURB-CON

Tot Ion: 56 Resp: 571

Ion Ratio Lower Upper

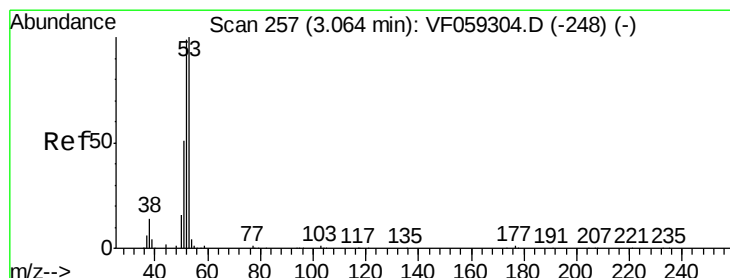
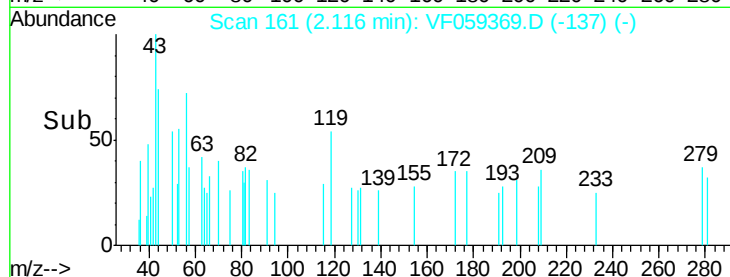
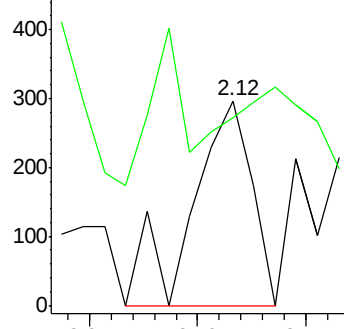
56 100

55 91.6 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.211 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

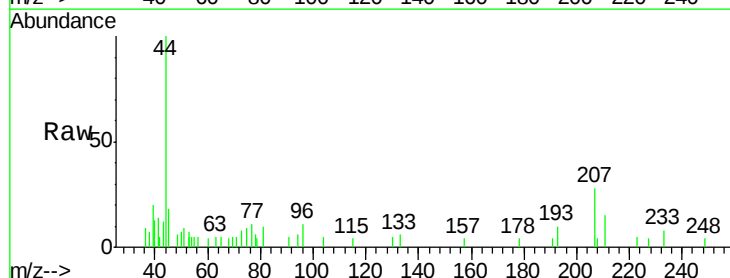
Tgt Ion: 53 Resp: 503

Ion Ratio Lower Upper

53 100

52 55.3 79.2 118.8#

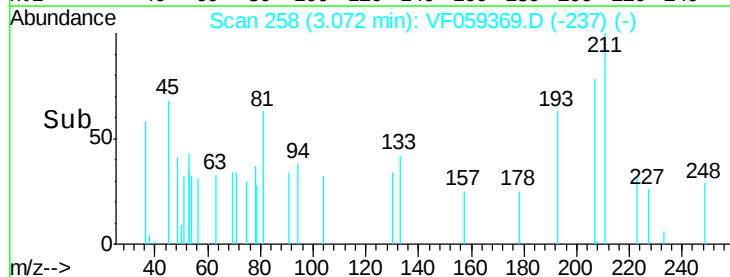
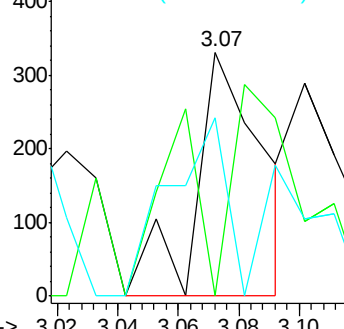
51 73.1 40.9 61.3#

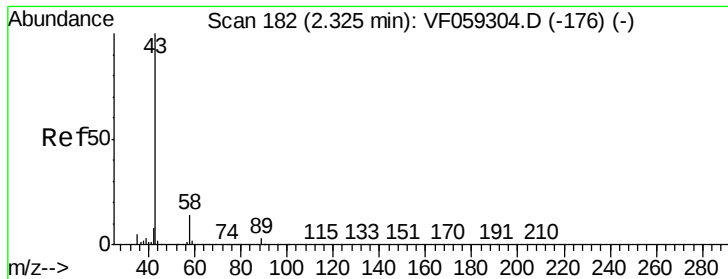


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

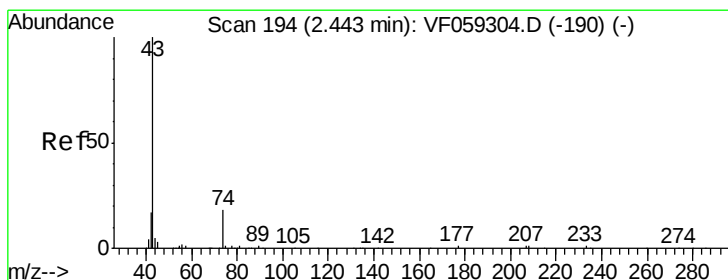
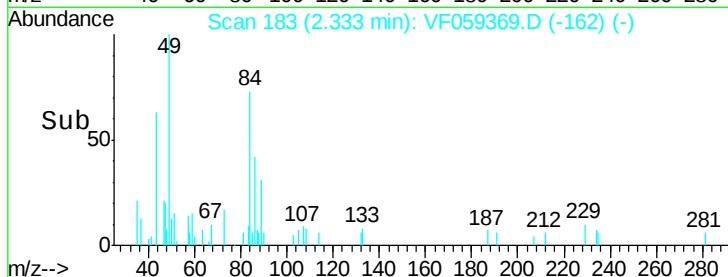
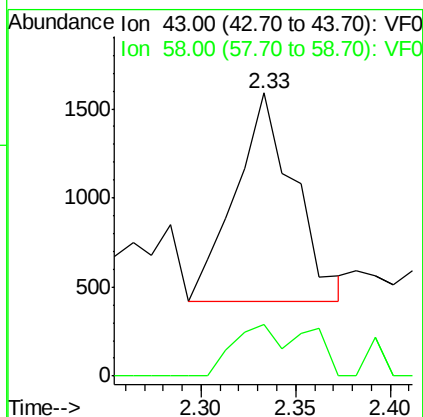
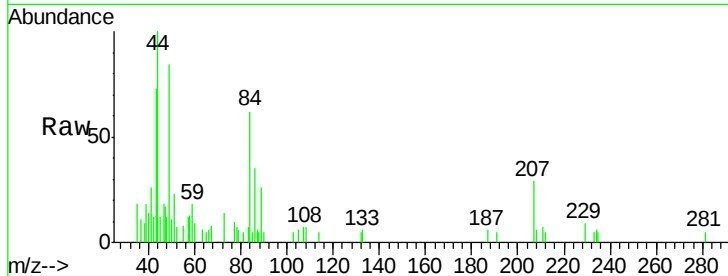




#16
Acetone
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

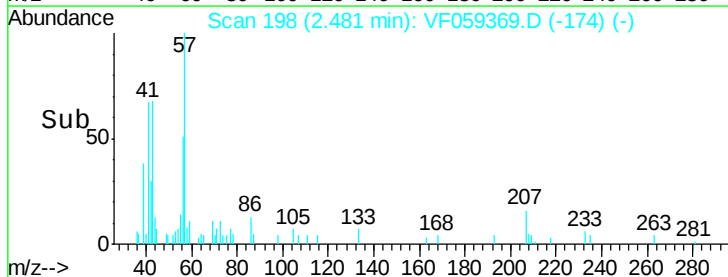
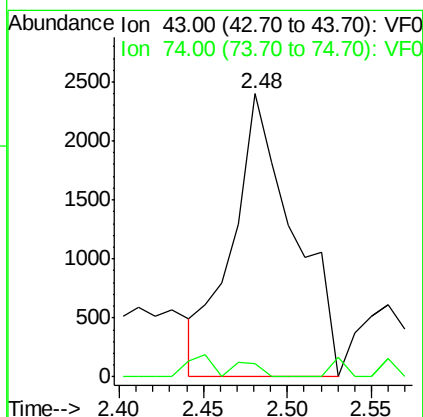
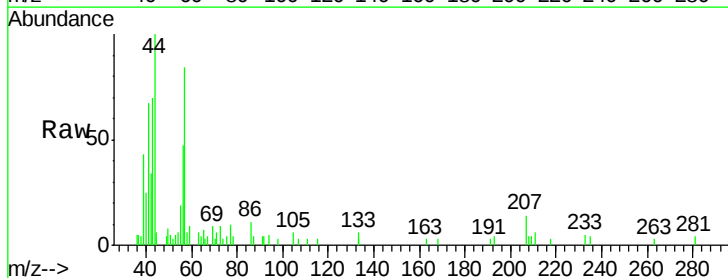
Instrument :
MSVOA_F
ClientSampleId :
SS-CURB-CON

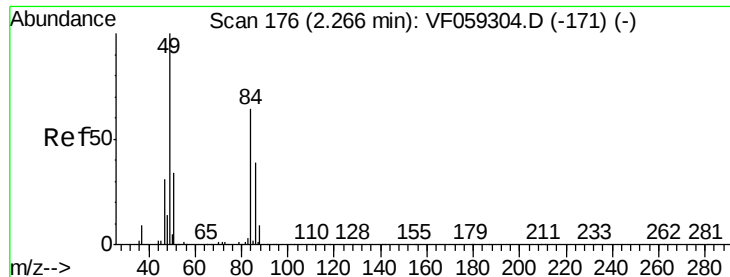
Tot Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 18.4 11.4 17.0#



#18
Methyl Acetate
Concen: 2.697 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

Tgt Ion: 43 Resp: 6073
Ion Ratio Lower Upper
43 100
74 4.9 13.3 19.9#



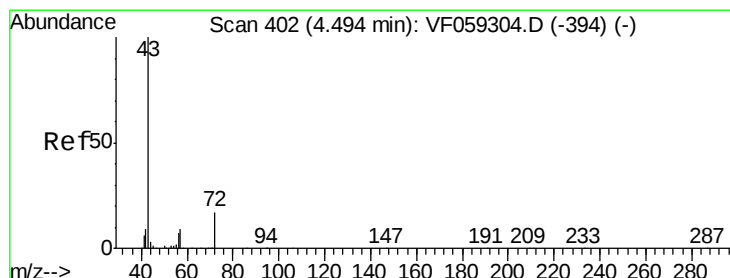
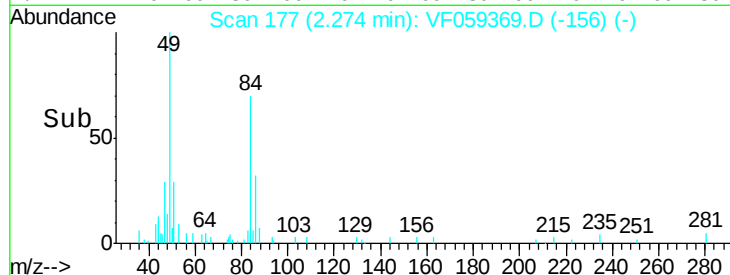
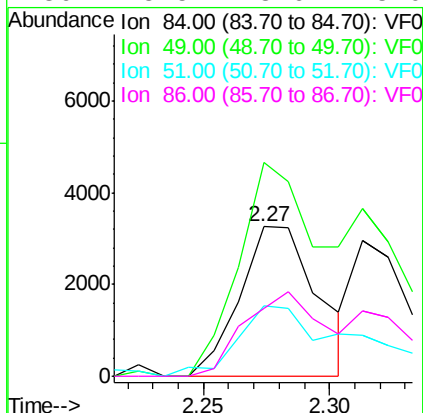
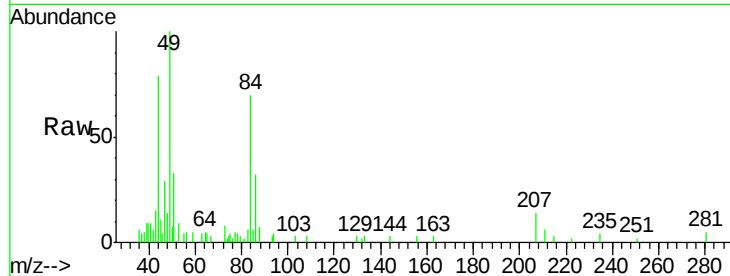


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.27 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF059369.D
 Acq: 28 Jun 2018 19:15

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-CURB-CON

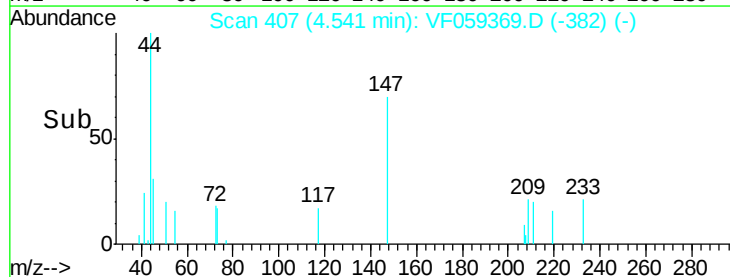
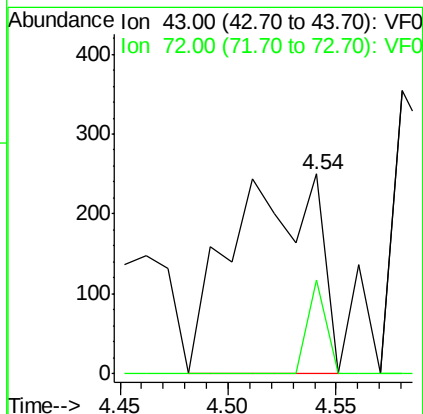
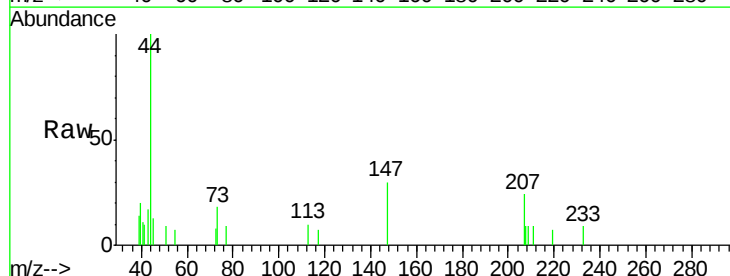
Tot Ion:	84	Resp:	7017
Ion	Ratio	Lower	Upper
84	100		
49	143.1	126.5	189.7
51	47.5	42.9	64.3
86	45.5	48.6	73.0#

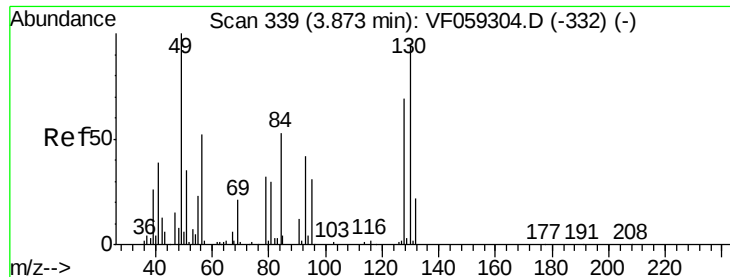


#25

2-Butanone
 Concen: Below Cal
 RT: 4.54 min Scan# 407
 Delta R.T. 0.05 min
 Lab File: VF059369.D
 Acq: 28 Jun 2018 19:15

Tgt Ion:	43	Resp:	684
Ion	Ratio	Lower	Upper
43	100		
72	46.8	14.4	21.6#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.74 min Scan# 326

Delta R.T. -0.13 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

Instrument :

MSVOA_F

ClientSampleId :

SS-CURB-CON

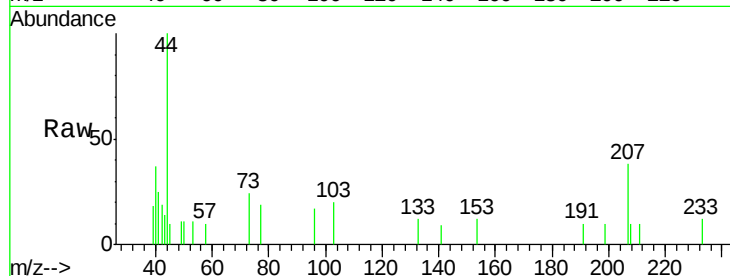
Tot Ion: 49 Resp: 72

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

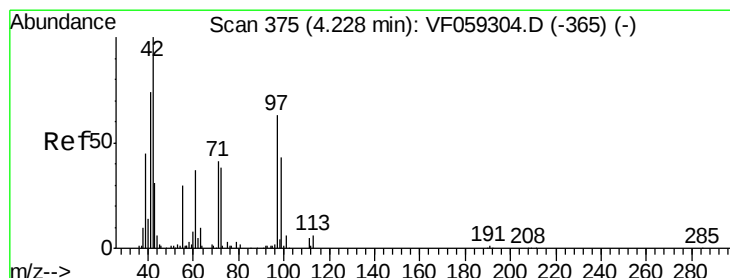
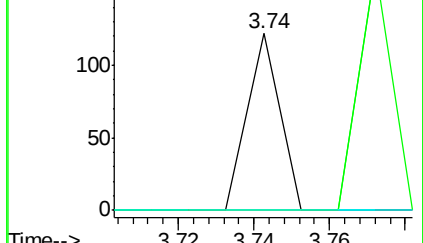
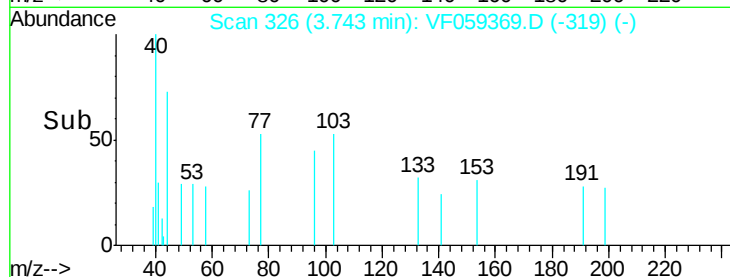
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.25 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

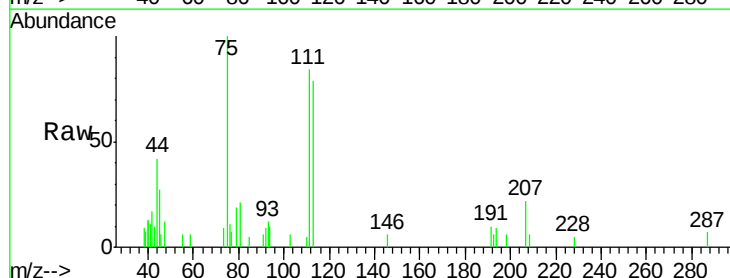
Tgt Ion: 42 Resp: 194

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

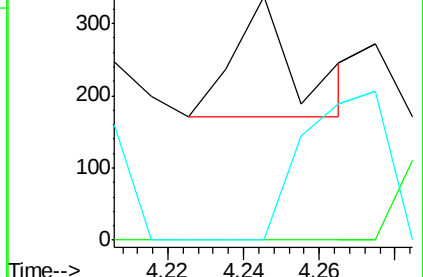
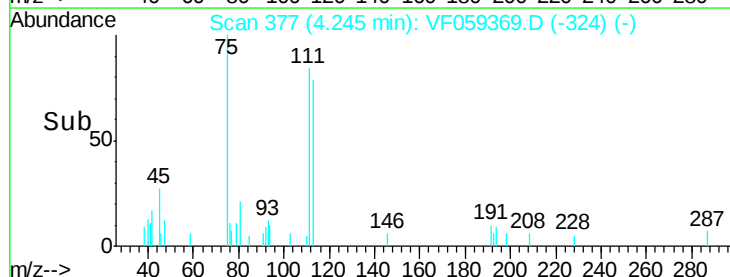
71 0.0 32.5 48.7#

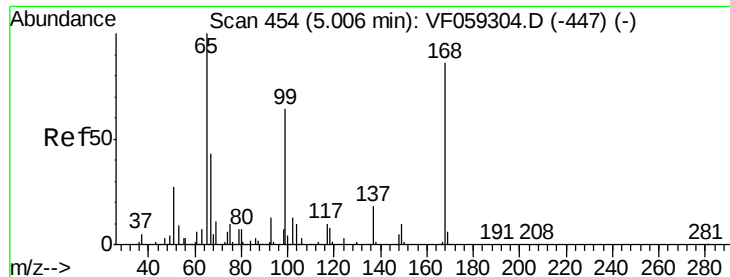


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 41.003 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

Instrument :

MSVOA_F

ClientSampleId :

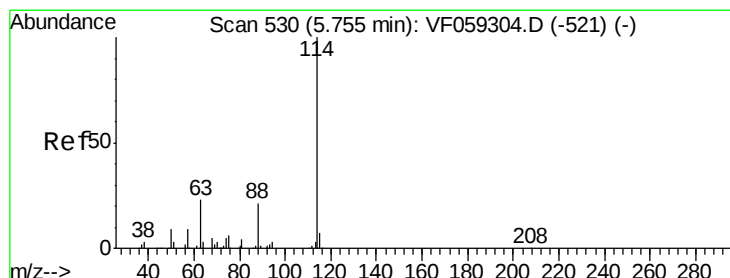
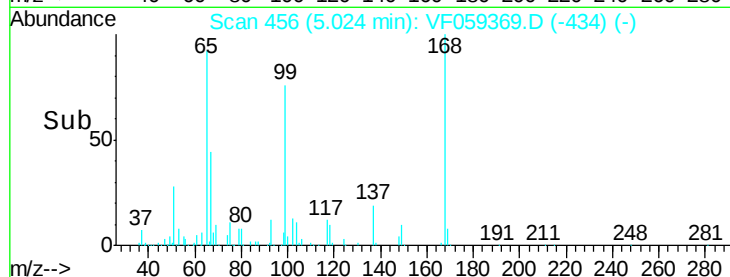
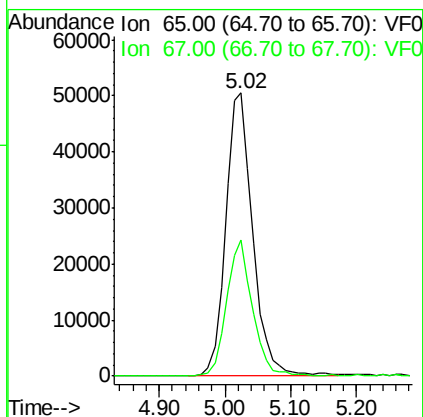
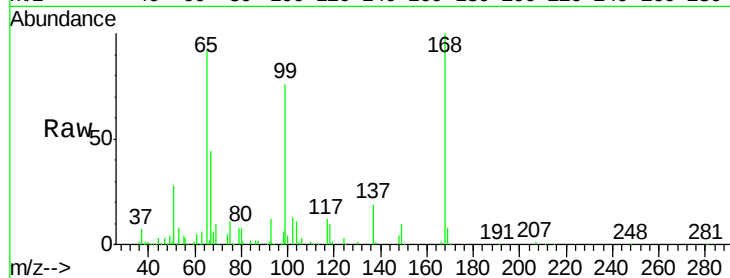
SS-CURB-CON

Tot Ion: 65 Resp: 145255

Ion Ratio Lower Upper

65 100

67 48.1 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

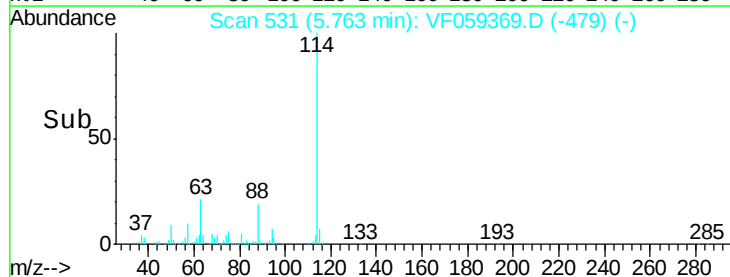
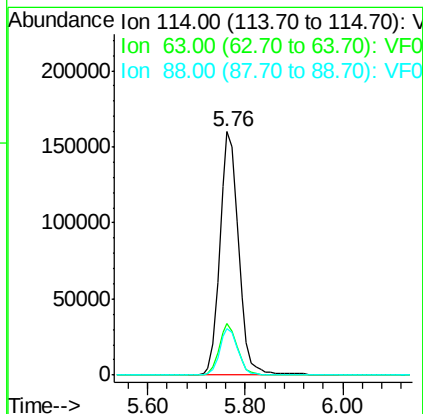
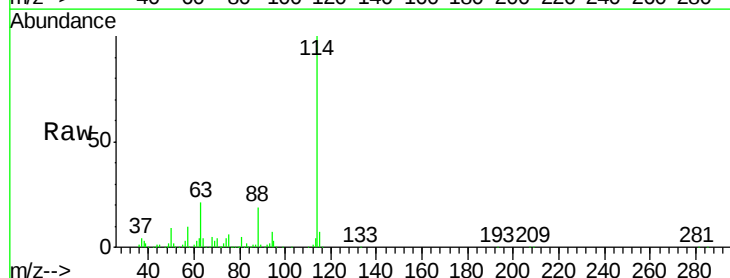
Tgt Ion: 114 Resp: 428153

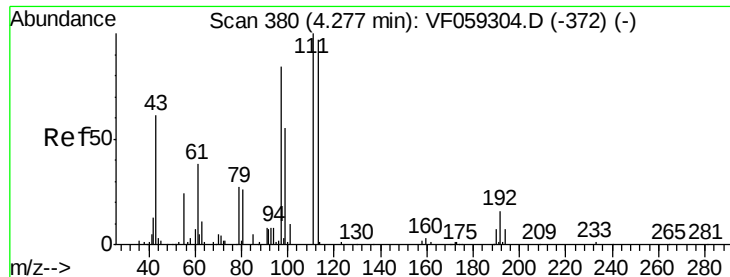
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.8

88 19.0 0.0 41.2

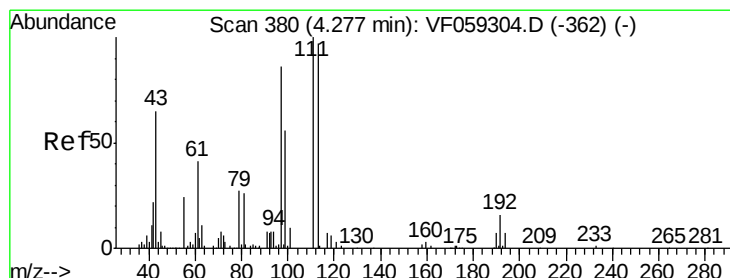
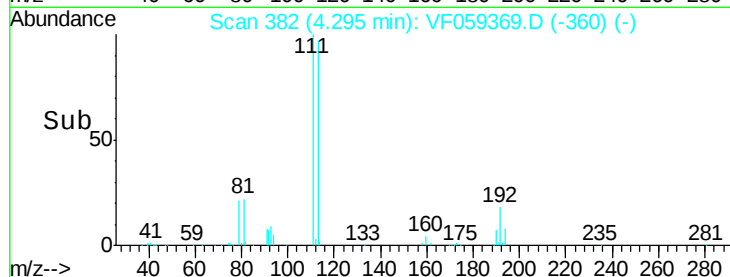
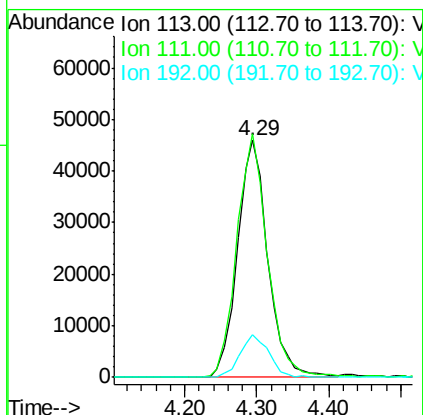
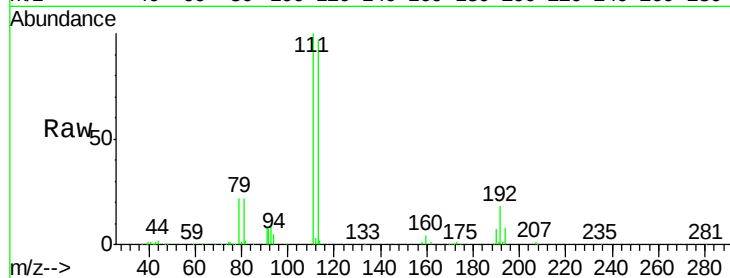




#35
 Dibromofluoromethane
 Concen: 43.245 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VF059369.D
 Acq: 28 Jun 2018 19:15

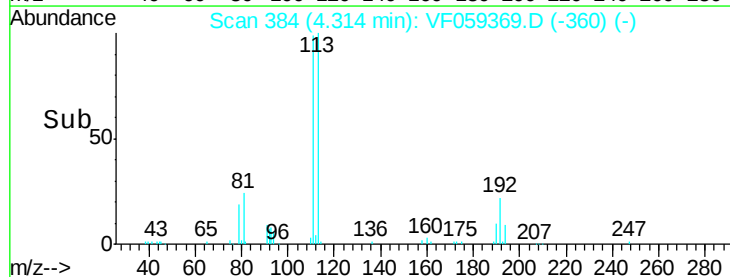
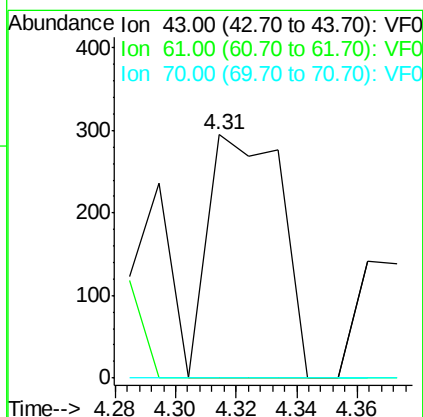
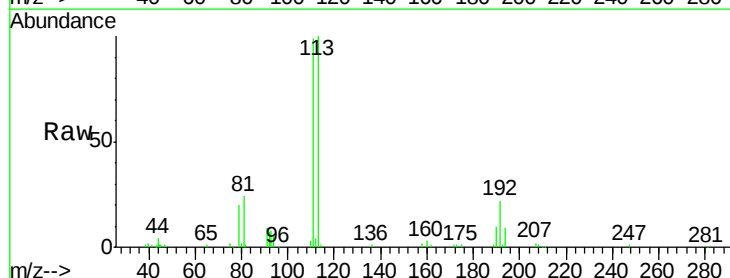
Instrument :
 MSVOA_F
 ClientSampleId :
 SS-CURB-CON

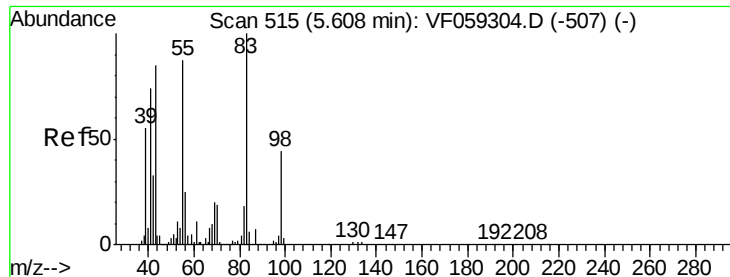
Tot Ion:113 Resp: 135286
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.1 123.1
 192 18.3 13.0 19.6



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.31 min Scan# 384
 Delta R.T. 0.04 min
 Lab File: VF059369.D
 Acq: 28 Jun 2018 19:15

Tgt Ion: 43 Resp: 496
 Ion Ratio Lower Upper
 43 100
 61 0.0 50.1 75.1#
 70 0.0 6.2 9.4#

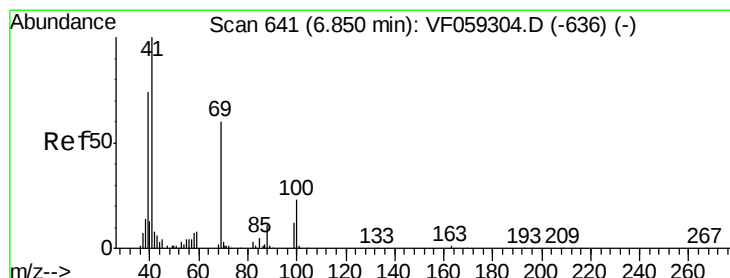
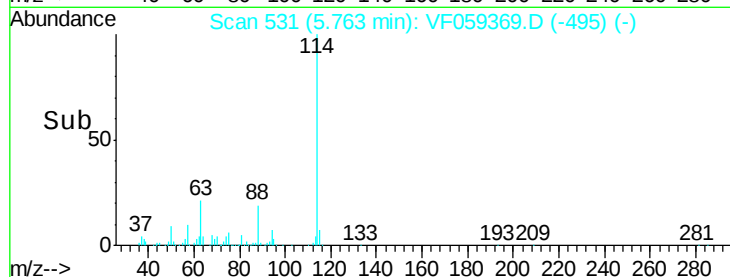
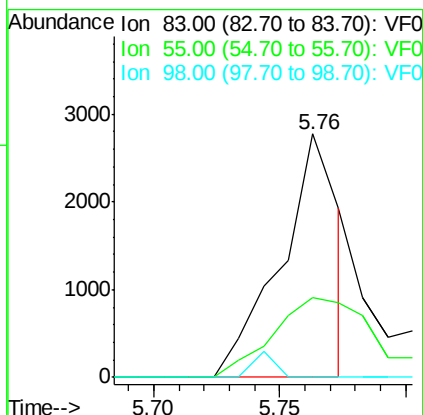
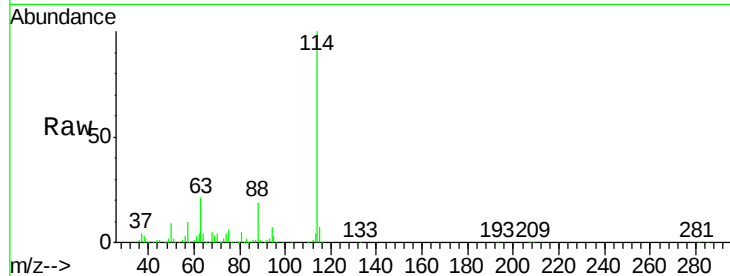




#39
Methvlcvclohexane
Concen: 1.341 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.16 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

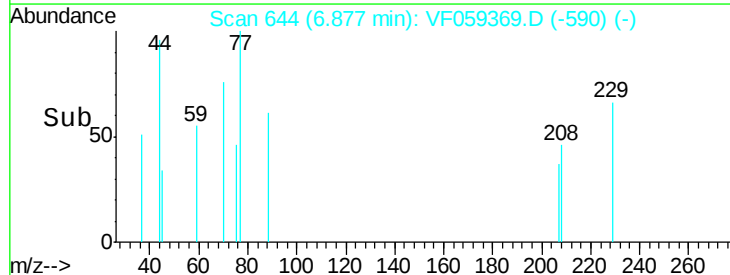
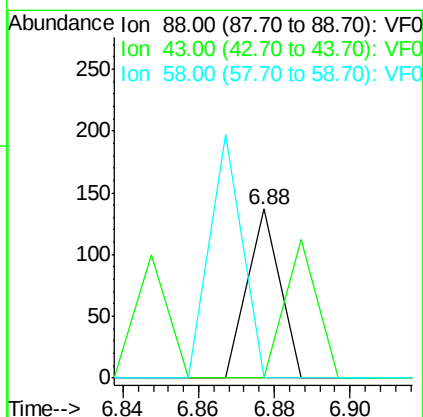
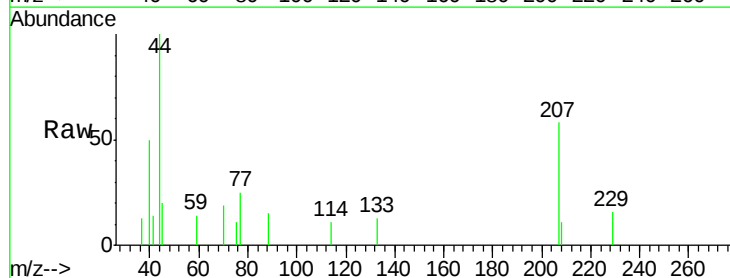
Instrument :
MSVOA_F
ClientSampleId :
SS-CURB-CON

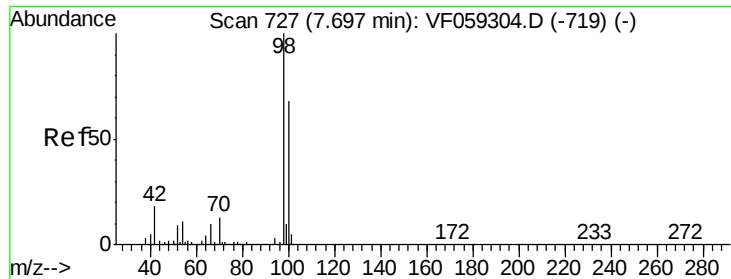
Tot Ion: 83 Resp: 4446
Ion Ratio Lower Upper
83 100
55 32.6 69.2 103.8#
98 0.0 35.0 52.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.88 min Scan# 644
Delta R.T. 0.03 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 50.6 75.8#
58 0.0 46.6 69.8#





#50

Toluene-d8

Concen: 39.895 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF059369.D

Acq: 28 Jun 2018 19:15

Instrument :

MSVOA_F

ClientSampleId :

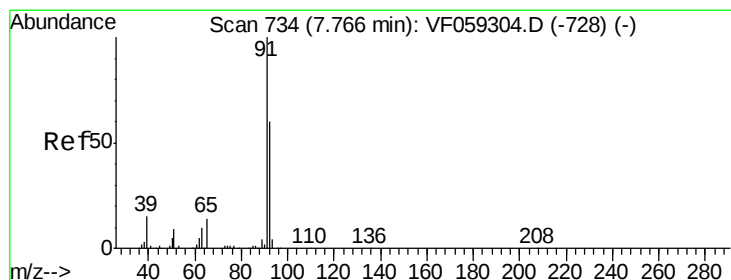
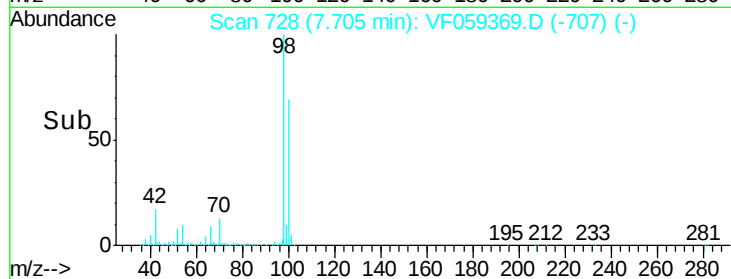
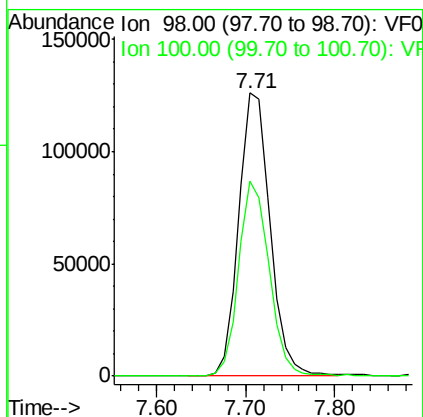
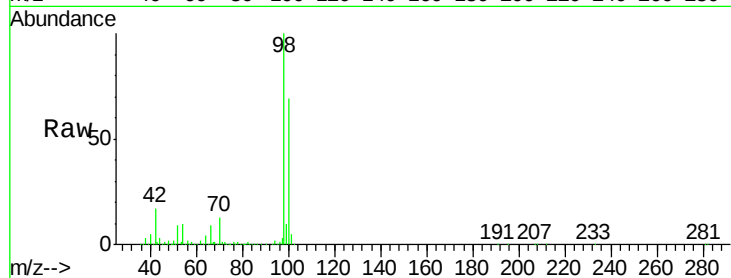
SS-CURB-CON

Tot Ion: 98 Resp: 309011

Ion Ratio Lower Upper

98 100

100 68.8 54.6 82.0



#58

2-Chloroethyl Vinyl ether

Concen: 1.188 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF059369.D

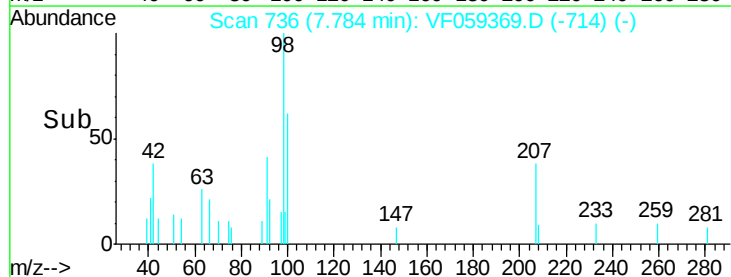
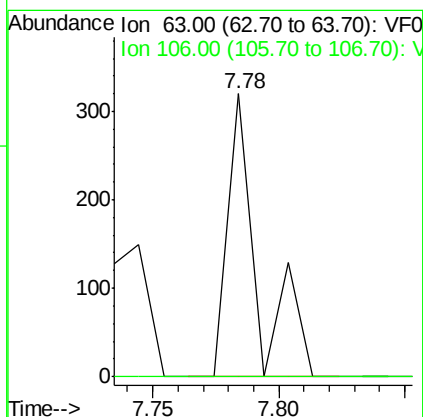
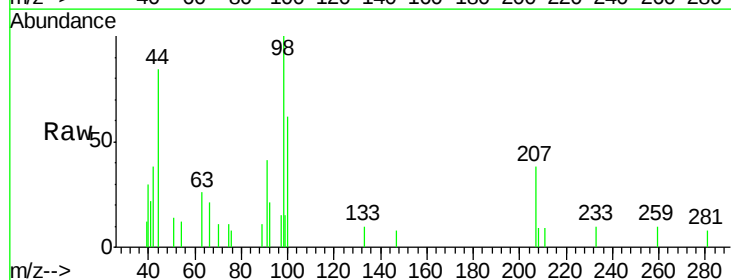
Acq: 28 Jun 2018 19:15

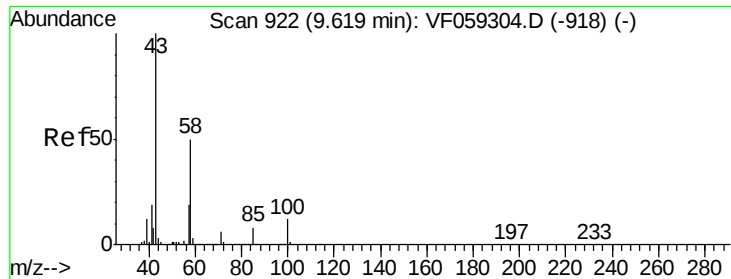
Tgt Ion: 63 Resp: 266

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

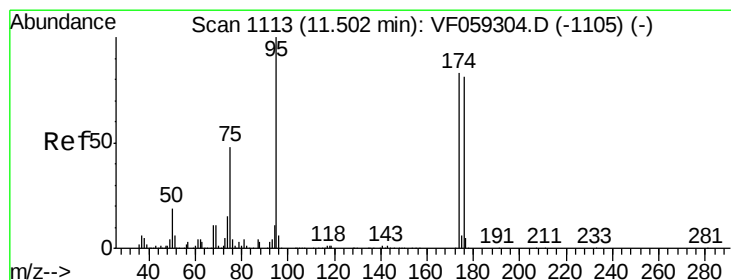
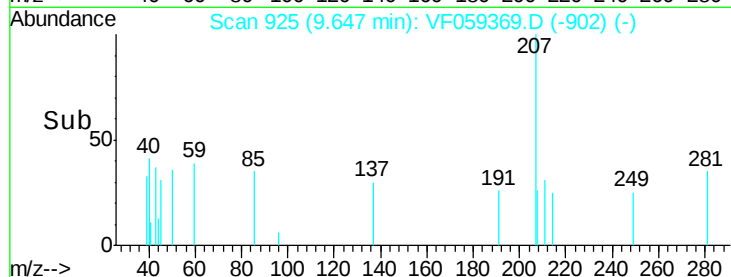
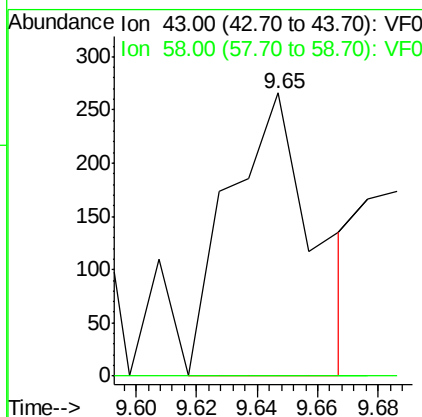
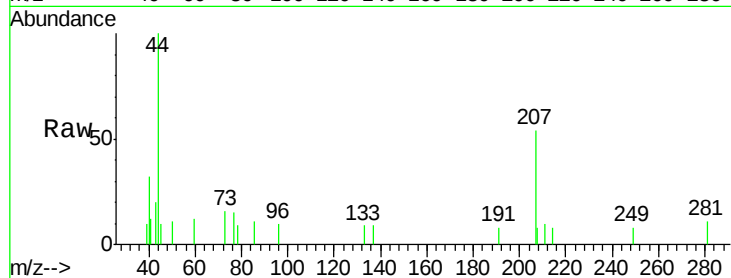




#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 925
Delta R.T. 0.03 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

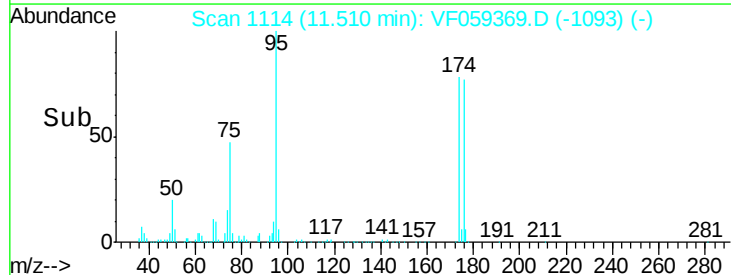
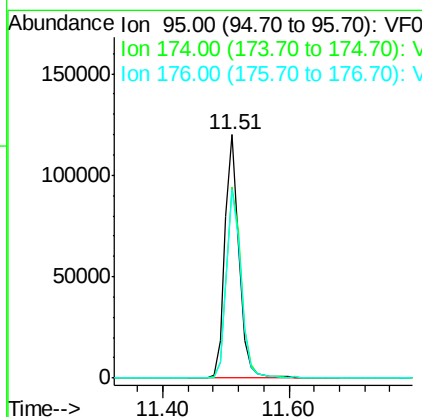
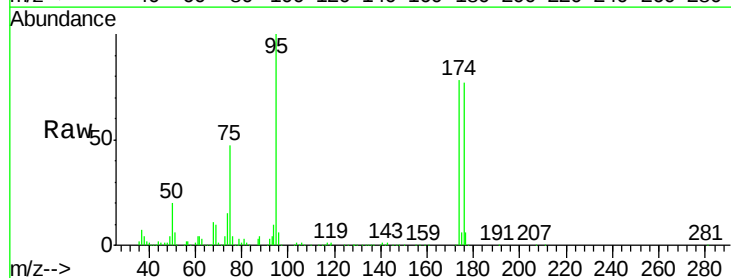
Instrument :
MSVOA_F
ClientSampleId :
SS-CURB-CON

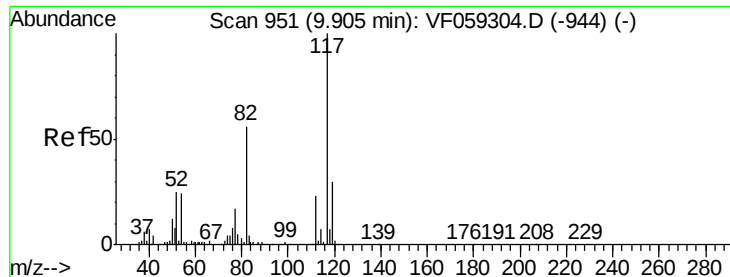
Tot Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 43.142 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

Tgt Ion: 95 Resp: 188495
Ion Ratio Lower Upper
95 100
174 78.4 0.0 165.2
176 77.3 0.0 161.0

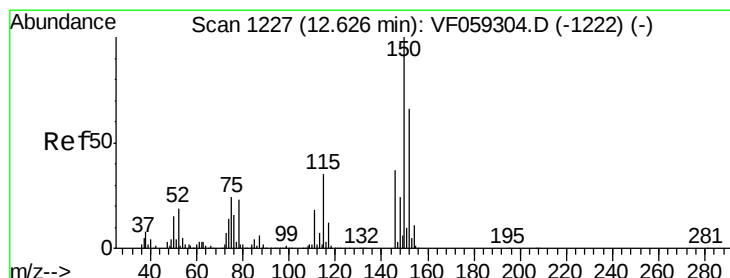
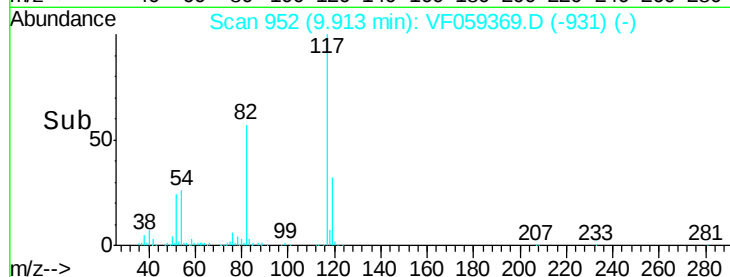
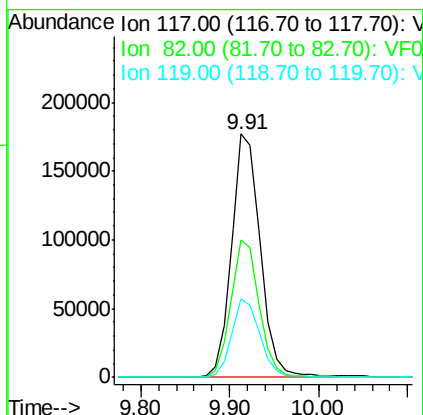
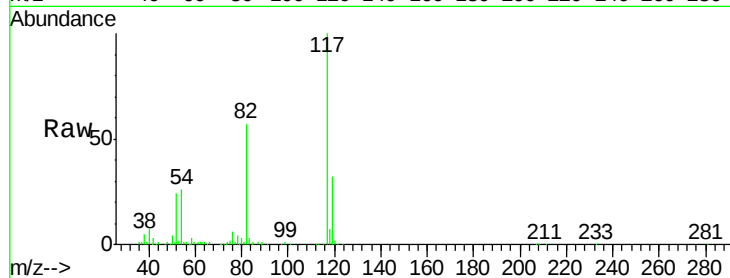




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

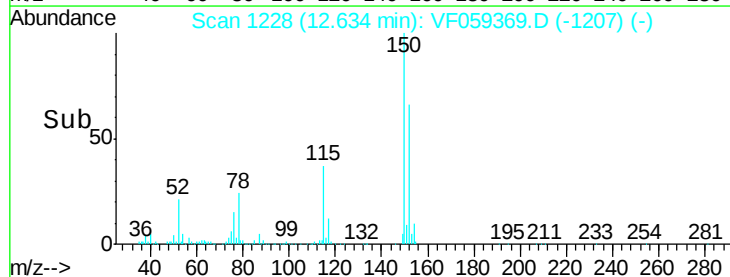
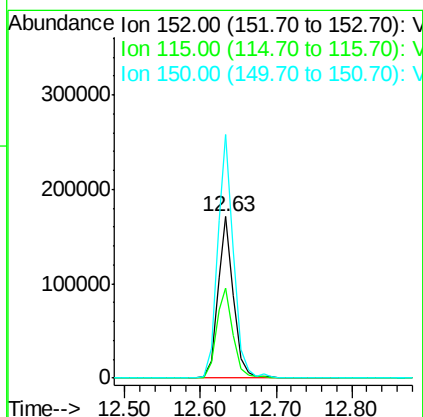
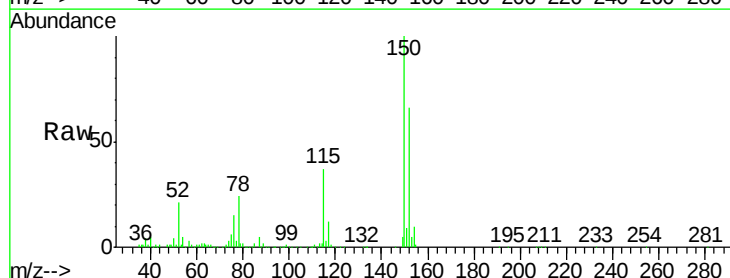
Instrument :
MSVOA_F
ClientSampleId :
SS-CURB-CON

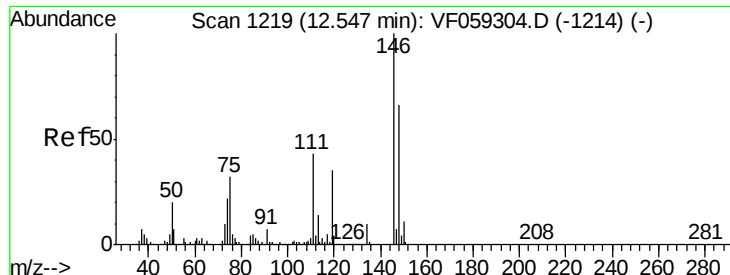
Tot Ion:117 Resp: 400514
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 32.1 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059369.D
Acq: 28 Jun 2018 19:15

Tgt Ion:152 Resp: 247218
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 151.0 0.0 305.2





#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059369.D
 Acq: 28 Jun 2018 19:15

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-CURB-CON

Tot Ion:146 Resp: 289
 Ion Ratio Lower Upper
 146 100
 111 50.0 21.4 64.2
 148 31.8 32.8 98.4#

