

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059366.D
 Acq On : 28 Jun 2018 17:52
 Operator : VA/AP
 Sample : J3715-01
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-SIDEWALK-CON

Quant Time: Jun 29 11:30:30 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	274609	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	414933	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	385618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	206133	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	153687	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	
35) Dibromofluoromethane	4.29	113	151016	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	7.71	98	331880	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	
62) 4-Bromofluorobenzene	11.51	95	186926	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	

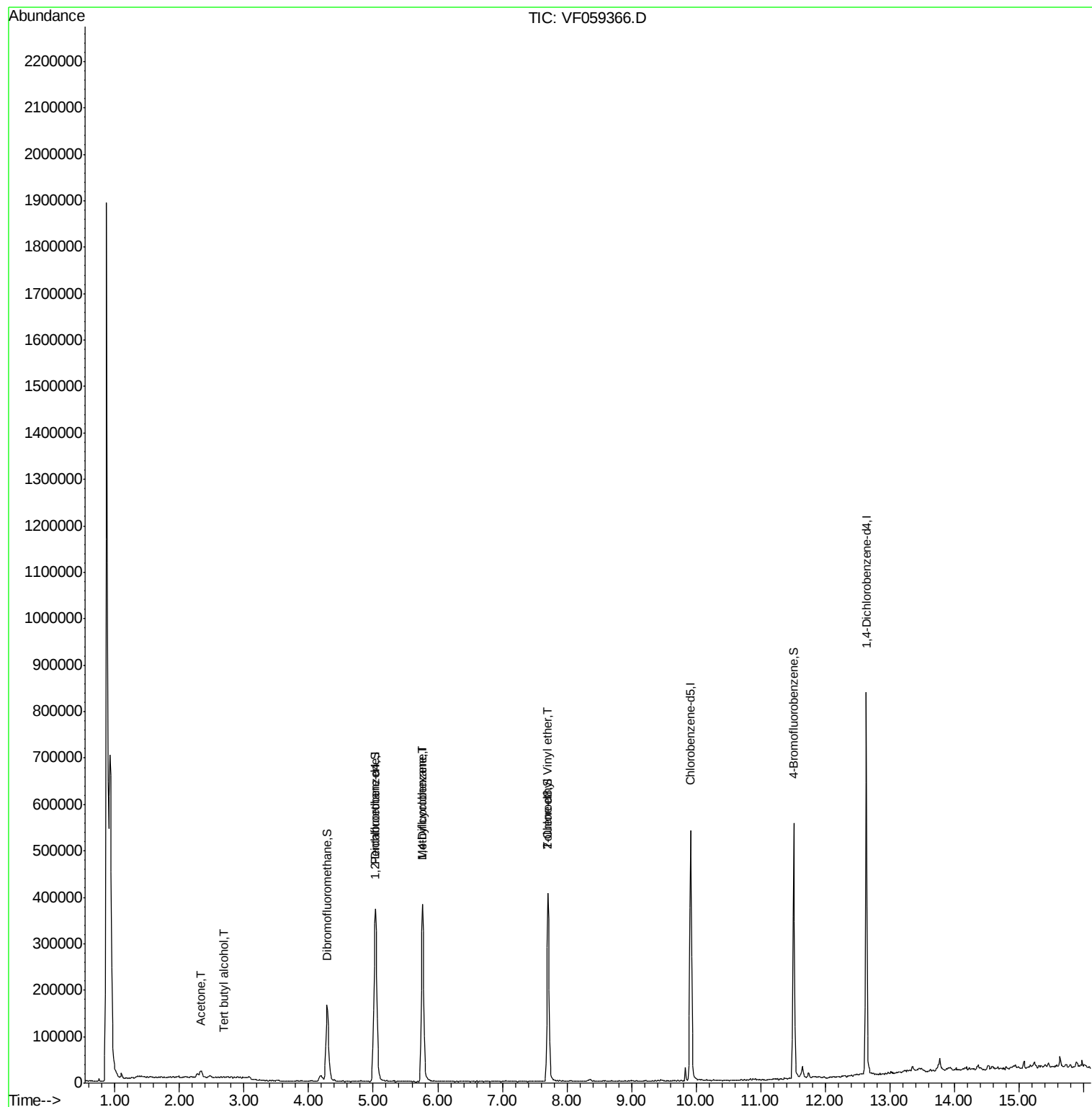
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.33	94	187	Below Cal	#	4
11) Tert butyl alcohol	2.69	59	474	2.01	ug/l	66
13) Acrolein	2.08	56	306	Below Cal		91
16) Acetone	2.33	43	18047	10.60	ug/l	99
18) Methyl Acetate	2.44	43	804	Below Cal	#	61
20) Methylene Chloride	2.28	84	4292	Below Cal		85
25) 2-Butanone	4.52	43	490	Below Cal	#	45
28) Bromochloromethane	3.87	49	106	Below Cal	#	6
29) Tetrahydrofuran	4.27	42	1327	Below Cal	#	66
37) Ethyl Acetate	4.27	43	156	Below Cal	#	26
39) Methylcyclohexane	5.75	83	4131	1.29	ug/l	39
49) 1,4-Dioxane	6.92	88	62	Below Cal	#	1
58) 2-Chloroethyl Vinyl ether	7.71	63	404	1.86	ug/l	100
59) 2-Hexanone	9.67	43	435	Below Cal	#	30
87) 1,3-Dichlorobenzene	12.56	146	464	Below Cal		84

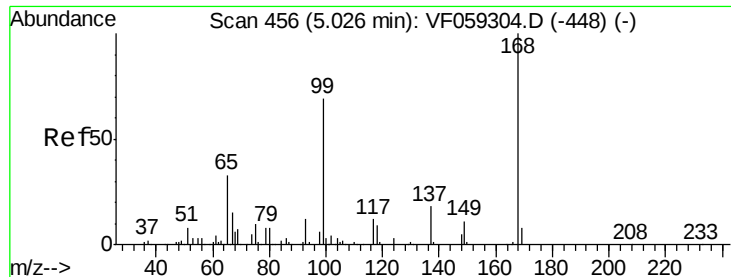
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

Instrument :

MSVOA_F

ClientSampleId :

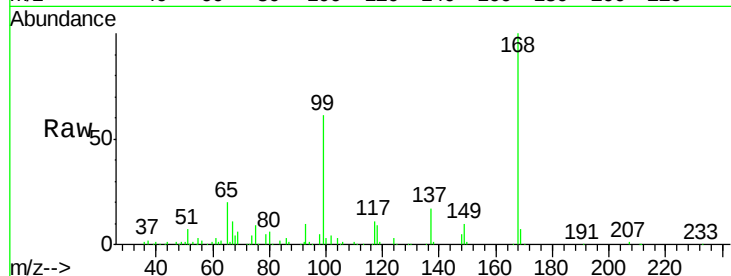
SS-SIDEWALK-CON

Tot Ion:168 Resp: 274609

Ion Ratio Lower Upper

168 100

99 60.7 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

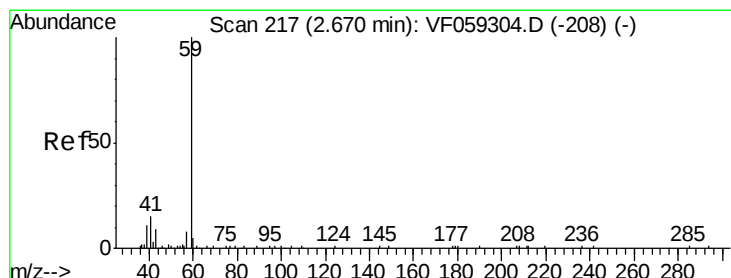
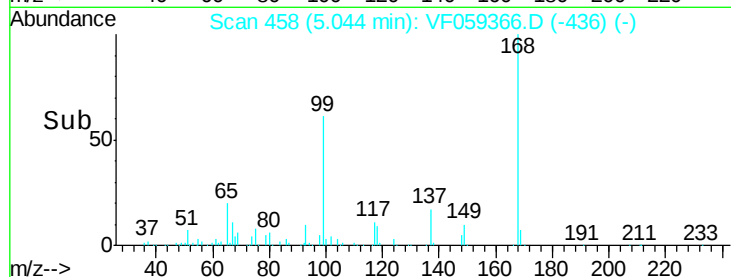
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.01 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.02 min

Lab File: VF059366.D

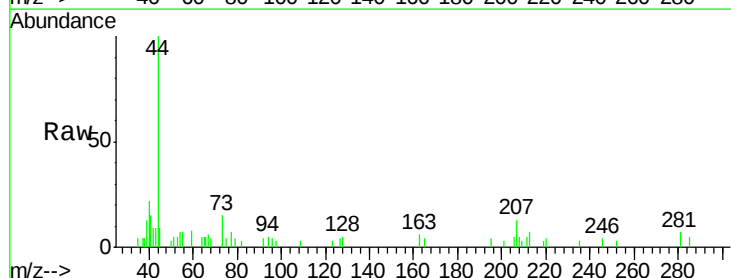
Acq: 28 Jun 2018 17:52

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

300

250

200

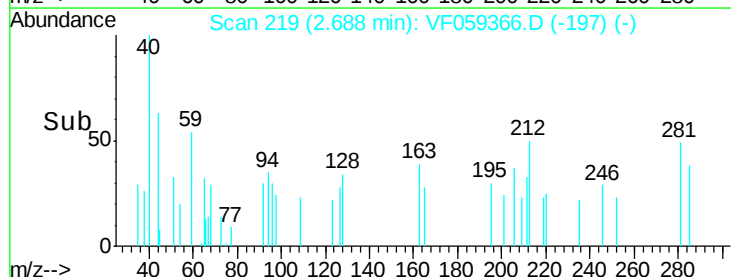
150

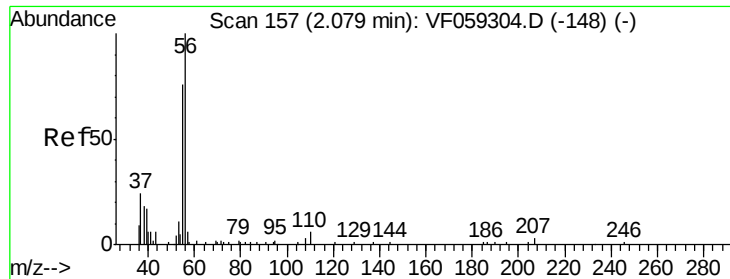
100

50

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

Instrument :

MSVOA_F

ClientSampleId :

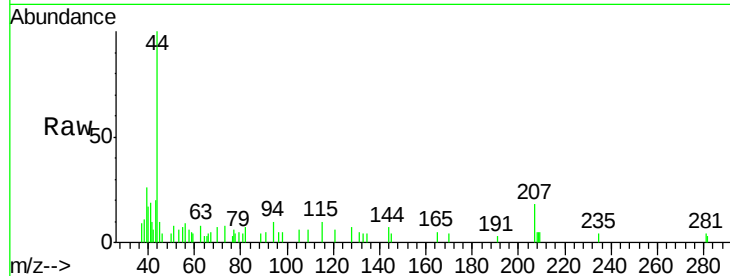
SS-SIDEWALK-CON

Tot Ion: 56 Resp: 306

Ion Ratio Lower Upper

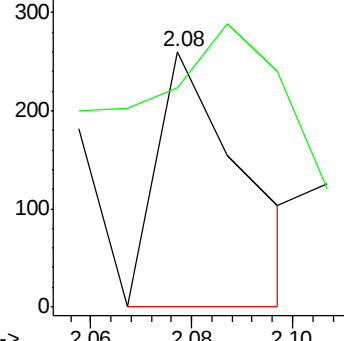
56 100

55 85.8 62.4 93.6

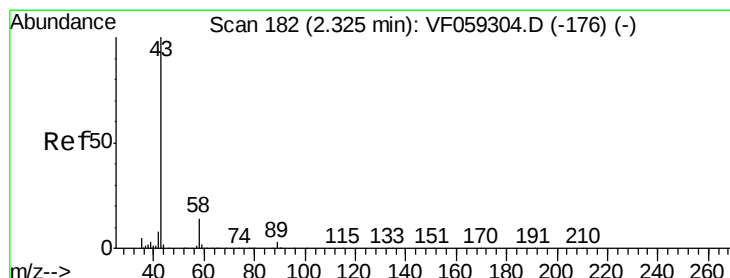
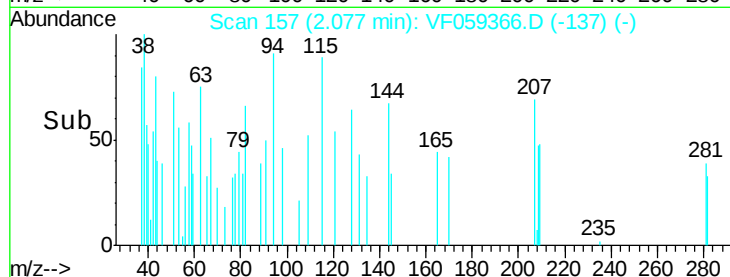


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 10.60 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059366.D

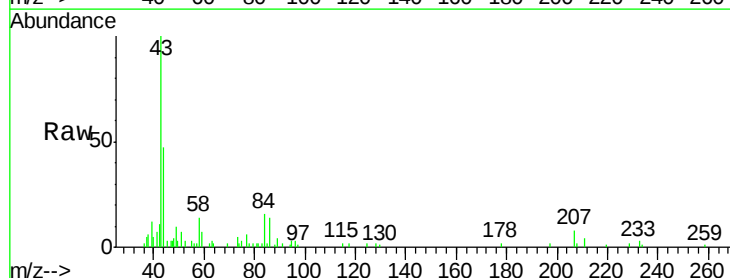
Acq: 28 Jun 2018 17:52

Tgt Ion: 43 Resp: 18047

Ion Ratio Lower Upper

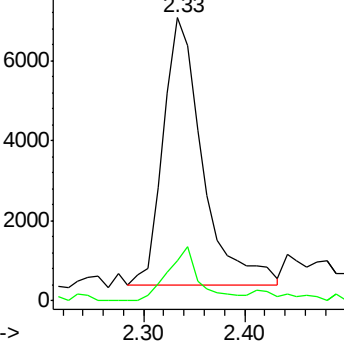
43 100

58 14.4 11.4 17.0

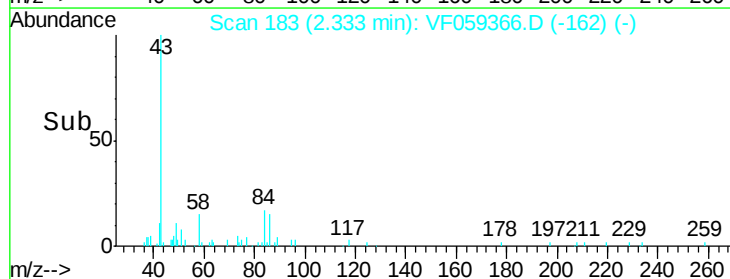


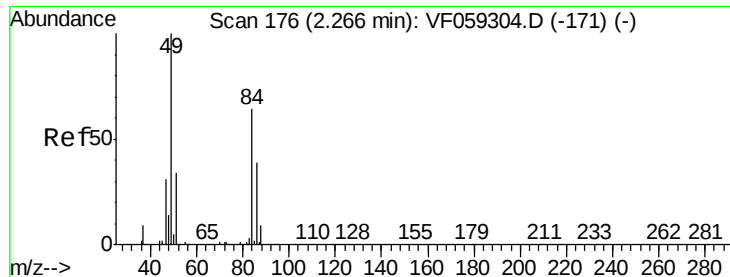
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

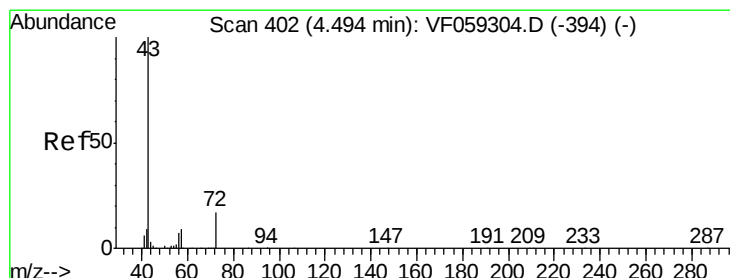
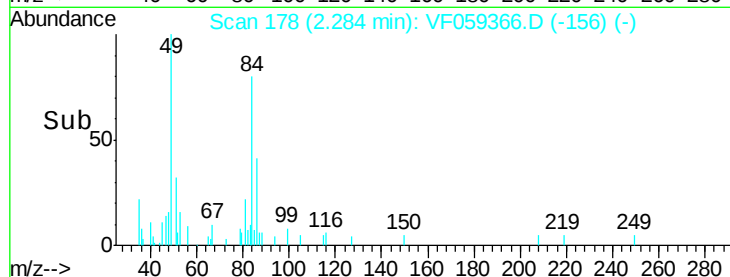
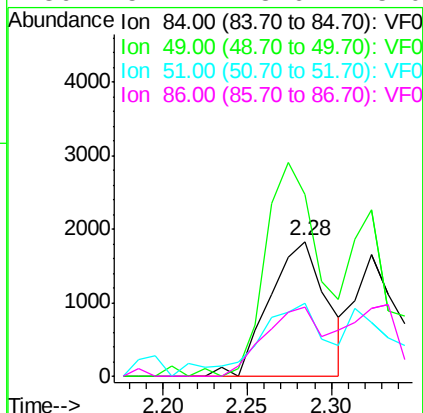
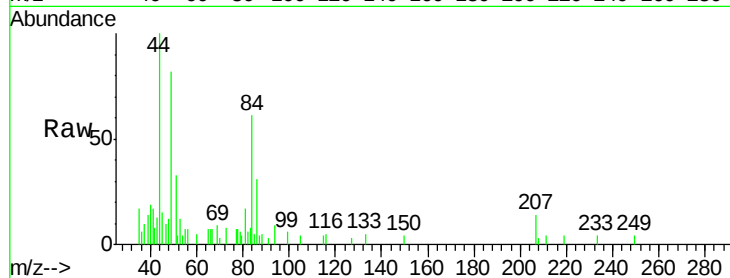




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

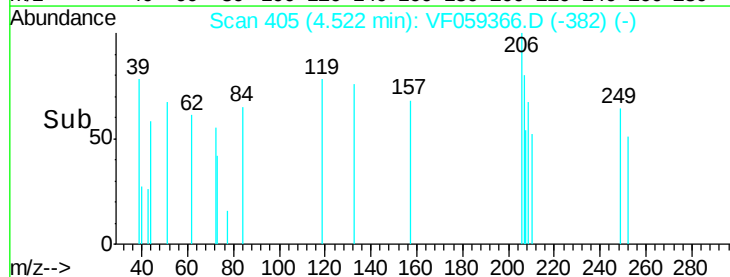
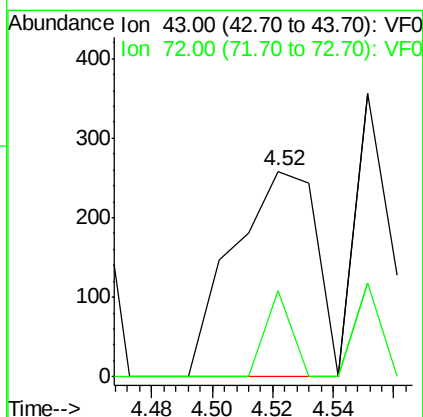
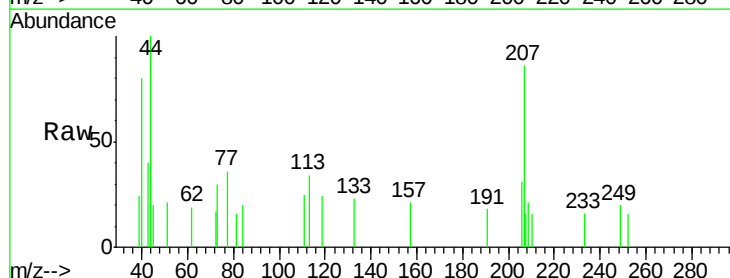
Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

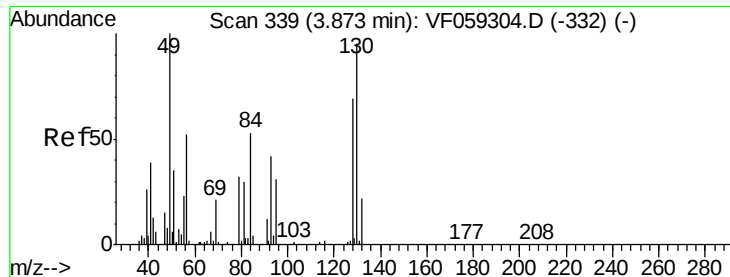
Tot Ion:	84	Resp:	4292
Ion	Ratio	Lower	Upper
84	100		
49	135.0	126.5	189.7
51	61.7	42.9	64.3
86	51.1	48.6	73.0



#25
2-Butanone
Concen: Below Cal
RT: 4.52 min Scan# 405
Delta R.T. 0.03 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion:	43	Resp:	490
Ion	Ratio	Lower	Upper
43	100		
72	42.2	14.4	21.6#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.87 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

Instrument :

MSVOA_F

ClientSampleId :

SS-SIDEWALK-CON

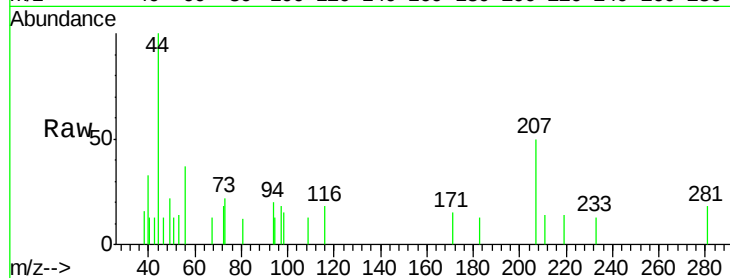
Tot Ion: 49 Resp: 106

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

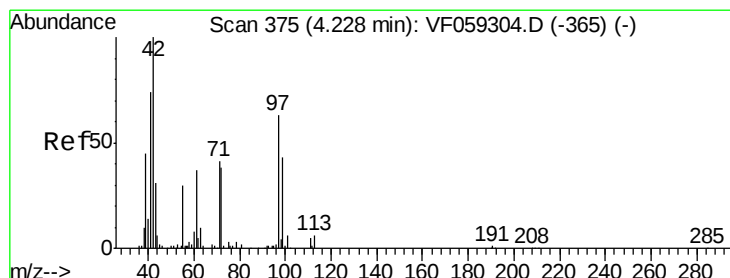
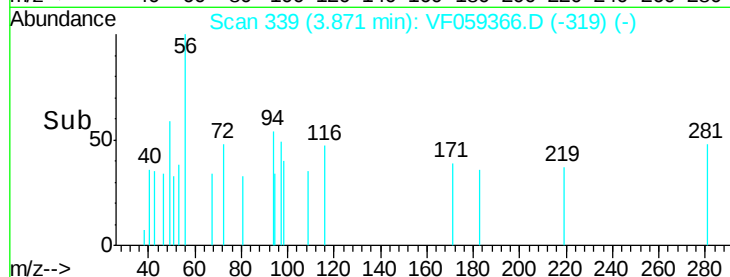
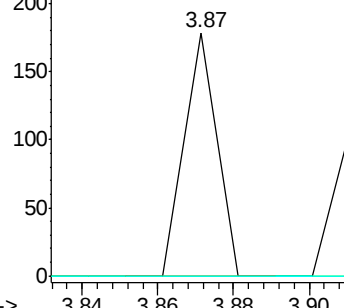
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.27 min Scan# 379

Delta R.T. 0.04 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

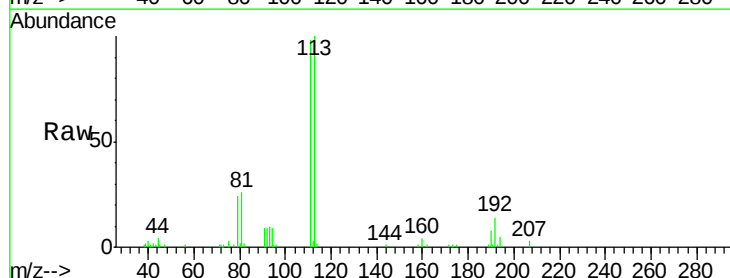
Tgt Ion: 42 Resp: 1327

Ion Ratio Lower Upper

42 100

72 23.8 30.5 45.7#

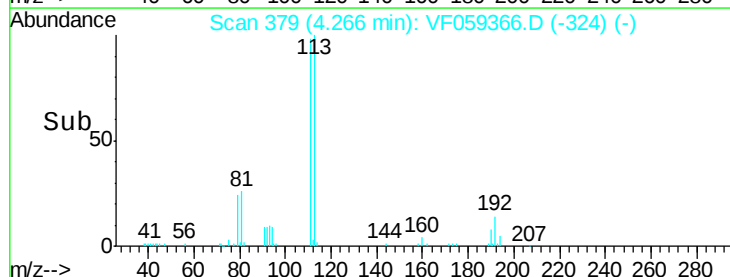
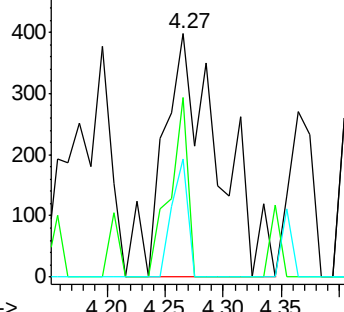
71 13.8 32.5 48.7#

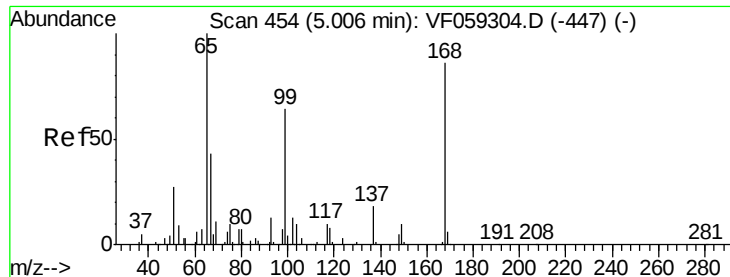


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 43.32 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

Instrument :

MSVOA_F

ClientSampleId :

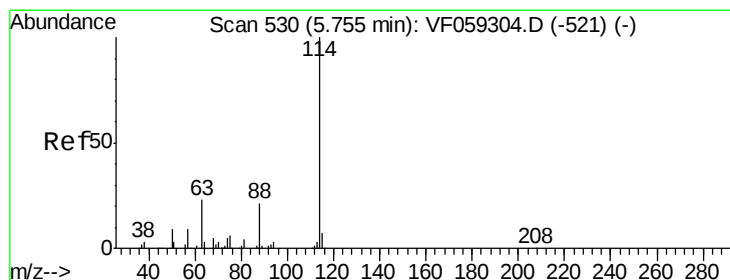
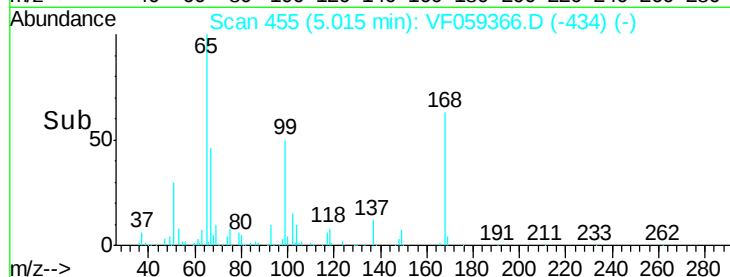
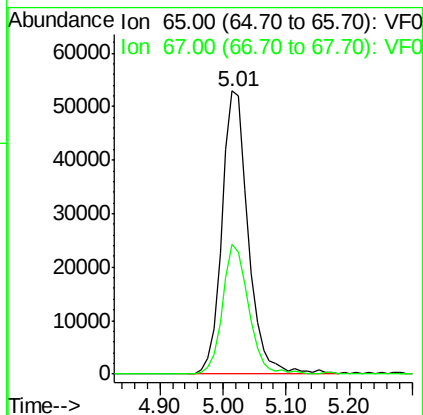
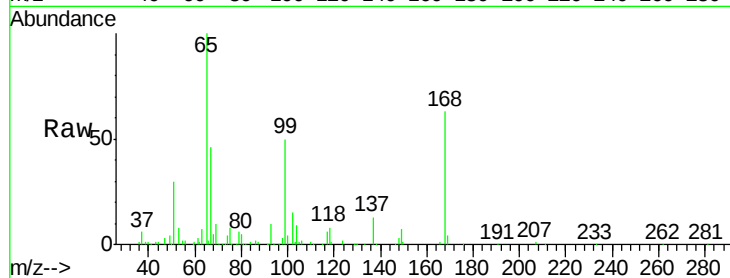
SS-SIDEWALK-CON

Tot Ion: 65 Resp: 153687

Ion Ratio Lower Upper

65 100

67 45.9 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059366.D

Acq: 28 Jun 2018 17:52

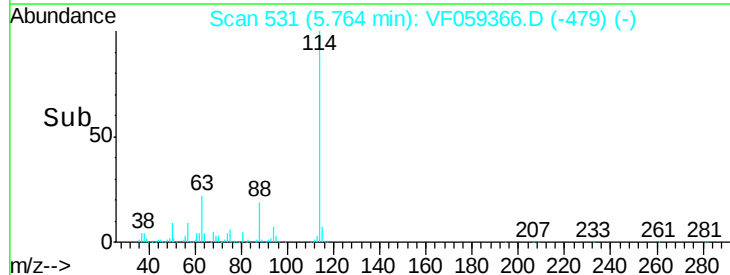
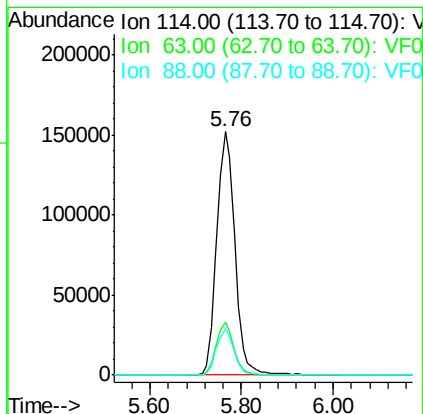
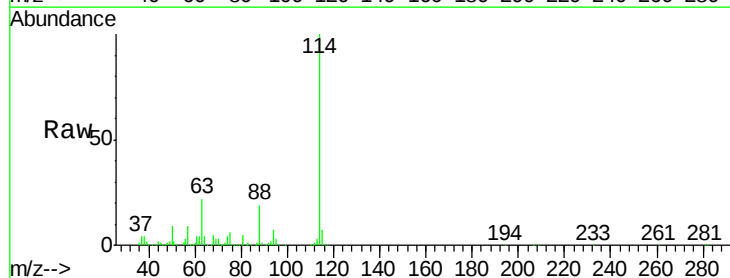
Tgt Ion: 114 Resp: 414933

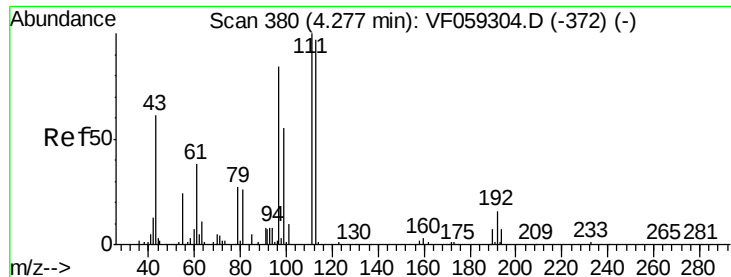
Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.8

88 18.9 0.0 41.2

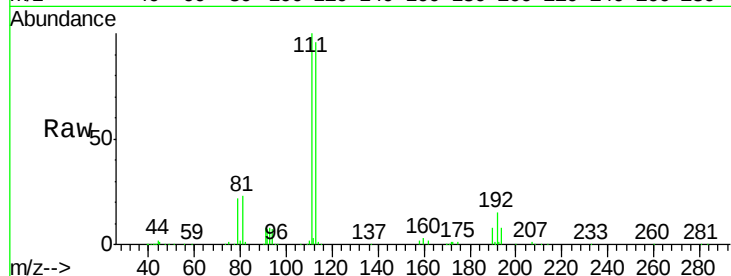




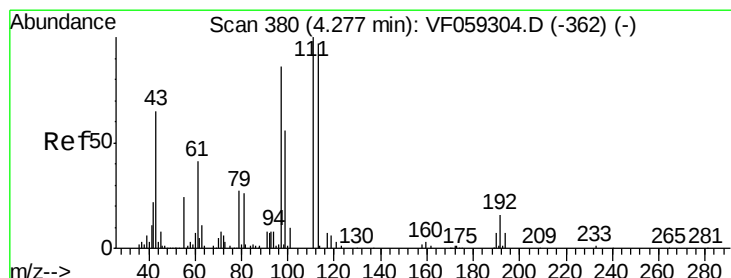
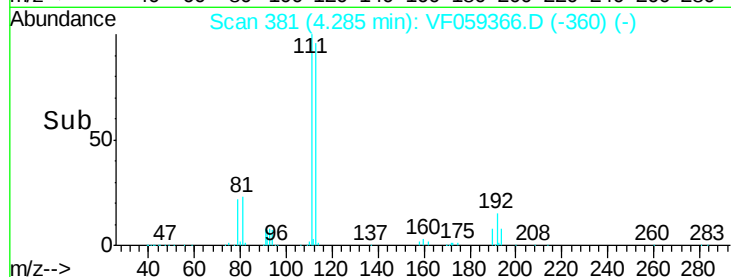
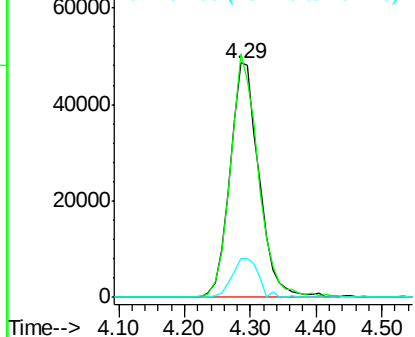
#35
Dibromofluoromethane
Concen: 49.81 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

Tot Ion:113 Resp: 151016
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 16.4 13.0 19.6

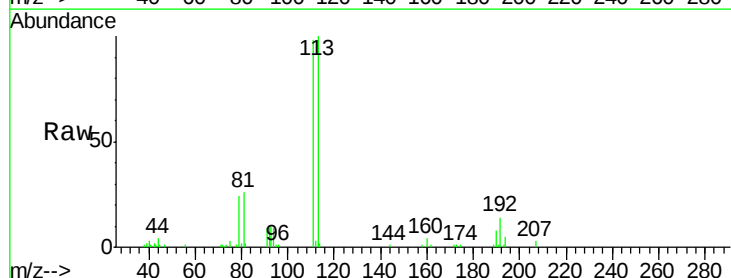


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

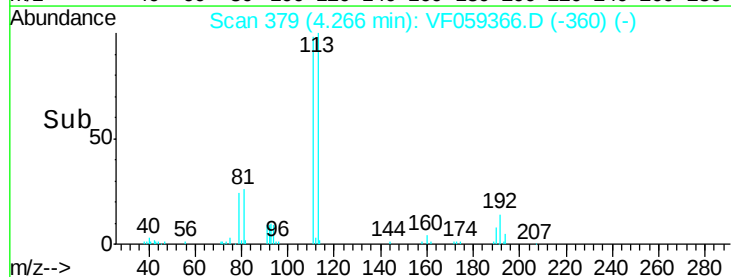
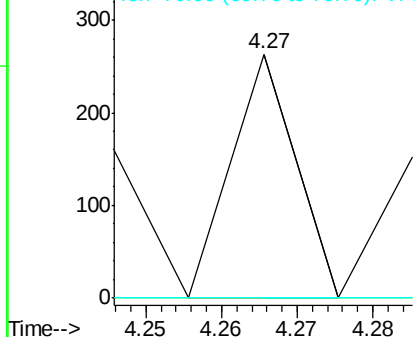


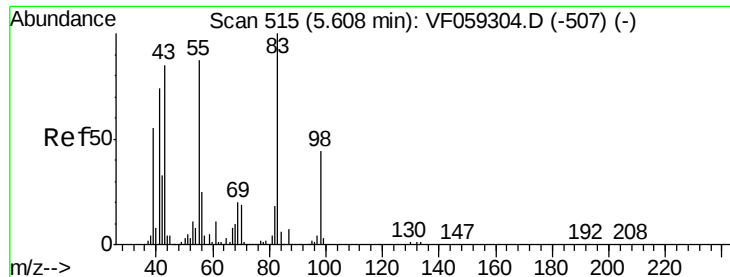
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

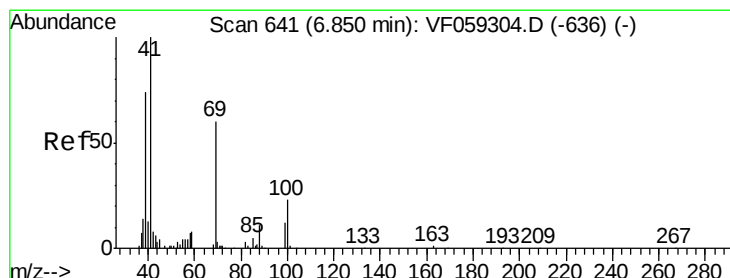
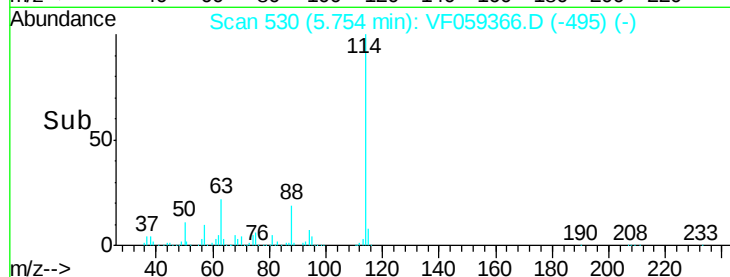
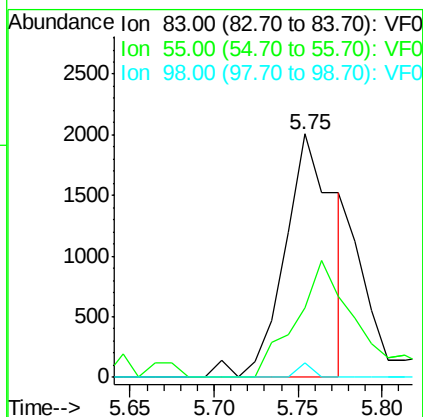
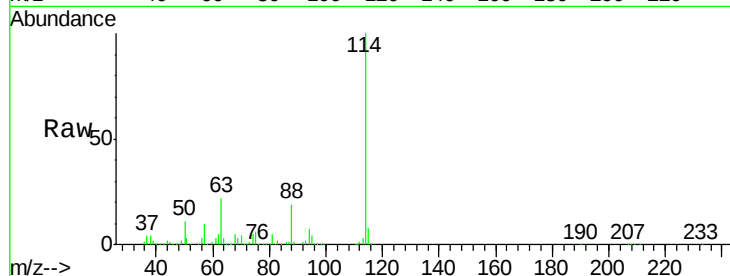




#39
Methvlcvclohexane
Concen: 1.29 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.15 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

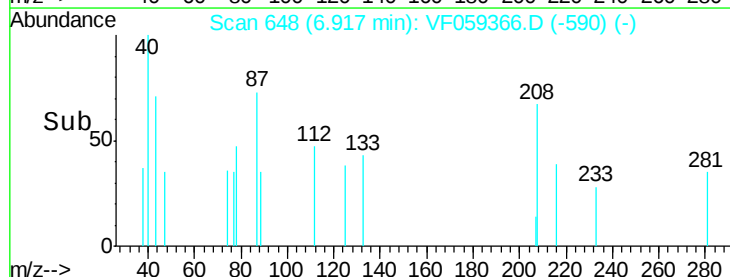
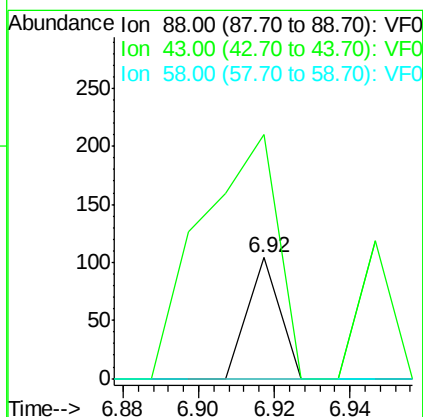
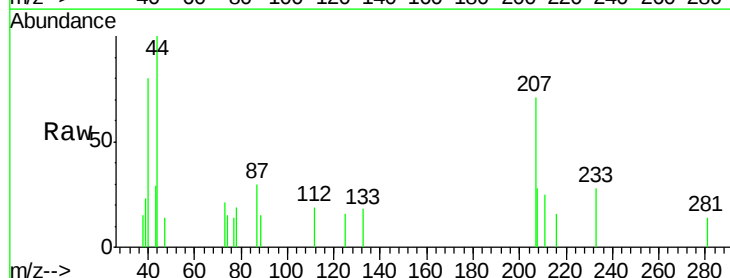
Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

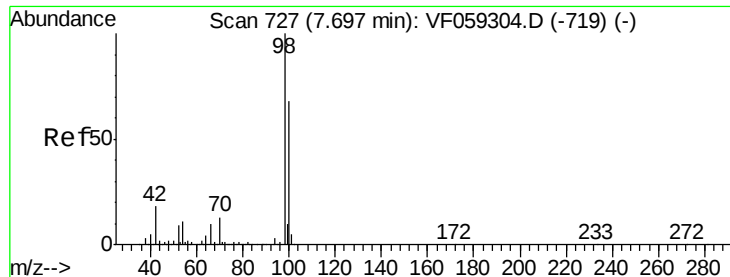
Tot Ion: 83 Resp: 4131
Ion Ratio Lower Upper
83 100
55 28.7 69.2 103.8#
98 6.1 35.0 52.6#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.92 min Scan# 648
Delta R.T. 0.07 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 201.9 50.6 75.8#
58 0.0 46.6 69.8#

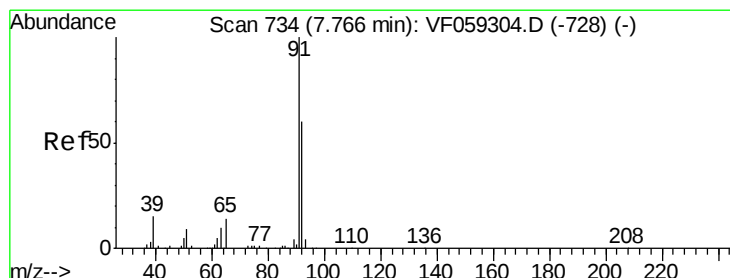
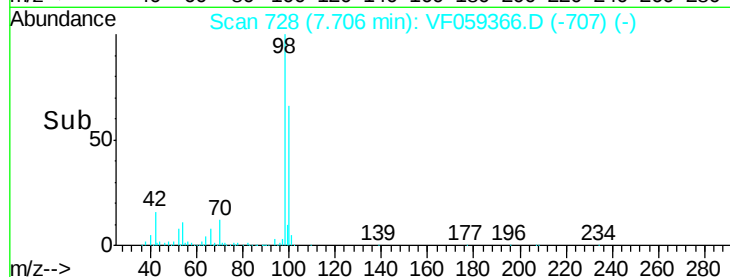
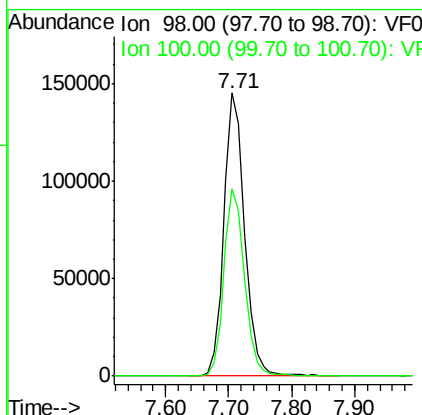
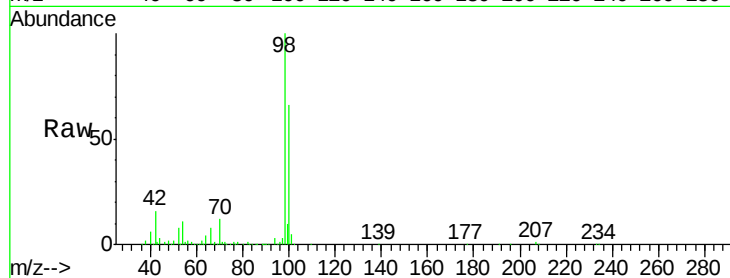




#50
Toluene-d8
Concen: 44.21 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

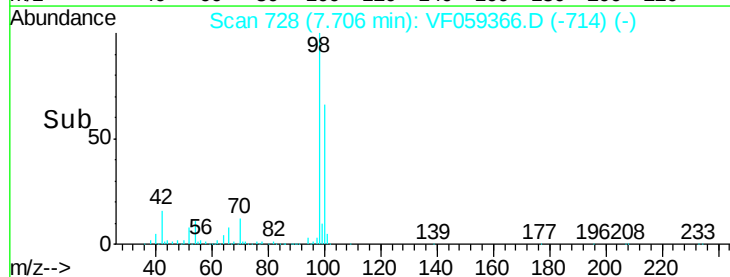
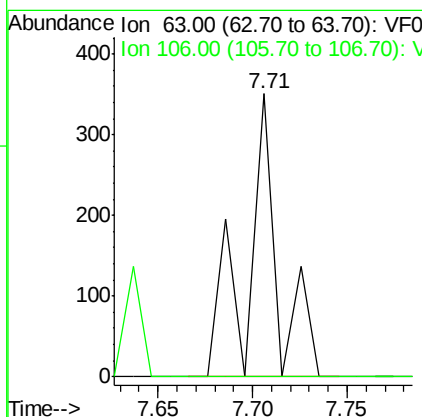
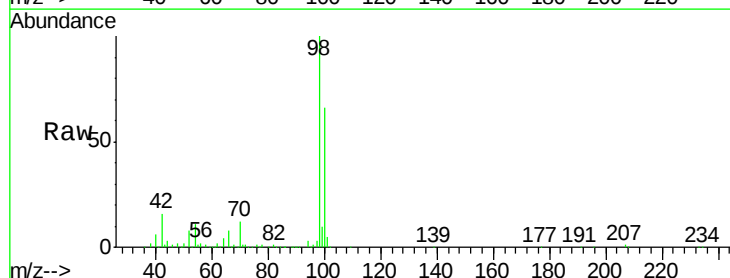
Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

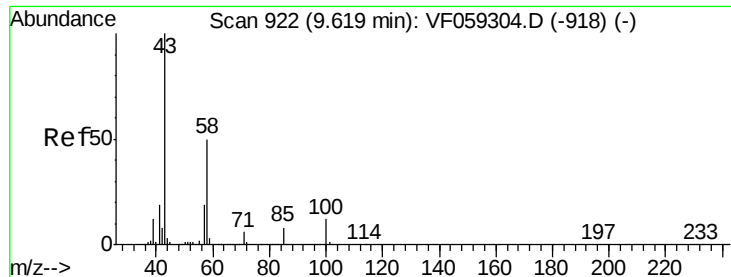
Tot Ion: 98 Resp: 331880
Ion Ratio Lower Upper
98 100
100 66.3 54.6 82.0



#58
2-Chloroethyl Vinyl ether
Concen: 1.86 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.06 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion: 63 Resp: 404
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0

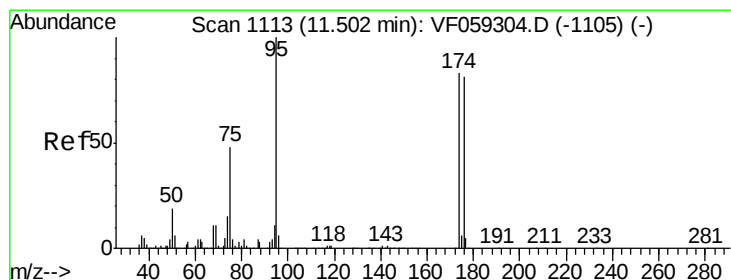
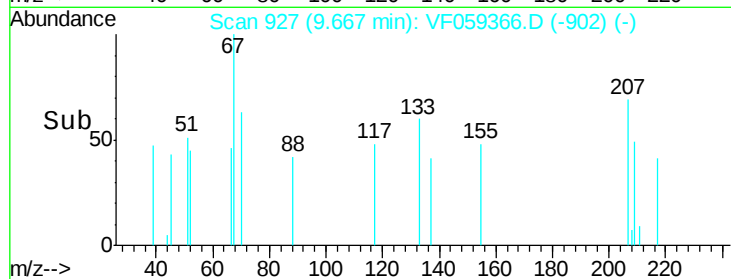
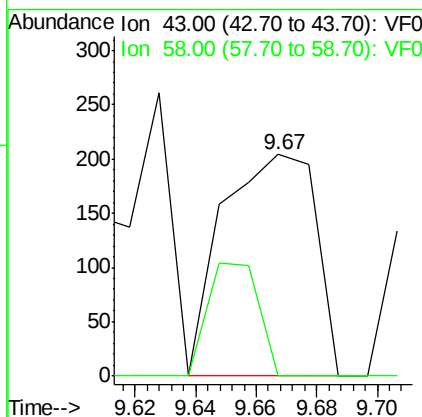
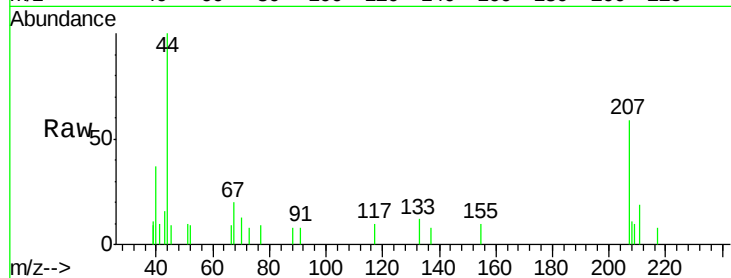




#59
2-Hexanone
Concen: Below Cal
RT: 9.67 min Scan# 927
Delta R.T. 0.05 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

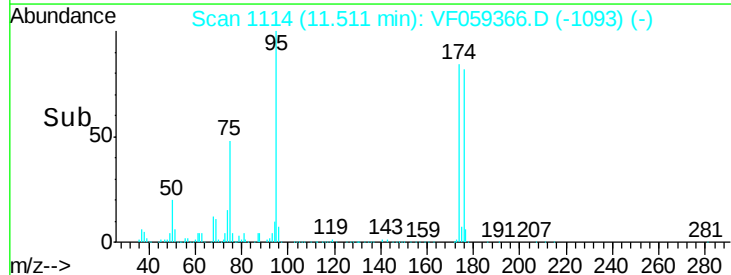
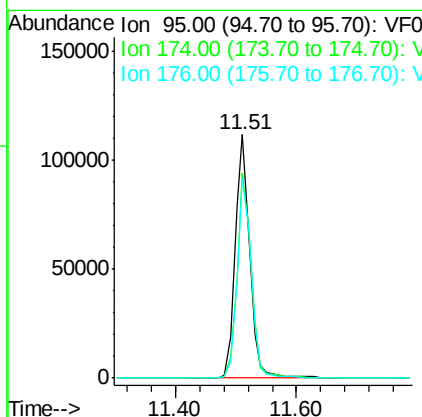
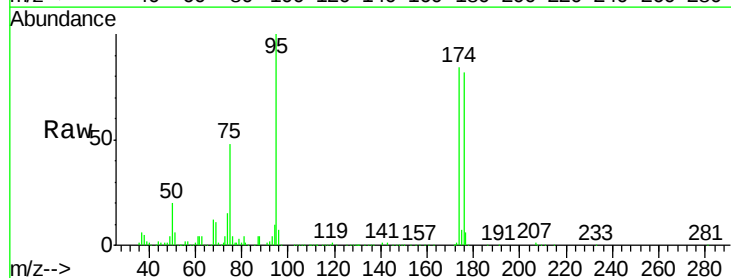
Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

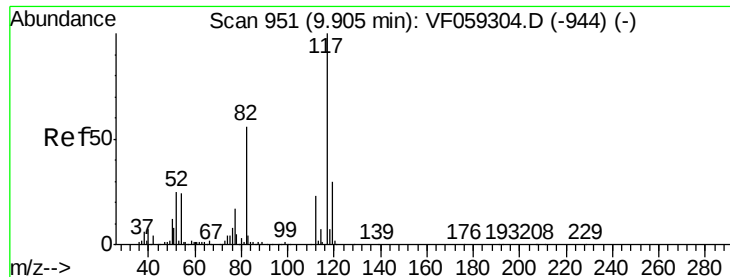
Tot Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: 44.15 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion: 95 Resp: 186926
Ion Ratio Lower Upper
95 100
174 84.3 0.0 165.2
176 82.0 0.0 161.0

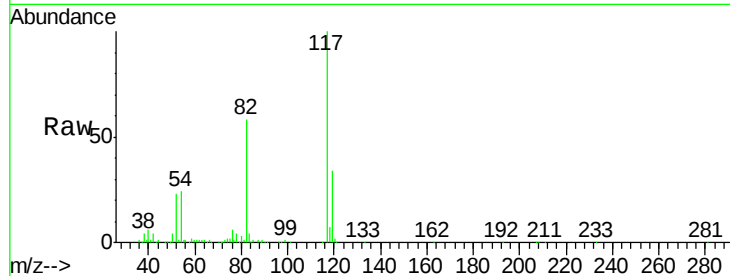




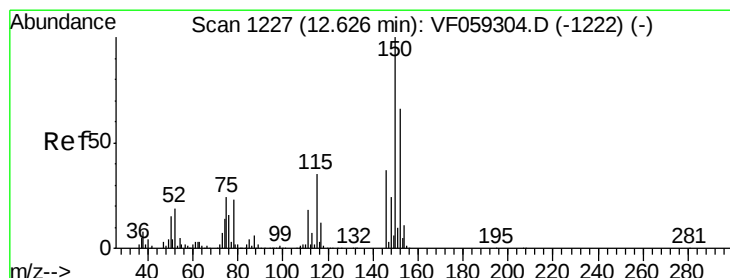
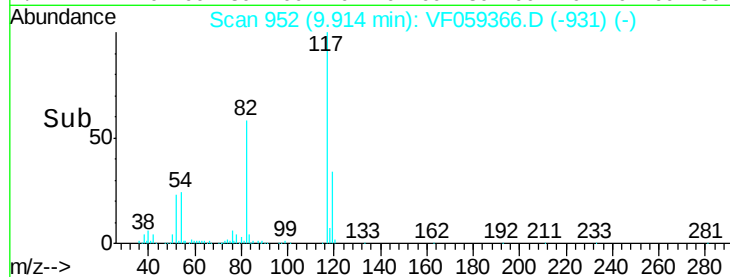
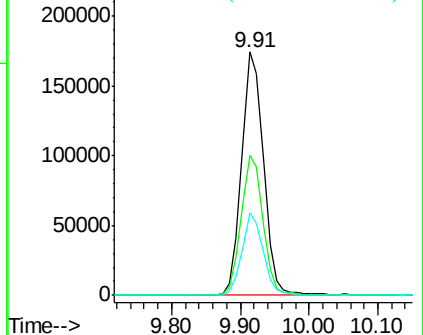
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Instrument :
MSVOA_F
ClientSampleId :
SS-SIDEWALK-CON

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	66.8
119	33.9	24.1	36.1

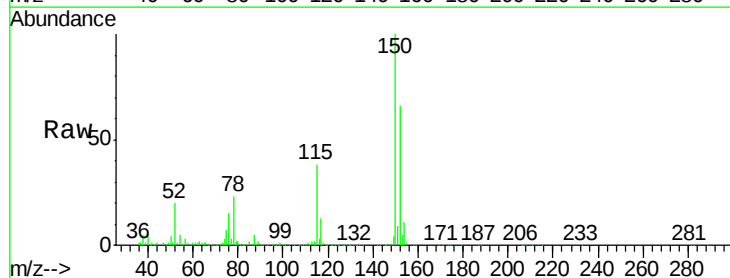


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

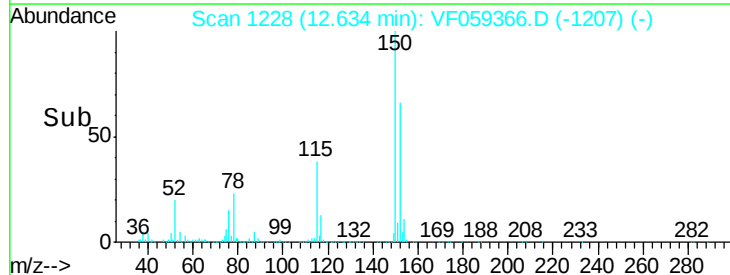
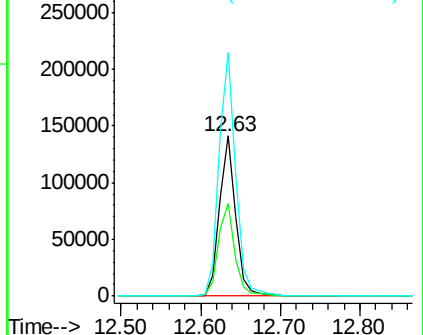


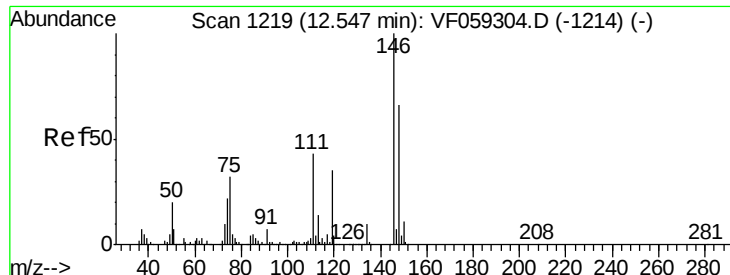
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059366.D
Acq: 28 Jun 2018 17:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.1	81.3
150	151.9	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: VF059366.D
 Acq: 28 Jun 2018 17:52

Instrument :
 MSVOA_F
 ClientSampleId :
 SS-SIDEWALK-CON

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	21.4	64.2
148	47.1	32.8	98.4

