

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059547.D
 Acq On : 19 Jul 2018 8:50
 Operator : VA/AP
 Sample : J4001-01
 Misc : 11.03g/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-02-0-2

Quant Time: Jul 19 14:40:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	217189	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	323033	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	282609	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	132596	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	139899	41.42	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.84%	
35) Dibromofluoromethane	4.28	113	118614	42.40	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	84.80%	
50) Toluene-d8	7.70	98	240055	34.06	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	68.12%	
62) 4-Bromofluorobenzene	11.51	95	113510	30.70	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	61.40%	

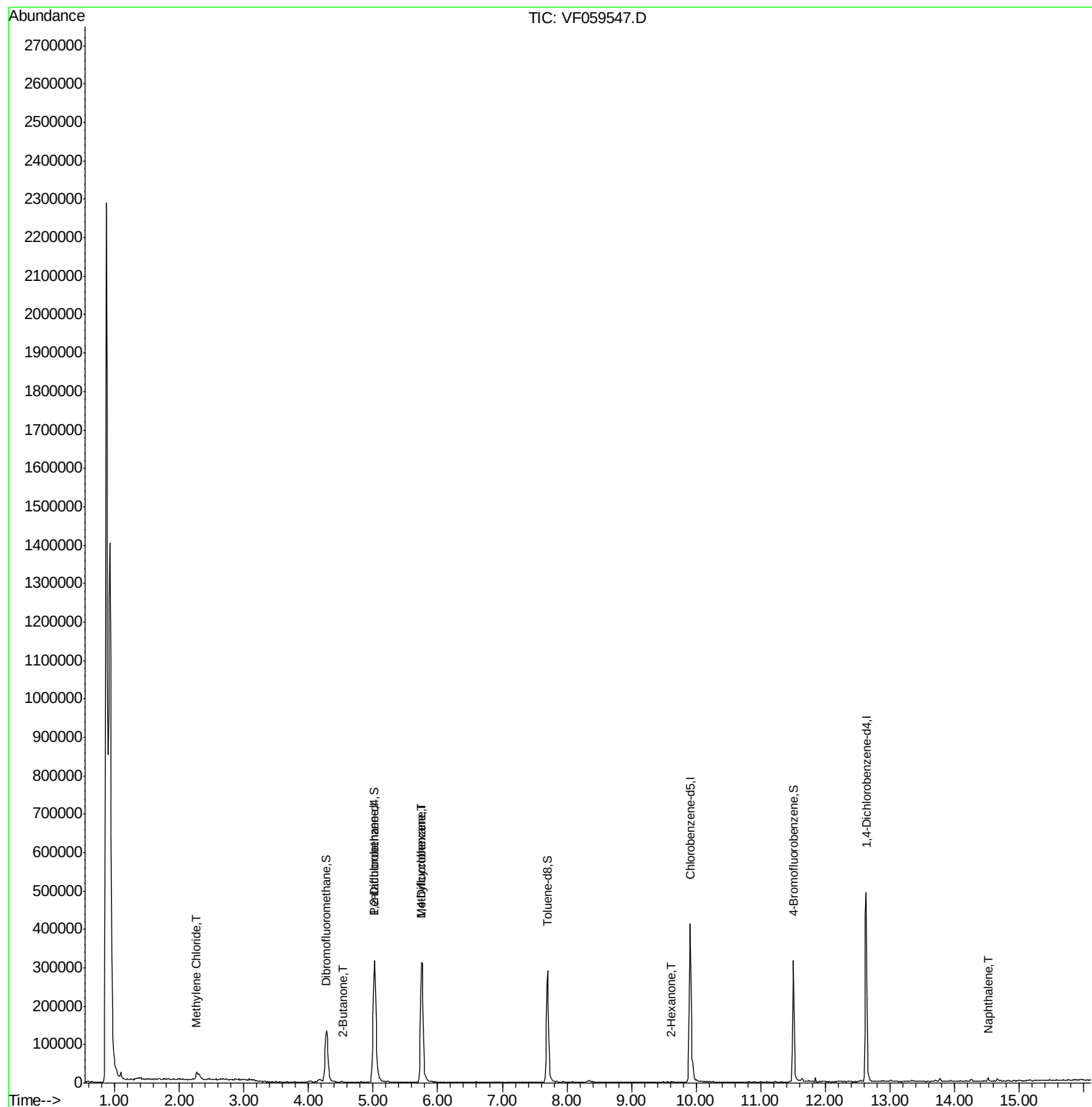
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	428	Below Cal	#	1
13) Acrolein	2.04	56	237	Below Cal		94
16) Acetone	2.33	43	2241	Below Cal	#	64
18) Methyl Acetate	2.43	43	1554	Below Cal	#	67
20) Methylene Chloride	2.27	84	14111	5.15	ug/l	# 85
25) 2-Butanone	4.52	43	928	1.18	ug/l	# 60
29) Tetrahydrofuran	4.28	42	201	Below Cal	#	64
37) Ethyl Acetate	4.27	43	664	Below Cal	#	41
39) Methylcyclohexane	5.75	83	5216	2.13	ug/l	# 35
49) 1,4-Dioxane	6.88	88	61	Below Cal	#	15
59) 2-Hexanone	9.62	43	2066	1.66	ug/l	# 80
95) Naphthalene	14.52	128	5437	1.12	ug/l	# 92

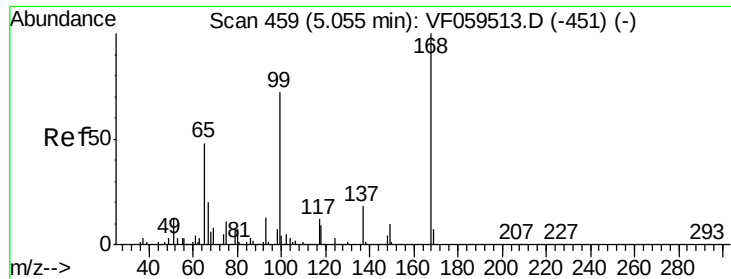
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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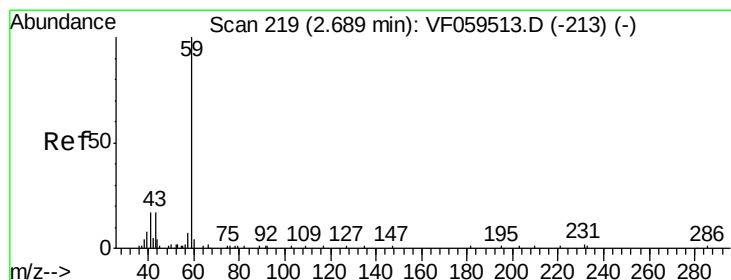
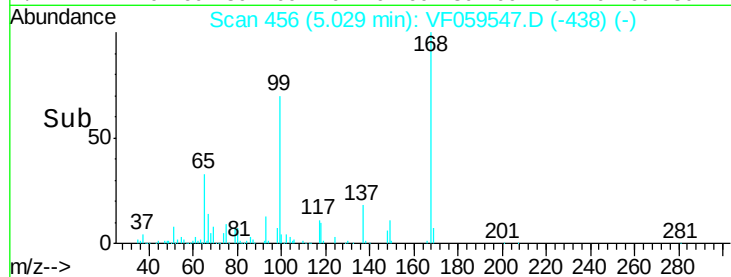
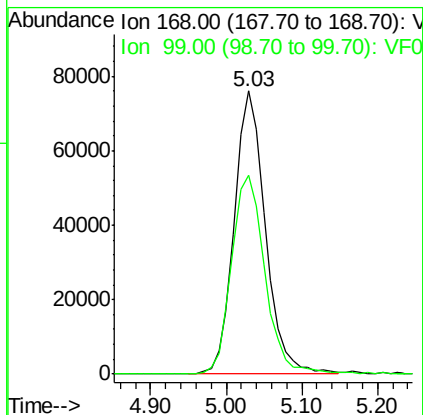
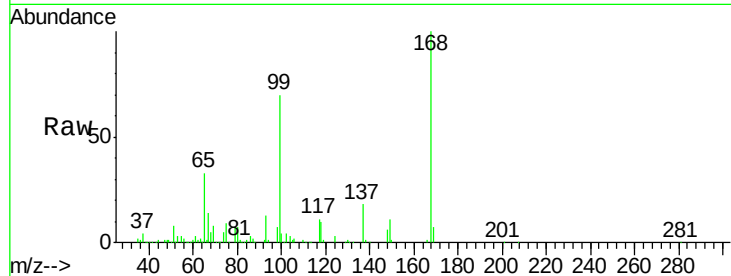


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF059547.D
 Acq: 19 Jul 2018 8:50

Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-02-0-2

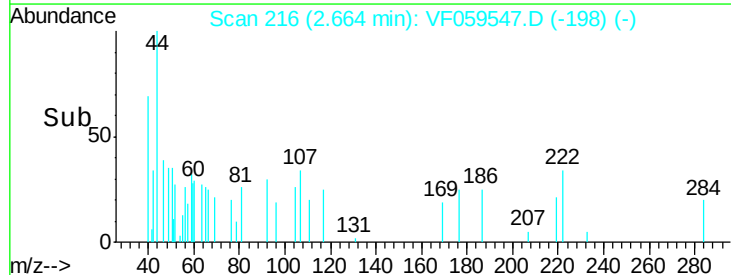
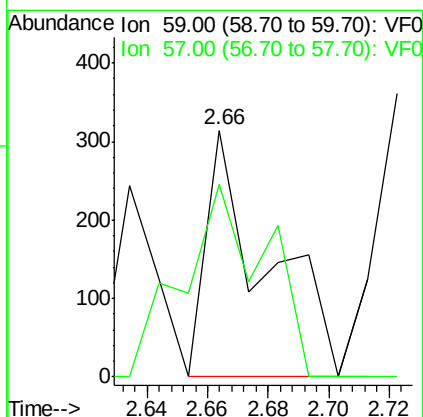
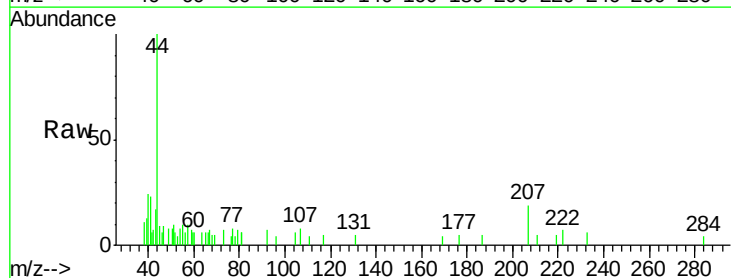
Tot Ion:168 Resp: 217189
 Ion Ratio Lower Upper
 168 100
 99 70.2 57.6 86.4

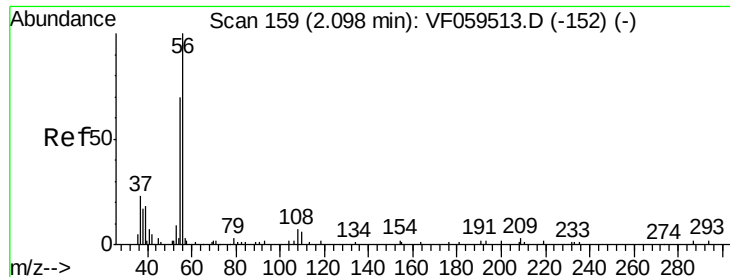


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.66 min Scan# 216
 Delta R.T. -0.03 min
 Lab File: VF059547.D
 Acq: 19 Jul 2018 8:50

Tgt Ion: 59 Resp: 428
 Ion Ratio Lower Upper
 59 100
 57 78.3 7.7 11.5#





#13

Acrolein

Concen: Below Cal

RT: 2.04 min Scan# 153

Delta R.T. -0.05 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Instrument :

MSVOA_F

ClientSampleId :

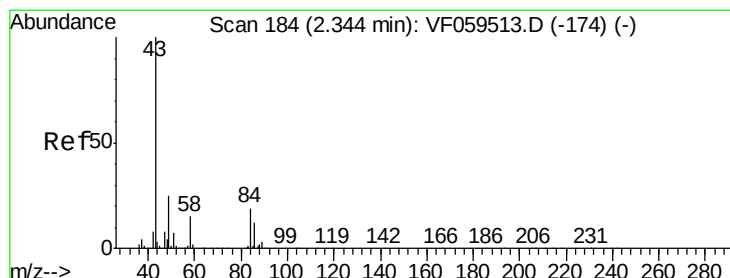
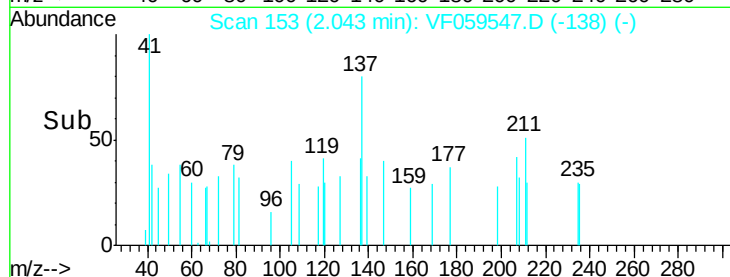
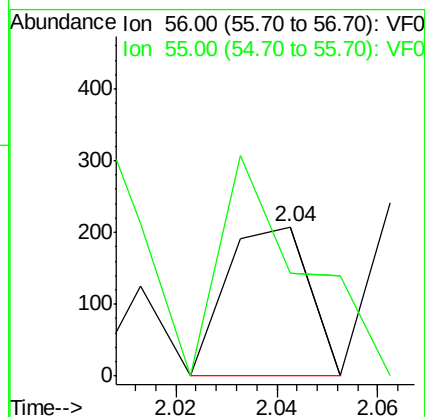
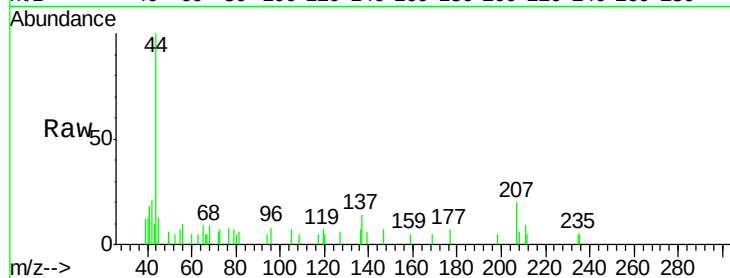
CON-SB-02-0-2

Tot Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 69.2 59.4 89.2



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059547.D

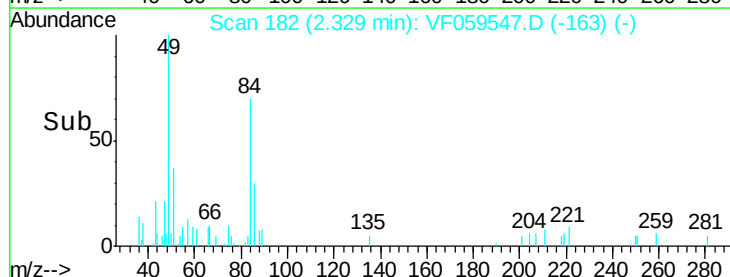
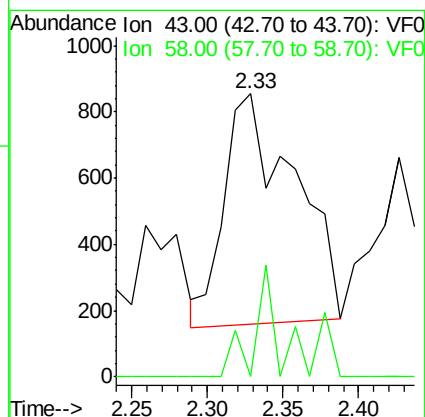
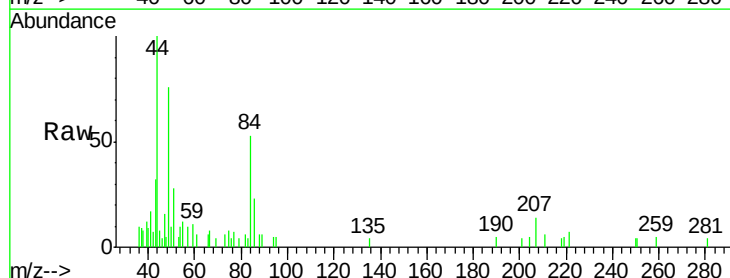
Acq: 19 Jul 2018 8:50

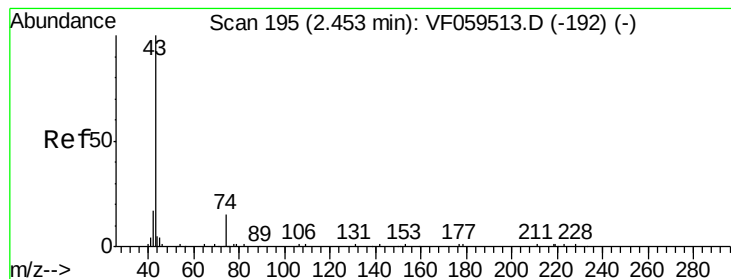
Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

58 0.0 11.8 17.6#





#18

Methvl Acetate

Concen: Below Cal

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Instrument :

MSVOA_F

ClientSampleId :

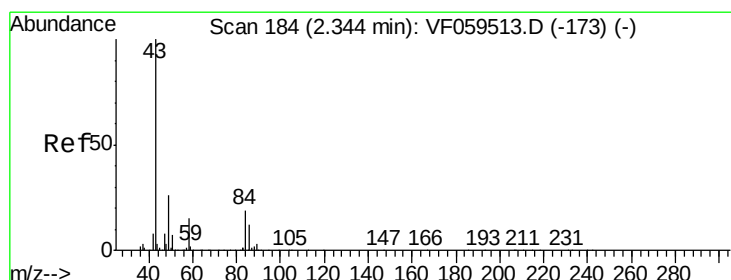
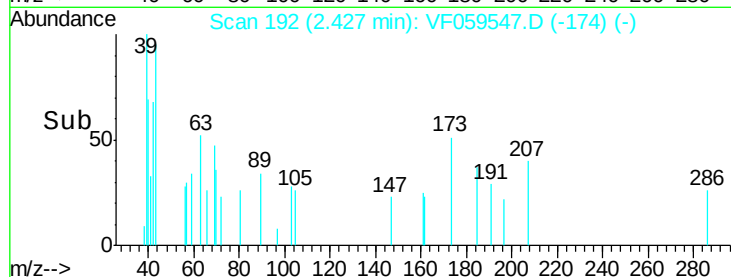
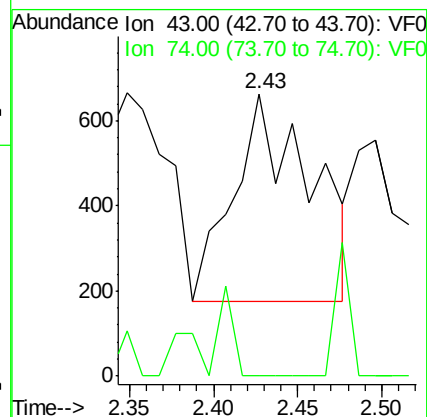
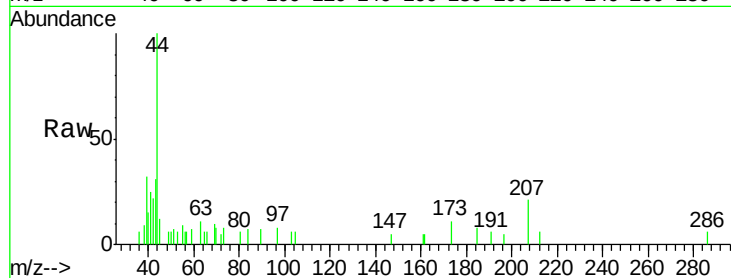
CON-SB-02-0-2

Tot Ion: 43 Resp: 1554

Ion Ratio Lower Upper

43 100

74 0.0 10.6 15.8#



#20

Methylene Chloride

Concen: 5.15 ug/l

RT: 2.27 min Scan# 176

Delta R.T. -0.07 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Tgt Ion: 84 Resp: 14111

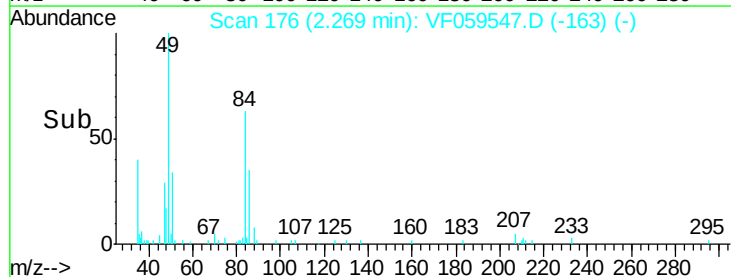
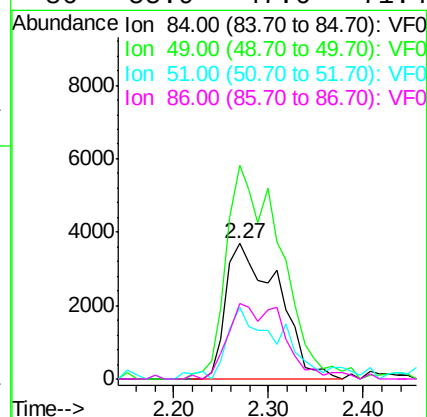
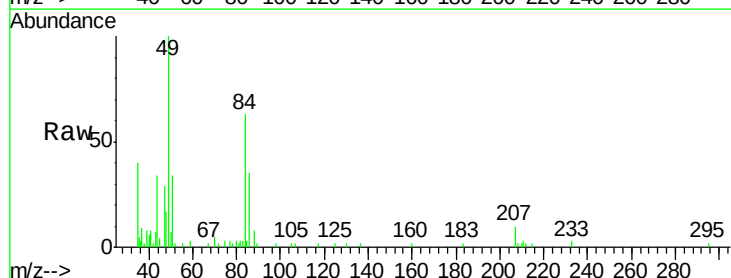
Ion Ratio Lower Upper

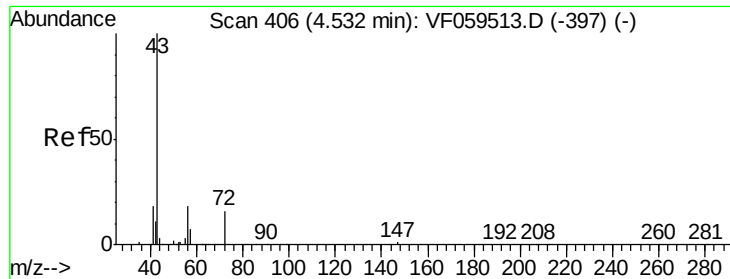
84 100

49 157.7 109.4 164.2

51 52.9 30.5 45.7#

86 55.9 47.6 71.4





#25

2-Butanone

Concen: 1.18 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Instrument :

MSVOA_F

ClientSampled :

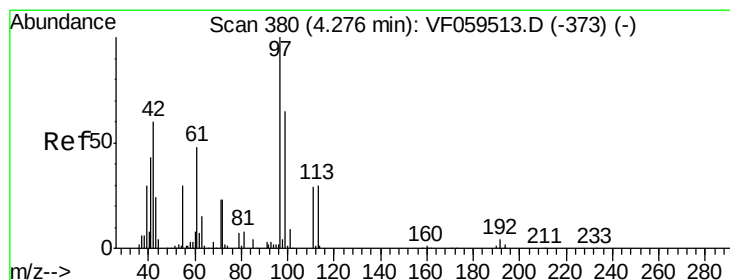
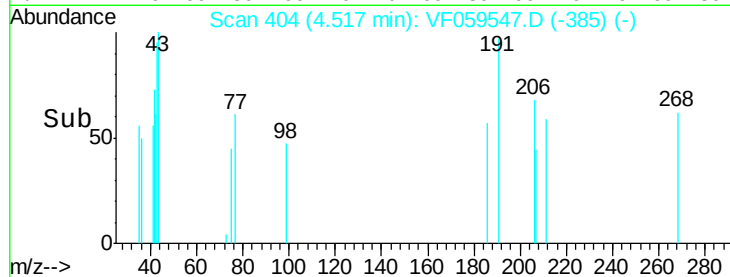
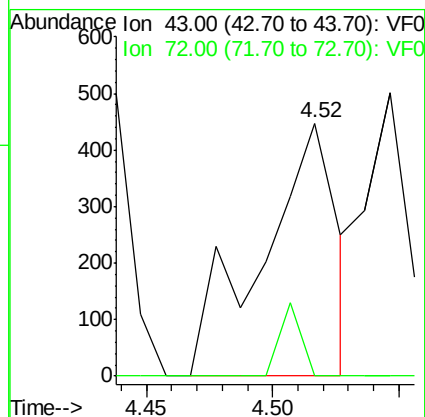
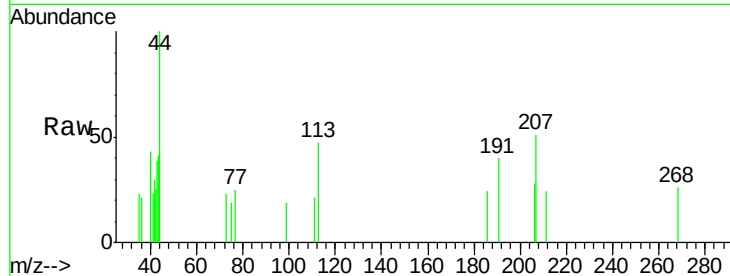
CON-SB-02-0-2

Tot Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

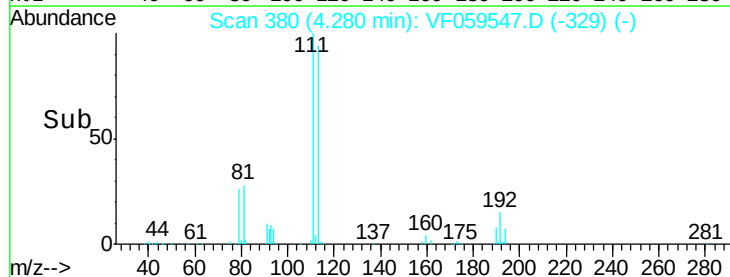
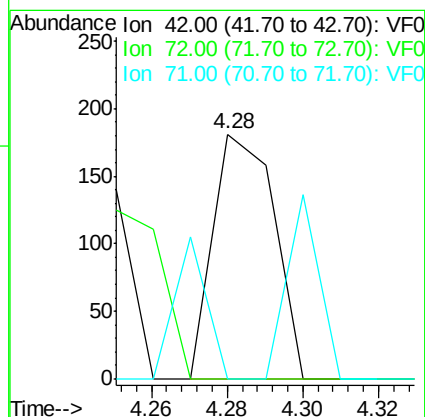
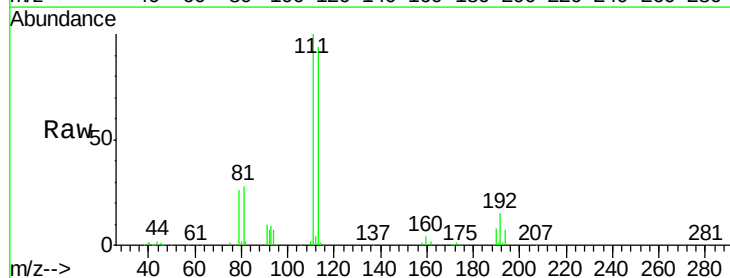
Tgt Ion: 42 Resp: 201

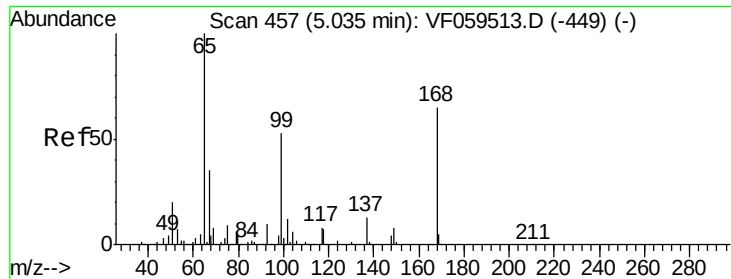
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 30.8 30.8 46.2

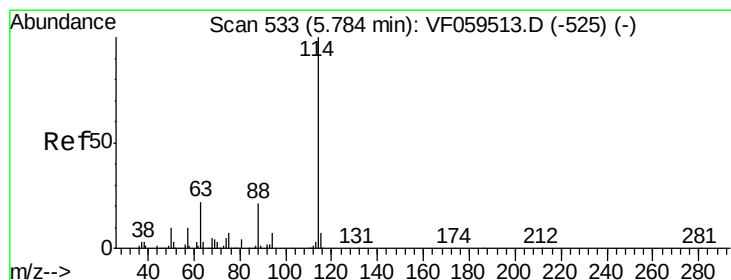
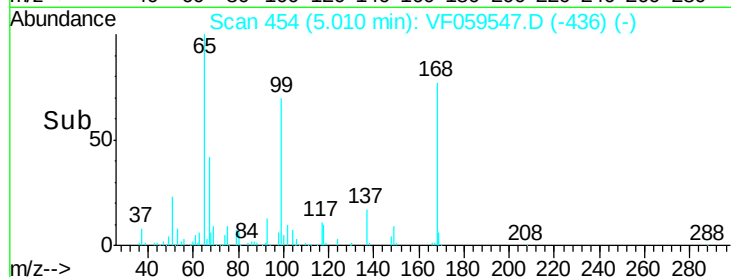
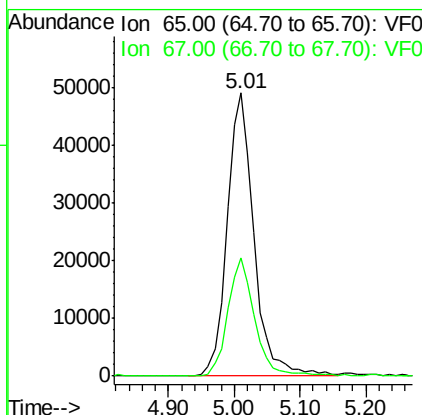
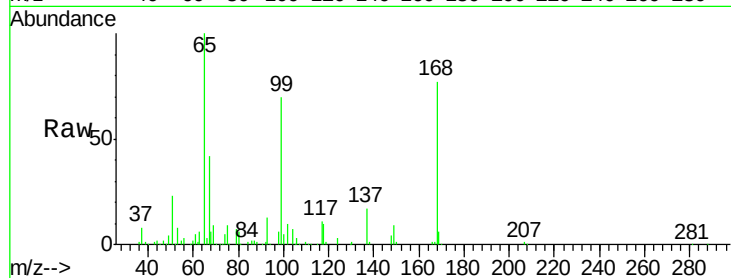




#33
 1,2-Dichloroethane-d4
 Concen: 41.42 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059547.D
 Acq: 19 Jul 2018 8:50

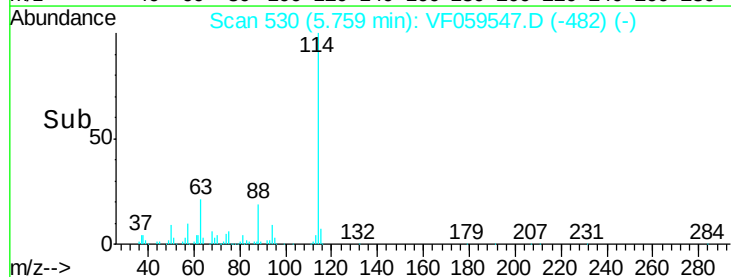
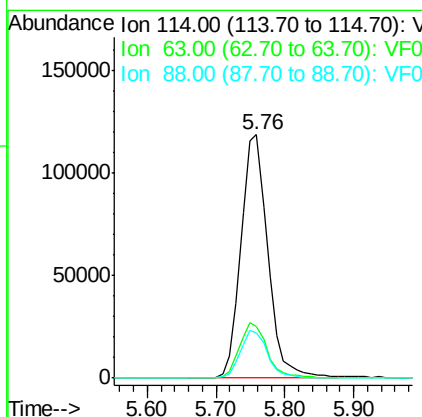
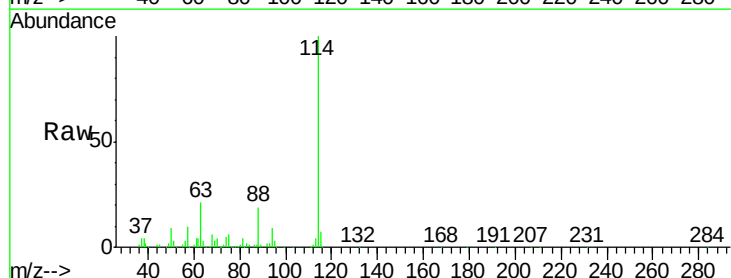
Instrument :
 MSVOA_F
 ClientSampleId :
 CON-SB-02-0-2

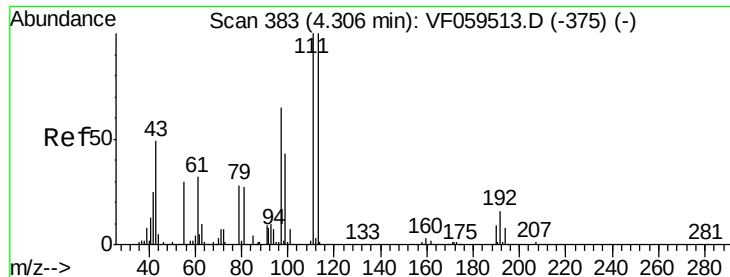
Tot Ion: 65 Resp: 139899
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059547.D
 Acq: 19 Jul 2018 8:50

Tgt Ion: 114 Resp: 323033
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.8
 88 18.6 0.0 42.6





#35

Dibromofluoromethane

Concen: 42.40 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-02-0-2

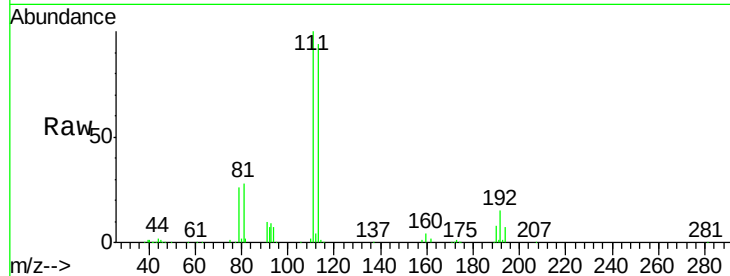
Tot Ion:113 Resp: 118614

Ion Ratio Lower Upper

113 100

111 106.0 80.3 120.5

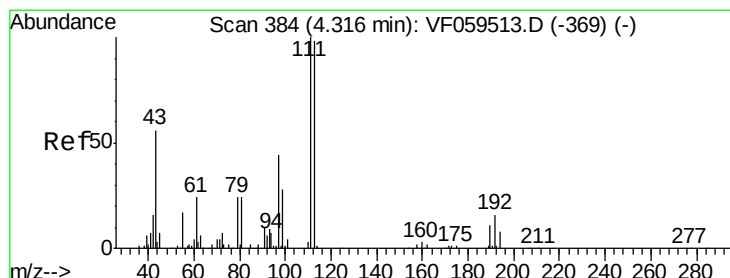
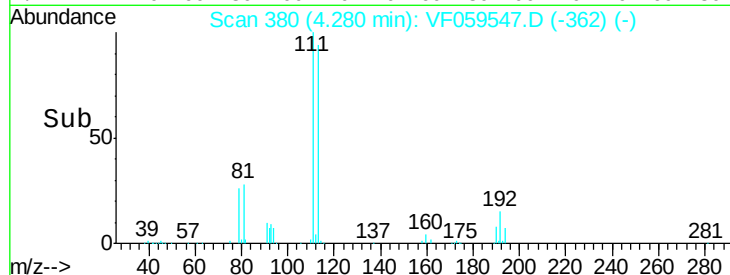
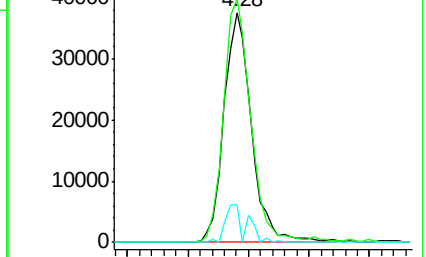
192 16.4 13.1 19.7



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. -0.04 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

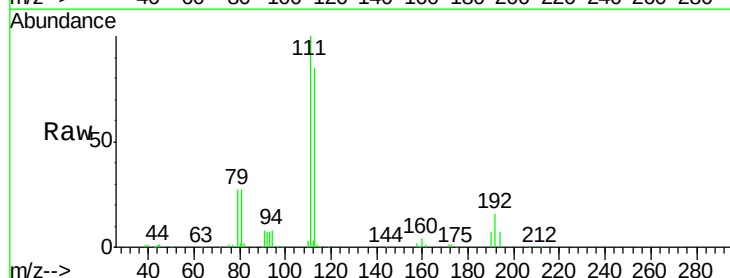
Tgt Ion: 43 Resp: 664

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

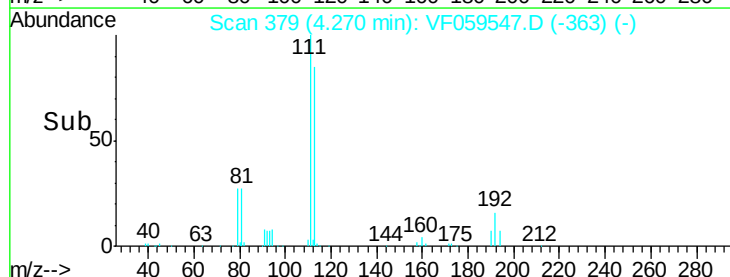
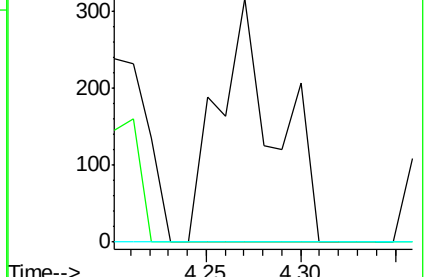
70 0.0 7.4 11.0#

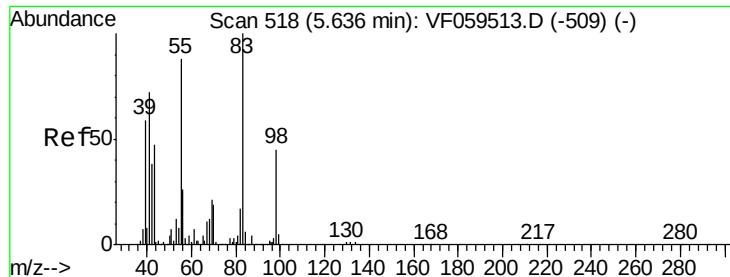


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

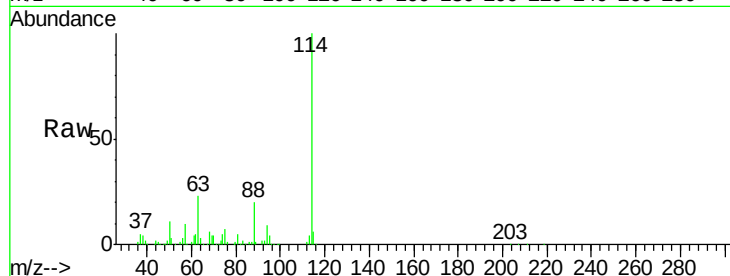




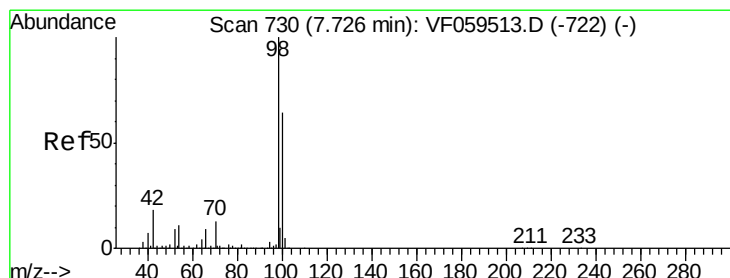
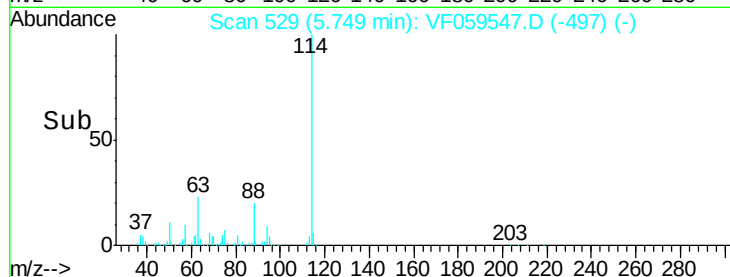
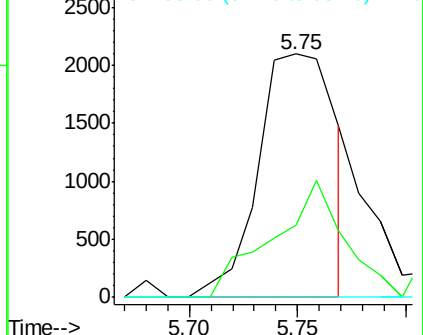
#39
Methylcyclohexane
Concen: 2.13 ug/l
RT: 5.75 min Scan# 529
Delta R.T. 0.11 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-02-0-2

Tot Ion: 83 Resp: 5216
Ion Ratio Lower Upper
83 100
55 29.7 70.2 105.4#
98 0.0 36.2 54.2#

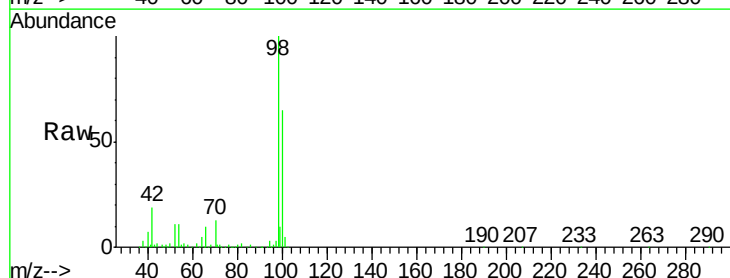


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

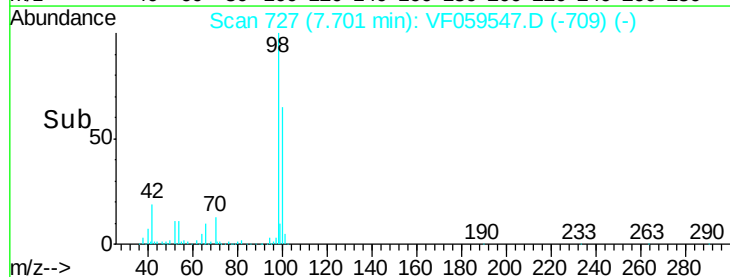
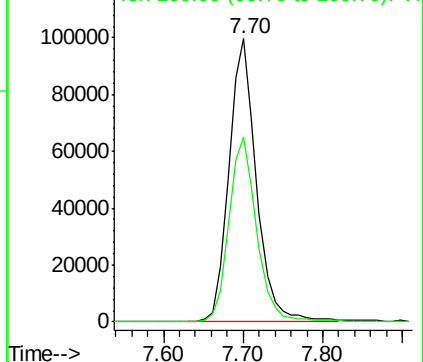


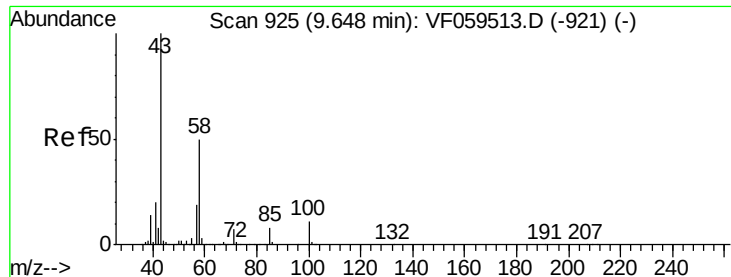
#50
Toluene-d8
Concen: 34.06 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

Tgt Ion: 98 Resp: 240055
Ion Ratio Lower Upper
98 100
100 65.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

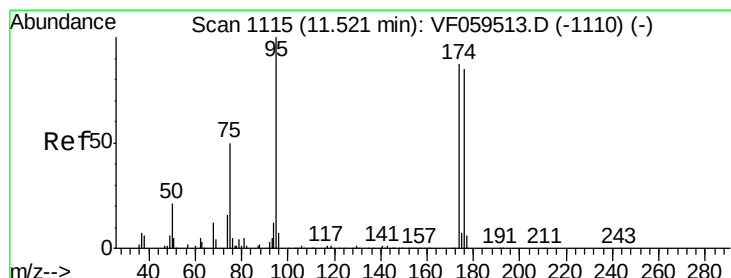
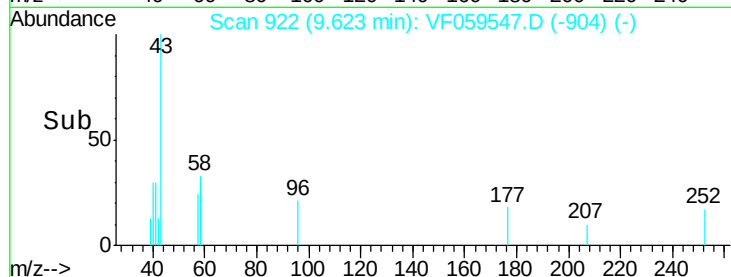
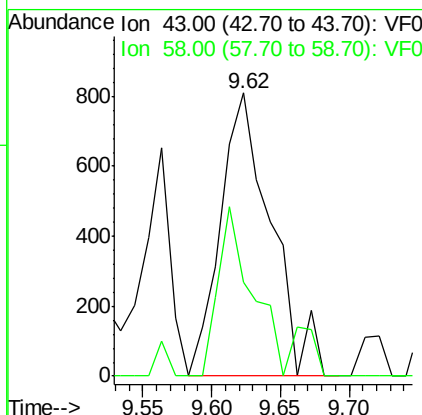
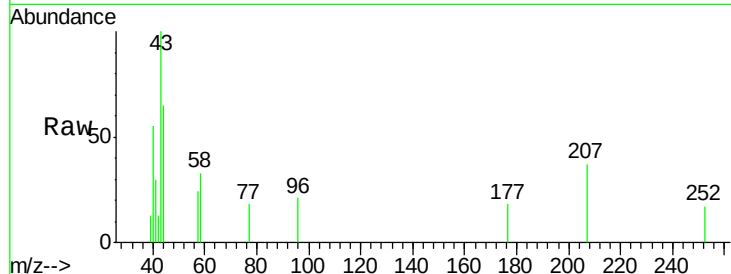




#59
2-Hexanone
Concen: 1.66 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

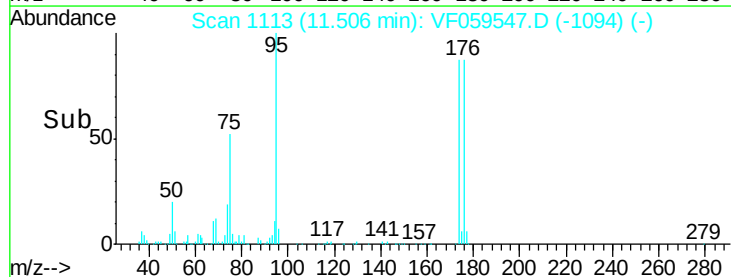
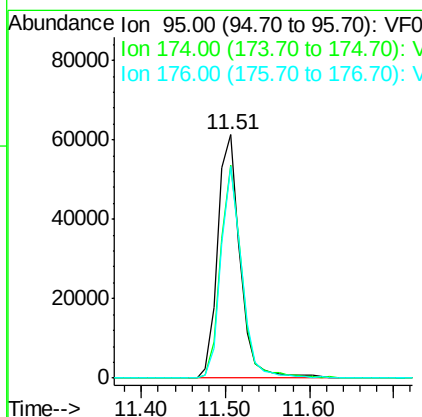
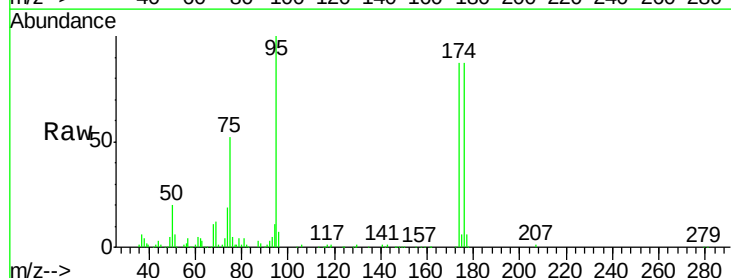
Instrument :
MSVOA_F
ClientSampleId :
CON-SB-02-0-2

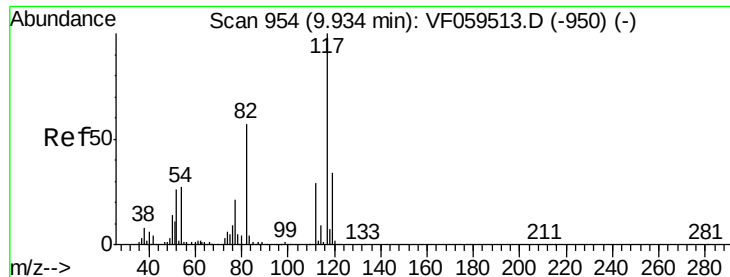
Tot Ion: 43 Resp: 2066
Ion Ratio Lower Upper
43 100
58 33.0 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 30.70 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

Tgt Ion: 95 Resp: 113510
Ion Ratio Lower Upper
95 100
174 87.3 0.0 174.4
176 87.0 0.0 169.4

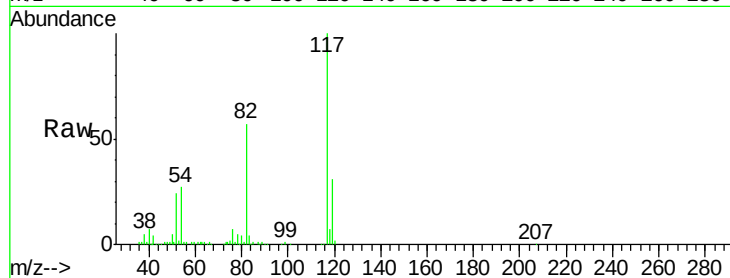




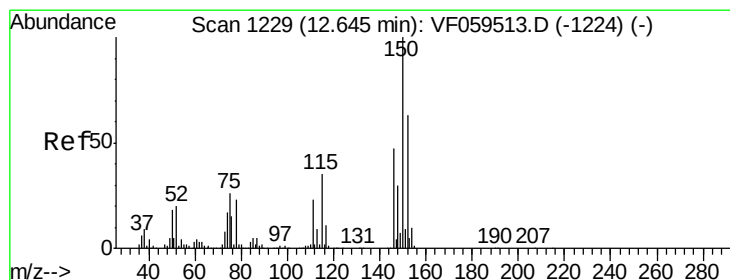
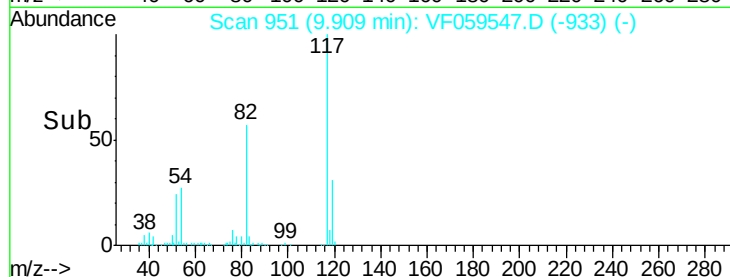
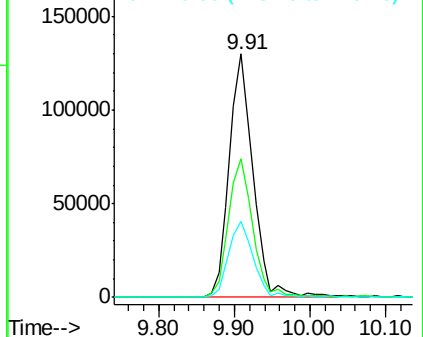
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

Instrument :
MSVOA_F
ClientSampleId :
CON-SB-02-0-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.1	69.1
119	31.0	27.2	40.8

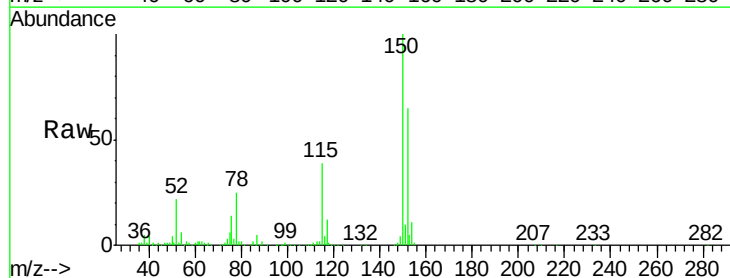


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

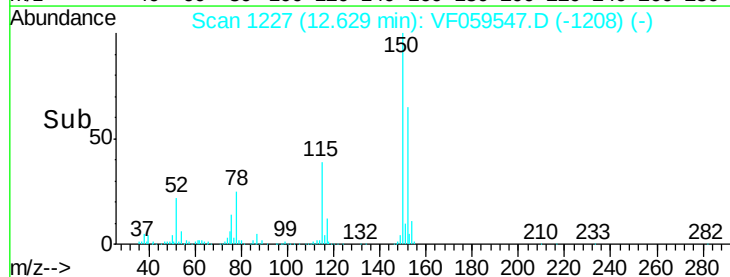
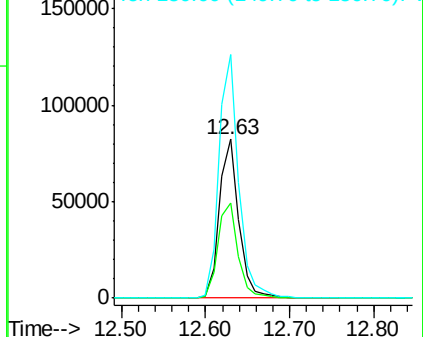


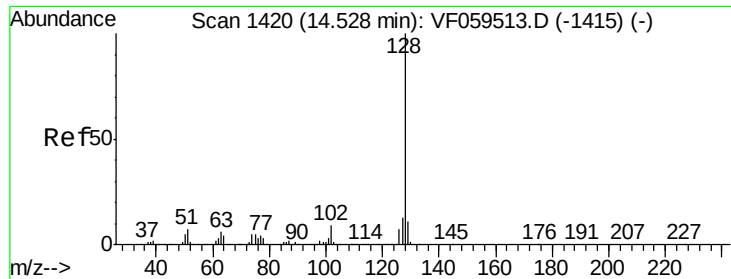
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059547.D
Acq: 19 Jul 2018 8:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	27.8	83.3
150	153.6	0.0	318.4



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





#95

Naphthalene

Concen: 1.12 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059547.D

Acq: 19 Jul 2018 8:50

Instrument :

MSVOA_F

ClientSampleId :

CON-SB-02-0-2

Tot Ion:128 Resp: 5437

Ion Ratio Lower Upper

128 100

127 10.1 10.2 15.2#

129 14.7 9.0 13.4#

