

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059529.D
 Acq On : 18 Jul 2018 23:05
 Operator : VA/AP
 Sample : J4035-01
 Misc : 5.01g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:36:22 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	240592	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.75	114	364312	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	365779	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.63	152	220079	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	184670	49.35	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	98.70%	
35) Dibromofluoromethane	4.27	113	161307	51.12	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	102.24%	
50) Toluene-d8	7.69	98	348486	43.85	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	87.70%	
62) 4-Bromofluorobenzene	11.51	95	189657	45.49	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	90.98%	

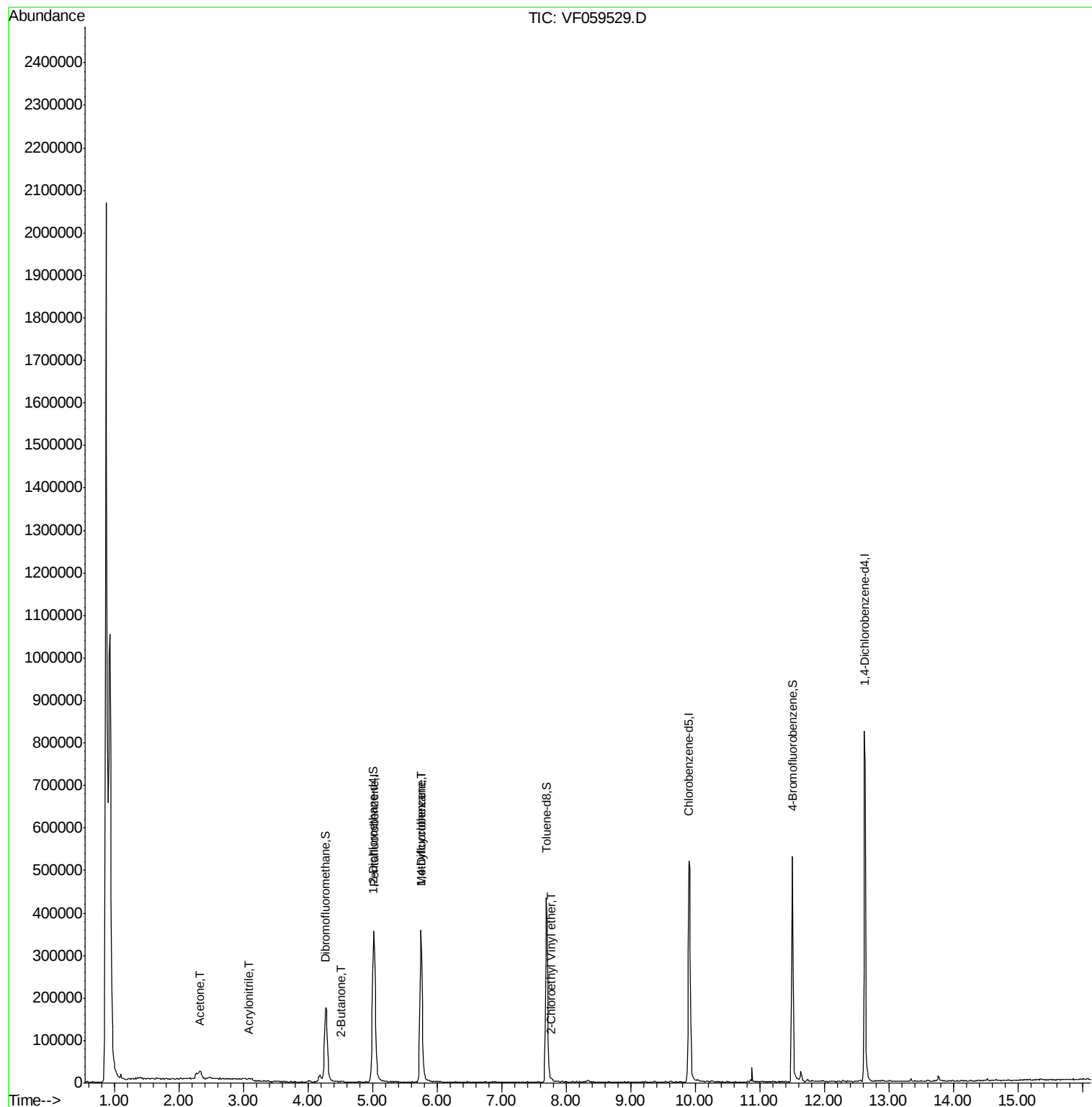
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.66	59	674	Below Cal	#	74
13) Acrolein	2.20	56	355	Below Cal		84
15) Acrylonitrile	3.07	53	340	1.083	ug/l #	20
16) Acetone	2.33	43	23004	15.284	ug/l	97
18) Methyl Acetate	2.43	43	663	Below Cal	#	67
20) Methylene Chloride	2.31	84	5288	Below Cal	#	75
25) 2-Butanone	4.51	43	997	1.148	ug/l #	60
29) Tetrahydrofuran	4.23	42	258	Below Cal	#	38
37) Ethyl Acetate	4.28	43	622	Below Cal	#	41
39) Methylcyclohexane	5.74	83	4844	1.750	ug/l #	35
49) 1,4-Dioxane	6.87	88	73	Below Cal	#	15
58) 2-Chloroethyl Vinyl ether	7.78	63	407	1.870	ug/l	100

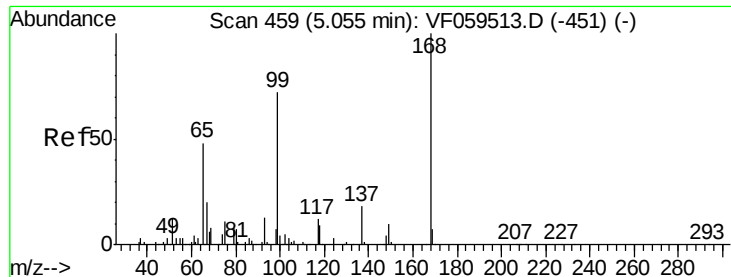
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

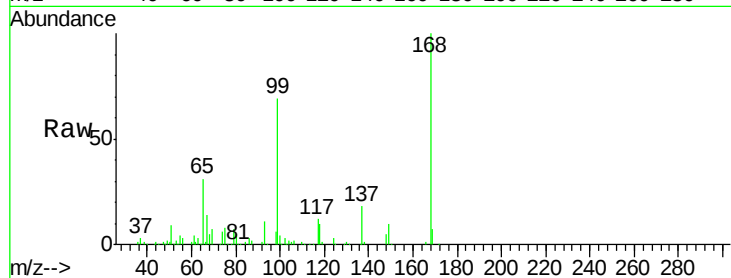
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 240592

Ion Ratio Lower Upper

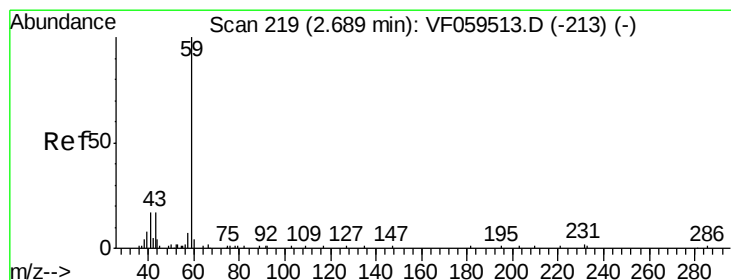
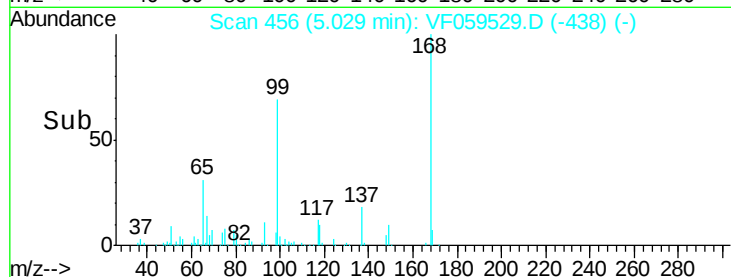
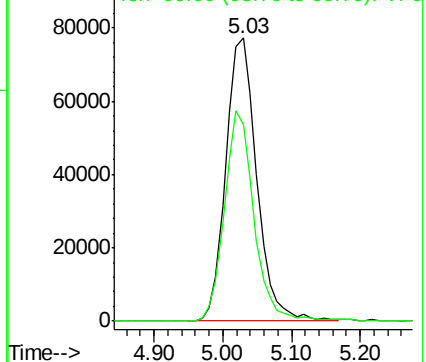
168 100

99 69.5 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.66 min Scan# 216

Delta R.T. -0.03 min

Lab File: VF059529.D

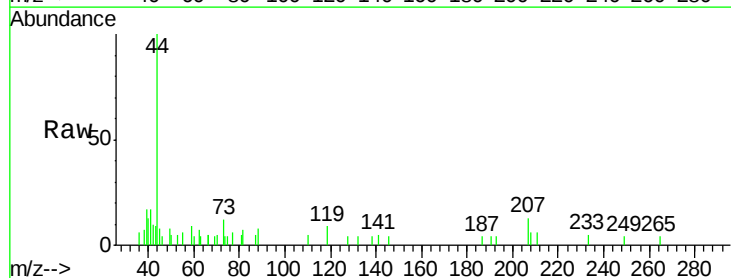
Acq: 18 Jul 2018 23:05

Tgt Ion: 59 Resp: 674

Ion Ratio Lower Upper

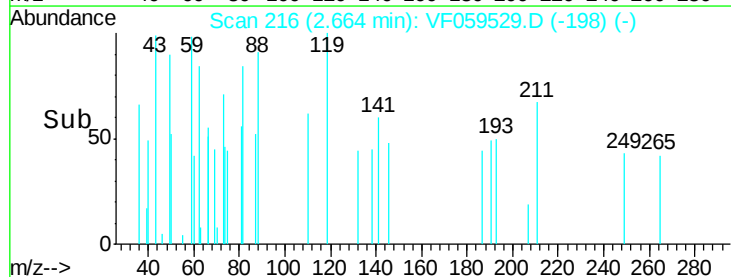
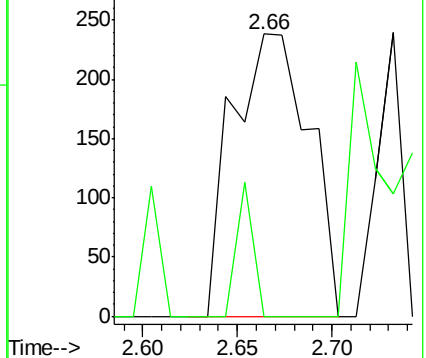
59 100

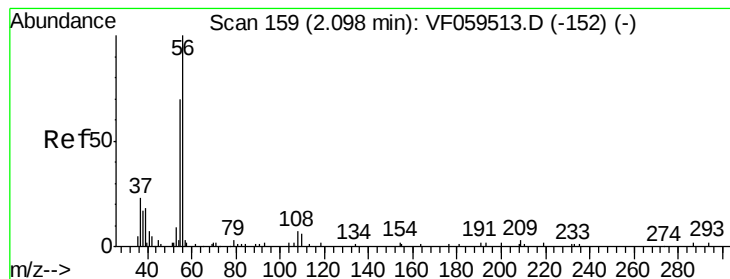
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 169

Delta R.T. 0.10 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

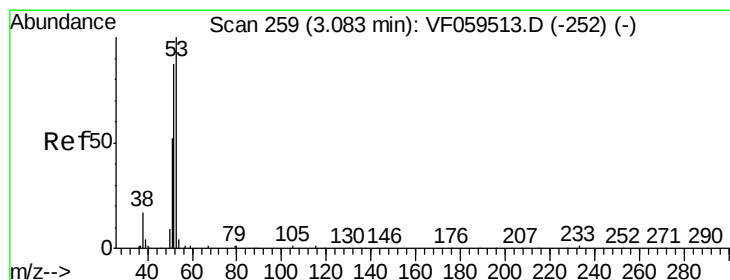
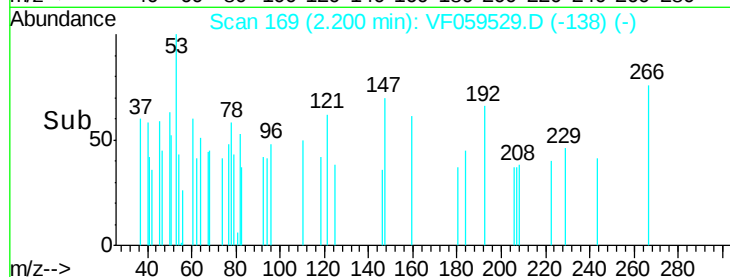
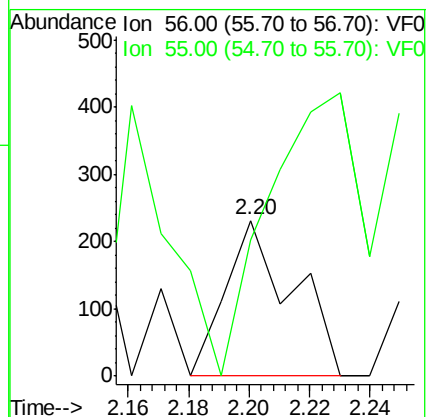
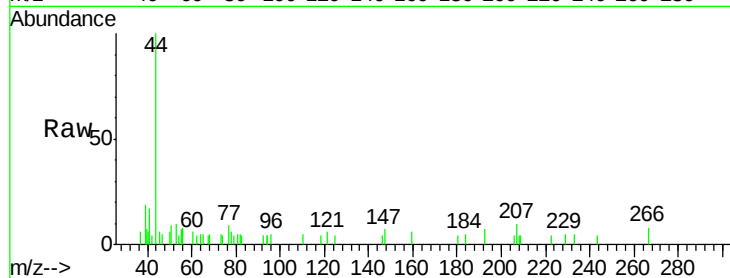
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 355

Ion Ratio Lower Upper

56 100

55 87.4 59.4 89.2



#15

Acrylonitrile

Concen: 1.083 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

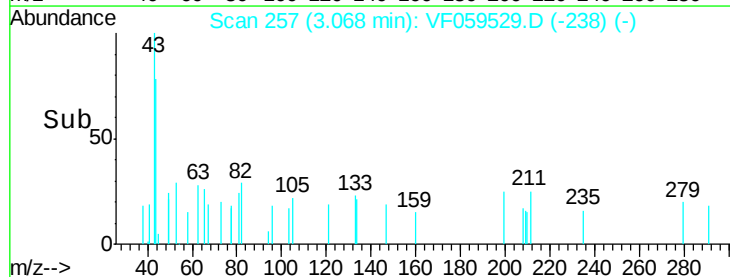
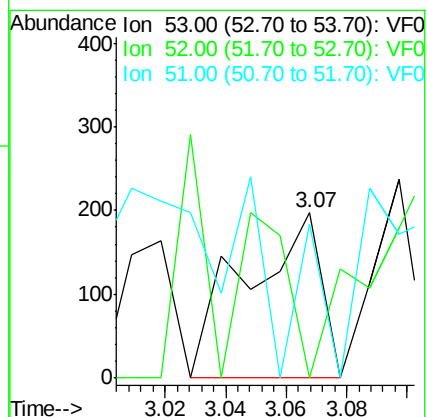
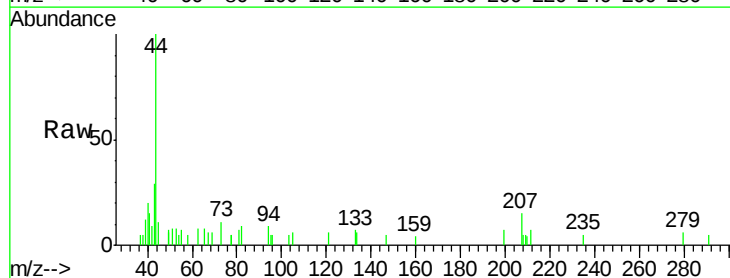
Tgt Ion: 53 Resp: 340

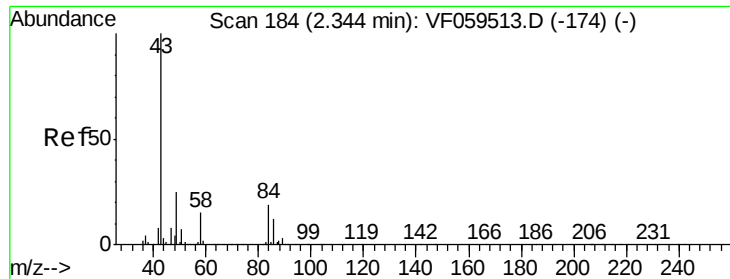
Ion Ratio Lower Upper

53 100

52 0.0 70.1 105.1#

51 92.9 42.5 63.7#

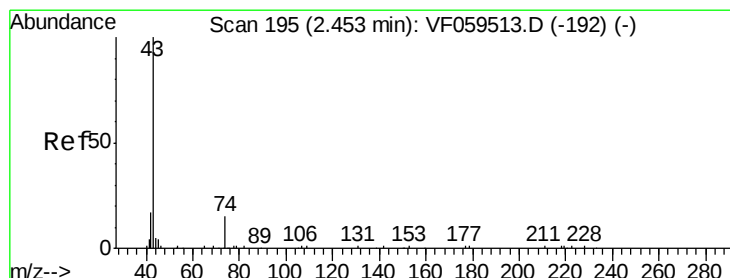
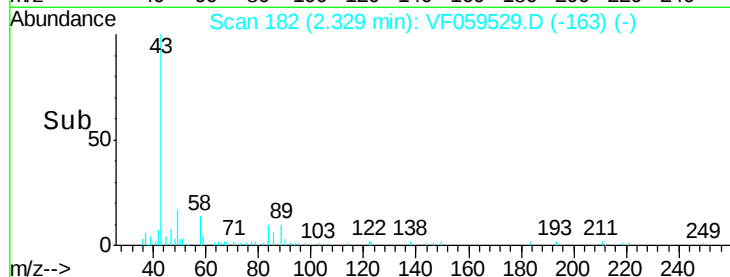
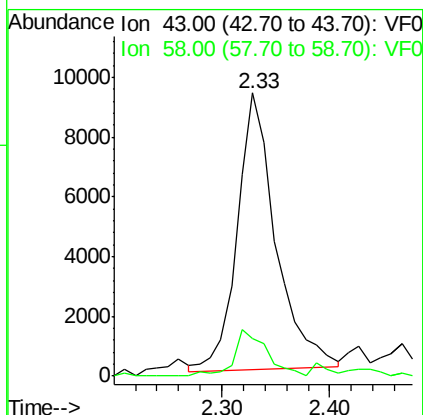
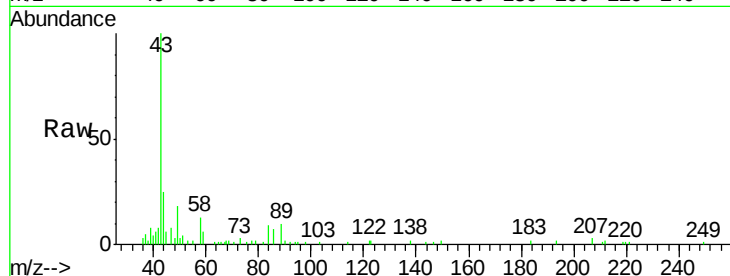




#16
Acetone
Concen: 15.284 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

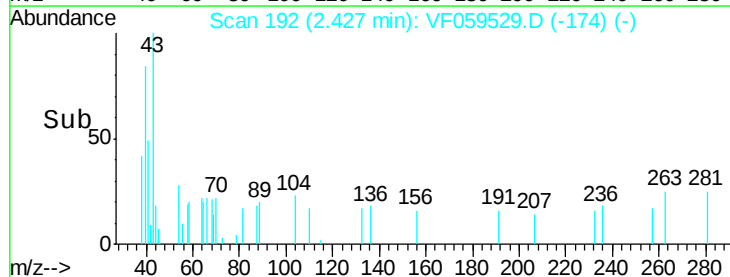
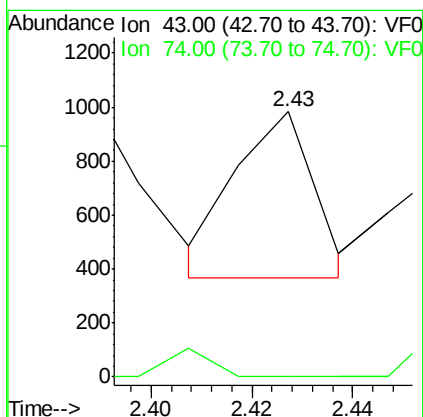
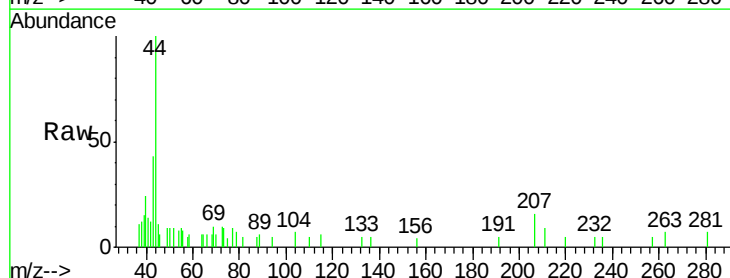
Instrument :
MSVOA_F
ClientSampleId :

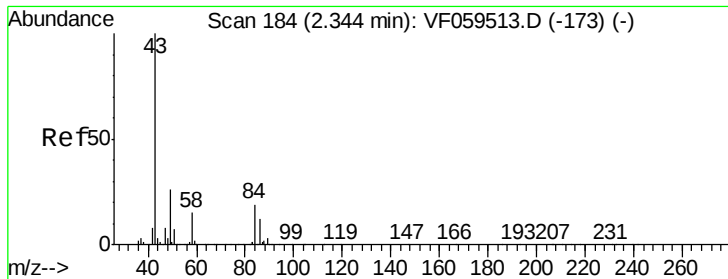
Tot Ion: 43 Resp: 23004
Ion Ratio Lower Upper
43 100
58 13.3 11.8 17.6



#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#

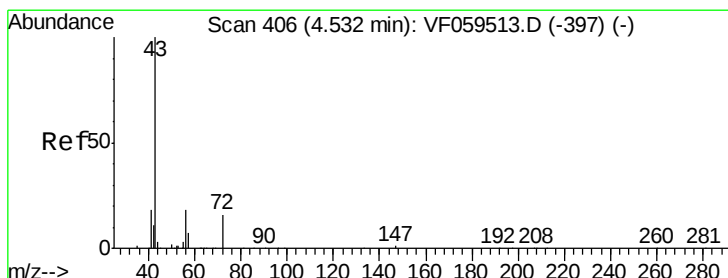
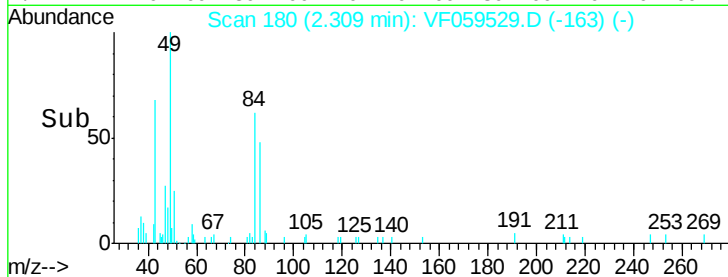
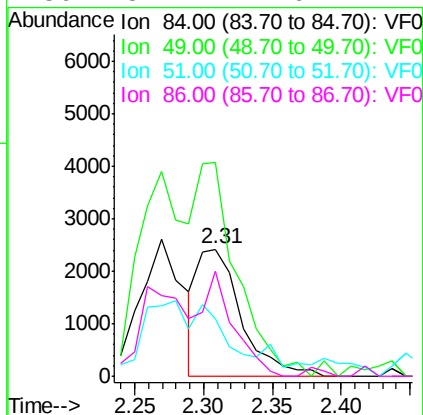
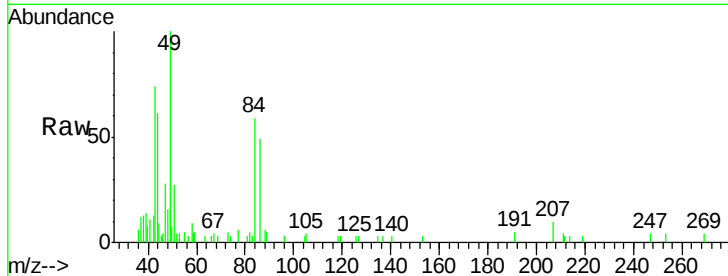




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. -0.04 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

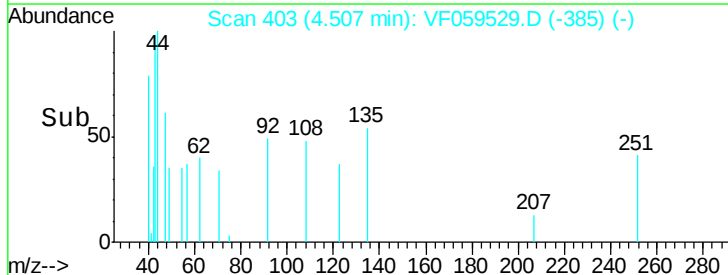
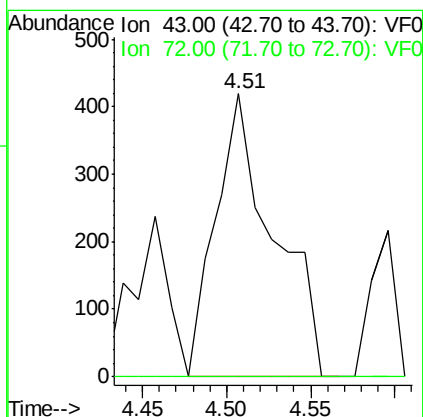
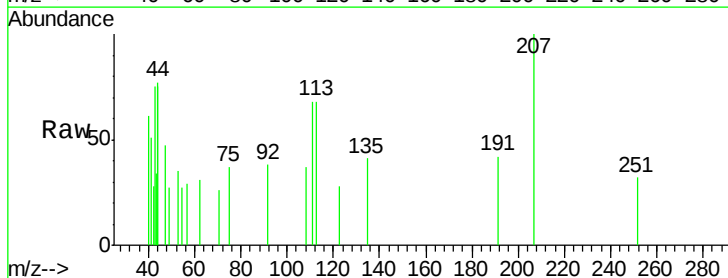
Instrument :
MSVOA_F
ClientSampleId :

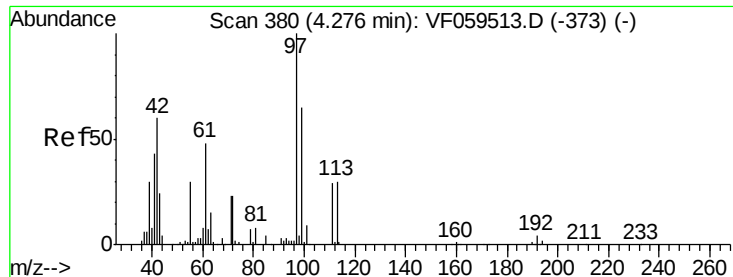
Tot Ion: 84 Resp: 5288
Ion Ratio Lower Upper
84 100
49 168.3 109.4 164.2#
51 45.3 30.5 45.7
86 82.4 47.6 71.4#



#25
2-Butanone
Concen: 1.148 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#

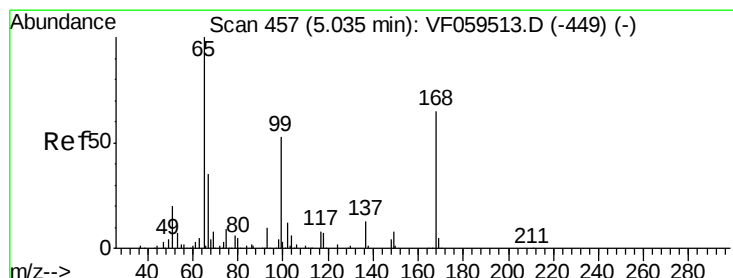
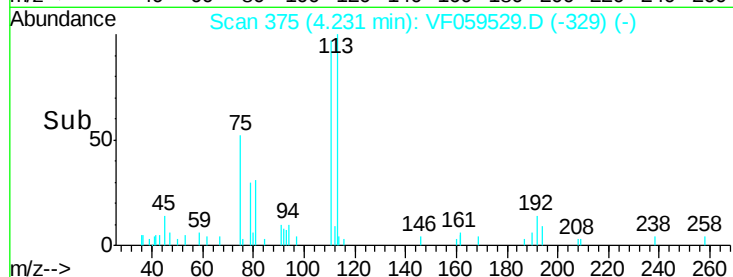
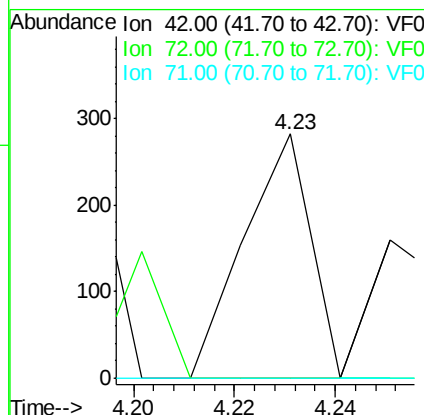
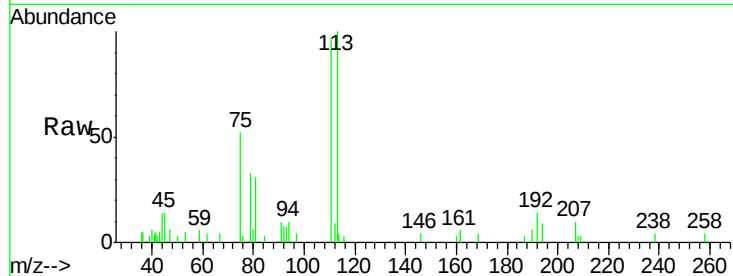




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

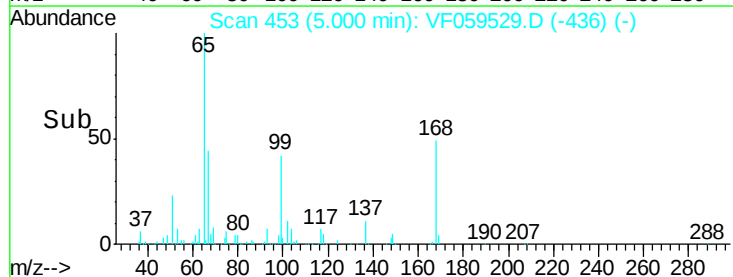
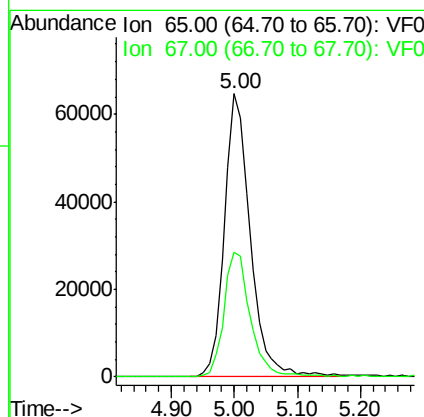
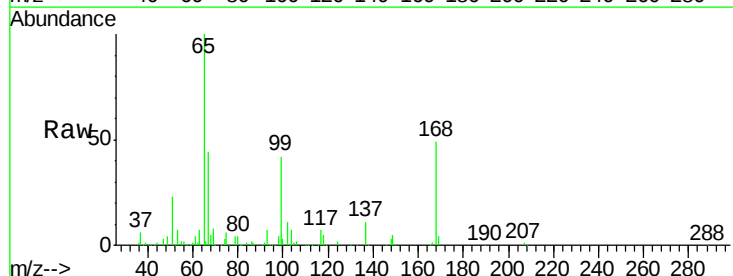
Instrument :
MSVOA_F
ClientSampleId :

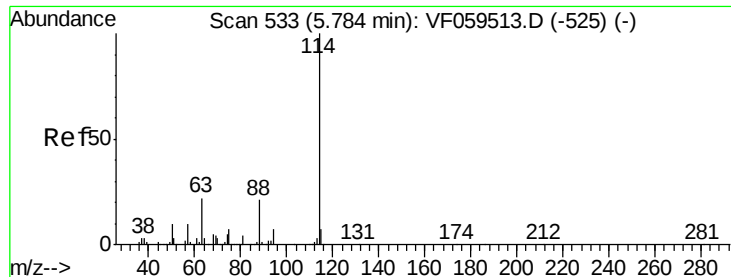
Tot Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#



#33
1,2-Dichloroethane-d4
Concen: 49.353 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.04 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

Tgt Ion: 65 Resp: 184670
Ion Ratio Lower Upper
65 100
67 43.9 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

Instrument :

MSVOA_F

ClientSampleId :

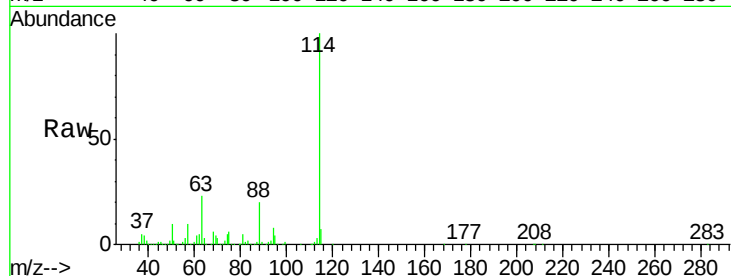
Tot Ion:114 Resp: 364312

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.8

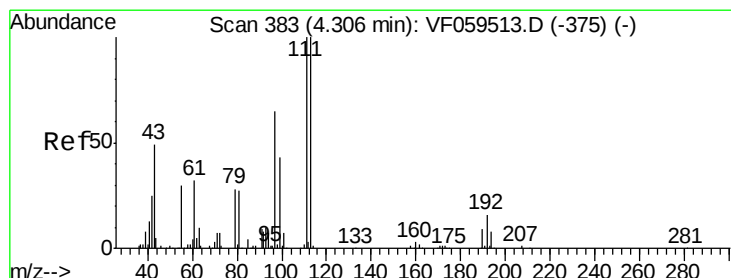
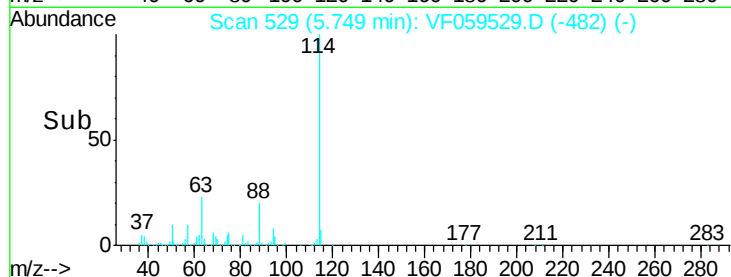
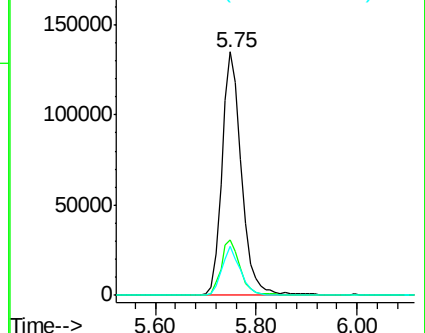
88 20.2 0.0 42.6



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: 51.124 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

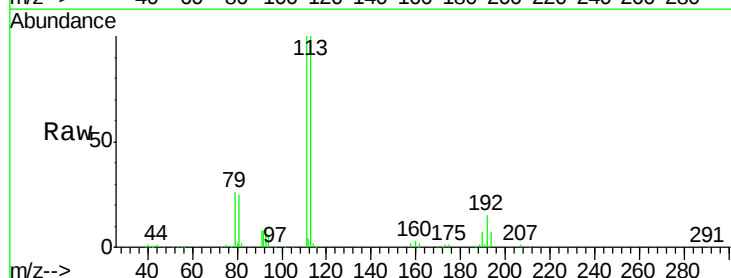
Tgt Ion:113 Resp: 161307

Ion Ratio Lower Upper

113 100

111 100.1 80.3 120.5

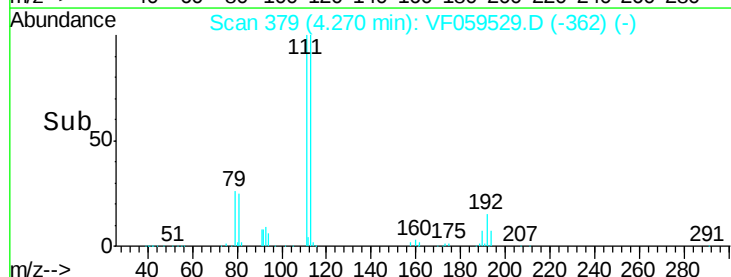
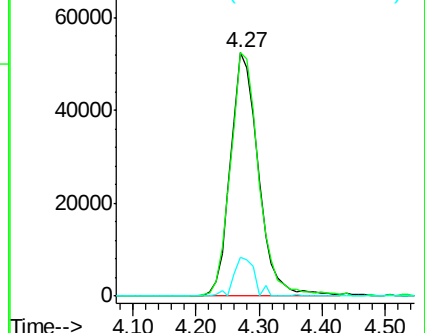
192 15.7 13.1 19.7

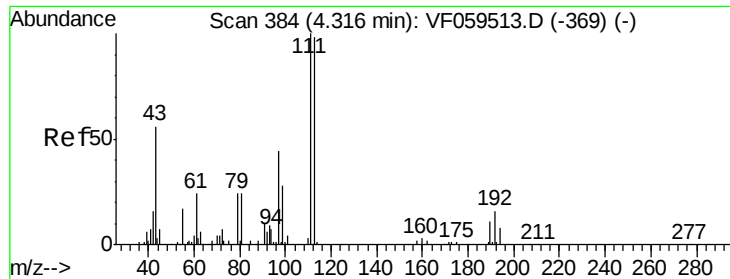


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

Instrument :

MSVOA_F

ClientSampleId :

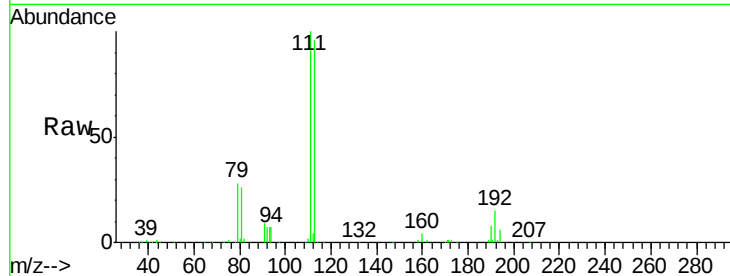
Tot Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

61 0.0 33.7 50.5#

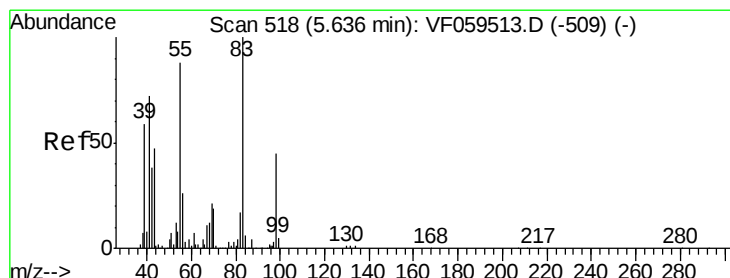
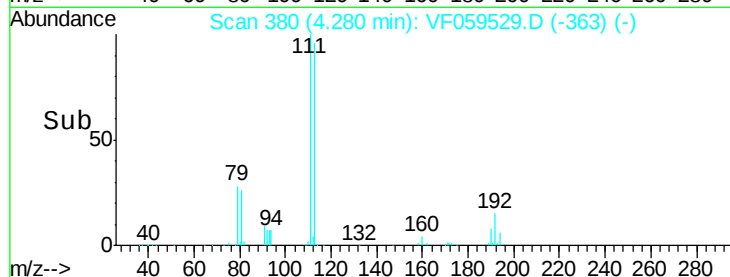
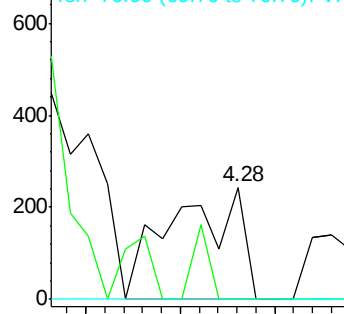
70 0.0 7.4 11.0#



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: 1.750 ug/l

RT: 5.74 min Scan# 528

Delta R.T. 0.10 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

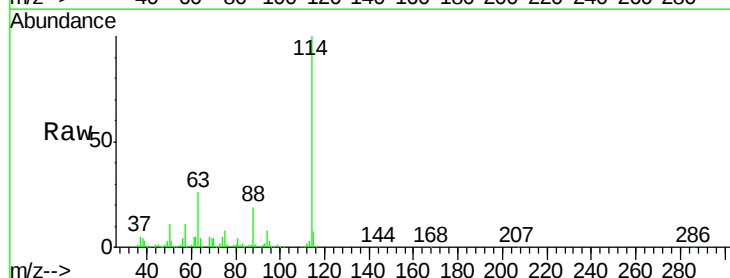
Tgt Ion: 83 Resp: 4844

Ion Ratio Lower Upper

83 100

55 29.2 70.2 105.4#

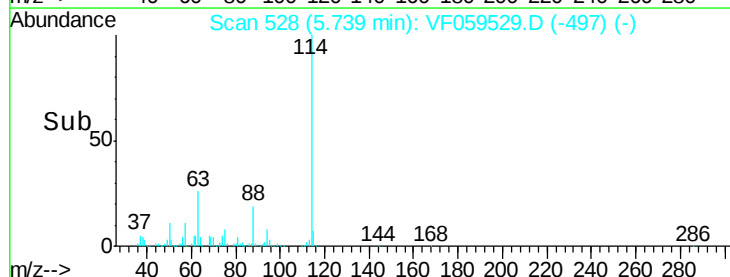
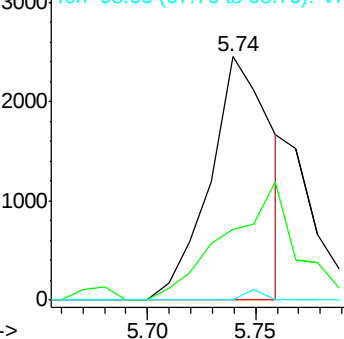
98 0.0 36.2 54.2#

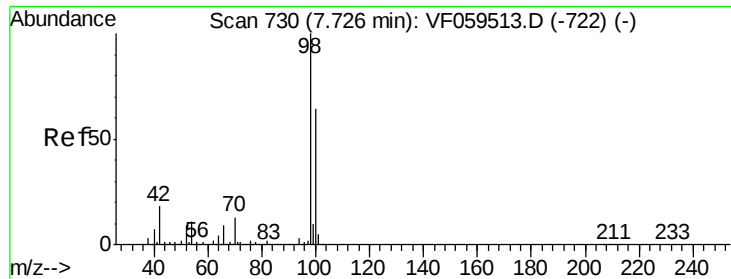


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 43.847 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.04 min

Lab File: VF059529.D

Acq: 18 Jul 2018 23:05

Instrument :

MSVOA_F

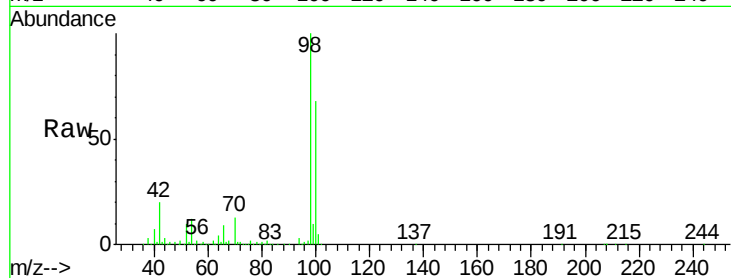
ClientSampleId :

Tot Ion: 98 Resp: 348486

Ion Ratio Lower Upper

98 100

100 68.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.69

150000

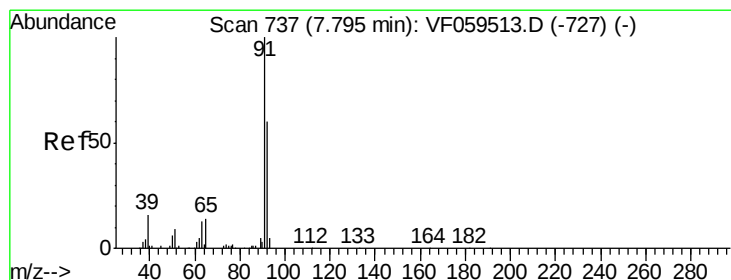
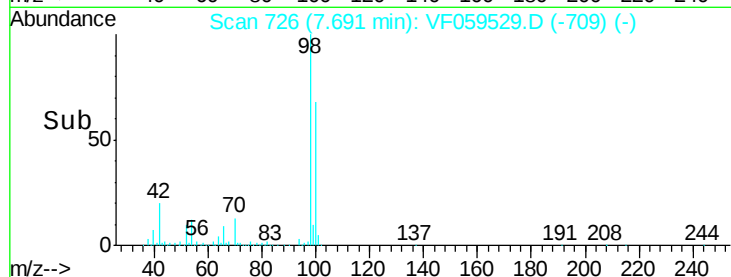
100000

50000

0

7.60 7.70 7.80 7.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.870 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059529.D

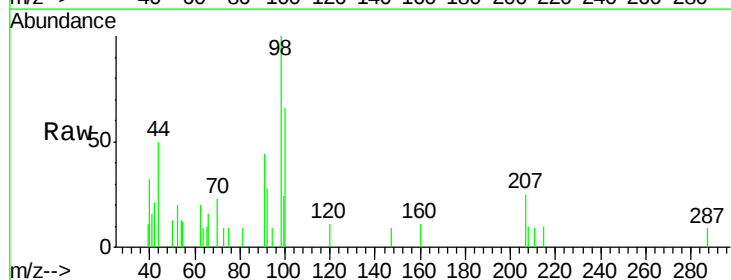
Acq: 18 Jul 2018 23:05

Tgt Ion: 63 Resp: 407

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

400

300

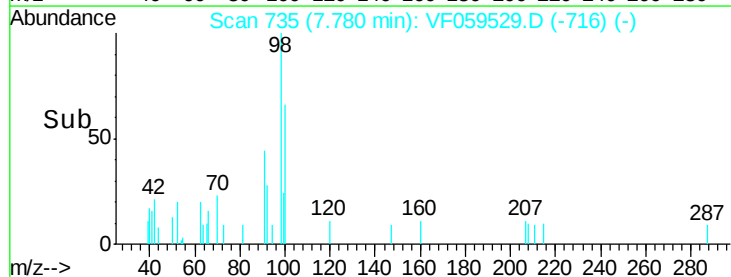
200

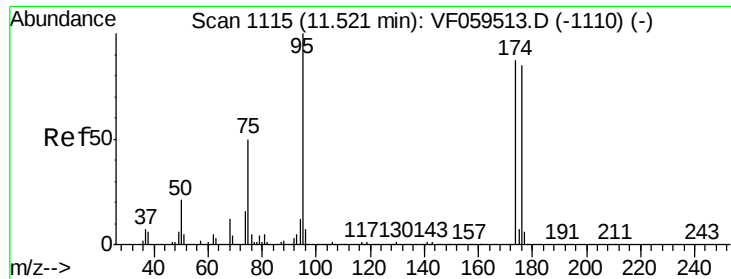
100

0

7.74 7.76 7.78 7.80

Time-->

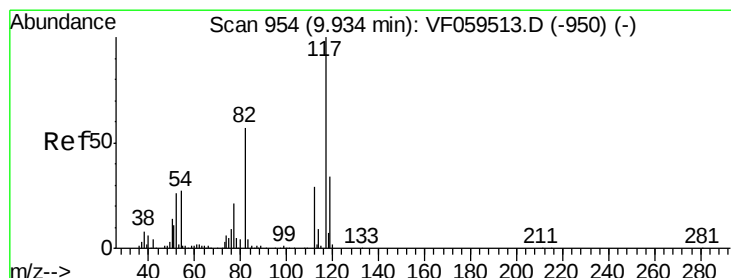
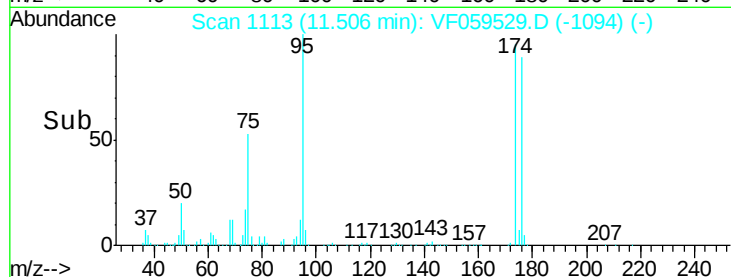
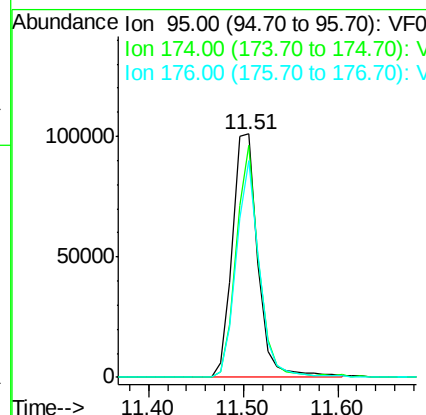
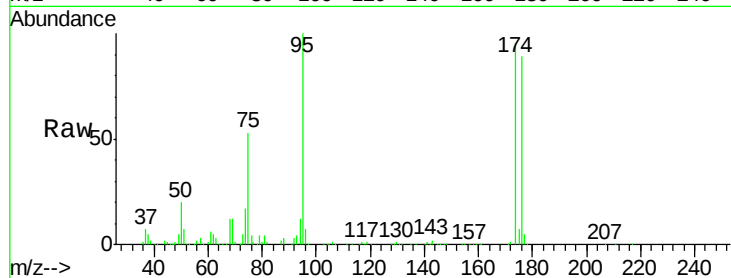




#62
4-Bromofluorobenzene
Concen: 45.488 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

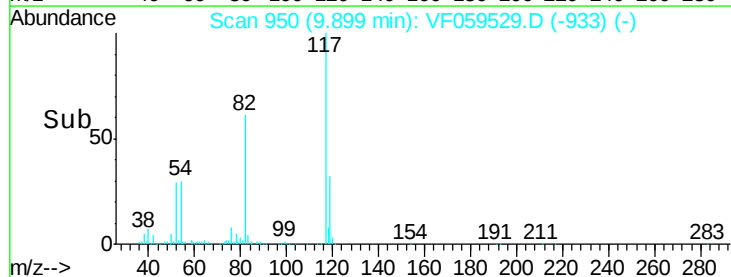
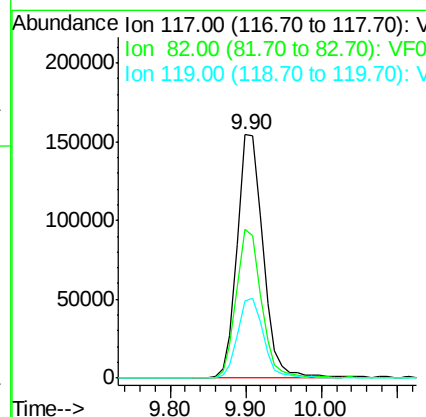
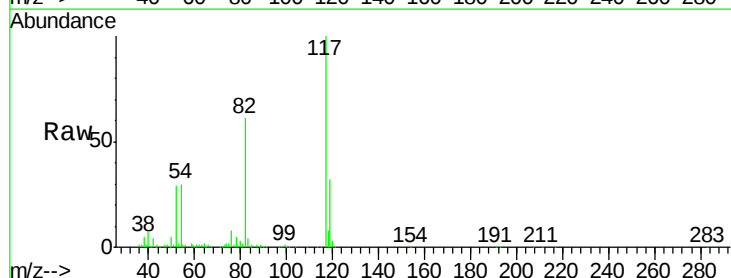
Instrument :
MSVOA_F
ClientSampled :

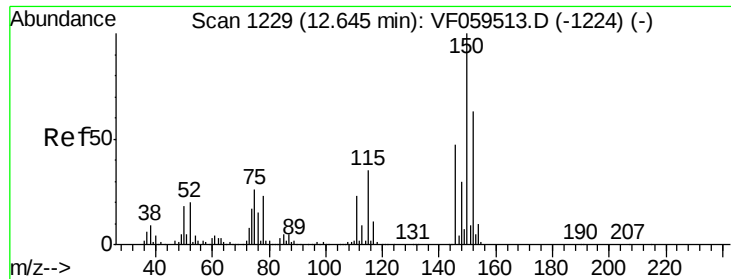
Tot Ion: 95 Resp: 189657
Ion Ratio Lower Upper
95 100
174 95.2 0.0 174.4
176 89.3 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.04 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

Tgt Ion: 117 Resp: 365779
Ion Ratio Lower Upper
117 100
82 61.2 46.1 69.1
119 31.9 27.2 40.8



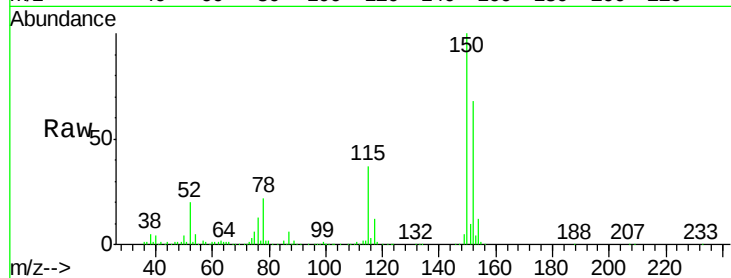


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059529.D
Acq: 18 Jul 2018 23:05

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.3
150	147.7	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

