

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059527.D
 Acq On : 18 Jul 2018 22:11
 Operator : VA/AP
 Sample : J4013-05
 Misc : 5.49g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 01:35:57 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

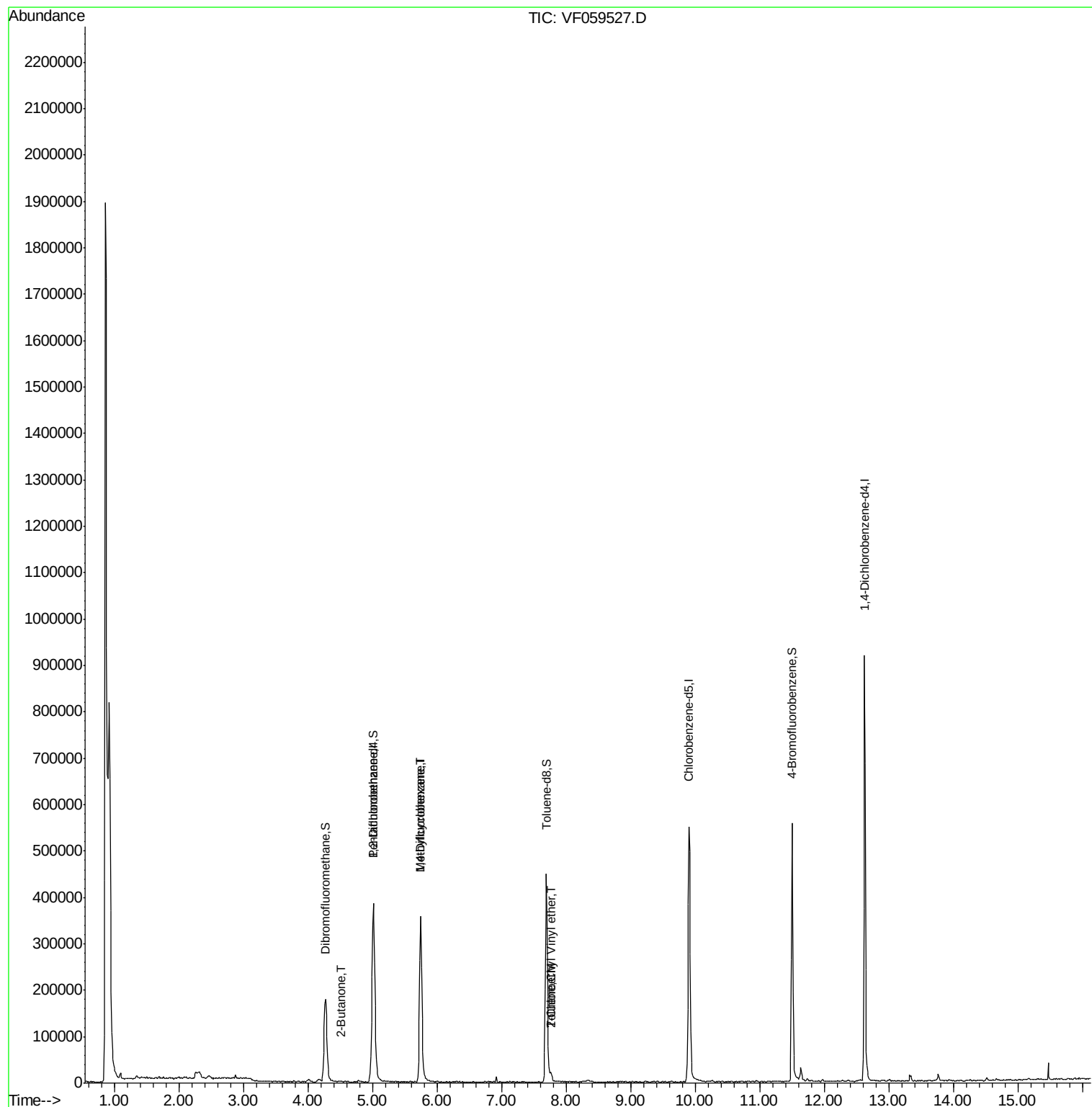
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	245589	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.75	114	377864	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	382970	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.62	152	231378	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	186568	48.85	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	97.70%	
35) Dibromofluoromethane	4.27	113	160690	49.10	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.20%	
50) Toluene-d8	7.69	98	365006	44.28	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	88.56%	
62) 4-Bromofluorobenzene	11.50	95	192770	44.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.16%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.67	59	500	Below Cal	#	74
13) Acrolein	2.06	56	917	Below Cal		85
16) Acetone	2.32	43	12293	Below Cal		93
18) Methyl Acetate	2.43	43	750	Below Cal	#	67
20) Methylene Chloride	2.30	84	4903	Below Cal	#	90
25) 2-Butanone	4.50	43	1042	1.175 ug/l	#	60
29) Tetrahydrofuran	4.23	42	526	Below Cal	#	38
37) Ethyl Acetate	4.29	43	281	Below Cal	#	41
39) Methylcyclohexane	5.74	83	5766	2.009 ug/l	#	40
49) 1,4-Dioxane	7.11	88	61	Below Cal	#	15
52) Toluene	7.76	92	6572	1.235 ug/l		87
58) 2-Chloroethyl Vinyl ether	7.76	63	1259	5.577 ug/l		100

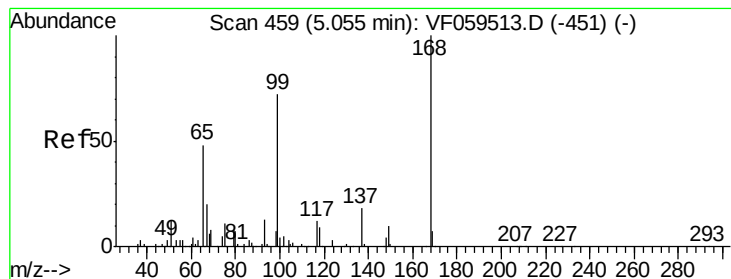
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.02 min Scan# 455

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

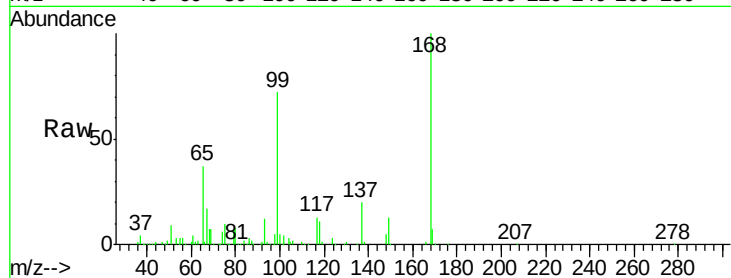
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 245589

Ion Ratio Lower Upper

168 100

99 71.5 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

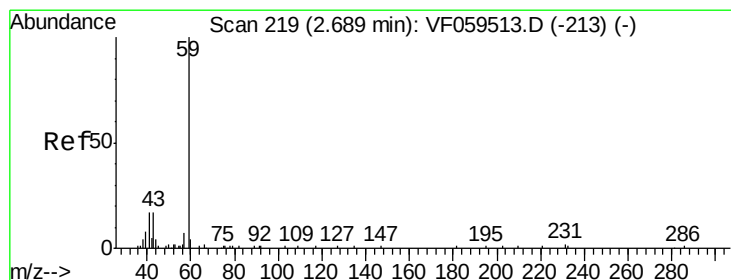
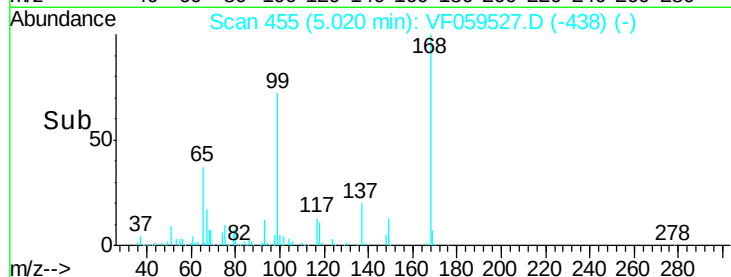
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF059527.D

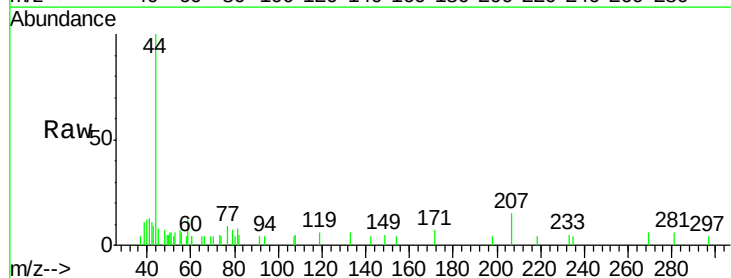
Acq: 18 Jul 2018 22:11

Tgt Ion: 59 Resp: 500

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

2.67

300

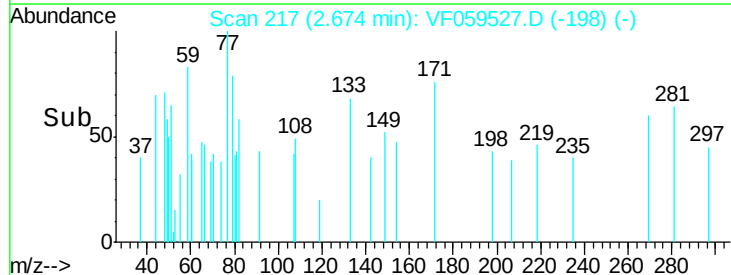
200

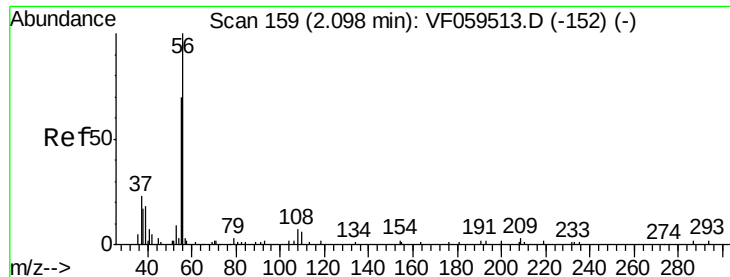
100

0

Time-->

2.62 2.64 2.66 2.68 2.70

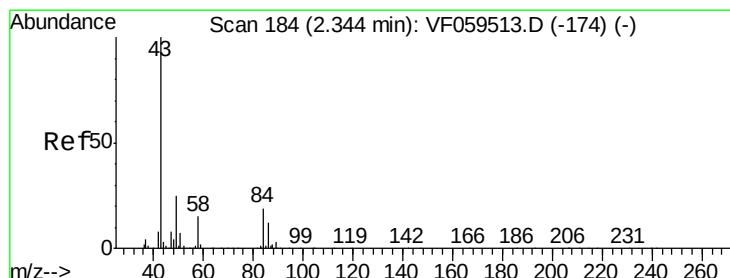
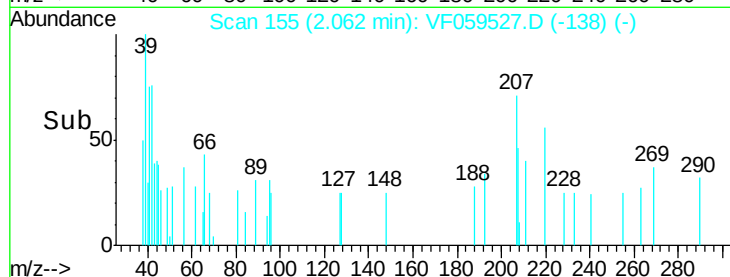
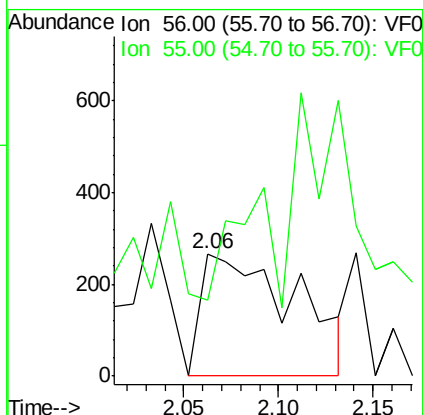
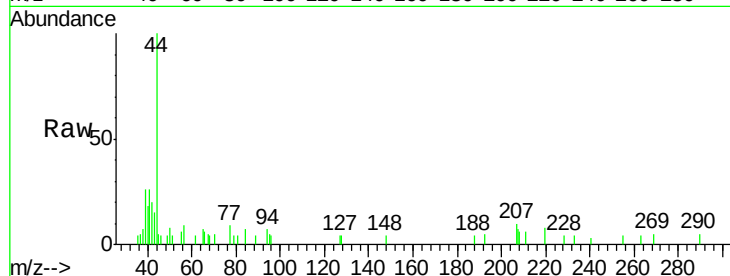




#13
Acrolein
Concen: Below Cal
RT: 2.06 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

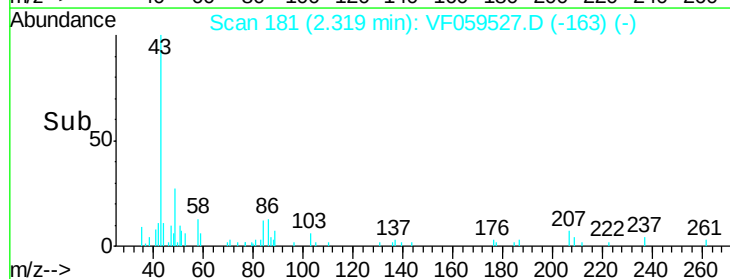
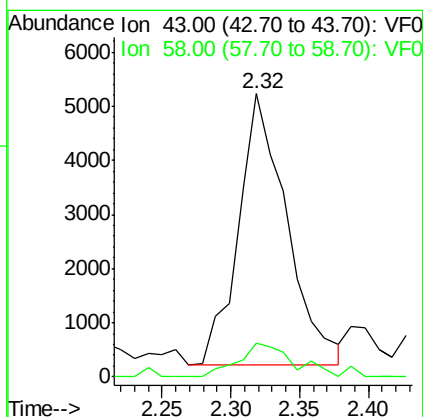
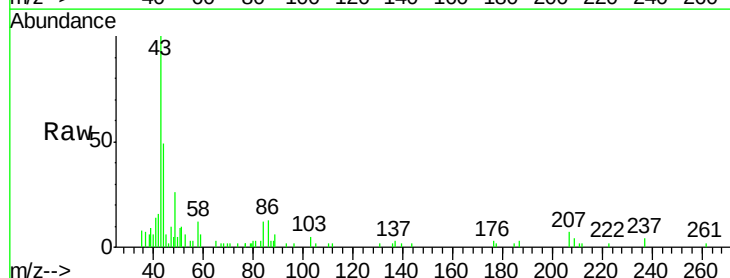
Instrument :
MSVOA_F
ClientSampleId :

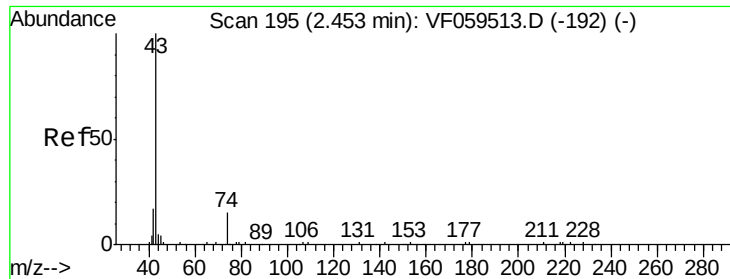
Tot Ion: 56 Resp: 917
Ion Ratio Lower Upper
56 100
55 61.7 59.4 89.2



#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

Tgt Ion: 43 Resp: 12293
Ion Ratio Lower Upper
43 100
58 12.0 11.8 17.6

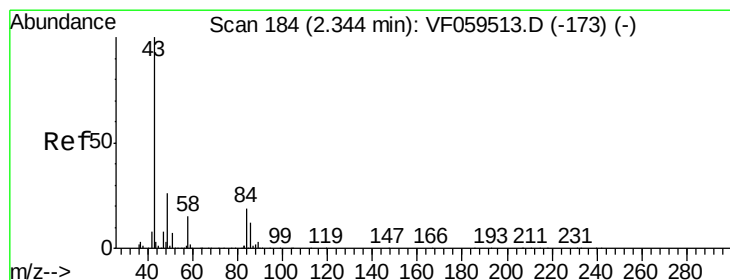
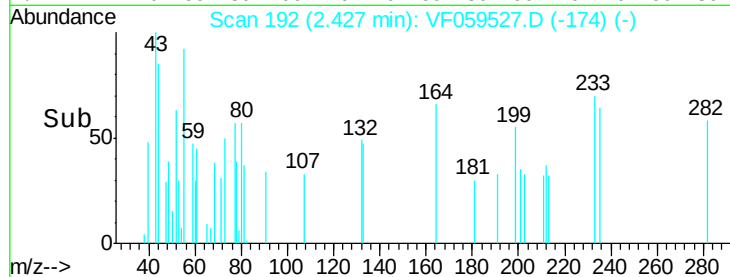
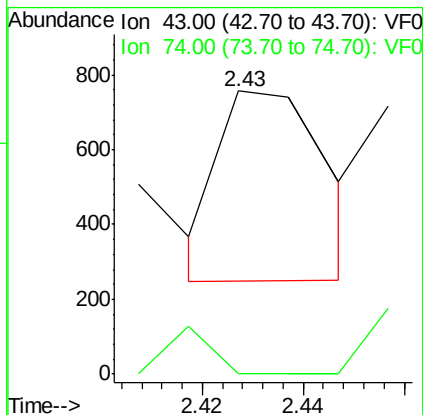
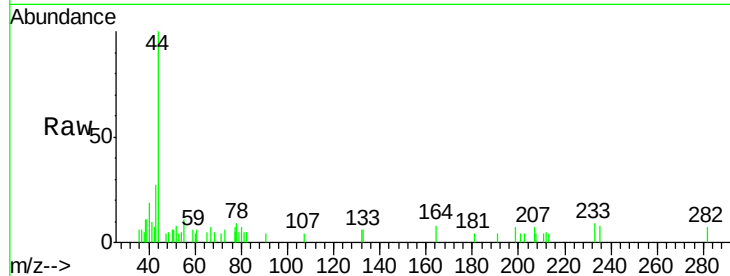




#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

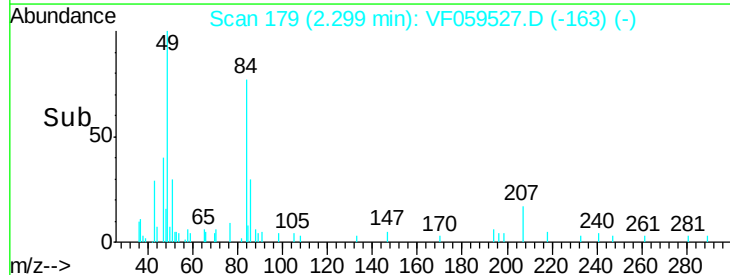
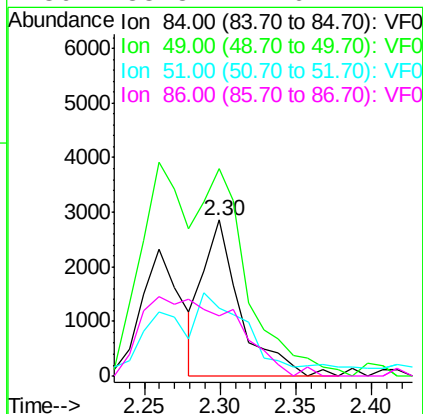
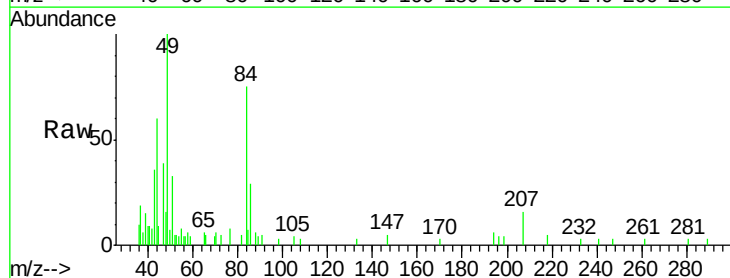
Instrument :
MSVOA_F
ClientSampled :

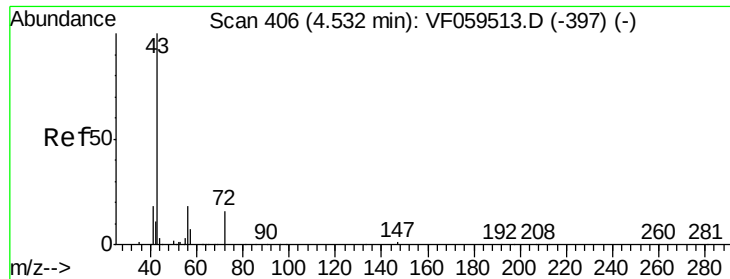
Tot Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

Tgt Ion: 84 Resp: 4903
Ion Ratio Lower Upper
84 100
49 133.4 109.4 164.2
51 43.5 30.5 45.7
86 38.8 47.6 71.4#





#25

2-Butanone

Concen: 1.175 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

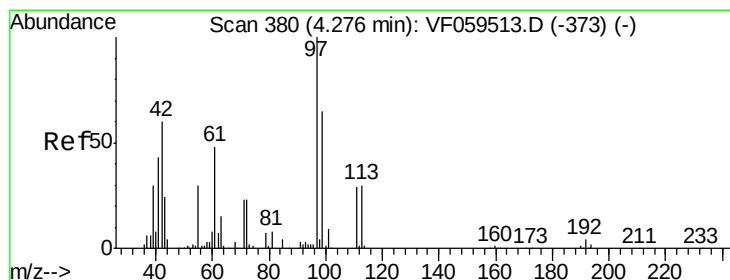
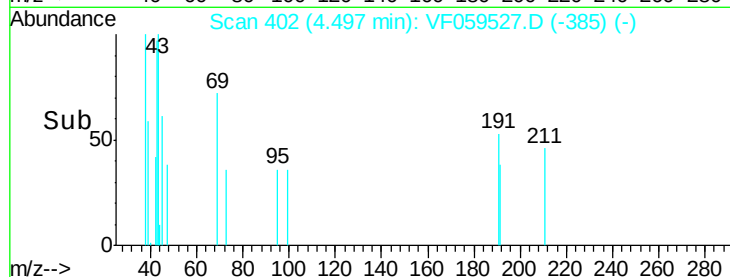
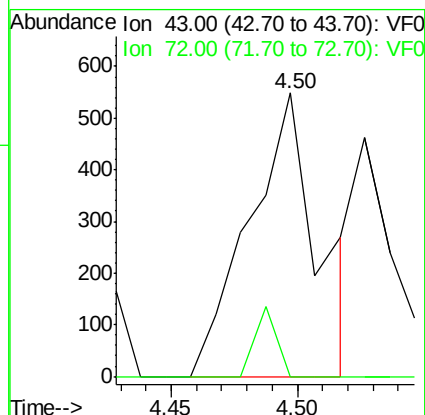
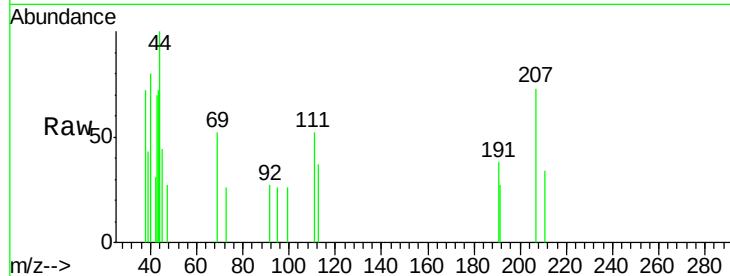
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1042

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: VF059527.D

Acq: 18 Jul 2018 22:11

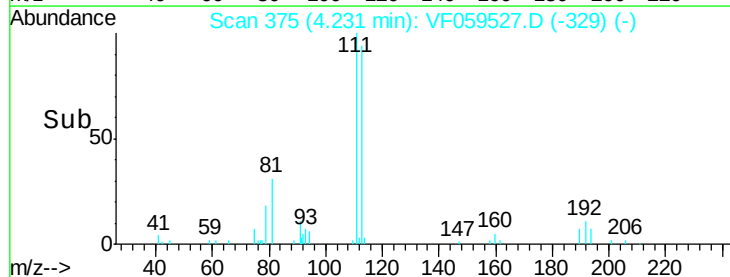
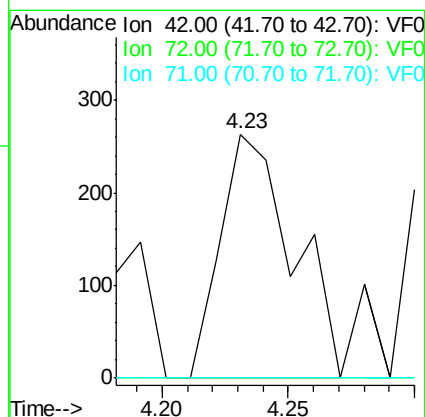
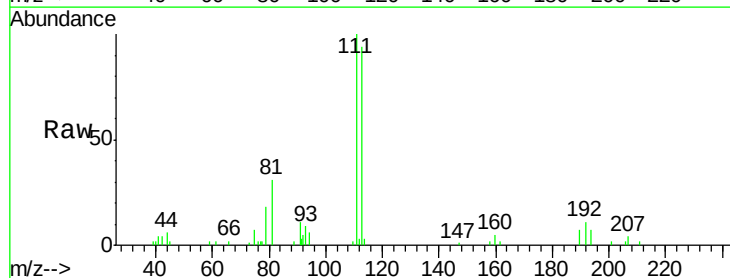
Tgt Ion: 42 Resp: 526

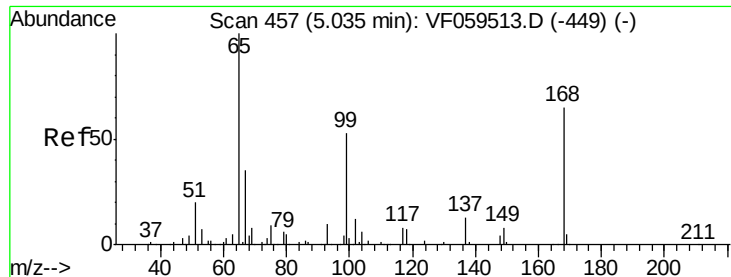
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 48.846 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

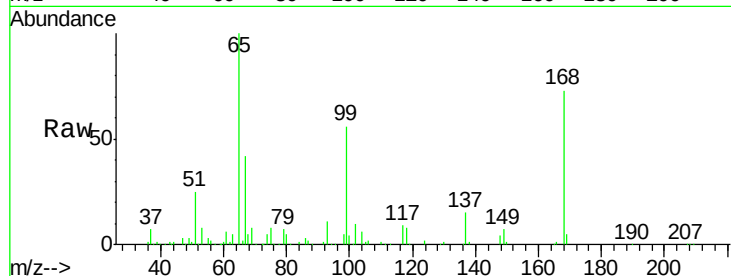
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 186568

Ion Ratio Lower Upper

65 100

67 41.7 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

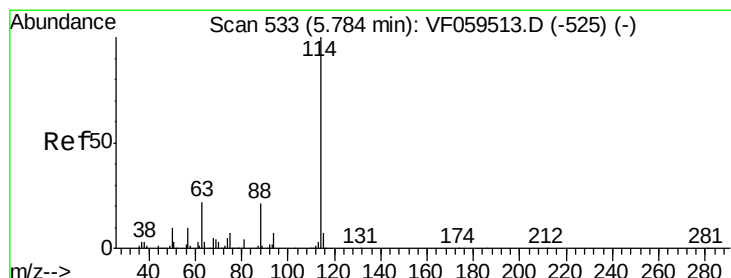
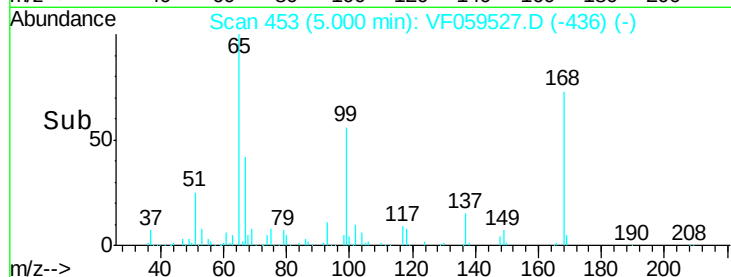
40000

20000

0

Time-->

4.90 5.00 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

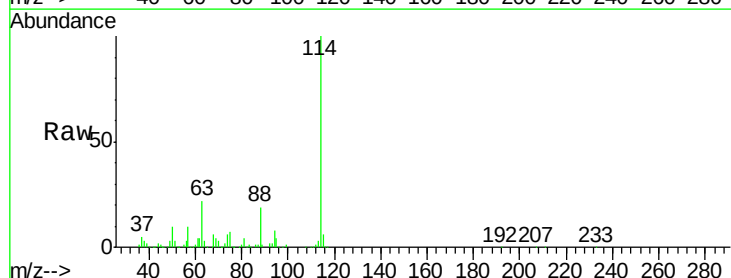
Tgt Ion: 114 Resp: 377864

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.8

88 19.3 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

150000

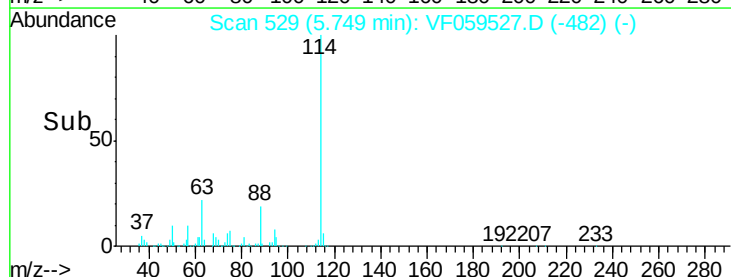
100000

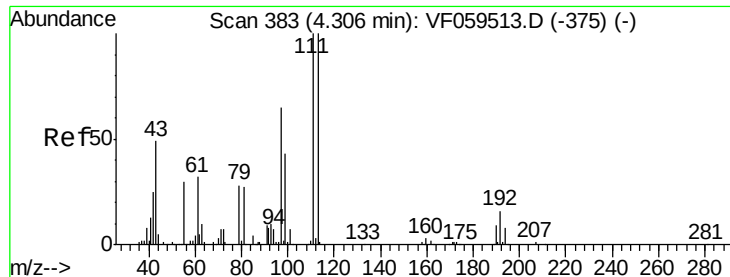
50000

0

Time-->

5.60 5.80 6.00

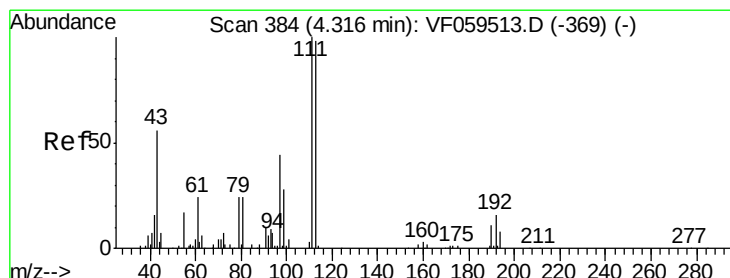
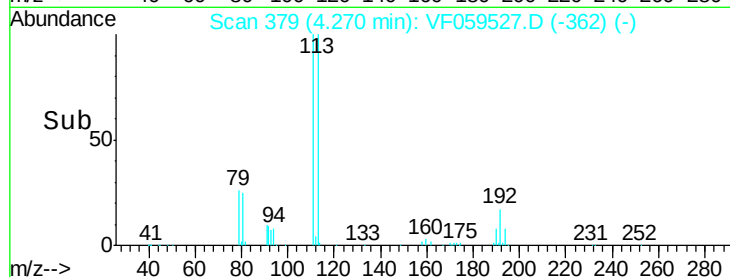
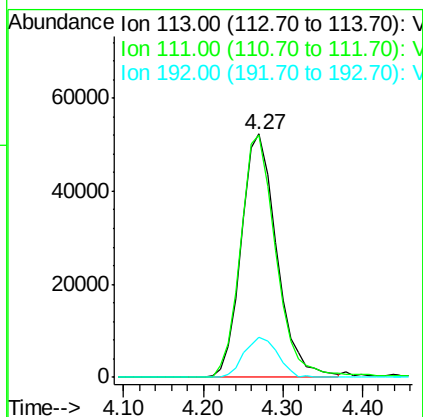
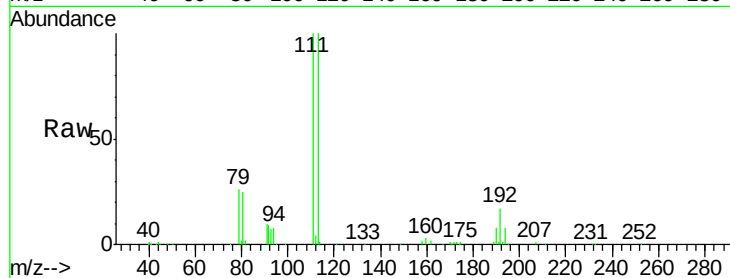




#35
Dibromofluoromethane
Concen: 49.102 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.04 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

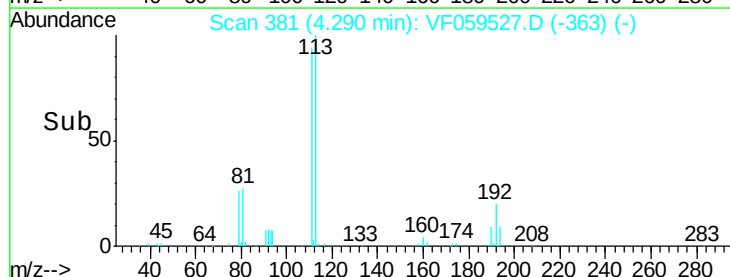
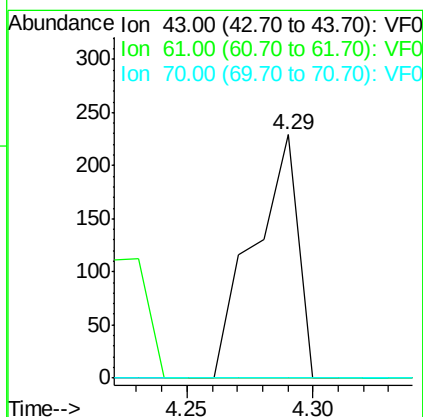
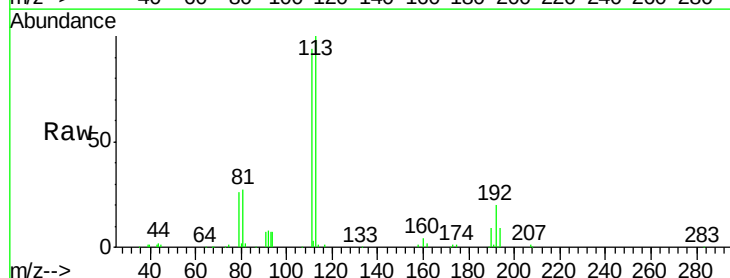
Instrument :
MSVOA_F
ClientSampleId :

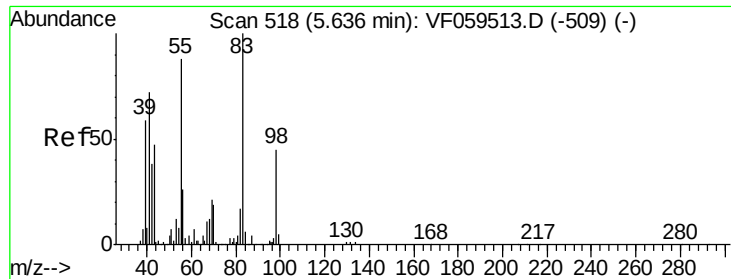
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	80.3	120.5
192	16.5	13.1	19.7



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

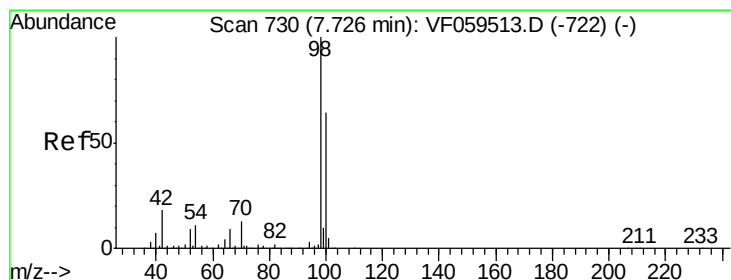
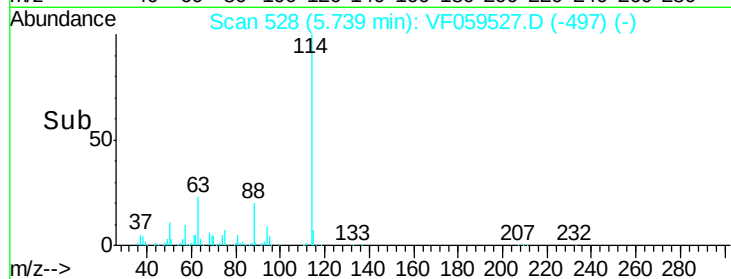
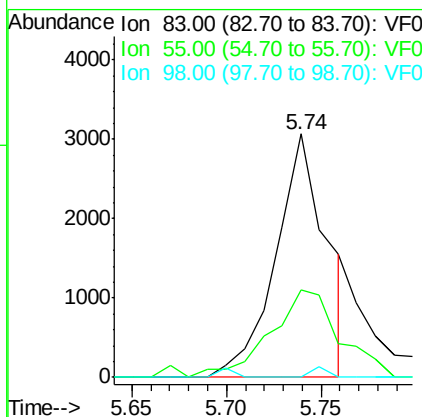
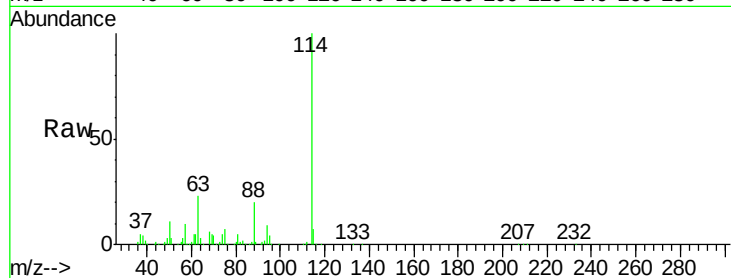




#39
Methylcyclohexane
Concen: 2.009 ug/l
RT: 5.74 min Scan# 528
Delta R.T. 0.10 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

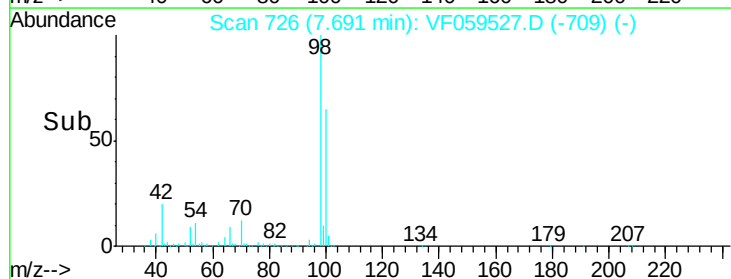
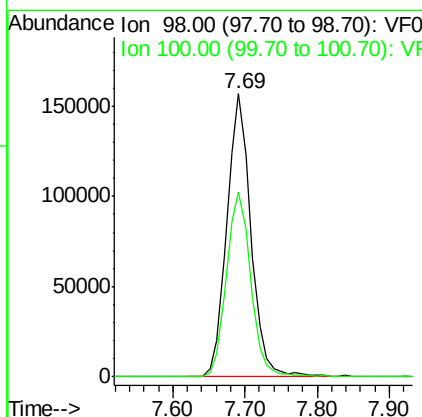
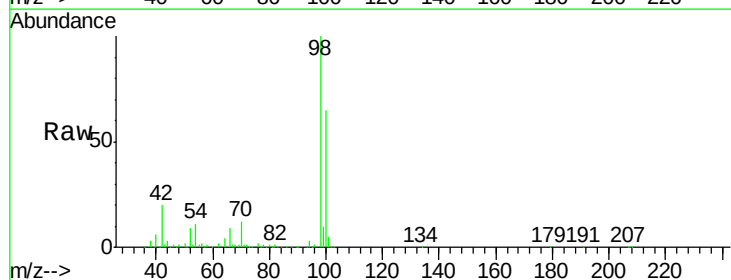
Instrument :
MSVOA_F
ClientSampled :

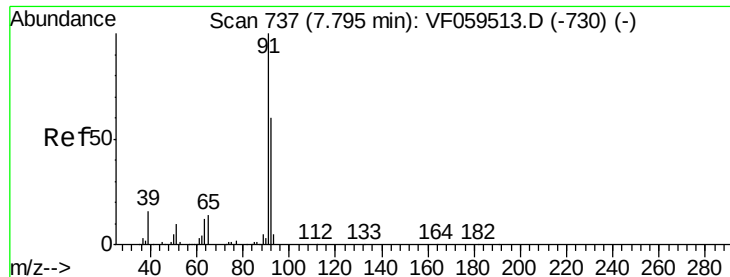
Tot Ion: 83 Resp: 5766
Ion Ratio Lower Upper
83 100
55 36.1 70.2 105.4#
98 0.0 36.2 54.2#



#50
Toluene-d8
Concen: 44.278 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.04 min
Lab File: VF059527.D
Acq: 18 Jul 2018 22:11

Tgt Ion: 98 Resp: 365006
Ion Ratio Lower Upper
98 100
100 65.4 50.9 76.3





#52

Toluene

Concen: 1.235 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

Instrument :

MSVOA_F

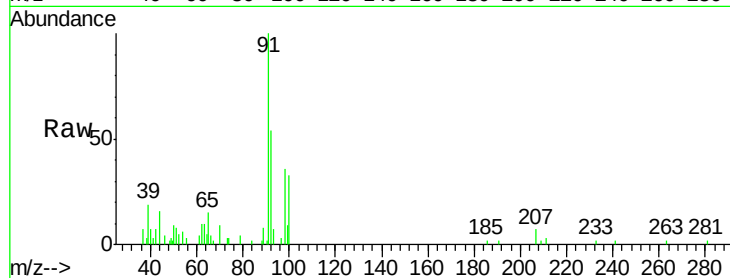
ClientSampled :

Tot Ion: 92 Resp: 6572

Ion Ratio Lower Upper

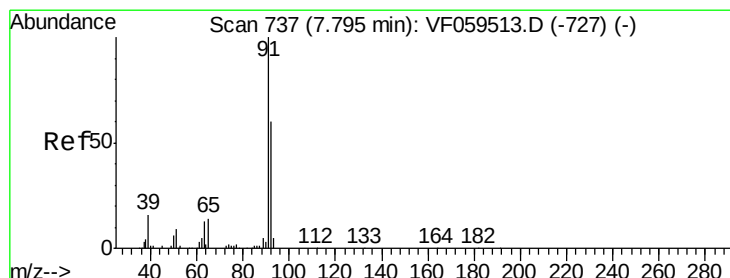
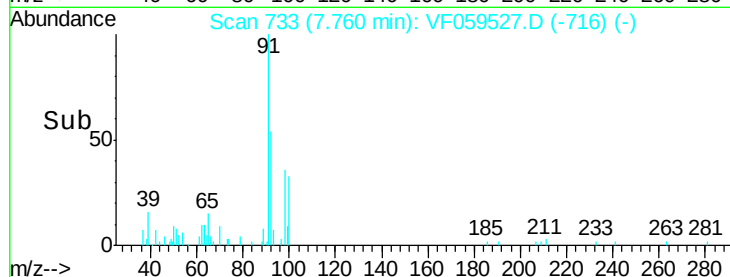
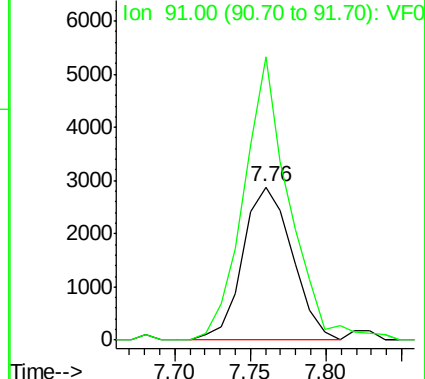
92 100

91 184.8 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 5.577 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.04 min

Lab File: VF059527.D

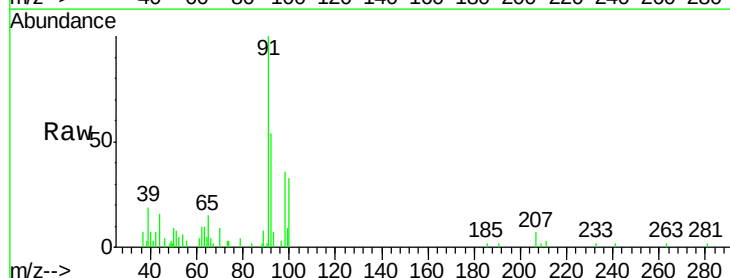
Acq: 18 Jul 2018 22:11

Tgt Ion: 63 Resp: 1259

Ion Ratio Lower Upper

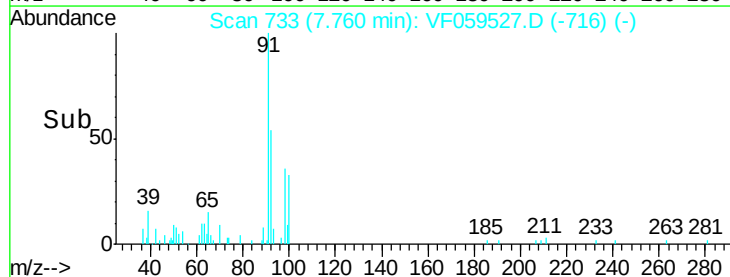
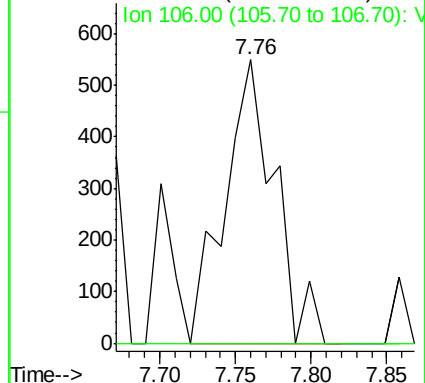
63 100

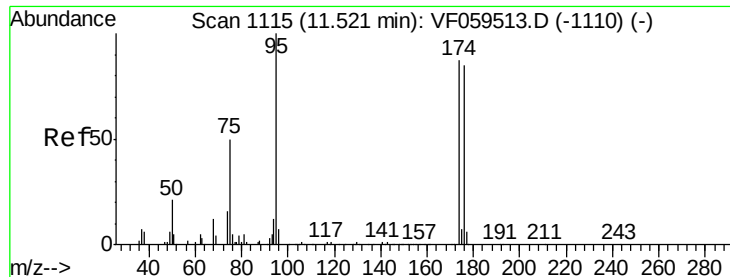
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 44.576 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.03 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

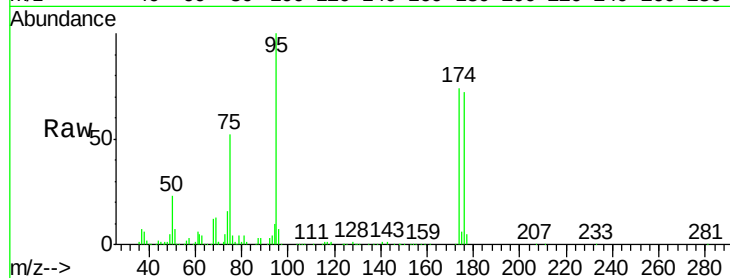
Tot Ion: 95 Resp: 192770

Ion Ratio Lower Upper

95 100

174 74.4 0.0 174.4

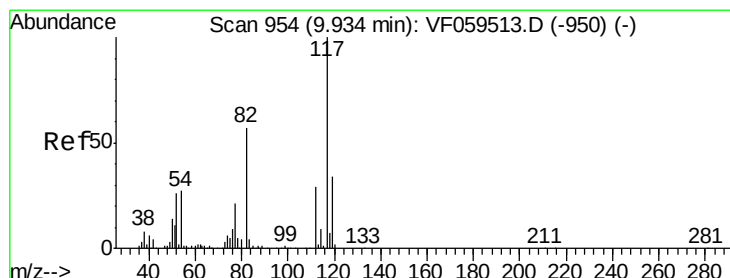
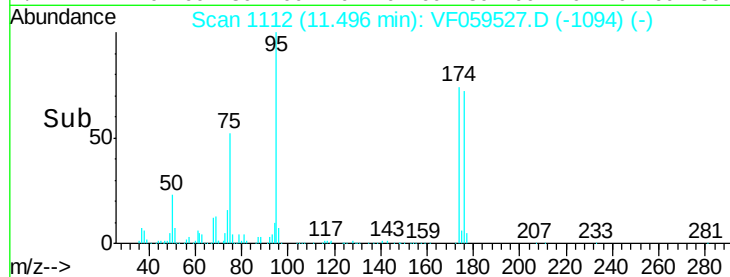
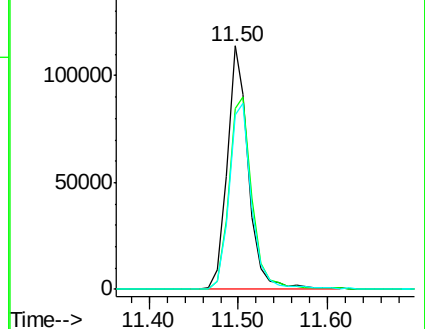
176 71.8 0.0 169.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.04 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

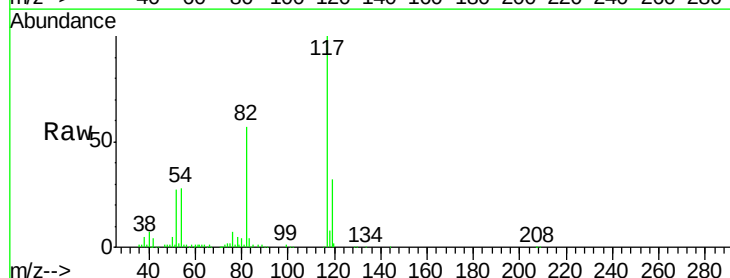
Tgt Ion: 117 Resp: 382970

Ion Ratio Lower Upper

117 100

82 57.2 46.1 69.1

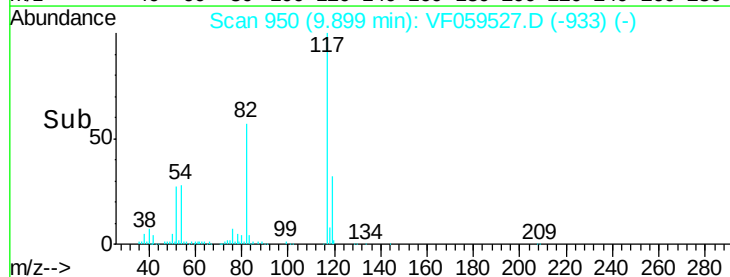
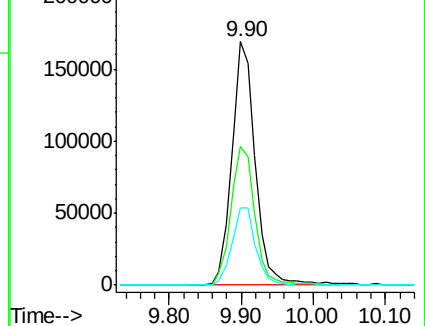
119 31.9 27.2 40.8

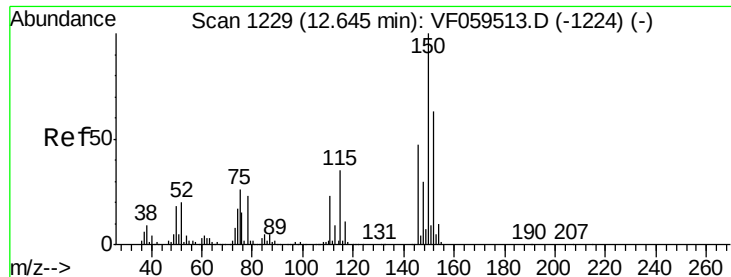


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.03 min

Lab File: VF059527.D

Acq: 18 Jul 2018 22:11

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:152 Resp: 231378

Ion Ratio Lower Upper

152 100

115 58.7 27.8 83.3

150 151.1 0.0 318.4

