

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060342.D
 Acq On : 25 Sep 2018 23:18
 Operator : VA/AP
 Sample : J5055-16
 Misc : 5.12/5mL/MSVOA_F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-D

Quant Time: Sep 26 01:49:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

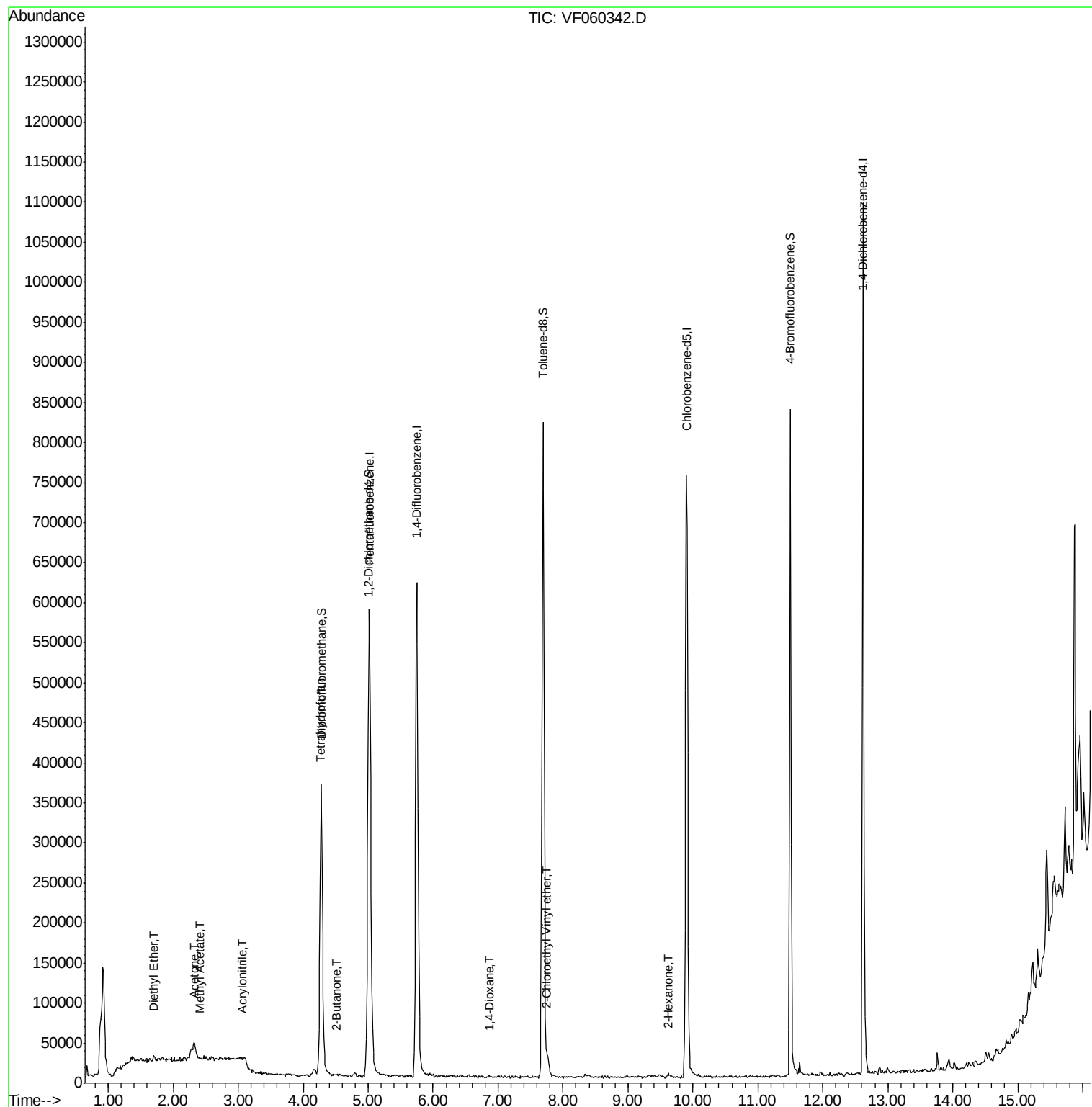
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	387275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	688778	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	543072	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	270257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	289337	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.96%	
35) Dibromofluoromethane	4.28	113	339341	55.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.54%	
50) Toluene-d8	7.69	98	707363	44.24	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.48%	
62) 4-Bromofluorobenzene	11.50	95	304938	44.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.13	85	67	Below Cal		73
5) Bromomethane	1.45	94	529	Below Cal		84
8) Diethyl Ether	1.70	74	1908	1.144 ug/l		54
11) Tert butyl alcohol	2.69	59	1386	Below Cal	#	1
13) Acrolein	2.06	56	643	Below Cal		94
15) Acrylonitrile	3.07	53	2632	3.574 ug/l	#	60
16) Acetone	2.33	43	30505	20.772 ug/l		94
17) Carbon Disulfide	1.88	76	633	Below Cal	#	1
18) Methyl Acetate	2.43	43	4489	1.835 ug/l	#	62
20) Methylene Chloride	2.31	84	13527	Below Cal	#	79
25) 2-Butanone	4.50	43	4252	2.151 ug/l		96
29) Tetrahydrofuran	4.26	42	2377	3.284 ug/l	#	44
49) 1,4-Dioxane	6.87	88	73	2.660 ug/l	#	20
58) 2-Chloroethyl Vinyl ether	7.76	63	1535	3.844 ug/l		100
59) 2-Hexanone	9.61	43	5353	2.229 ug/l		81
78) n-propylbenzene	11.68	91	1158	Below Cal		98
85) sec-Butylbenzene	12.38	105	1559	Below Cal		100
86) p-Isopropyltoluene	12.53	119	1034	Below Cal	#	44
89) n-Butylbenzene	12.90	91	1924	Below Cal		89

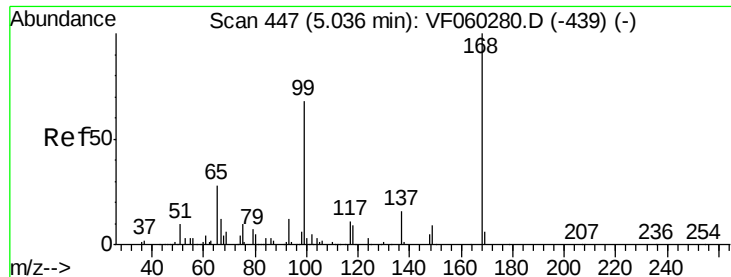
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
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Quant Time: Sep 26 01:49:13 2018
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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

Instrument :

MSVOA_F

ClientSampleId :

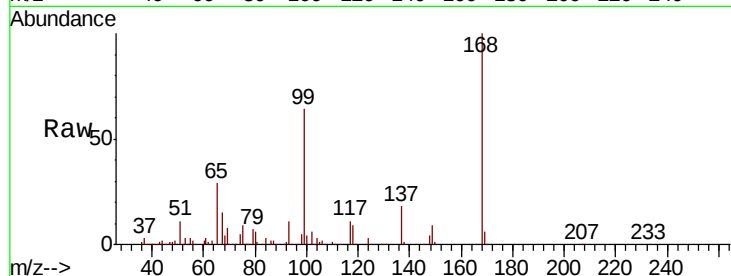
TP-D

Tgt Ion:168 Resp: 387275

Ion Ratio Lower Upper

168 100

99 64.1 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

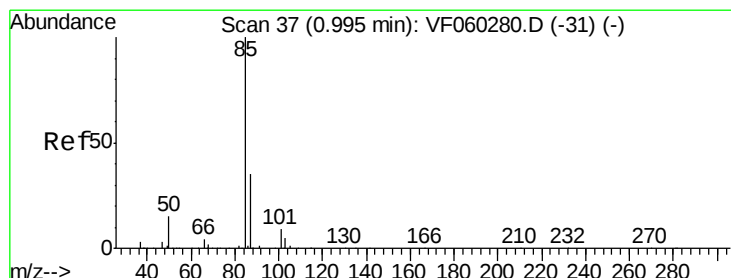
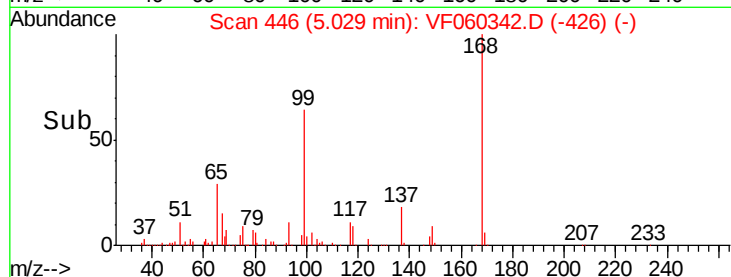
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.13 min Scan# 50

Delta R.T. 0.13 min

Lab File: VF060342.D

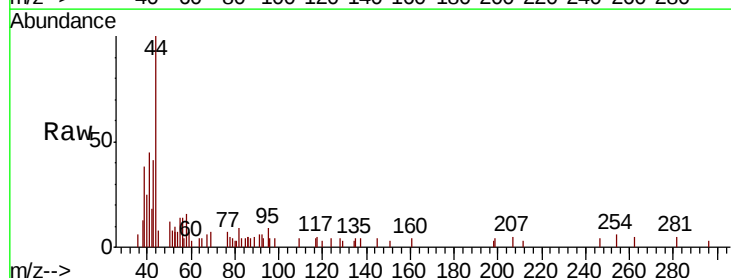
Acq: 25 Sep 2018 23:18

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 50.6 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

250

200

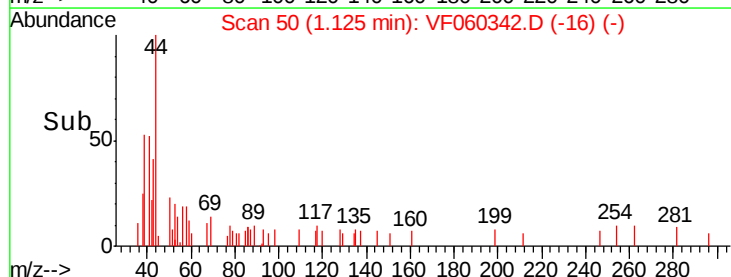
150

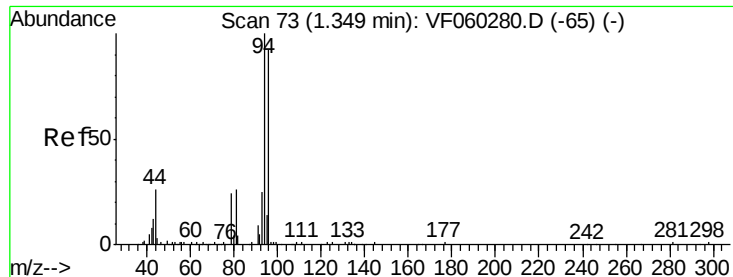
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.45 min Scan# 83

Delta R.T. 0.10 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

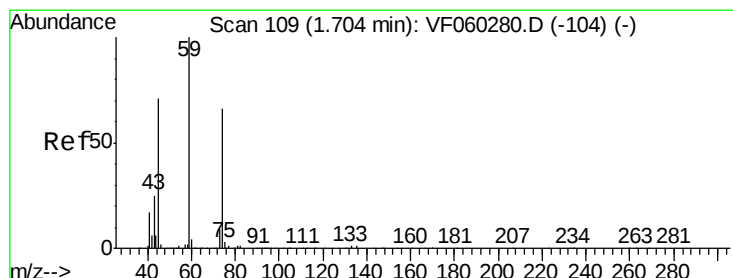
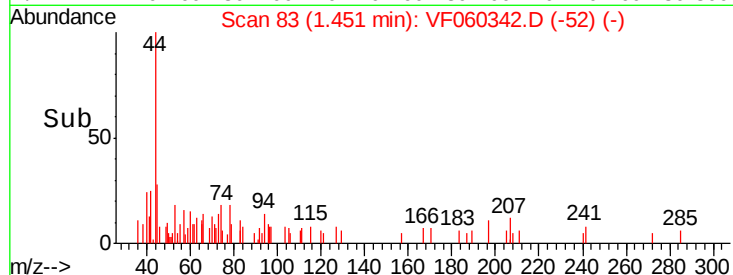
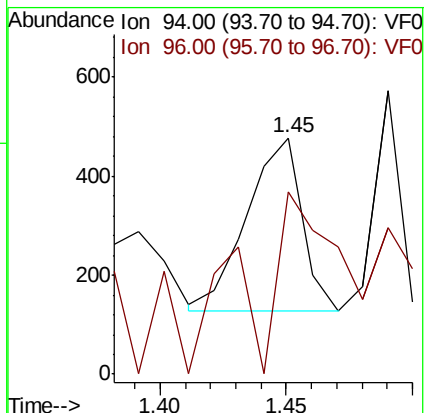
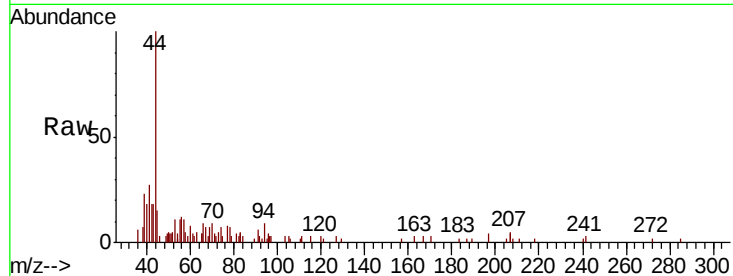
Instrument :
MSVOA_F
ClientSampled :
TP-D

Tgt Ion: 94 Resp: 529

Ion Ratio Lower Upper

94 100

96 77.4 73.9 110.9



#8

Diethyl Ether

Concen: 1.144 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060342.D

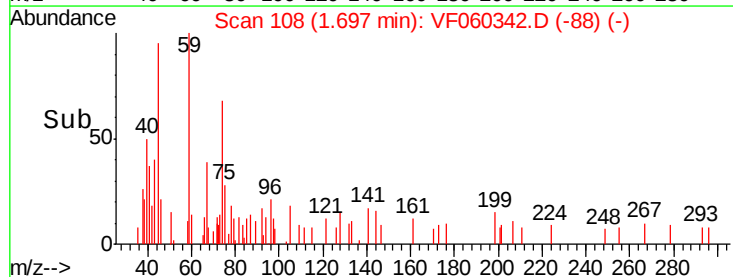
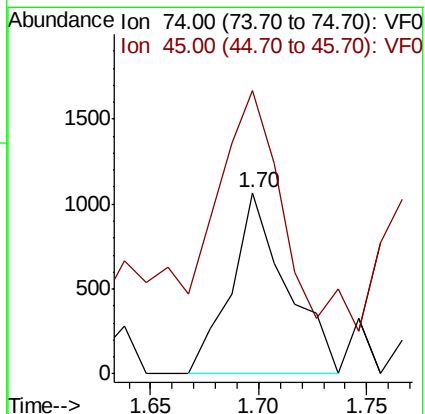
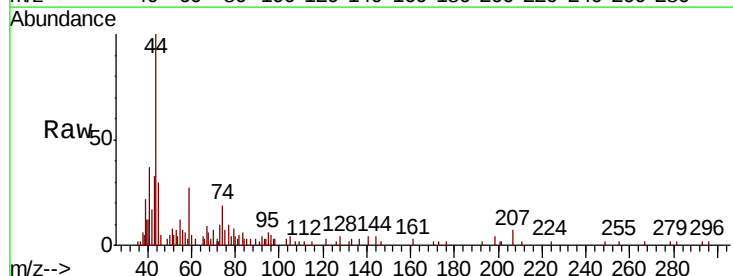
Acq: 25 Sep 2018 23:18

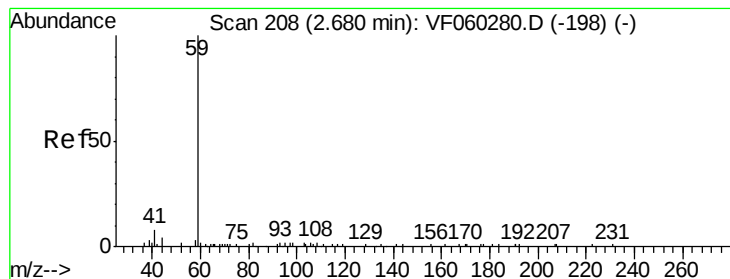
Tgt Ion: 74 Resp: 1908

Ion Ratio Lower Upper

74 100

45 156.2 53.9 161.7



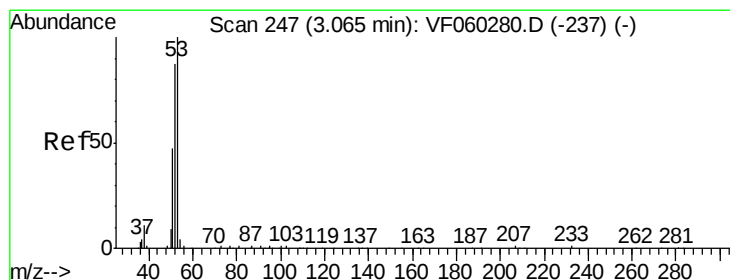
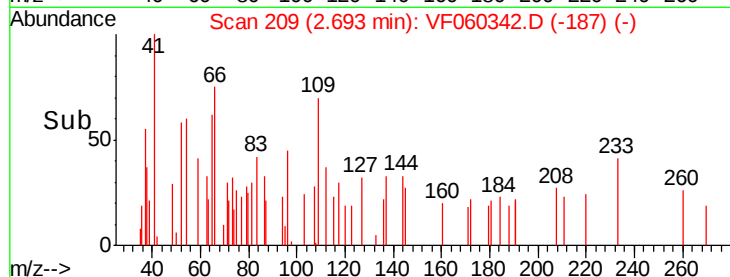
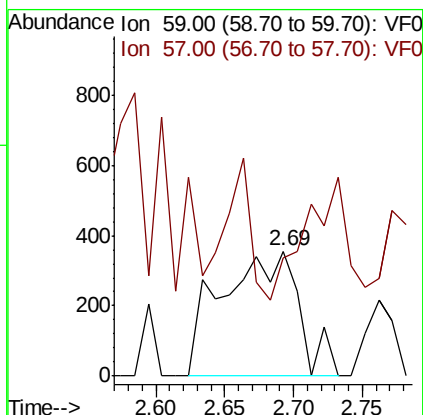
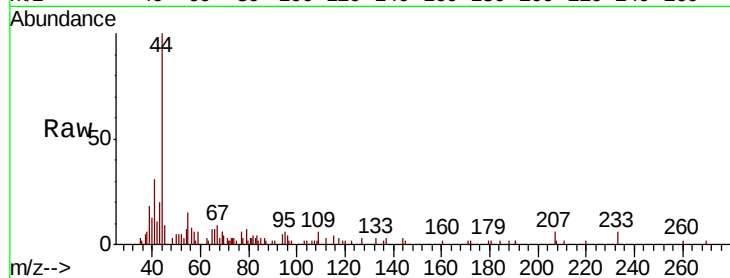


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.69 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Instrument :
MSVOA_F
ClientSampleId :
TP-D

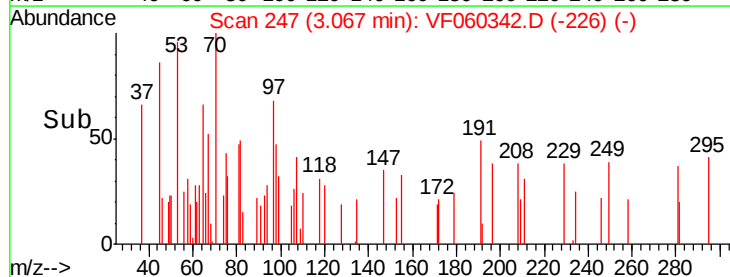
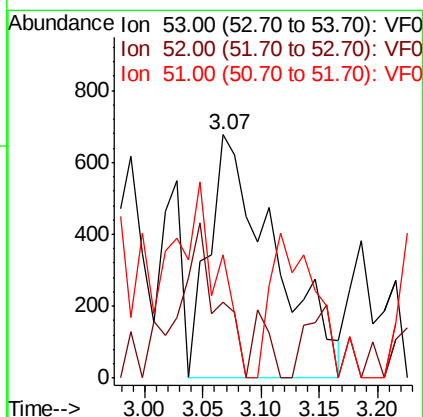
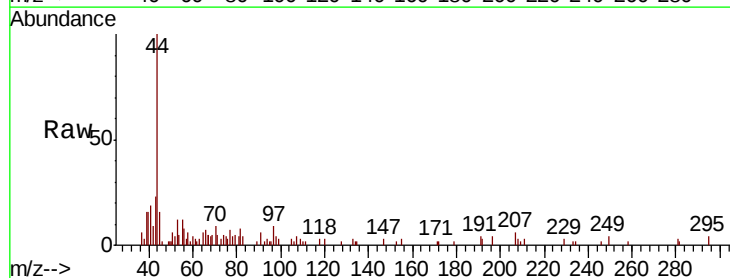
Tgt Ion: 59 Resp: 1386
Ion Ratio Lower Upper
59 100
57 94.4 12.4 18.6#

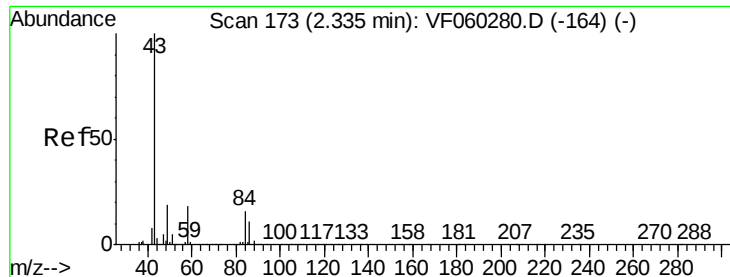


#15

Acrylonitrile
Concen: 3.574 ug/l
RT: 3.07 min Scan# 247
Delta R.T. 0.00 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Tgt Ion: 53 Resp: 2632
Ion Ratio Lower Upper
53 100
52 31.5 69.5 104.3#
51 50.8 38.1 57.1

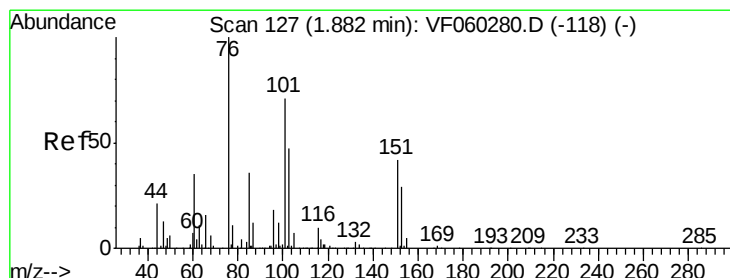
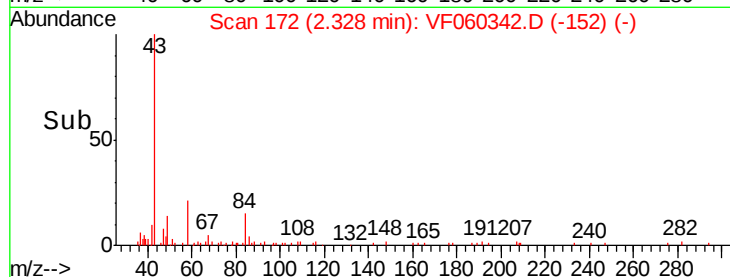
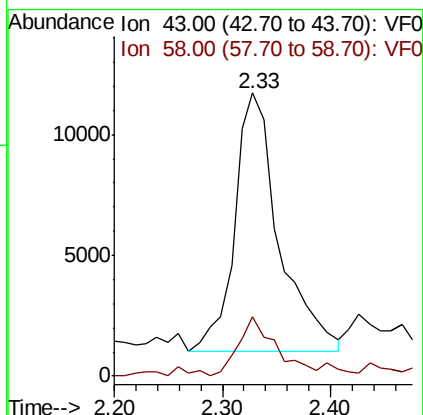
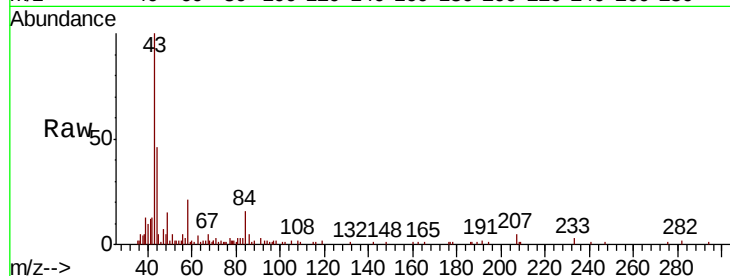




#16
Acetone
Concen: 20.772 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

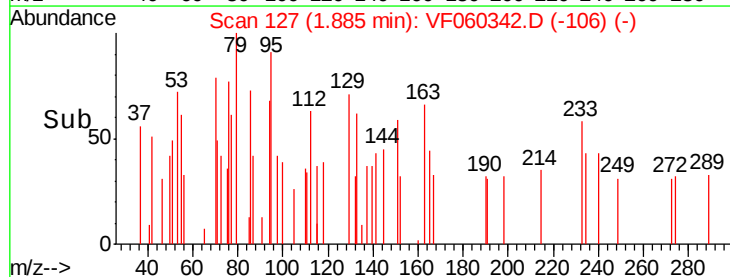
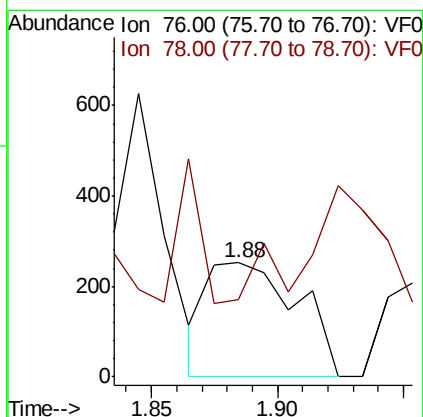
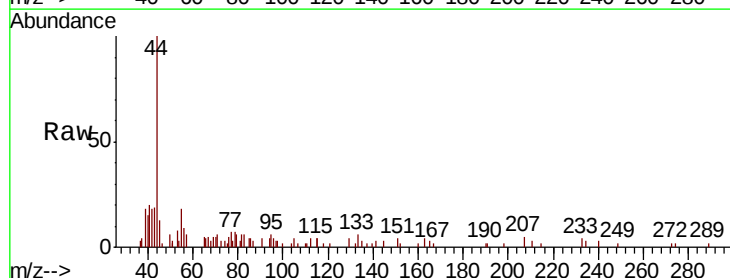
Instrument :
MSVOA_F
ClientSampled :
TP-D

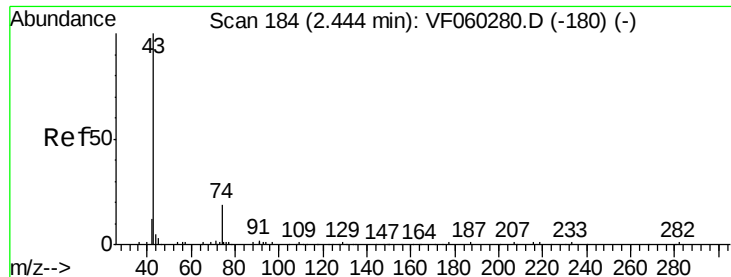
Tgt Ion: 43 Resp: 30505
Ion Ratio Lower Upper
43 100
58 20.8 14.5 21.7



#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Tgt Ion: 76 Resp: 633
Ion Ratio Lower Upper
76 100
78 67.9 9.4 14.0#

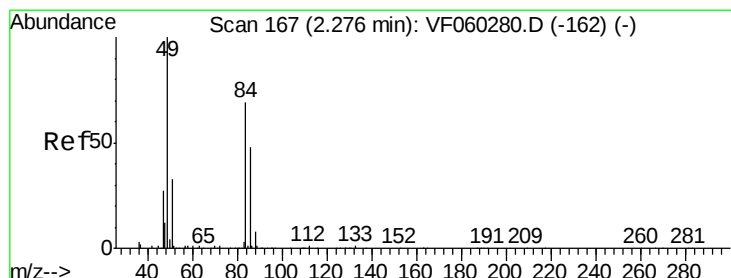
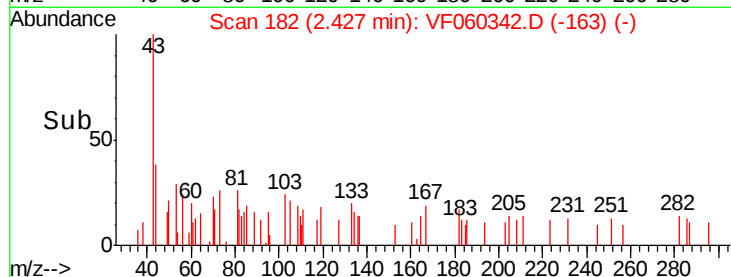
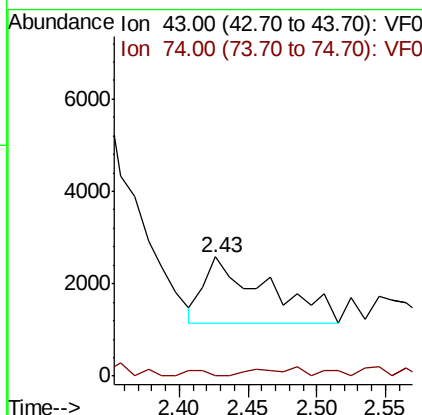
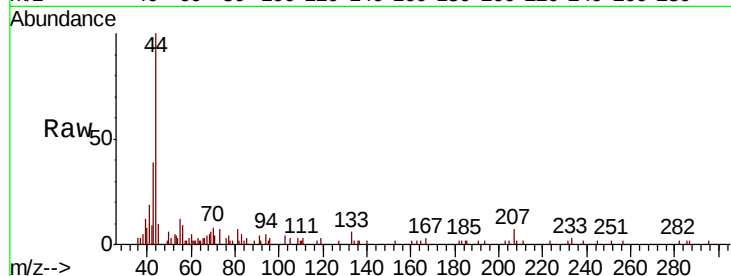




#18
Methyl Acetate
Concen: 1.835 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

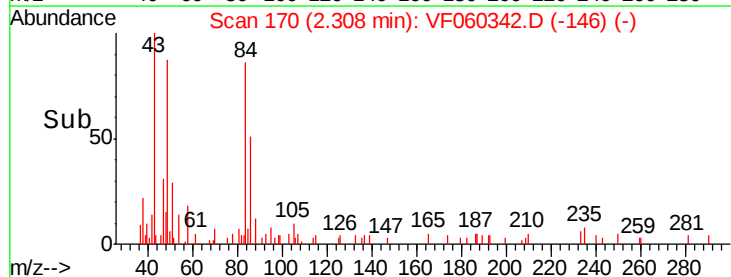
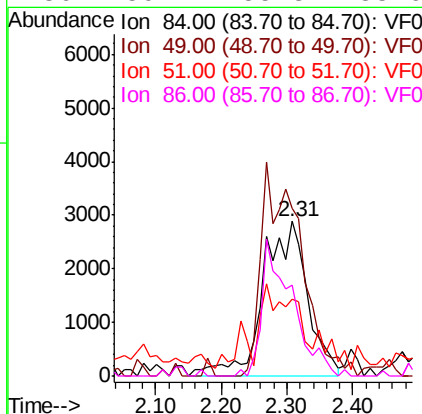
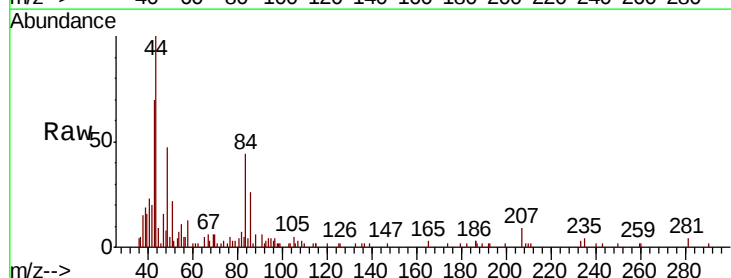
Instrument :
MSVOA_F
ClientSampleId :
TP-D

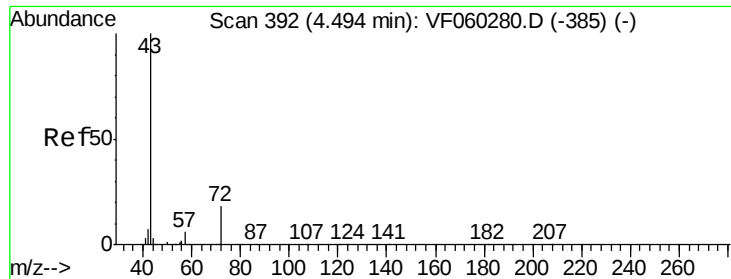
Tgt Ion: 43 Resp: 4489
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 170
Delta R.T. 0.03 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Tgt Ion: 84 Resp: 13527
Ion Ratio Lower Upper
84 100
49 108.2 118.3 177.5#
51 49.4 38.7 58.1
86 59.1 55.8 83.6





#25

2-Butanone

Concen: 2.151 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

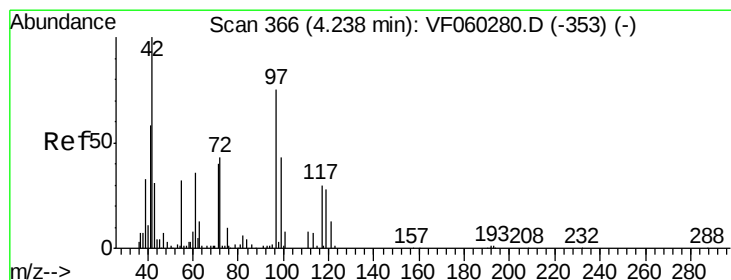
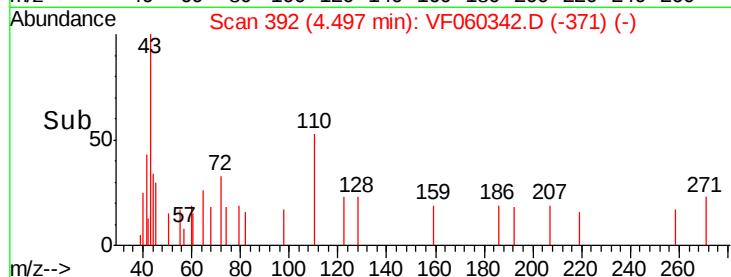
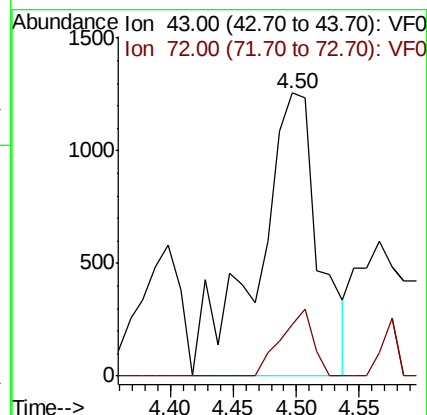
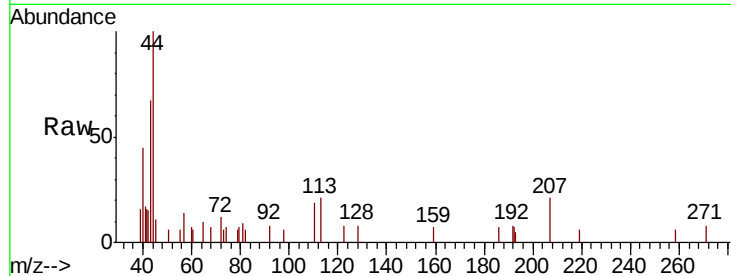
Instrument :
MSVOA_F
ClientSampleId :
TP-D

Tgt Ion: 43 Resp: 4252

Ion Ratio Lower Upper

43 100

72 18.2 16.2 24.2



#29

Tetrahydrofuran

Concen: 3.284 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.02 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

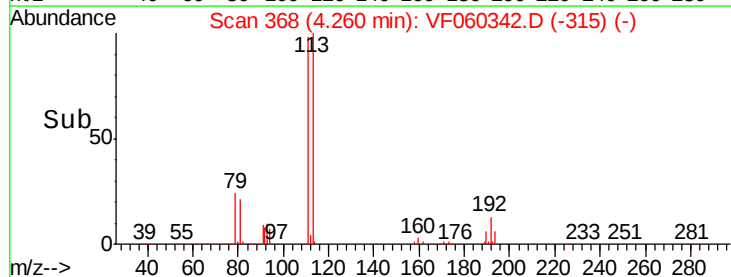
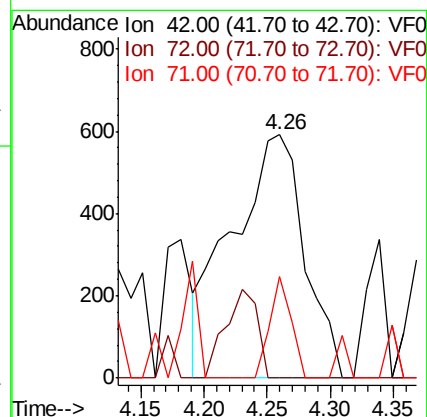
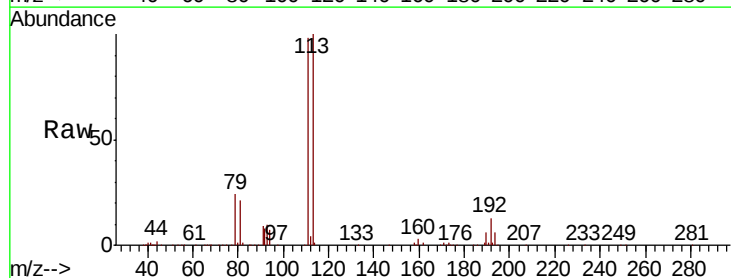
Tgt Ion: 42 Resp: 2377

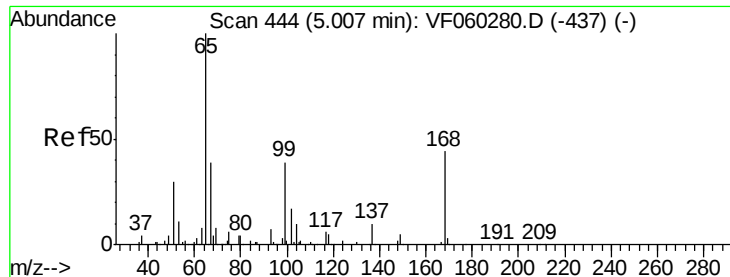
Ion Ratio Lower Upper

42 100

72 0.0 32.6 49.0#

71 12.3 32.7 49.1#

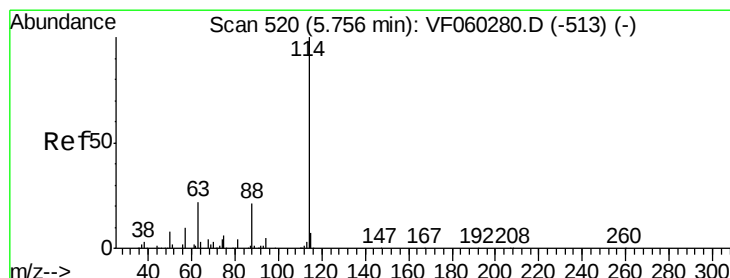
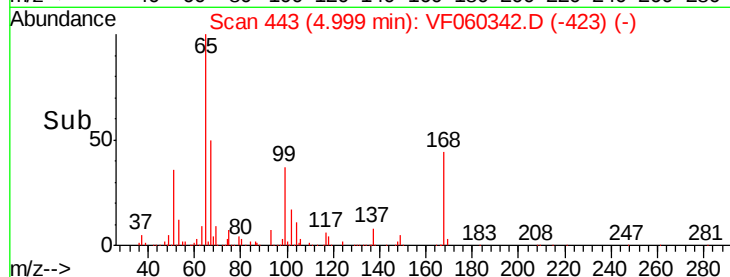
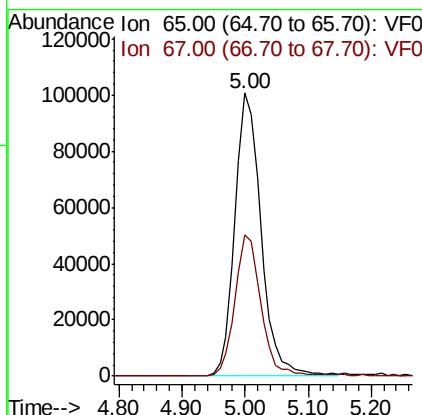
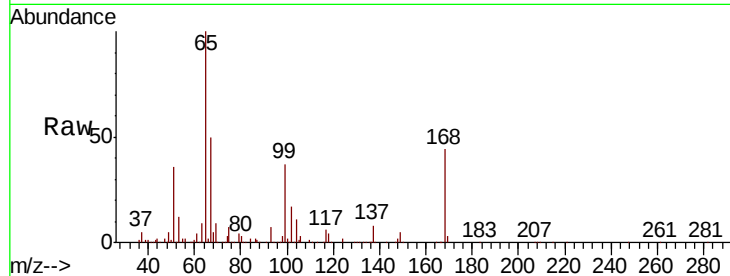




#33
 1,2-Dichloroethane-d4
 Concen: 55.484 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: VF060342.D
 Acq: 25 Sep 2018 23:18

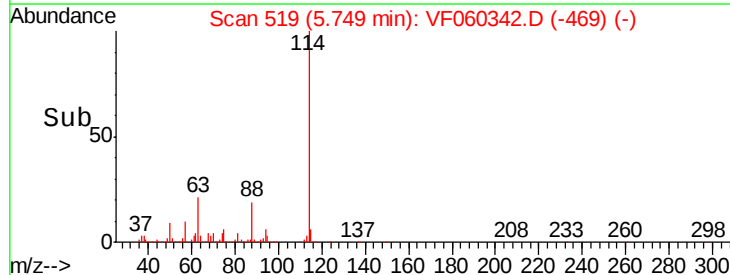
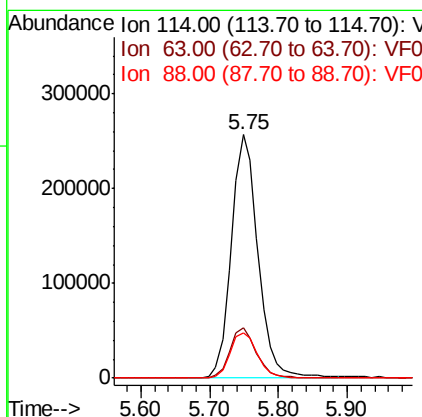
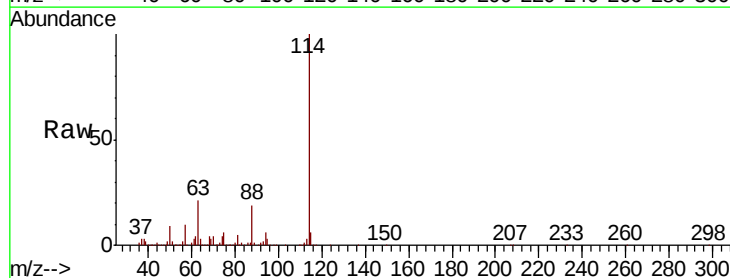
Instrument :
 MSVOA_F
 ClientSampled :
 TP-D

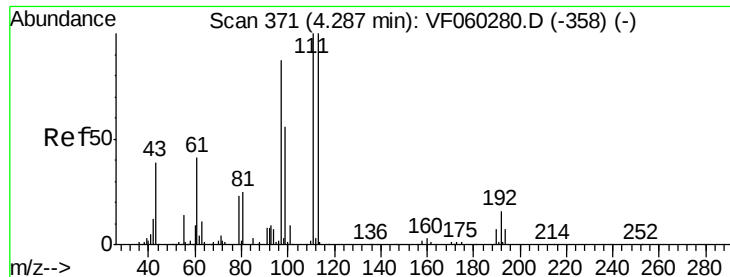
Tgt Ion: 65 Resp: 289337
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060342.D
 Acq: 25 Sep 2018 23:18

Tgt Ion: 114 Resp: 688778
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.8
 88 18.6 0.0 41.2

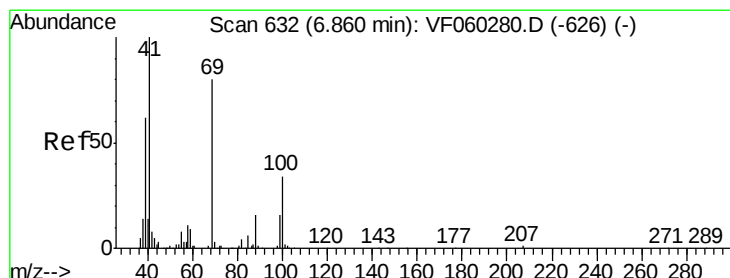
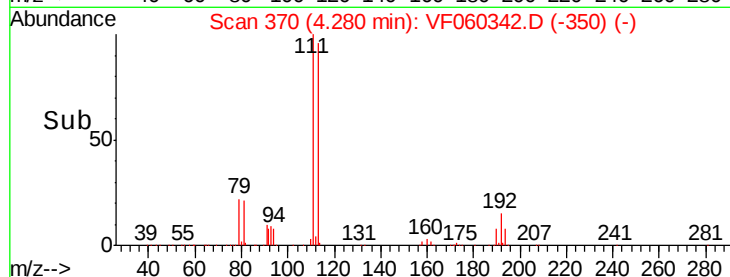
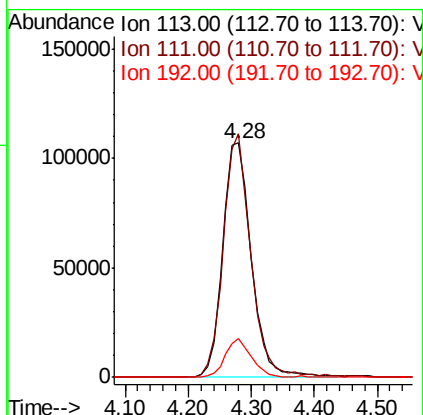
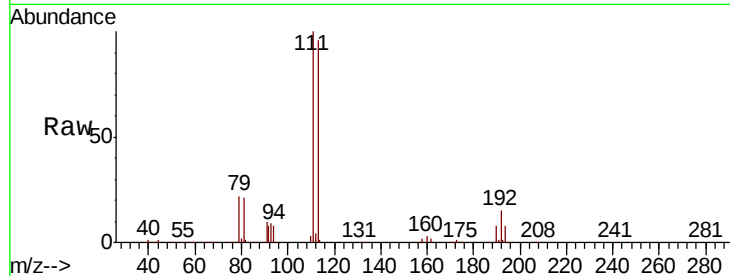




#35
 Dibromofluoromethane
 Concen: 55.268 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060342.D
 Acq: 25 Sep 2018 23:18

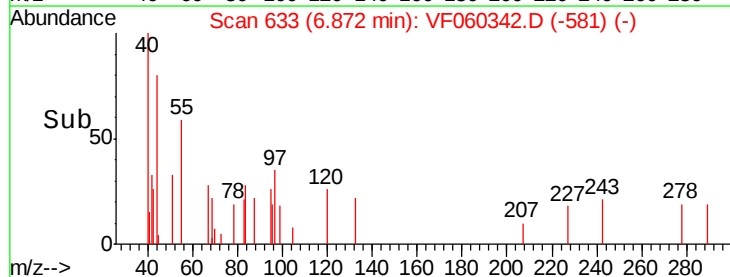
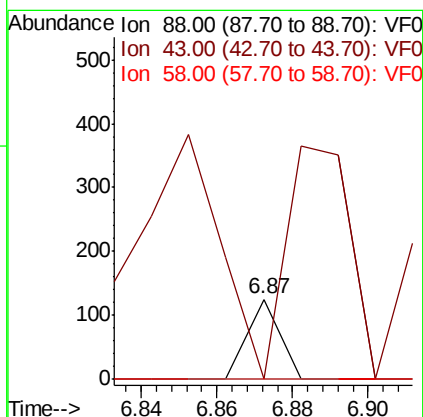
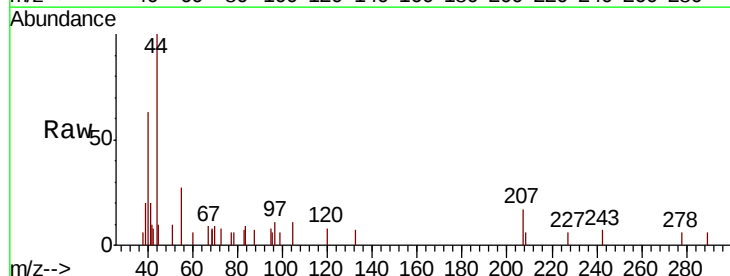
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-D

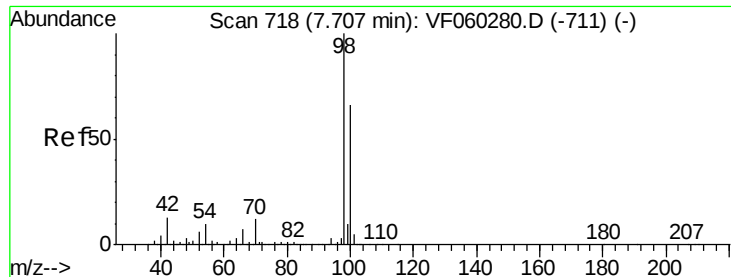
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.6	119.4
192	16.7	13.0	19.6



#49
 1,4-Dioxane
 Concen: 2.660 ug/l
 RT: 6.87 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VF060342.D
 Acq: 25 Sep 2018 23:18

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	40.2	60.4#
58	0.0	56.7	85.1#





#50

Toluene-d8

Concen: 44.238 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

Instrument :

MSVOA_F

ClientSampleId :

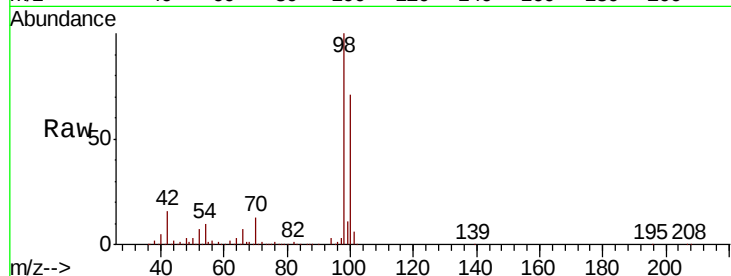
TP-D

Tgt Ion: 98 Resp: 707363

Ion Ratio Lower Upper

98 100

100 71.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.69

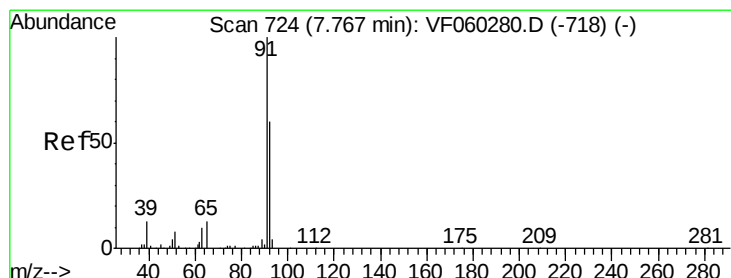
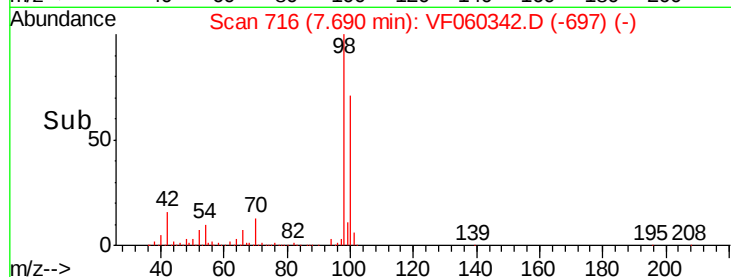
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 3.844 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060342.D

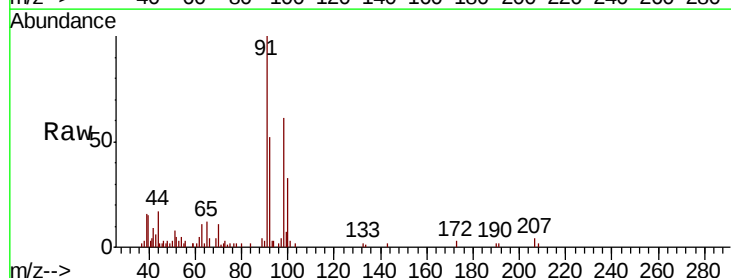
Acq: 25 Sep 2018 23:18

Tgt Ion: 63 Resp: 1535

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

7.76

800

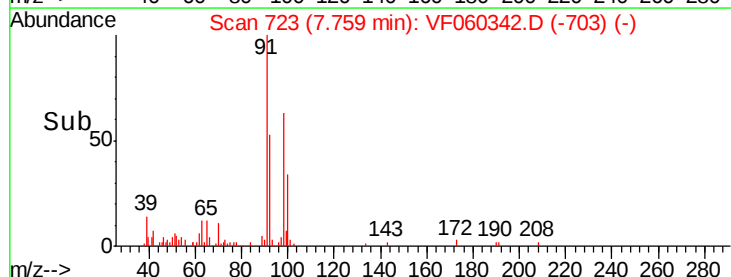
600

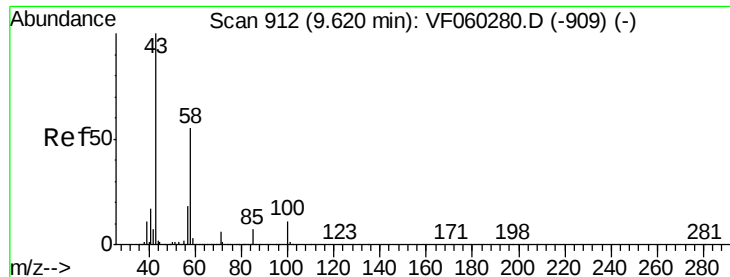
400

200

0

Time-->

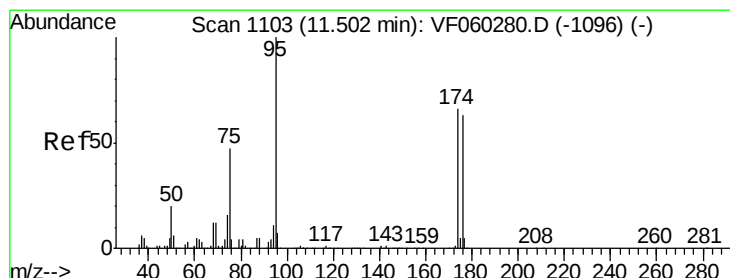
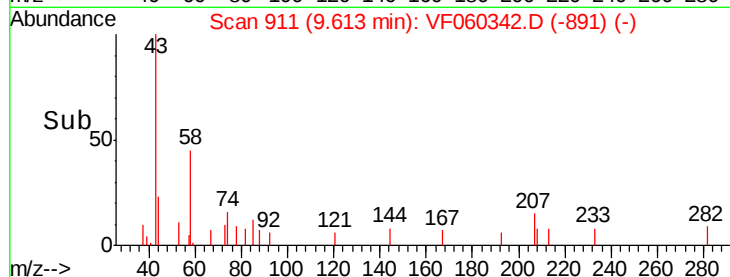
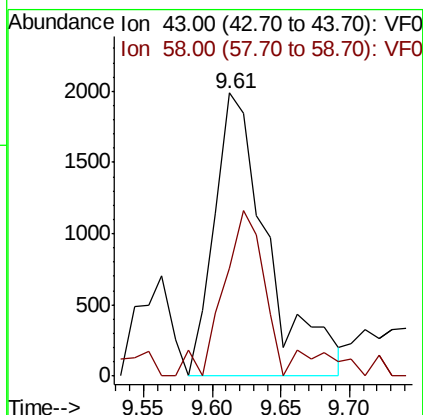
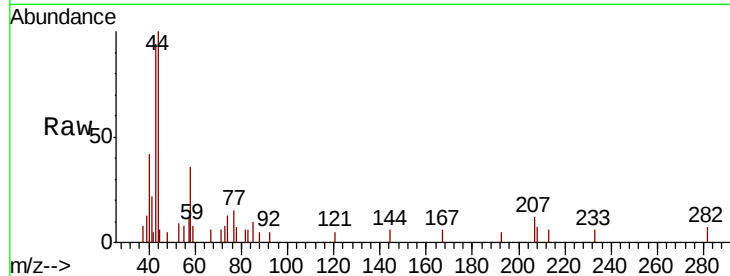




#59
2-Hexanone
Concen: 2.229 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

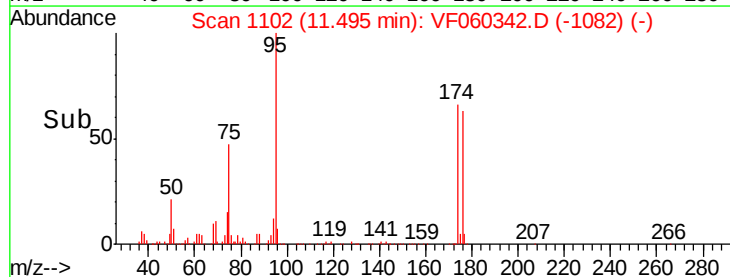
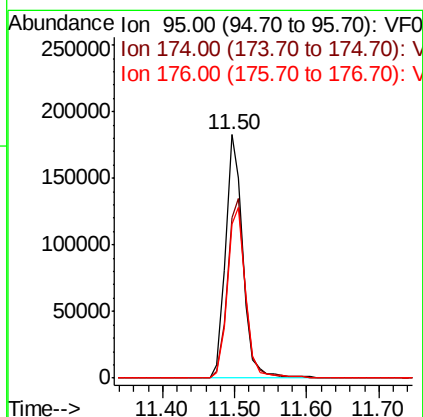
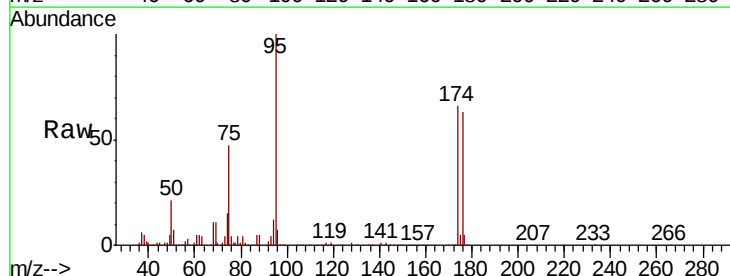
Instrument :
MSVOA_F
ClientSampled :
TP-D

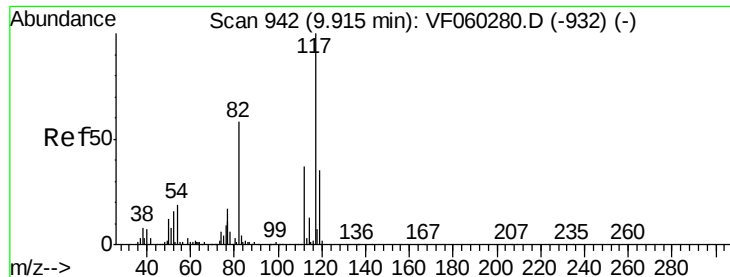
Tgt Ion: 43 Resp: 5353
Ion Ratio Lower Upper
43 100
58 38.3 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 44.118 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Tgt Ion: 95 Resp: 304938
Ion Ratio Lower Upper
95 100
174 65.9 0.0 131.2
176 63.2 0.0 126.6

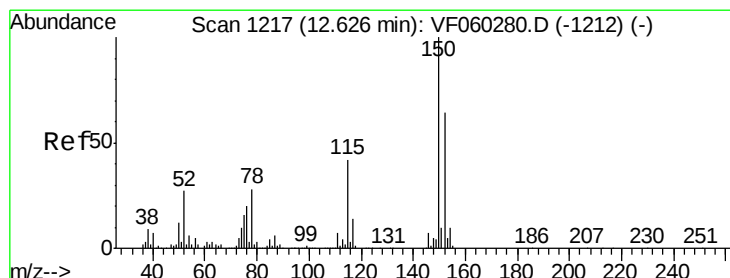
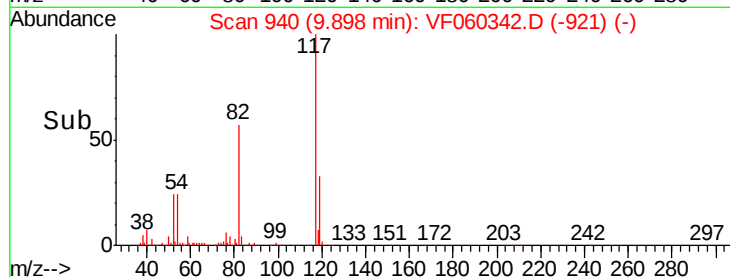
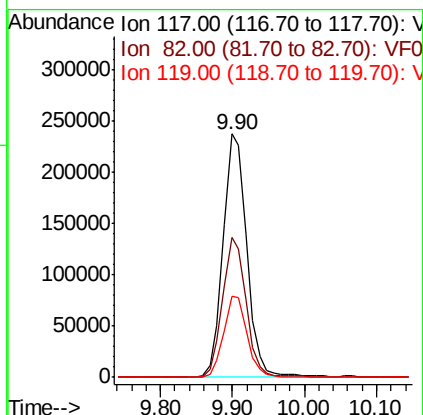
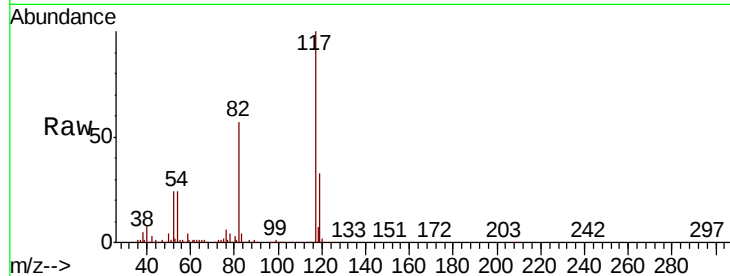




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

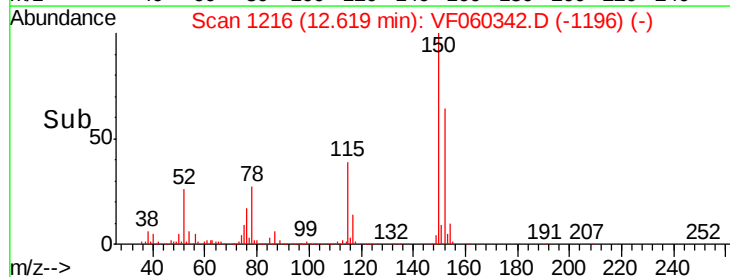
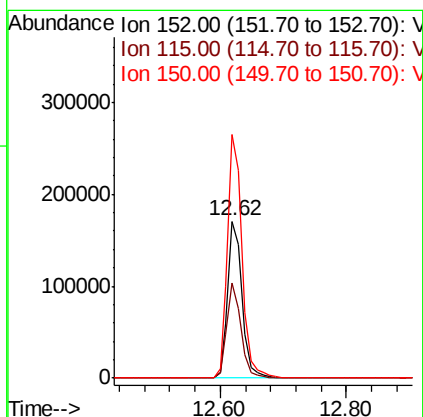
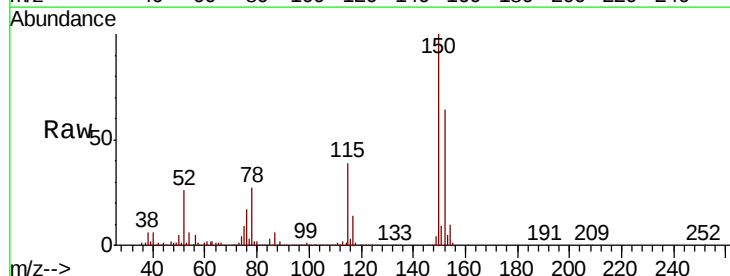
Instrument :
MSVOA_F
ClientSampleId :
TP-D

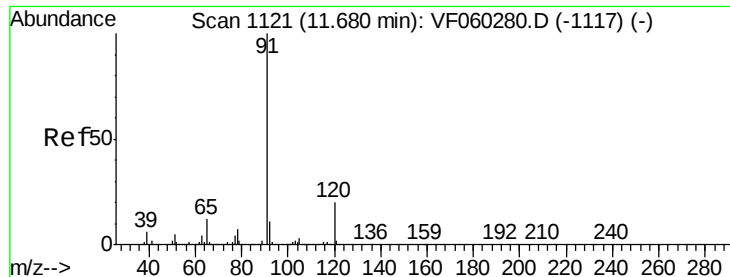
Tgt Ion:117 Resp: 543072
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 33.1 27.8 41.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060342.D
Acq: 25 Sep 2018 23:18

Tgt Ion:152 Resp: 270257
Ion Ratio Lower Upper
152 100
115 60.8 32.6 97.8
150 155.1 0.0 314.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060342.D

Acq: 25 Sep 2018 23:18

Instrument :

MSVOA_F

ClientSampled :

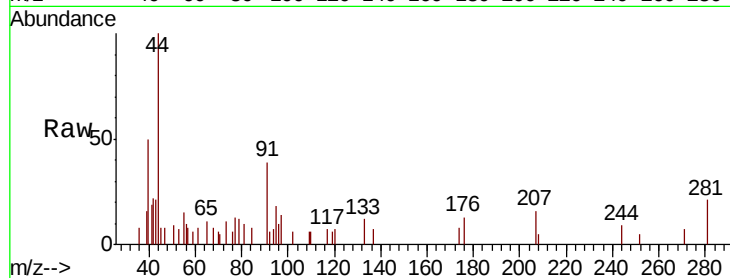
TP-D

Tgt Ion: 91 Resp: 1158

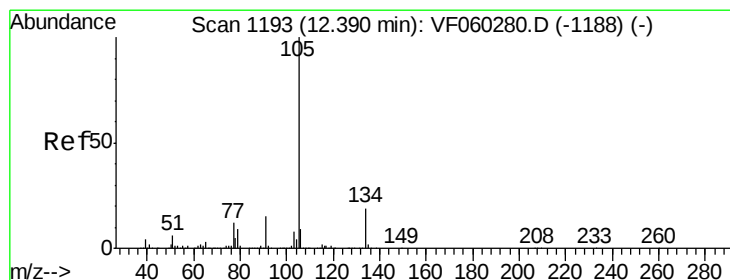
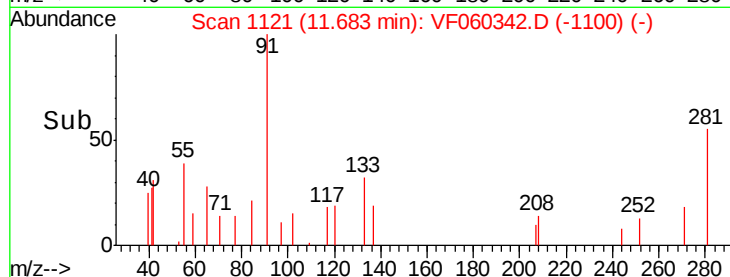
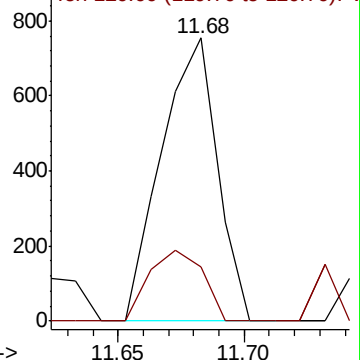
Ion Ratio Lower Upper

91 100

120 19.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF060280.D (-1117) (-)



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060342.D

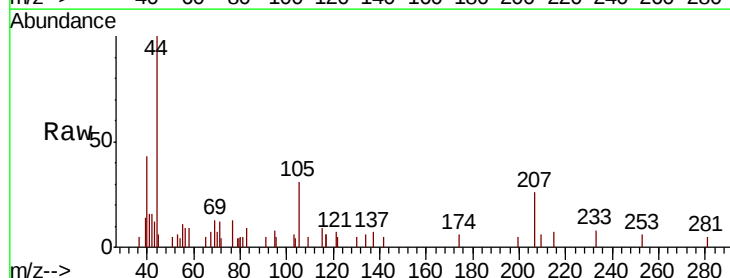
Acq: 25 Sep 2018 23:18

Tgt Ion: 105 Resp: 1559

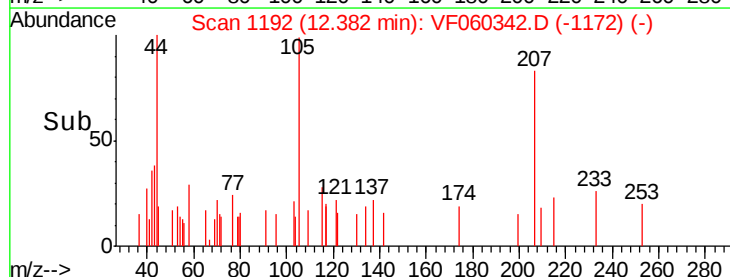
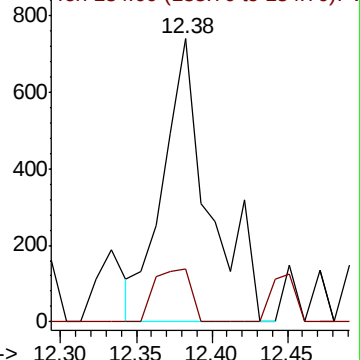
Ion Ratio Lower Upper

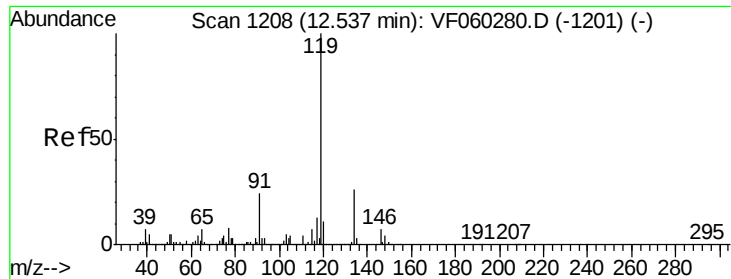
105 100

134 19.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): VF060280.D (-1188) (-)





#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060342.D
 Acq: 25 Sep 2018 23:18

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-D

Tgt Ion	Ratio	Lower	Upper
119	100		
134	52.5	12.9	38.7#
91	53.1	11.9	35.7#

