

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060361.D
 Acq On : 26 Sep 2018 19:35
 Operator : VA/AP
 Sample : J5077-02
 Misc : 6.40/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-186-092418-2

Quant Time: Sep 27 03:07:26 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	309316	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	524551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	398002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	170810	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	234664	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
35) Dibromofluoromethane	4.29	113	249170	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
50) Toluene-d8	7.70	98	508902	41.79	ug/l	-0.01
Spiked Amount			Recovery	=	83.58%	
62) 4-Bromofluorobenzene	11.50	95	198433	37.70	ug/l	0.00
Spiked Amount			Recovery	=	75.40%	

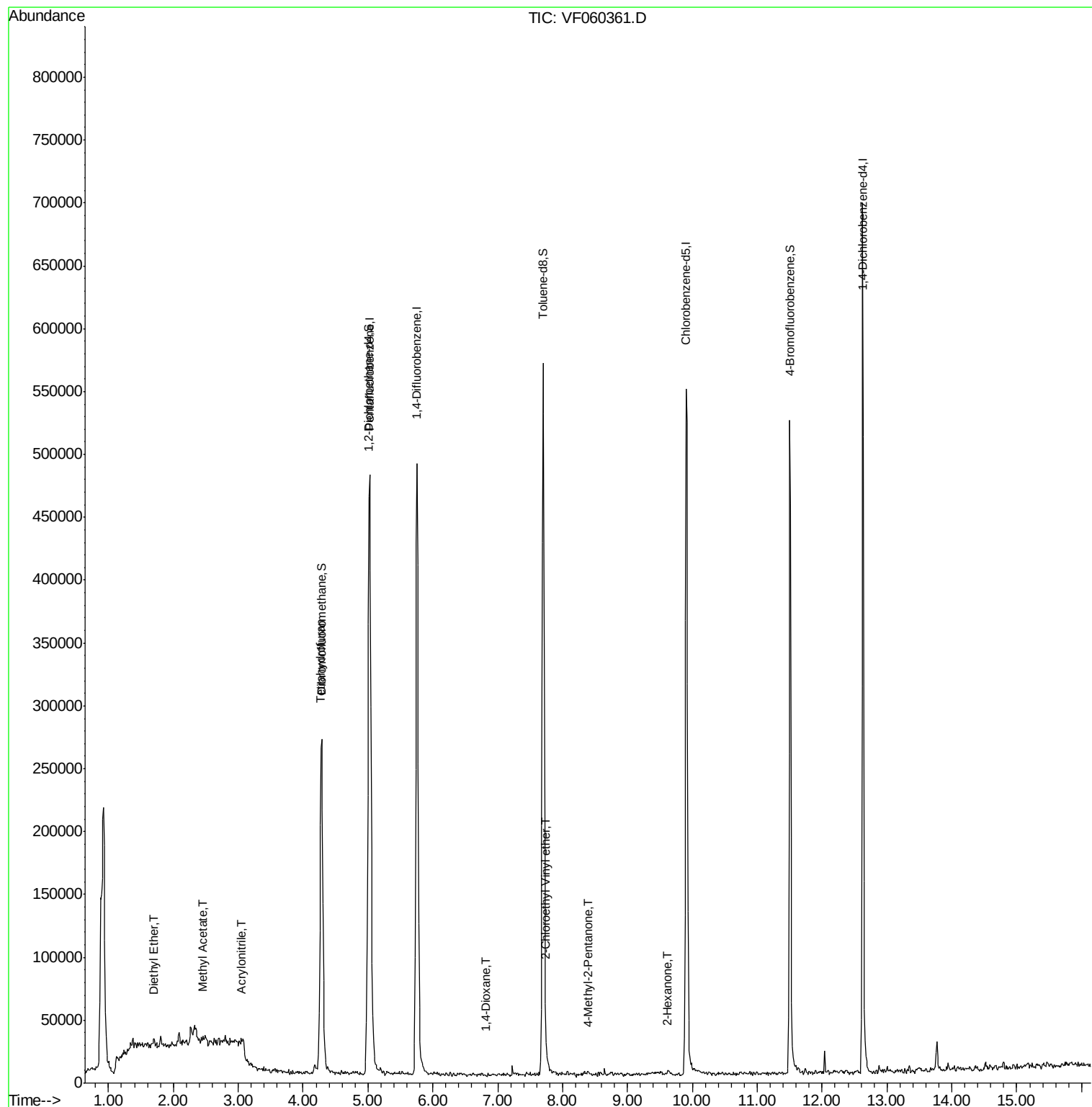
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1037	Below Cal	#	54
5) Bromomethane	1.37	94	496	Below Cal	#	43
8) Diethyl Ether	1.70	74	2801	2.104	ug/l	60
11) Tert butyl alcohol	2.65	59	766	Below Cal	#	1
13) Acrolein	2.08	56	1036	Below Cal		100
15) Acrylonitrile	3.04	53	700	1.190	ug/l #	47
17) Carbon Disulfide	1.88	76	396	Below Cal	#	1
18) Methyl Acetate	2.44	43	2598	1.330	ug/l #	81
20) Methylene Chloride	2.28	84	6574	Below Cal	#	83
29) Tetrahydrofuran	4.27	42	2839	4.910	ug/l #	48
49) 1,4-Dioxane	6.83	88	95	4.545	ug/l #	12
51) 4-Methyl-2-Pentanone	8.40	43	3099	1.206	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.75	63	371	1.220	ug/l	100
59) 2-Hexanone	9.63	43	3863	2.112	ug/l	87
78) n-propylbenzene	11.69	91	727	Below Cal	#	74
85) sec-Butylbenzene	12.38	105	858	Below Cal		85
86) p-Isopropyltoluene	12.54	119	817	Below Cal	#	1
89) n-Butylbenzene	12.92	91	1138	Below Cal	#	53

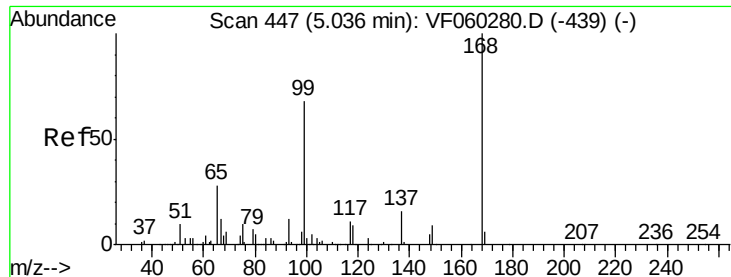
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

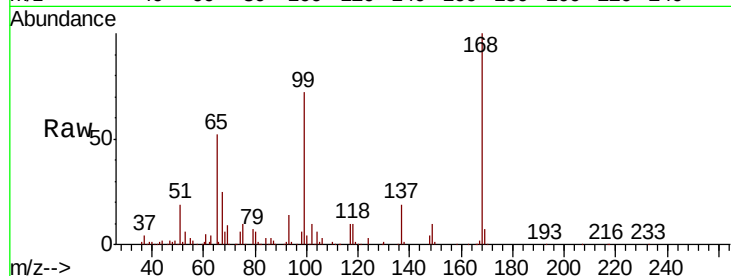
PARCEL-186-092418-2

Tot Ion:168 Resp: 309316

Ion Ratio Lower Upper

168 100

99 72.0 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

100000

80000

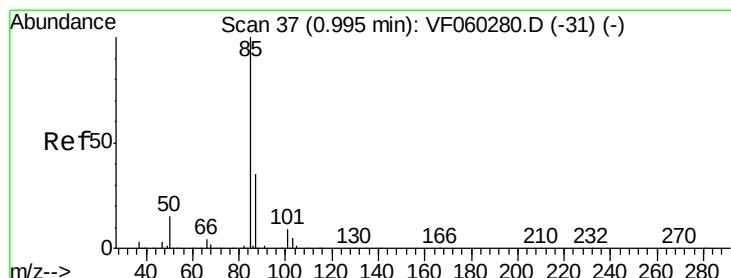
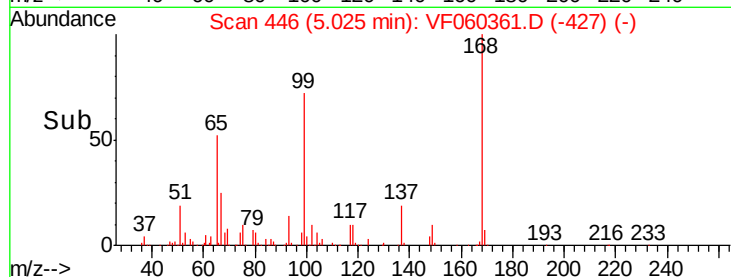
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060361.D

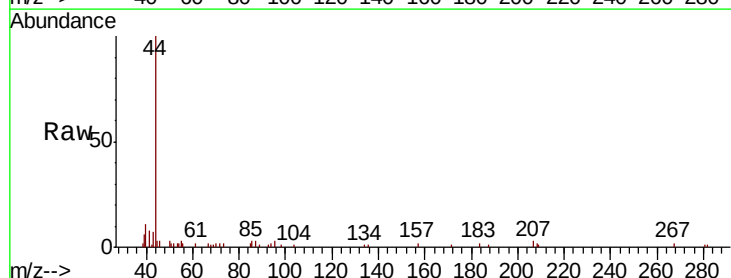
Acq: 26 Sep 2018 19:35

Tgt Ion: 85 Resp: 1037

Ion Ratio Lower Upper

85 100

87 61.2 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

500

400

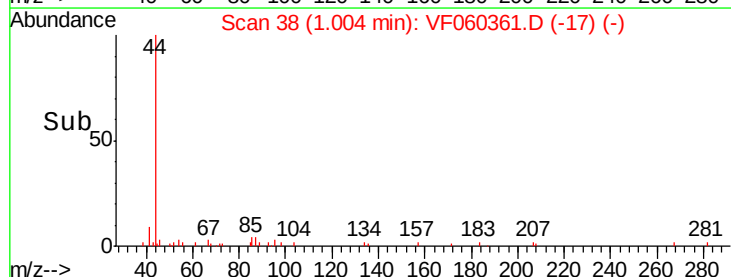
300

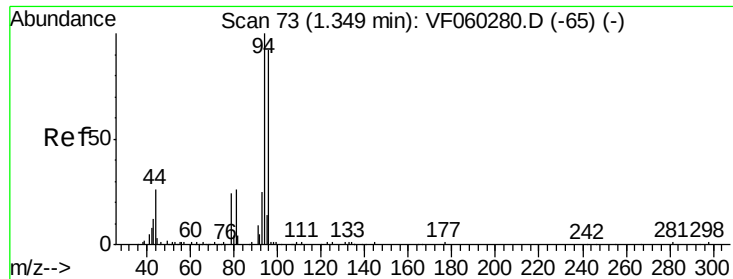
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.37 min Scan# 75

Delta R.T. 0.02 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

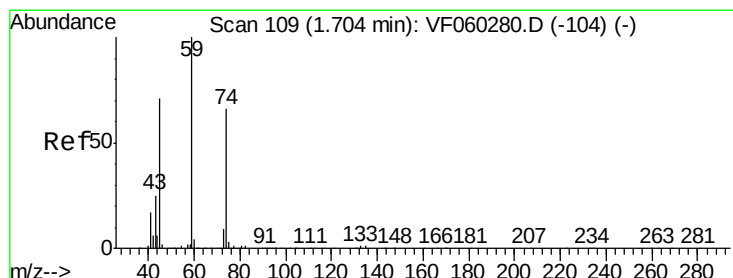
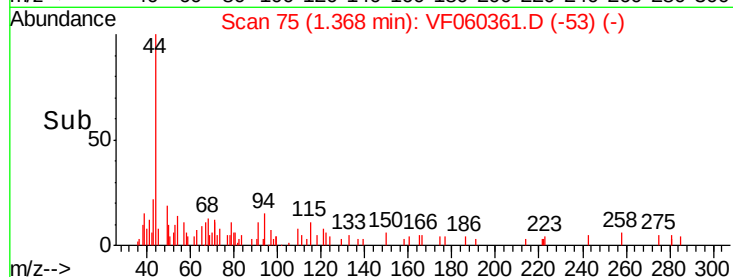
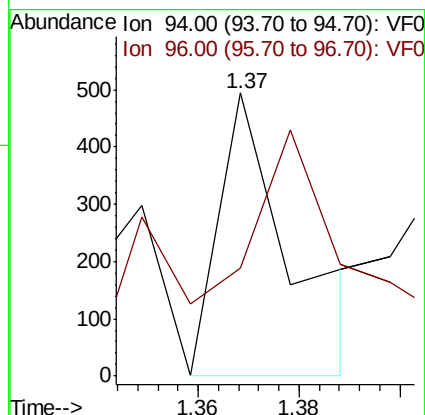
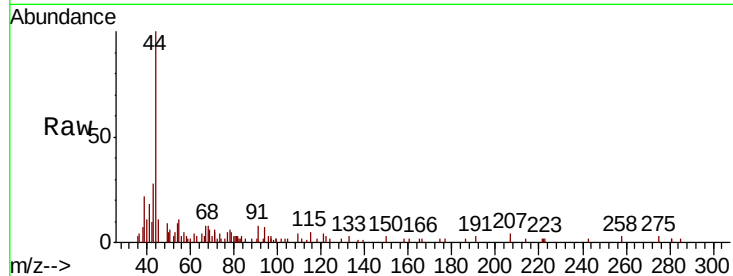
PARCEL-186-092418-2

Tot Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 38.1 73.9 110.9#



#8

Diethyl Ether

Concen: 2.104 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060361.D

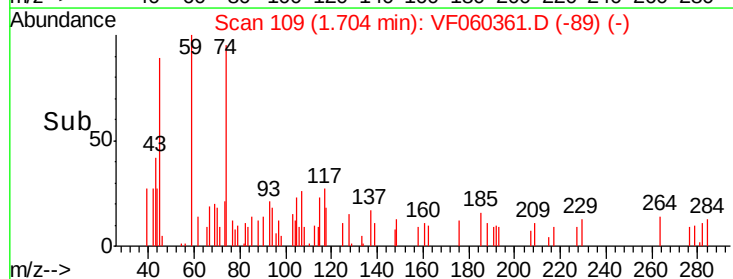
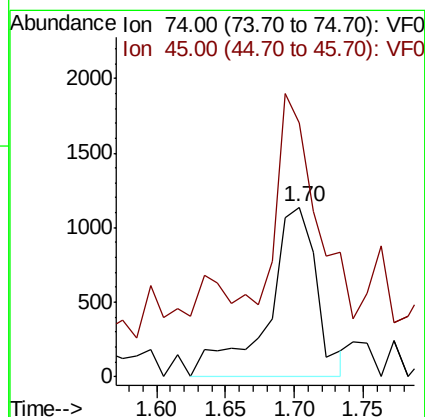
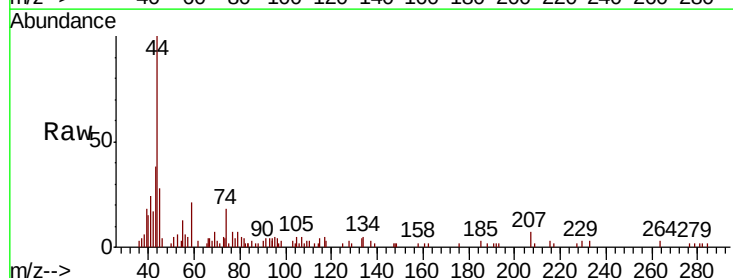
Acq: 26 Sep 2018 19:35

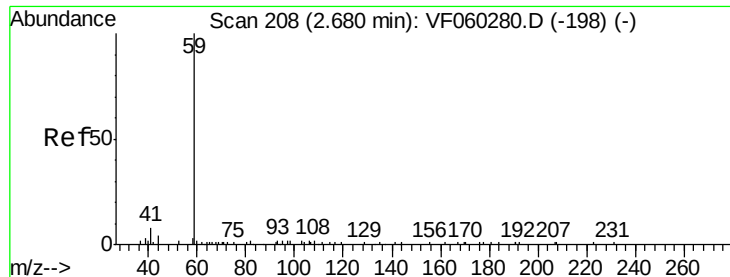
Tgt Ion: 74 Resp: 2801

Ion Ratio Lower Upper

74 100

45 149.7 53.9 161.7

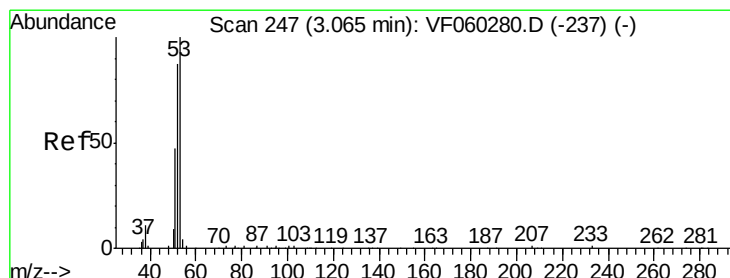
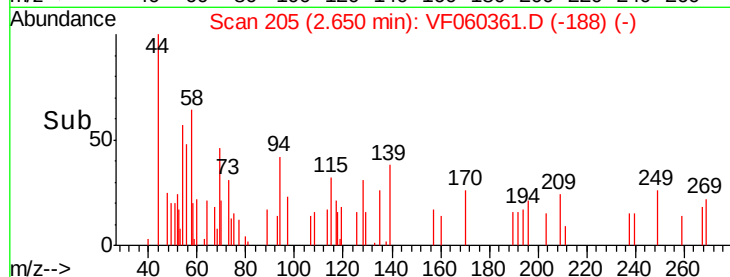
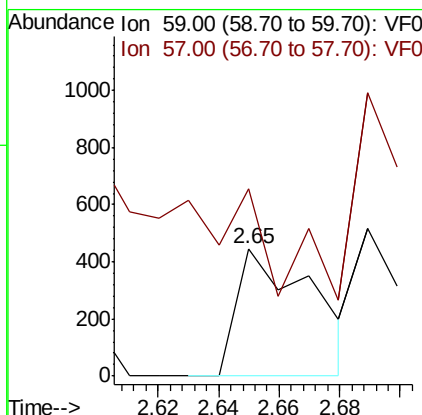
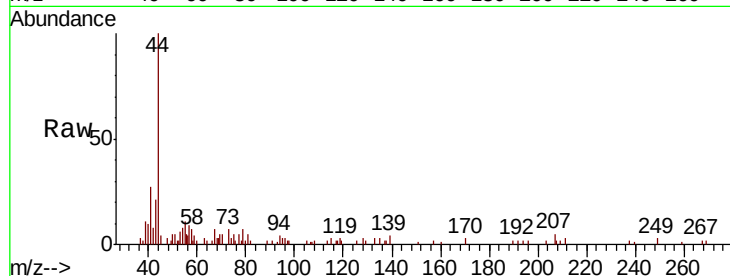




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.65 min Scan# 205
Delta R.T. -0.03 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

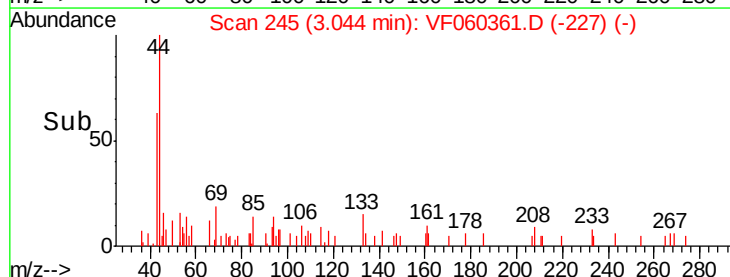
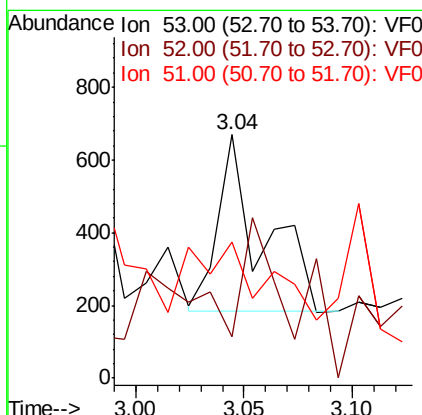
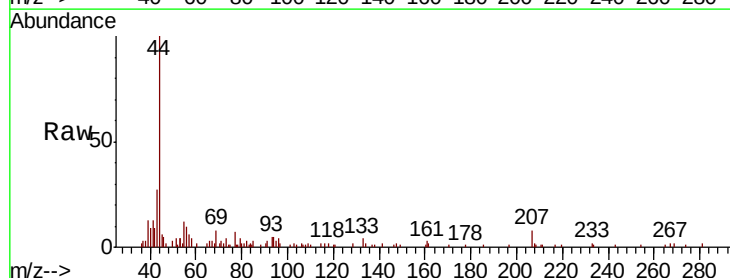
Instrument :
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PARCEL-186-092418-2

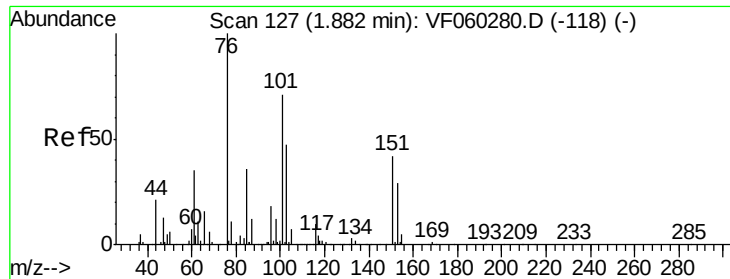
Tot Ion: 59 Resp: 766
Ion Ratio Lower Upper
59 100
57 146.5 12.4 18.6#



#15
Acrylonitrile
Concen: 1.190 ug/l
RT: 3.04 min Scan# 245
Delta R.T. -0.02 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Tgt Ion: 53 Resp: 700
Ion Ratio Lower Upper
53 100
52 17.0 69.5 104.3#
51 56.1 38.1 57.1

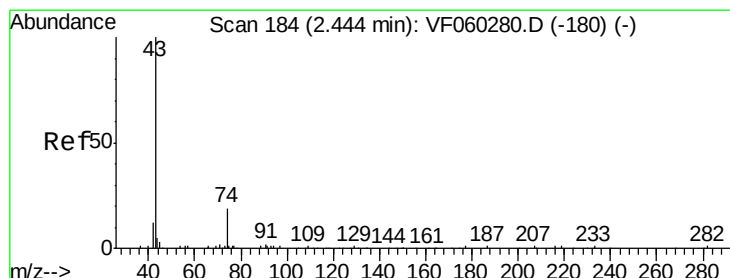
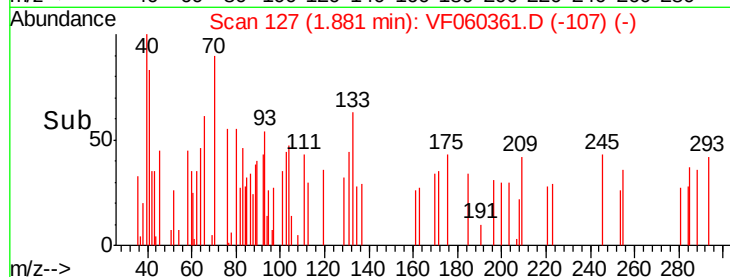
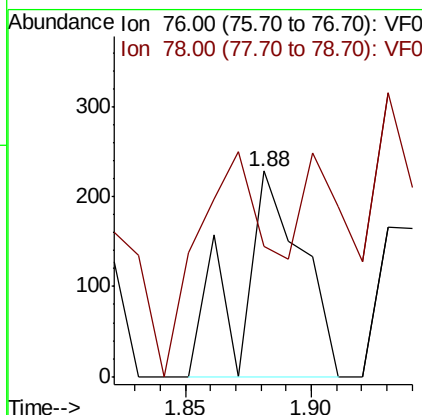
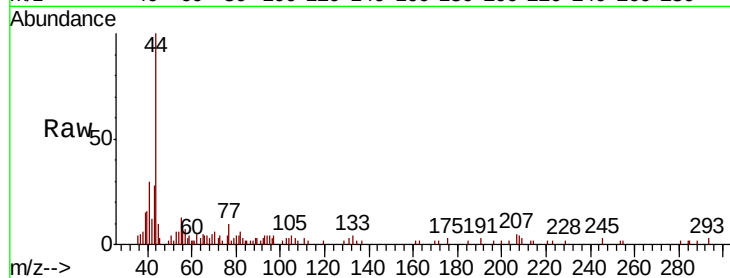




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.88 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

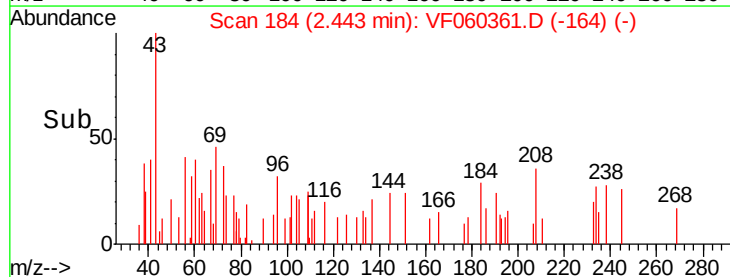
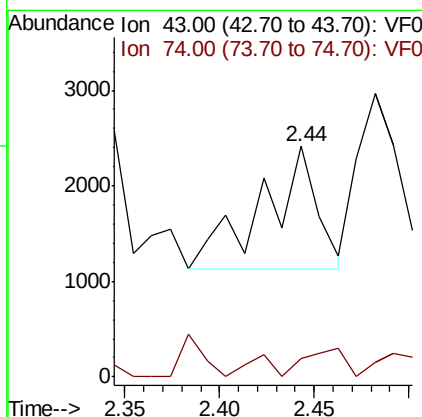
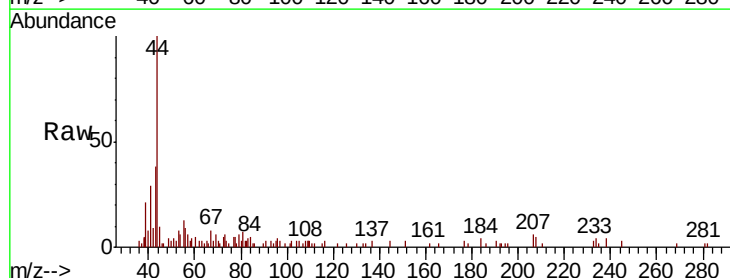
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-2

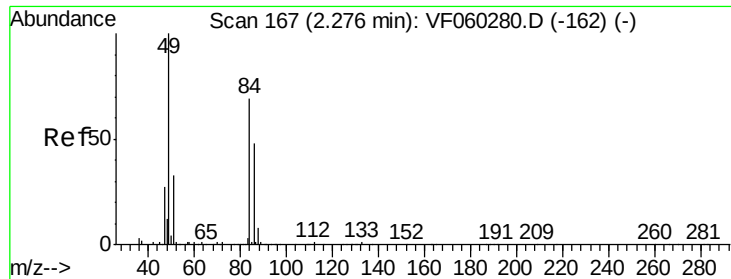
Tot Ion: 76 Resp: 396
Ion Ratio Lower Upper
76 100
78 63.6 9.4 14.0#



#18
Methyl Acetate
Concen: 1.330 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
74 8.0 12.7 19.1#

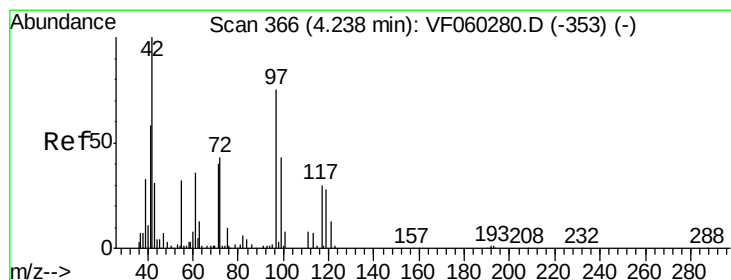
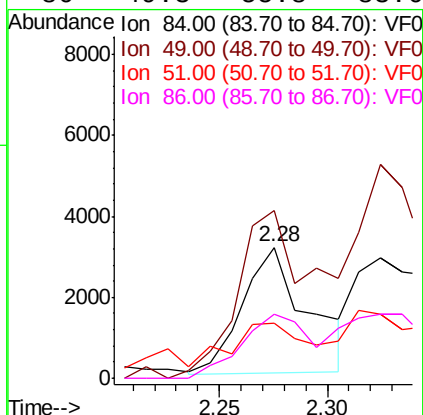
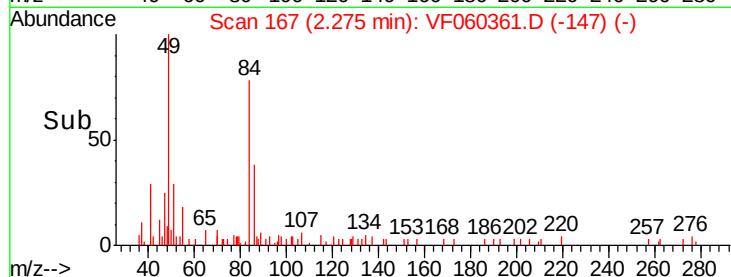
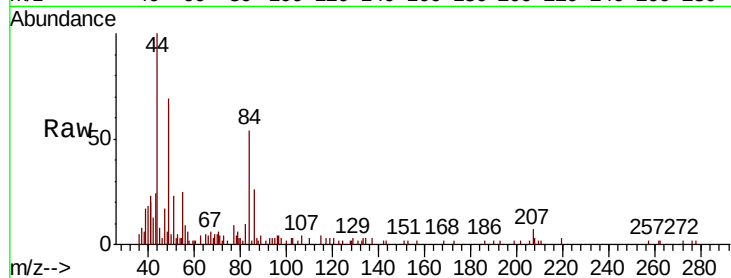




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

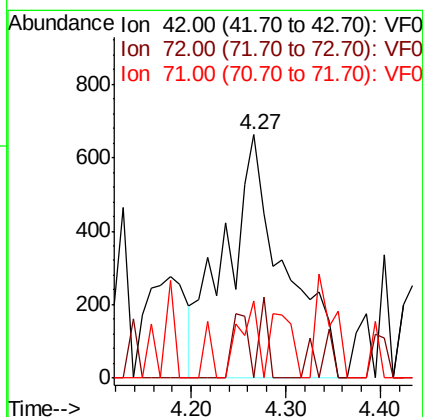
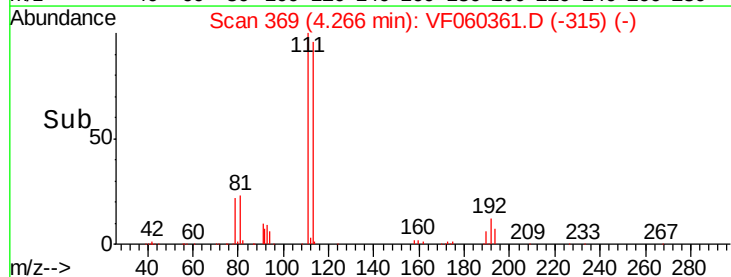
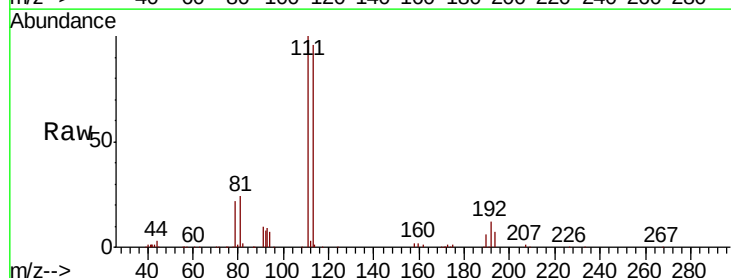
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ClientSampleId :
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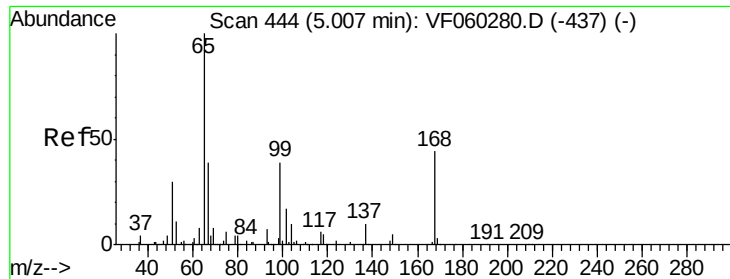
Tot Ion: 84 Resp: 6574
Ion Ratio Lower Upper
84 100
49 128.3 118.3 177.5
51 42.4 38.7 58.1
86 49.3 55.8 83.6#



#29
Tetrahydrofuran
Concen: 4.910 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.03 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Tgt Ion: 42 Resp: 2839
Ion Ratio Lower Upper
42 100
72 7.2 32.6 49.0#
71 9.8 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 56.341 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

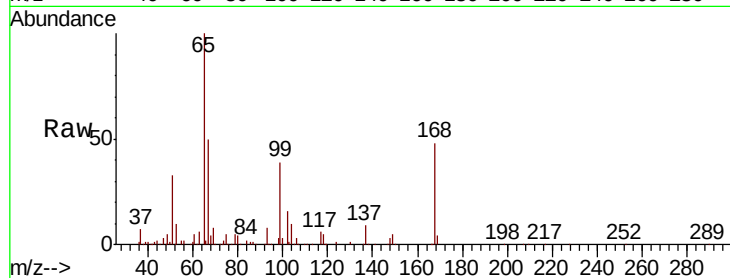
PARCEL-186-092418-2

Tot Ion: 65 Resp: 234664

Ion Ratio Lower Upper

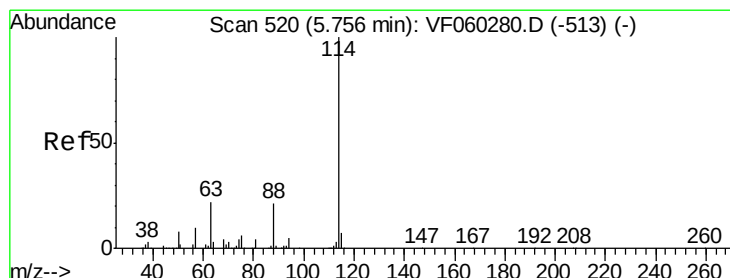
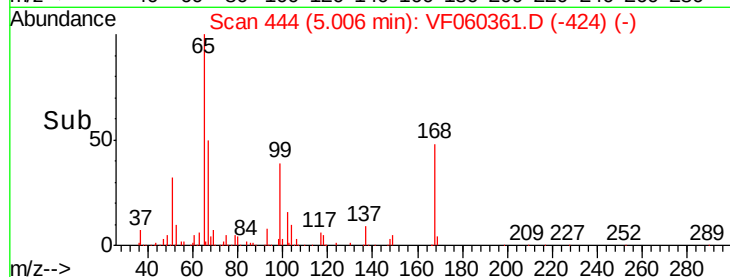
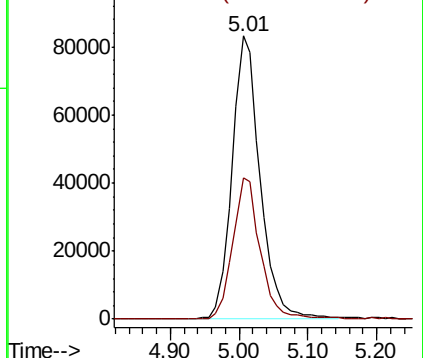
65 100

67 50.1 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

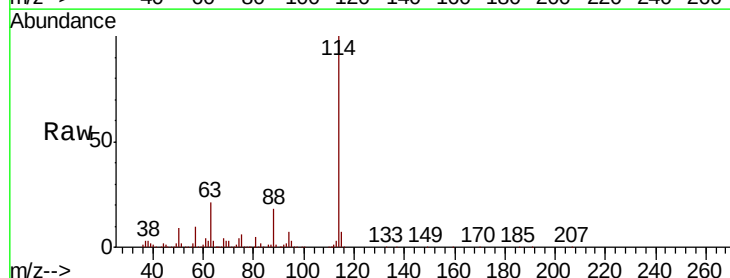
Tgt Ion: 114 Resp: 524551

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

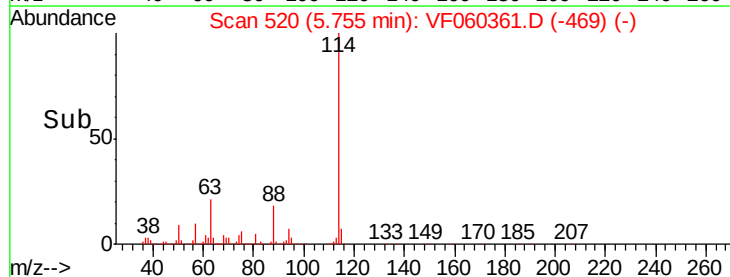
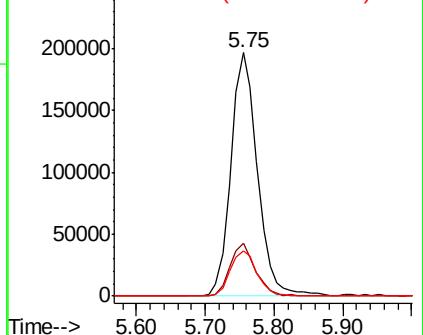
88 18.4 0.0 41.2

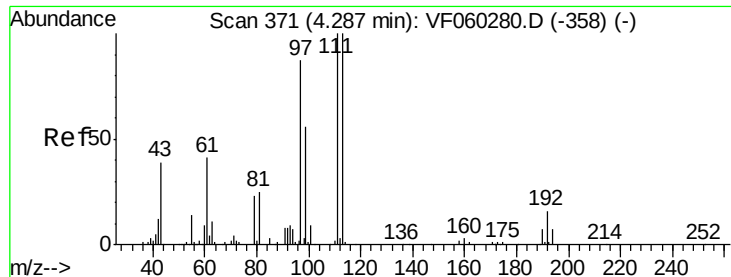


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

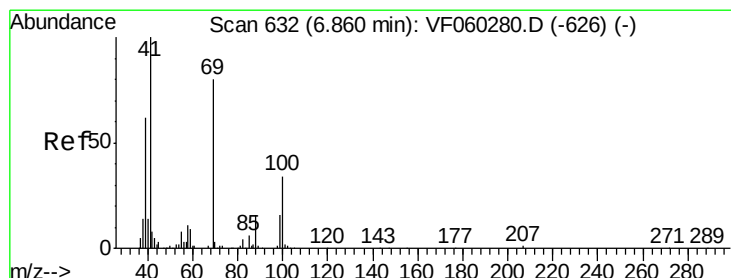
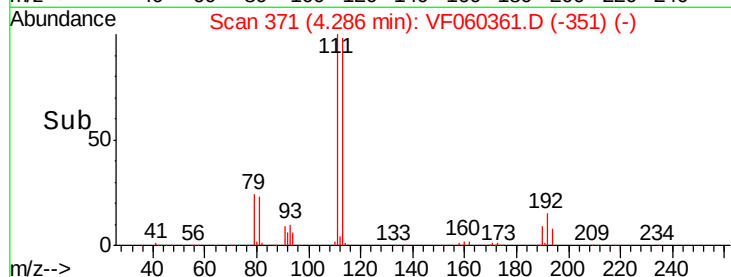
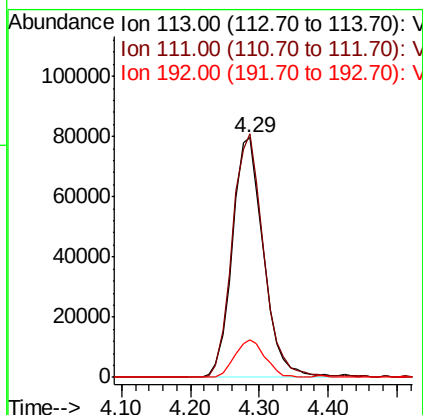
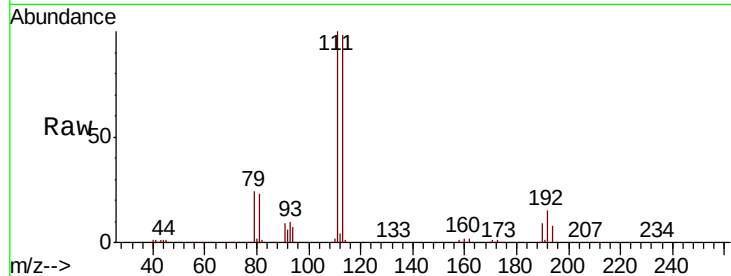




#35
 Dibromofluoromethane
 Concen: 53.287 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VF060361.D
 Acq: 26 Sep 2018 19:35

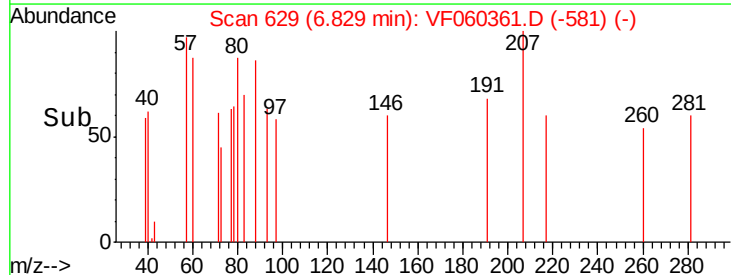
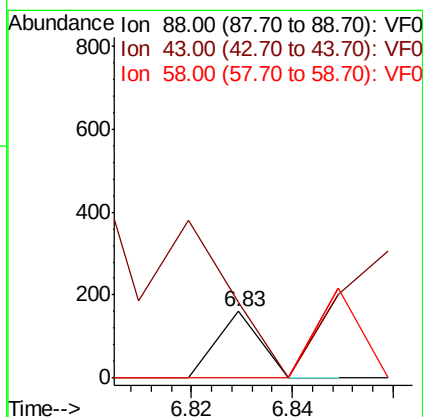
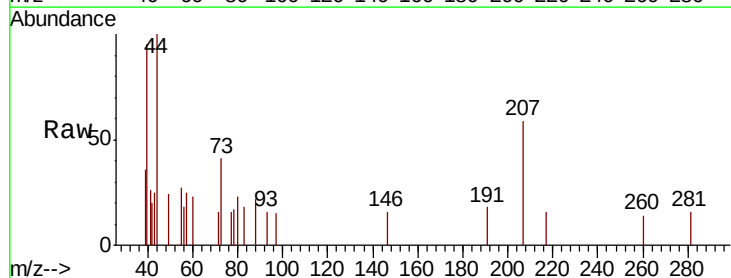
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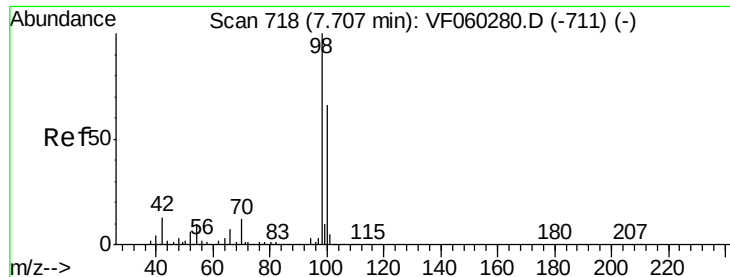
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.6	119.4
192	15.7	13.0	19.6



#49
 1,4-Dioxane
 Concen: 4.545 ug/l
 RT: 6.83 min Scan# 629
 Delta R.T. -0.03 min
 Lab File: VF060361.D
 Acq: 26 Sep 2018 19:35

Tgt Ion	Ratio	Lower	Upper
88	100		
43	113.0	40.2	60.4#
58	0.0	56.7	85.1#





#50

Toluene-d8

Concen: 41.791 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

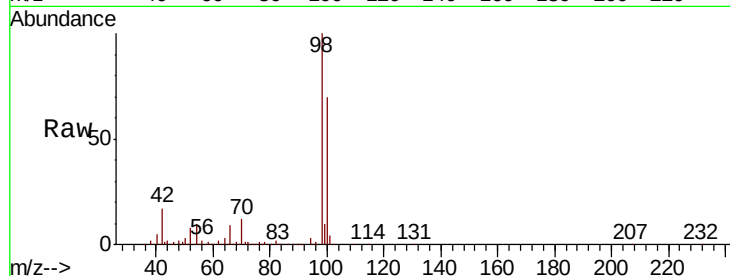
PARCEL-186-092418-2

Tot Ion: 98 Resp: 508902

Ion Ratio Lower Upper

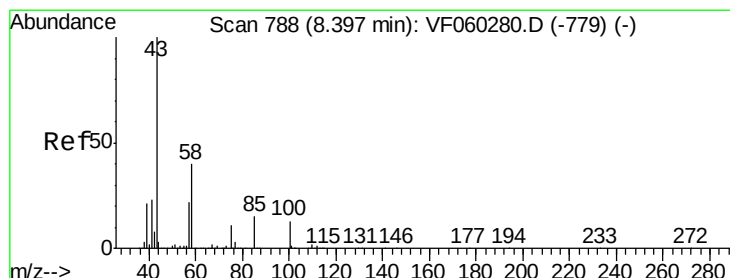
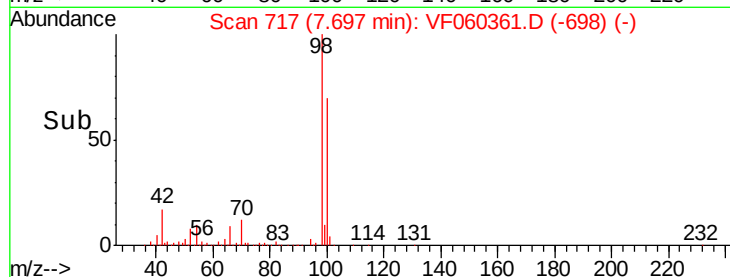
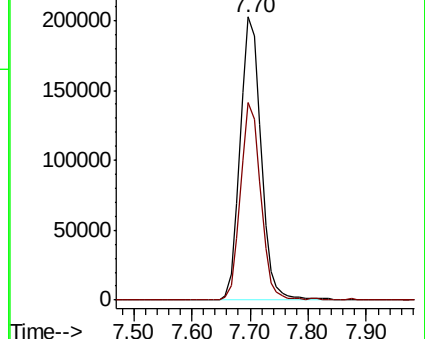
98 100

100 69.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.206 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060361.D

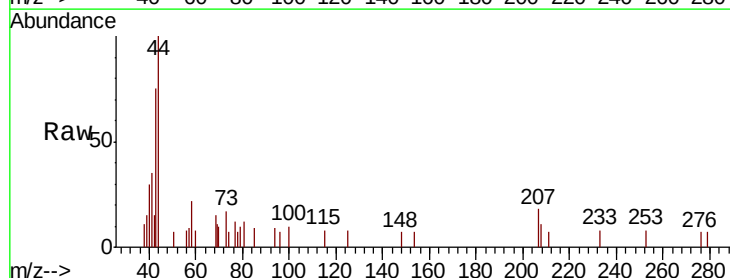
Acq: 26 Sep 2018 19:35

Tgt Ion: 43 Resp: 3099

Ion Ratio Lower Upper

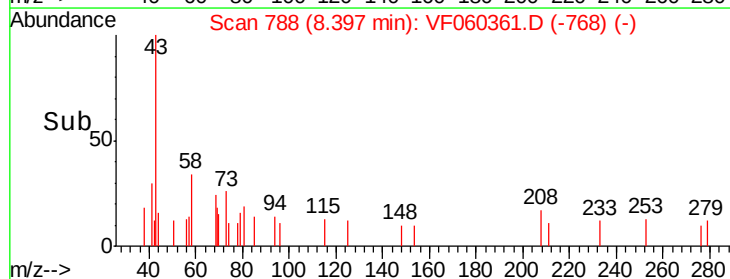
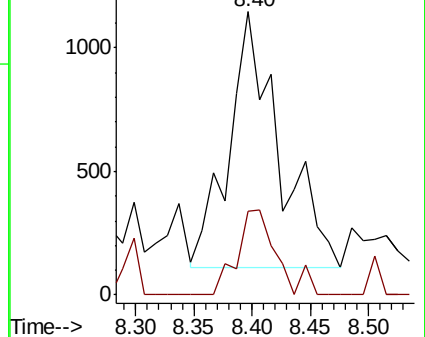
43 100

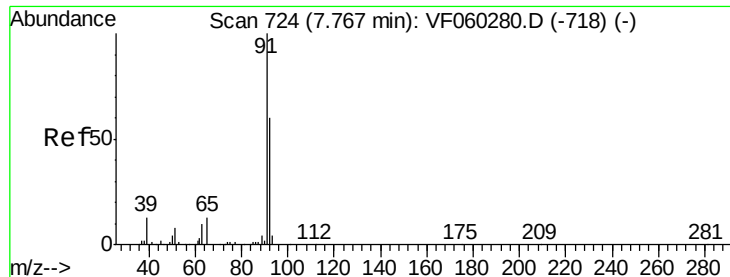
58 29.7 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

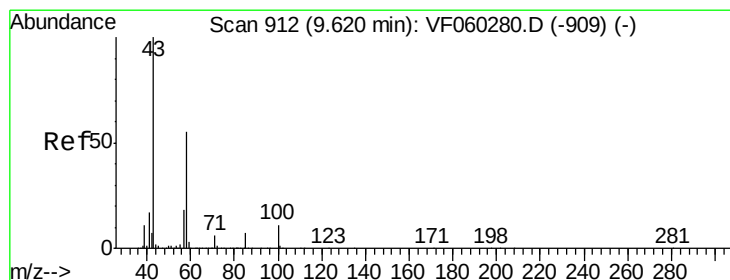
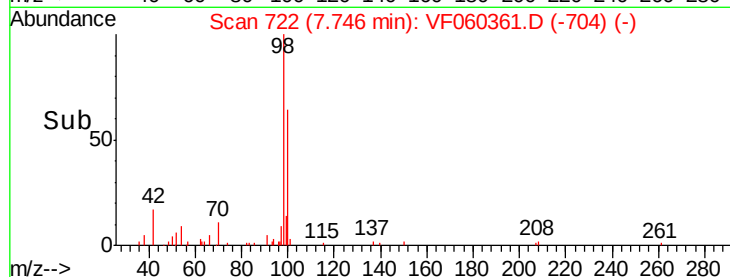
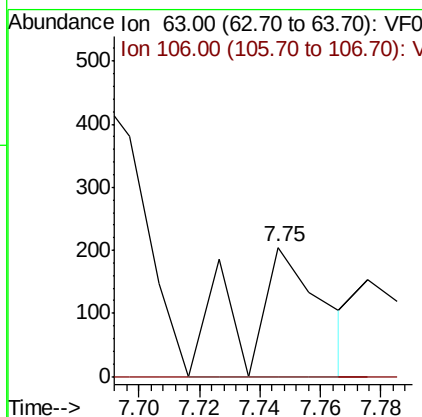
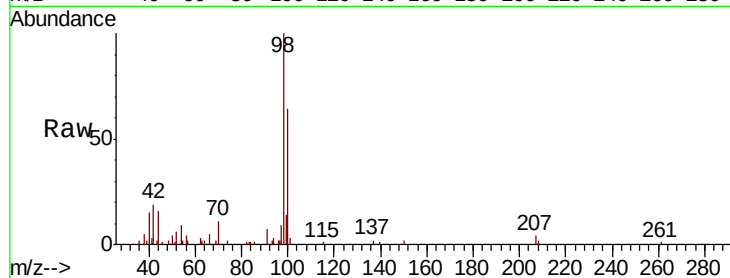




#58
2-Chloroethyl Vinyl ether
Concen: 1.220 ug/l
RT: 7.75 min Scan# 722
Delta R.T. -0.02 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

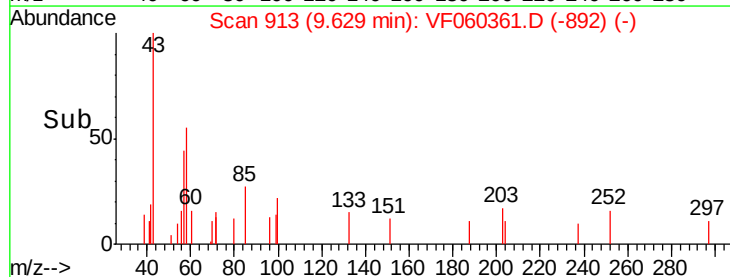
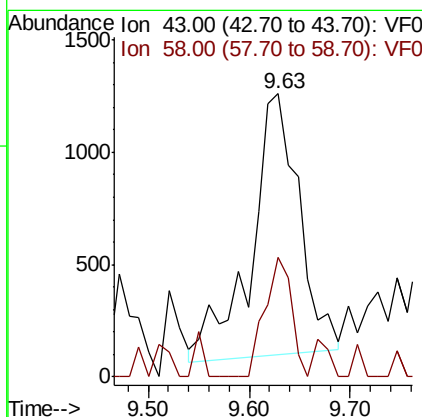
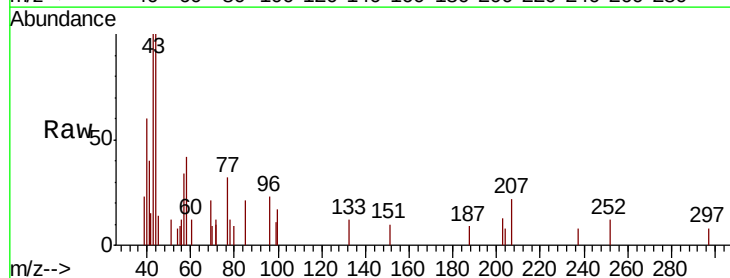
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-2

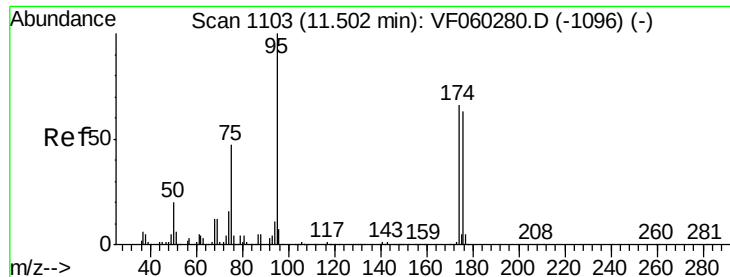
Tot Ion: 63 Resp: 371
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 2.112 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Tgt Ion: 43 Resp: 3863
Ion Ratio Lower Upper
43 100
58 42.3 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 37.697 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

Instrument :

MSVOA_F

ClientSampleId :

PARCEL-186-092418-2

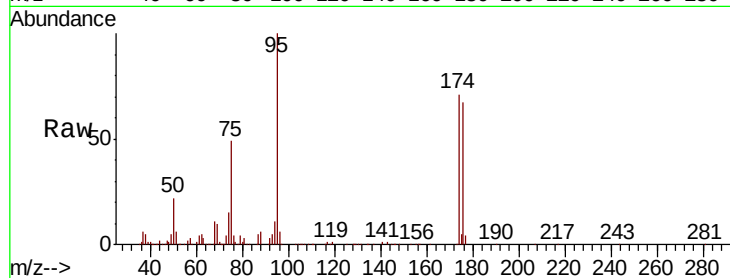
Tot Ion: 95 Resp: 198433

Ion Ratio Lower Upper

95 100

174 70.7 0.0 131.2

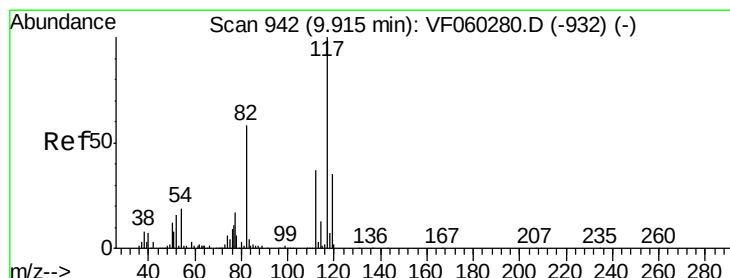
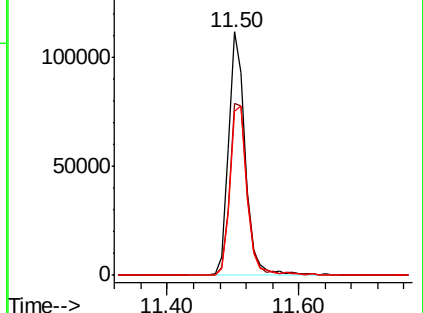
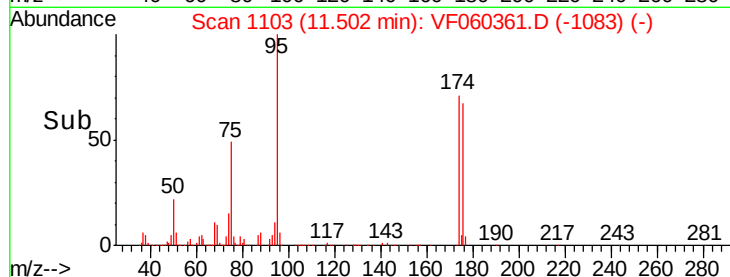
176 67.3 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060361.D

Acq: 26 Sep 2018 19:35

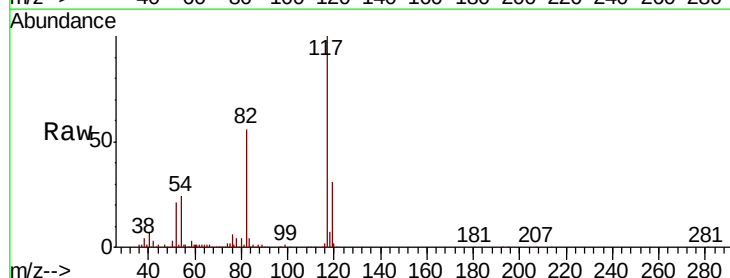
Tgt Ion: 117 Resp: 398002

Ion Ratio Lower Upper

117 100

82 55.8 46.2 69.2

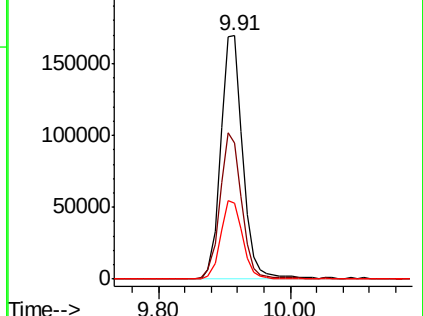
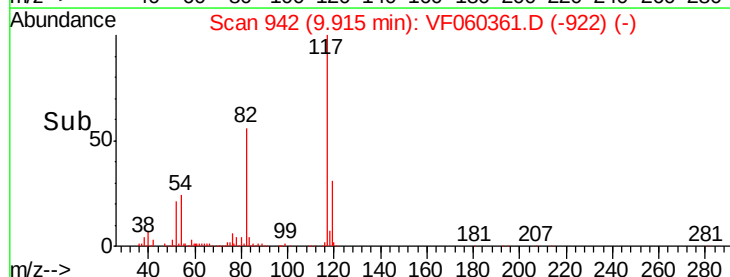
119 31.4 27.8 41.6

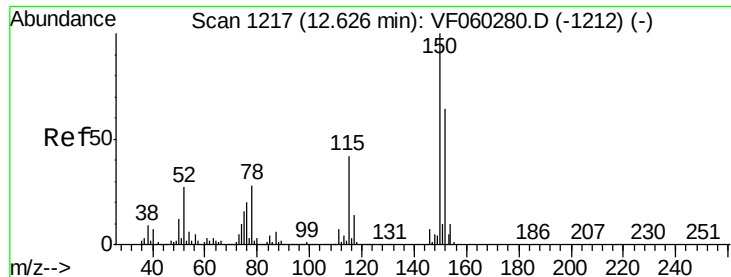


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



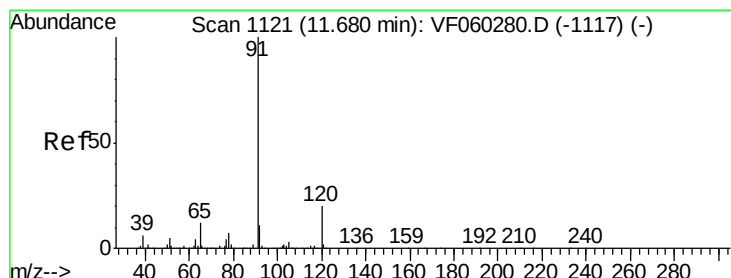
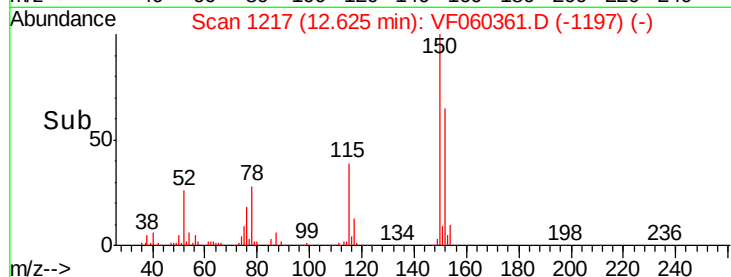
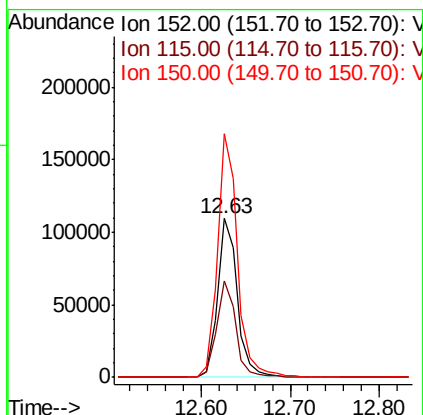
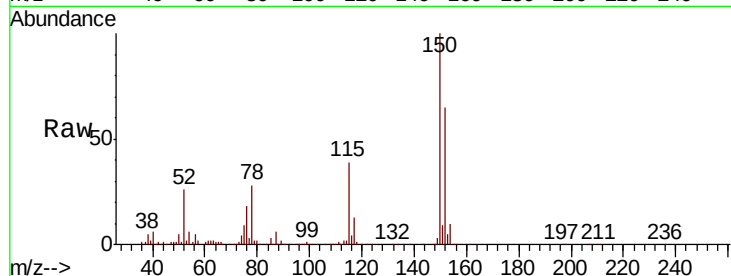


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-2

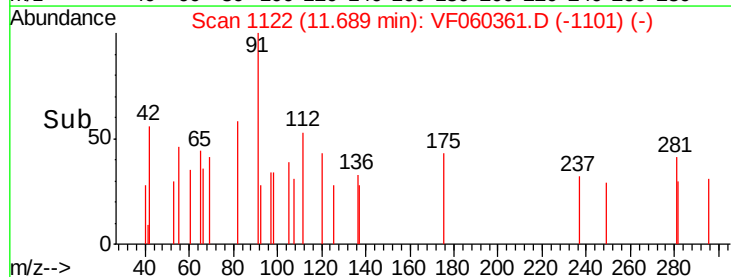
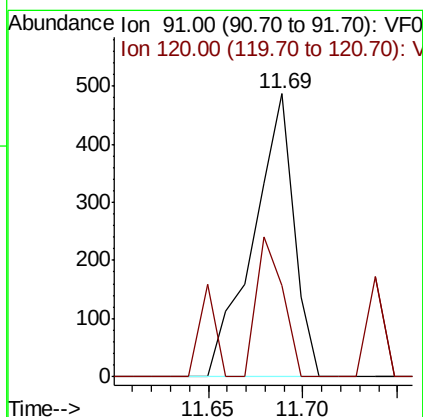
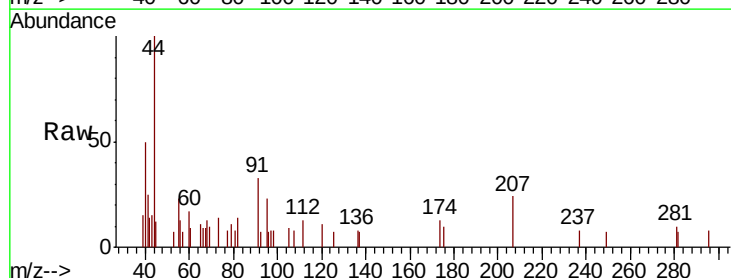
Tot Ion:152 Resp: 170810
Ion Ratio Lower Upper
152 100
115 60.4 32.6 97.8
150 153.3 0.0 314.2

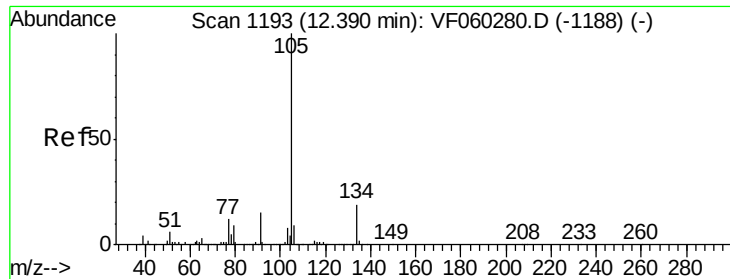


#78

n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF060361.D
Acq: 26 Sep 2018 19:35

Tgt Ion: 91 Resp: 727
Ion Ratio Lower Upper
91 100
120 32.0 10.0 29.8#

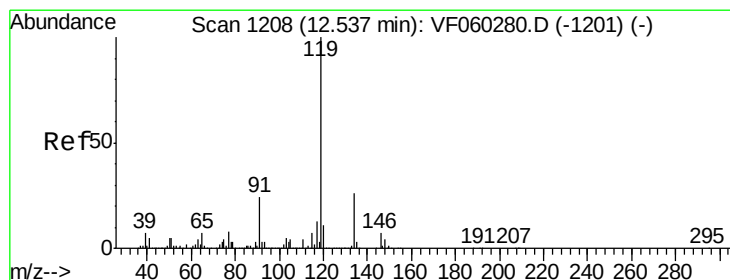
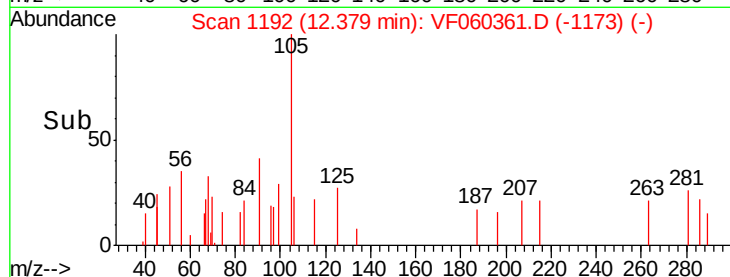
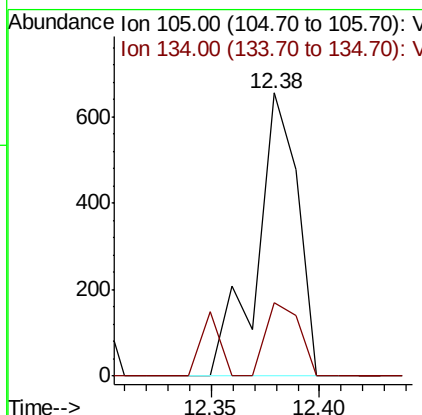
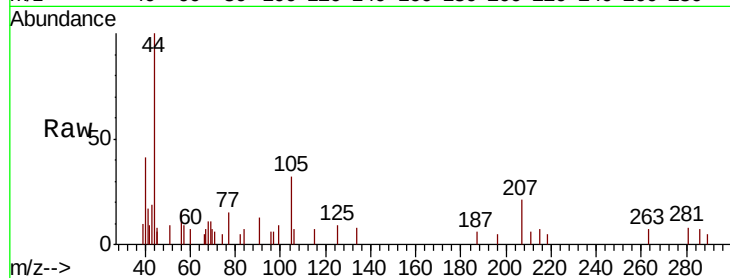




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060361.D
 Acq: 26 Sep 2018 19:35

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-186-092418-2

Tot Ion:105 Resp: 858
 Ion Ratio Lower Upper
 105 100
 134 25.8 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060361.D
 Acq: 26 Sep 2018 19:35

Tgt Ion:119 Resp: 817
 Ion Ratio Lower Upper
 119 100
 134 79.9 12.9 38.7#
 91 86.0 11.9 35.7#

