

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060360.D
 Acq On : 26 Sep 2018 19:07
 Operator : VA/AP
 Sample : J5077-01
 Misc : 5.73/5mL/MSVOA F/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-186-092418-1

Quant Time: Sep 27 03:07:13 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	328630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	537878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	435544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191702	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	239800	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
35) Dibromofluoromethane	4.29	113	267174	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
50) Toluene-d8	7.70	98	580557	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	11.50	95	219666	40.70	ug/l	0.00
Spiked Amount			Recovery	=	81.40%	

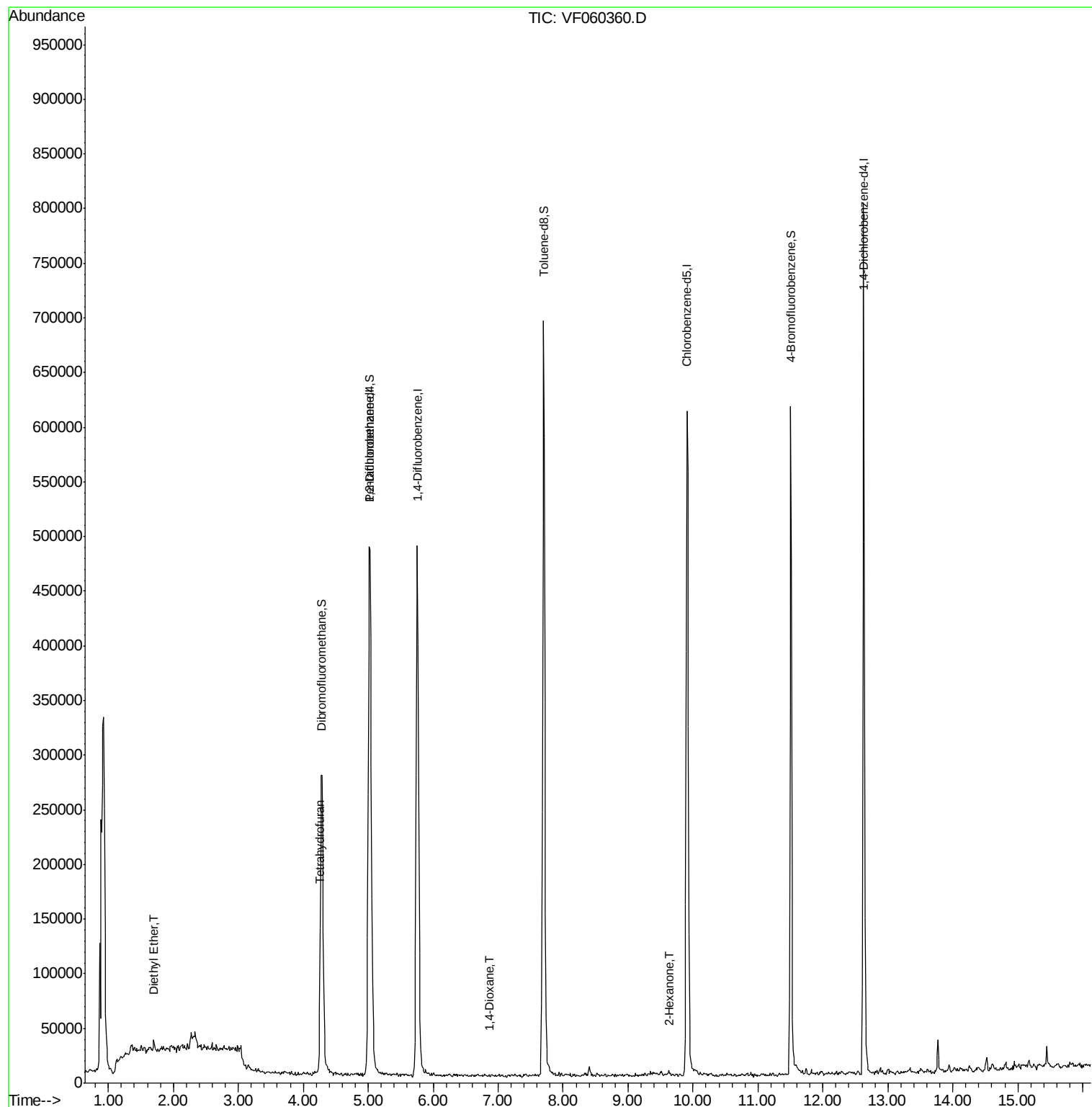
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	584	Below Cal	#	40
5) Bromomethane	1.34	94	1022	Below Cal	#	3
8) Diethyl Ether	1.70	74	3243	2.292	ug/l	82
11) Tert butyl alcohol	2.69	59	914	Below Cal	#	1
13) Acrolein	2.07	56	953	Below Cal	#	80
17) Carbon Disulfide	1.86	76	243	Below Cal	#	1
20) Methylene Chloride	2.28	84	6322	Below Cal		94
29) Tetrahydrofuran	4.25	42	868	1.413	ug/l #	70
49) 1,4-Dioxane	6.85	88	62	2.893	ug/l #	13
59) 2-Hexanone	9.62	43	3038	1.620	ug/l	97
78) n-propylbenzene	11.69	91	1405	Below Cal	#	57
85) sec-Butylbenzene	12.38	105	1440	Below Cal		92
86) p-Isopropyltoluene	12.53	119	1104	Below Cal	#	51
89) n-Butylbenzene	12.92	91	1674	Below Cal		81

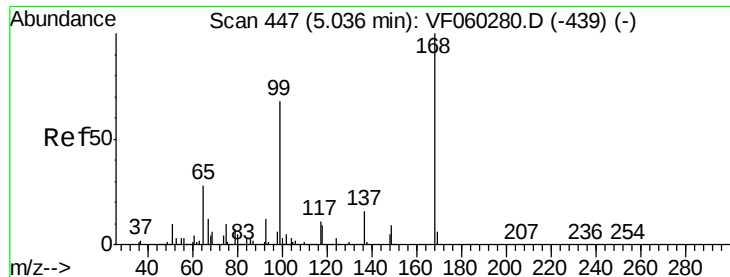
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
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: VF060360.D

Acq: 26 Sep 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

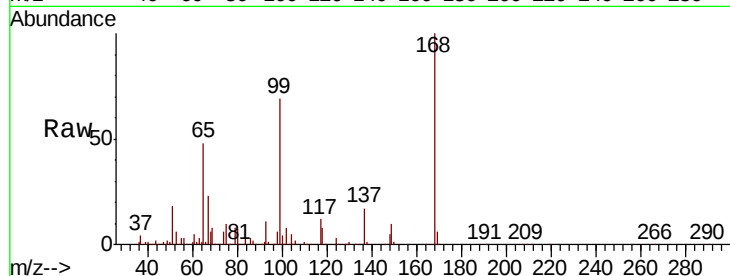
PARCEL-186-092418-1

Tot Ion:168 Resp: 328630

Ion Ratio Lower Upper

168 100

99 68.8 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

120000

100000

80000

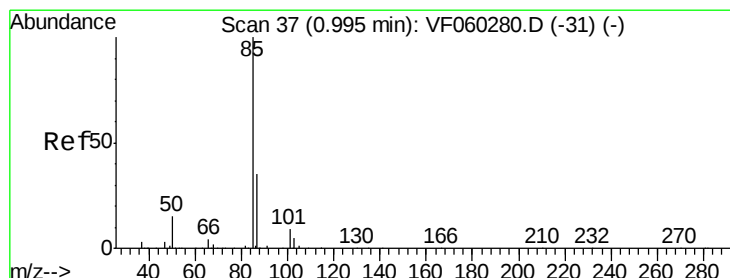
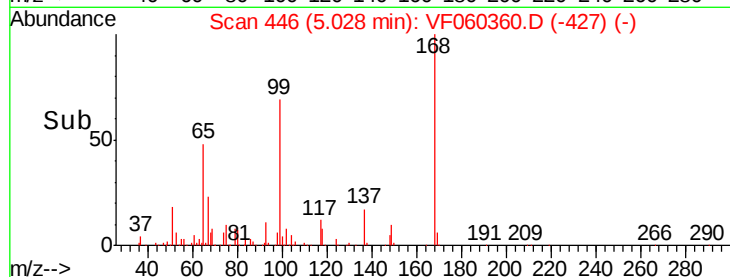
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060360.D

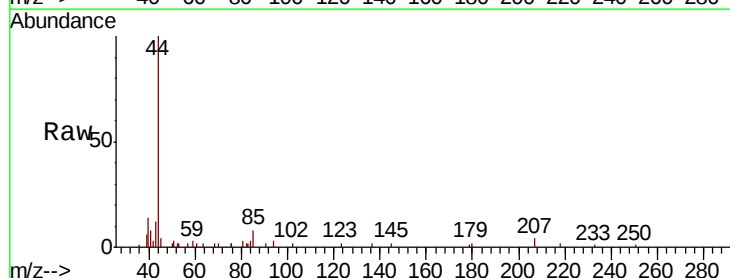
Acq: 26 Sep 2018 19:07

Tgt Ion: 85 Resp: 584

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

600

500

400

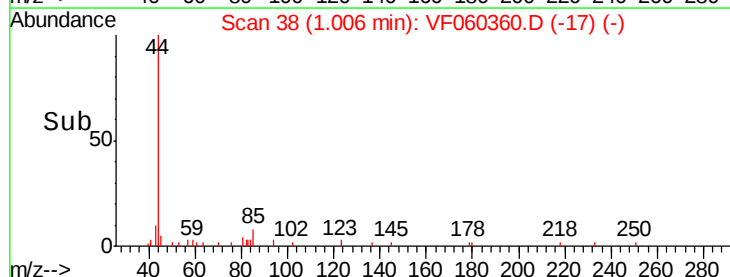
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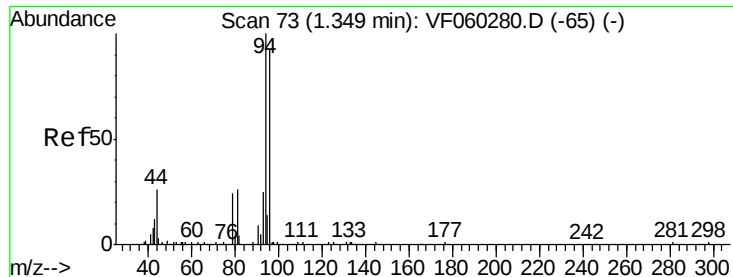
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060360.D

Acq: 26 Sep 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

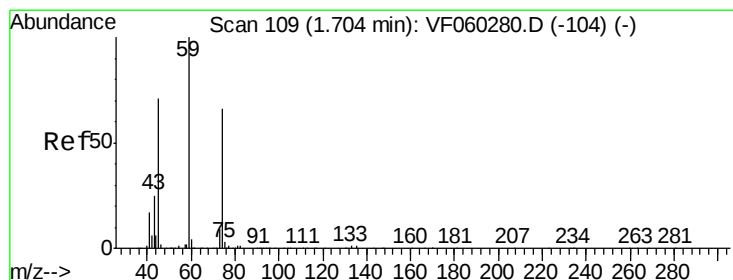
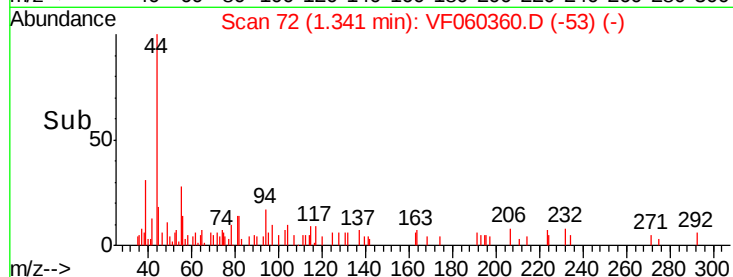
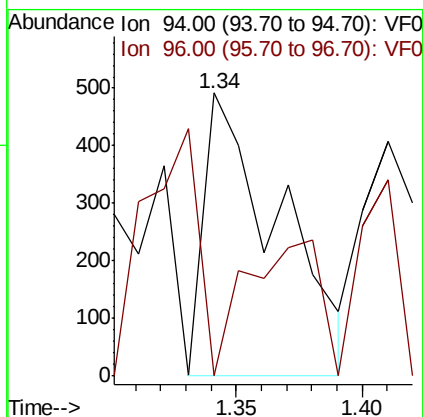
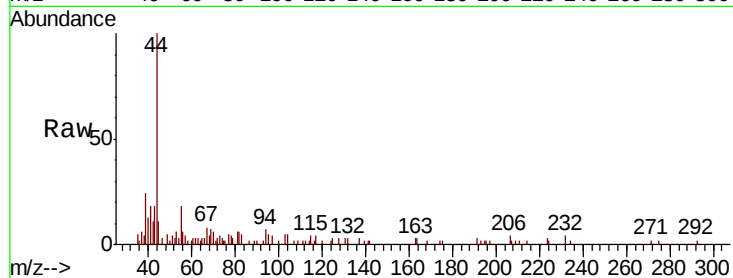
PARCEL-186-092418-1

Tot Ion: 94 Resp: 1022

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



#8

Diethyl Ether

Concen: 2.292 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060360.D

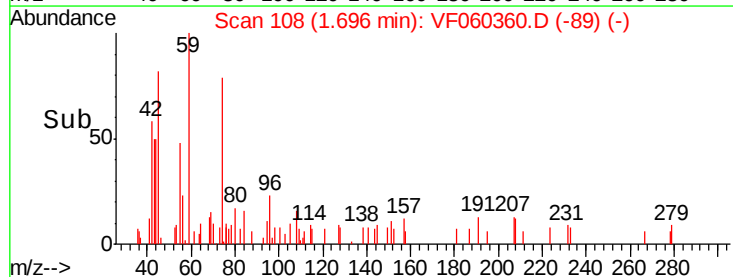
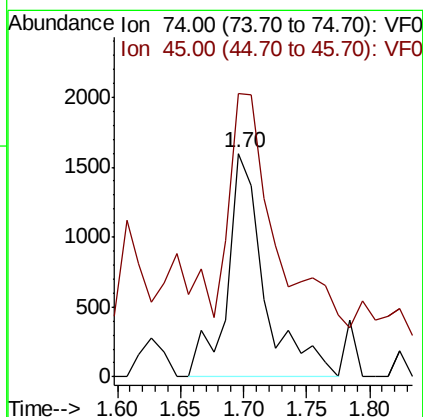
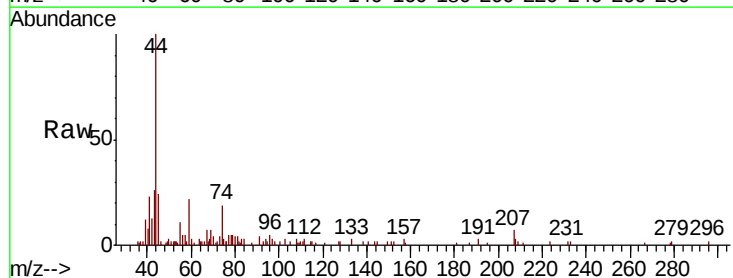
Acq: 26 Sep 2018 19:07

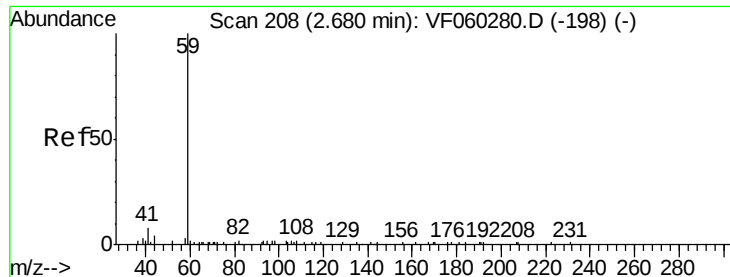
Tgt Ion: 74 Resp: 3243

Ion Ratio Lower Upper

74 100

45 126.7 53.9 161.7



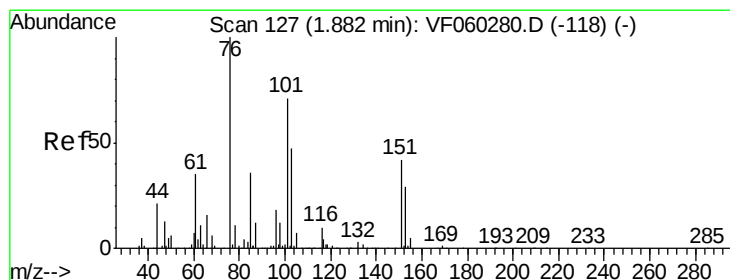
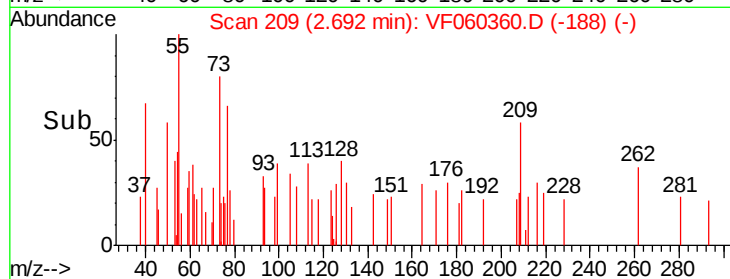
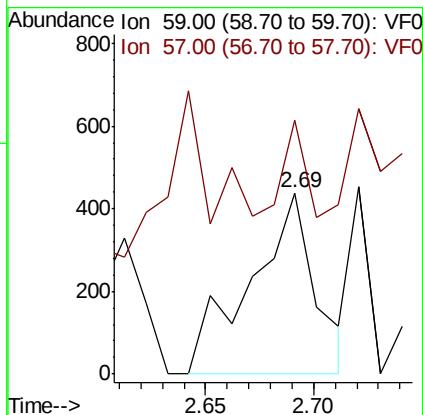
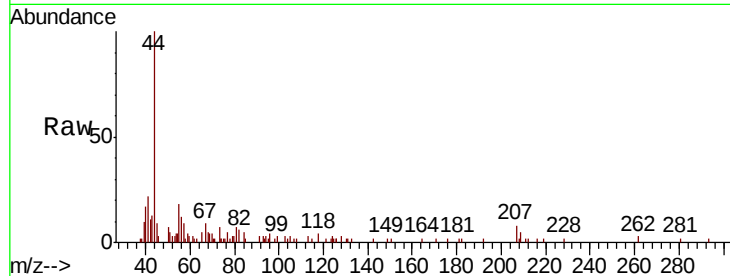


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.69 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-186-092418-1

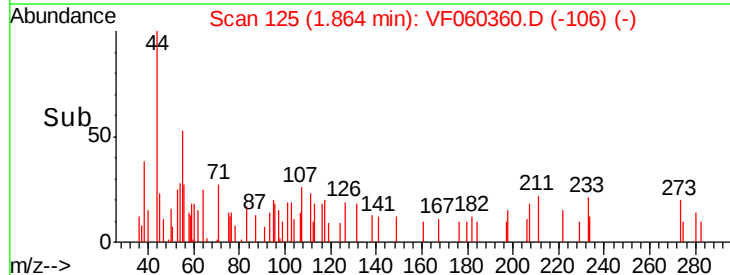
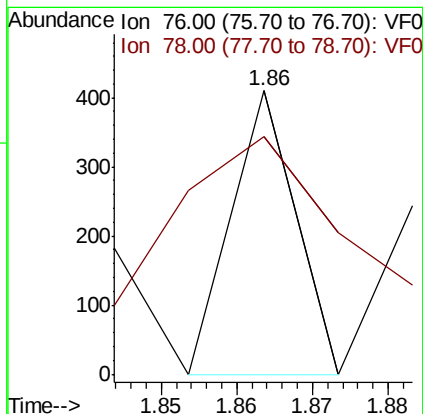
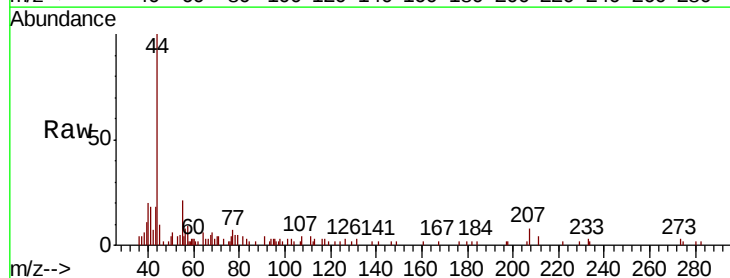
Tot Ion: 59 Resp: 914
 Ion Ratio Lower Upper
 59 100
 57 140.1 12.4 18.6#

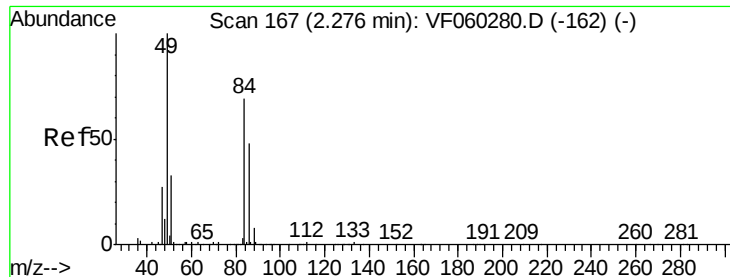


#17

Carbon Disulfide
 Concen: Below Cal
 RT: 1.86 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

Tgt Ion: 76 Resp: 243
 Ion Ratio Lower Upper
 76 100
 78 83.7 9.4 14.0#

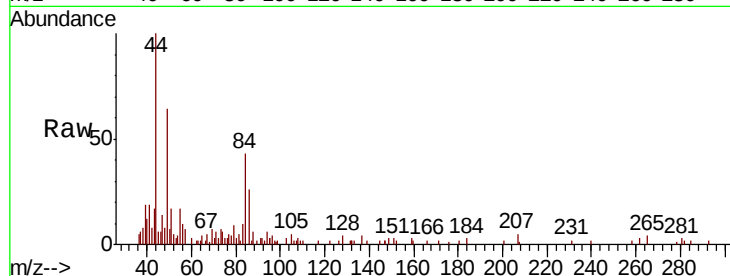




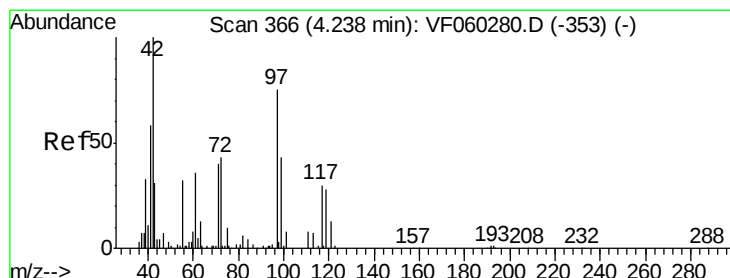
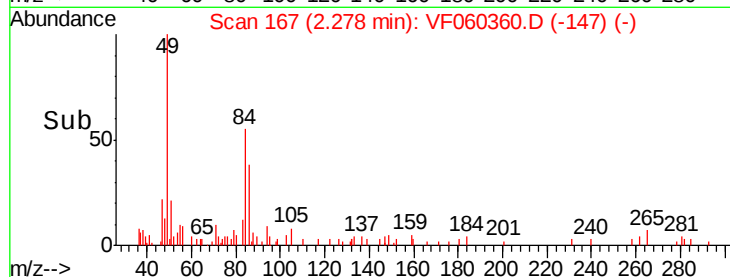
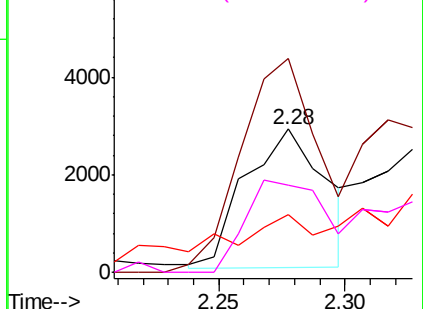
#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-1

Tot Ion:	84	Resp:	6322
Ion	Ratio	Lower	Upper
84	100		
49	149.3	118.3	177.5
51	40.6	38.7	58.1
86	60.8	55.8	83.6

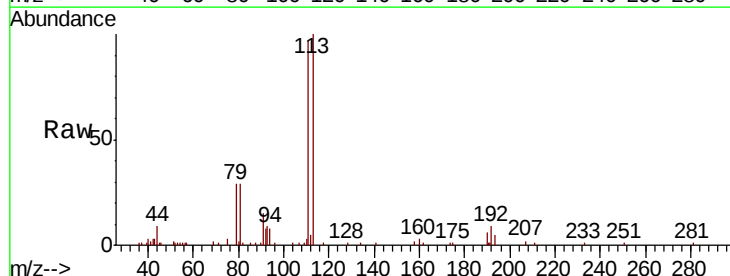


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

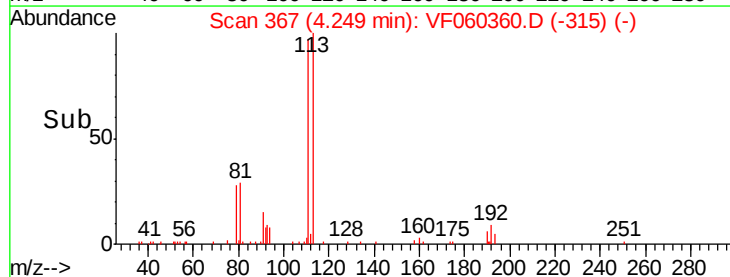
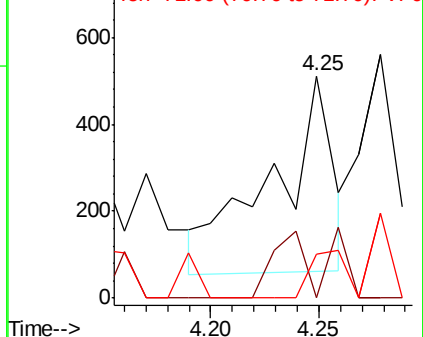


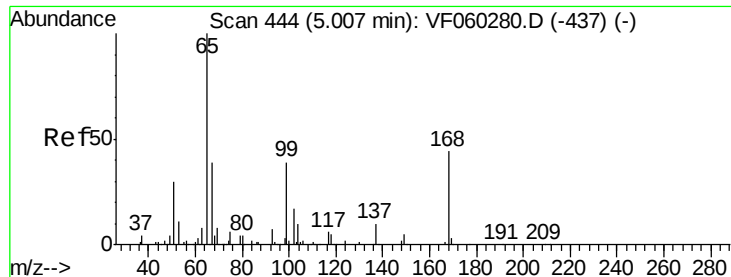
#29
Tetrahydrofuran
Concen: 1.413 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

Tgt Ion:	42	Resp:	868
Ion	Ratio	Lower	Upper
42	100		
72	29.3	32.6	49.0#
71	14.4	32.7	49.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

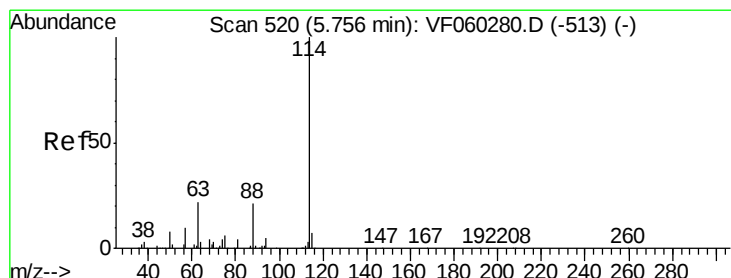
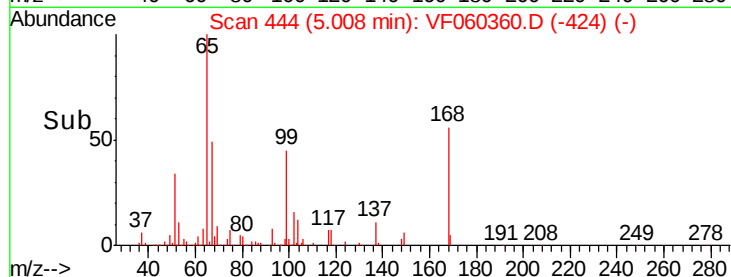
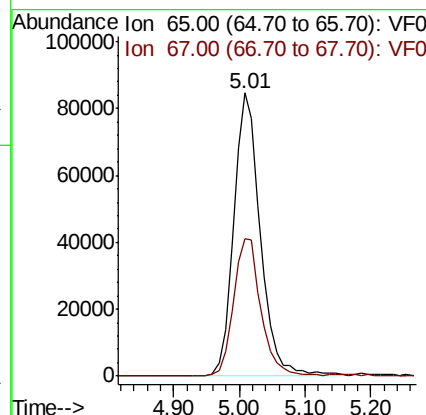
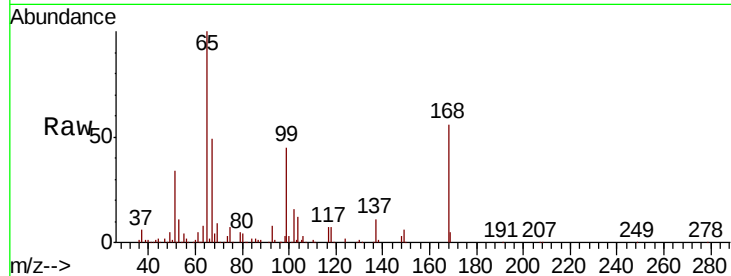




#33
 1,2-Dichloroethane-d4
 Concen: 54.191 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

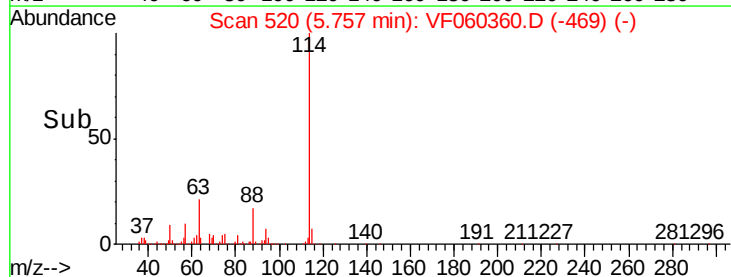
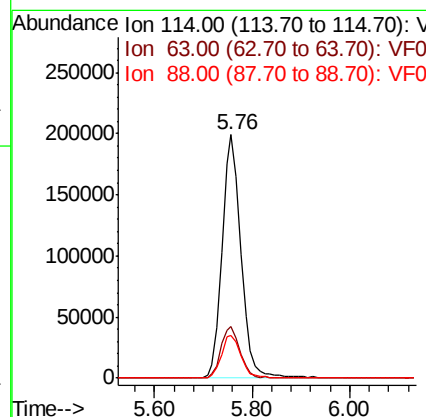
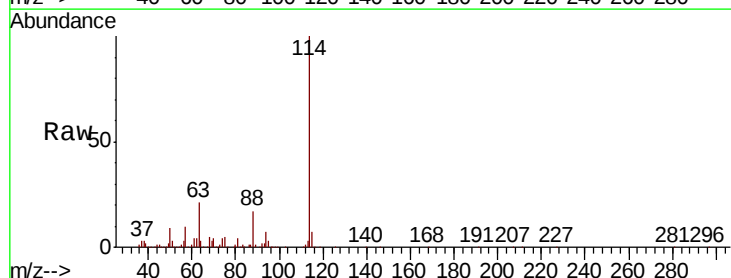
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 PARCEL-186-092418-1

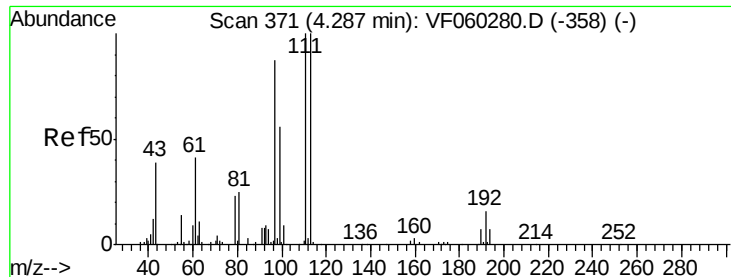
Tot Ion: 65 Resp: 239800
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

Tgt Ion: 114 Resp: 537878
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.8
 88 17.4 0.0 41.2

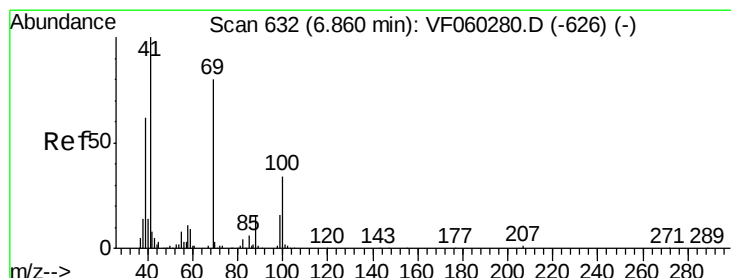
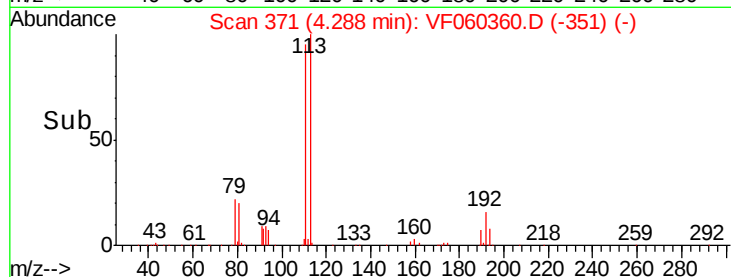
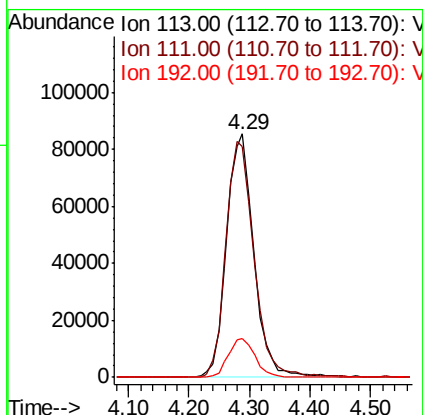
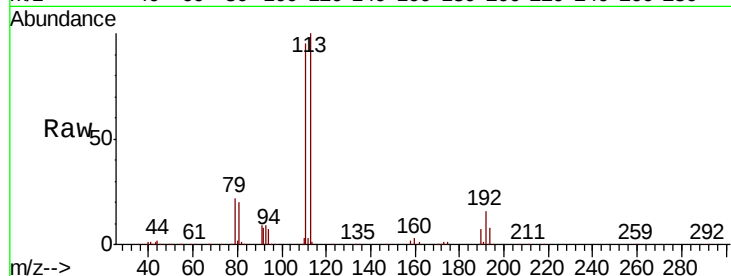




#35
 Dibromofluoromethane
 Concen: 55.722 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

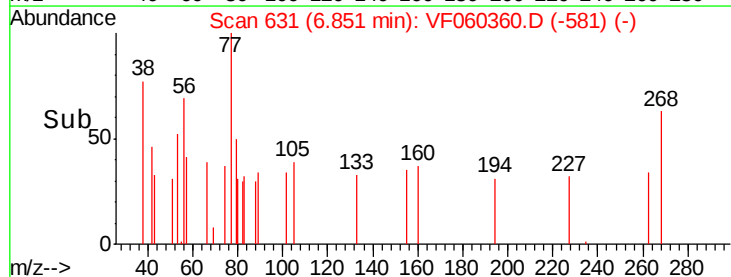
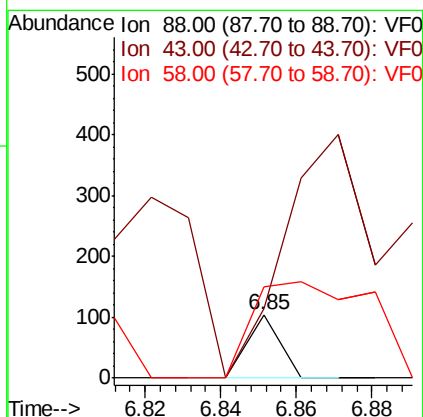
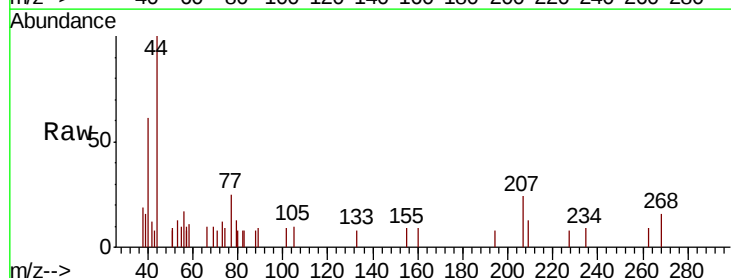
Instrument :
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 PARCEL-186-092418-1

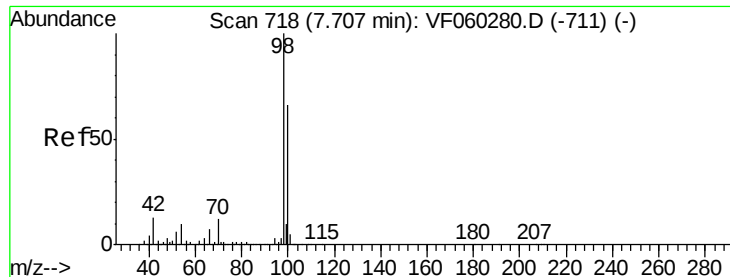
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.0	79.6	119.4
192	16.0	13.0	19.6



#49
 1,4-Dioxane
 Concen: 2.893 ug/l
 RT: 6.85 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VF060360.D
 Acq: 26 Sep 2018 19:07

Tgt Ion	Ratio	Lower	Upper
88	100		
43	109.6	40.2	60.4#
58	143.3	56.7	85.1#





#50

Toluene-d8

Concen: 46.494 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060360.D

Acq: 26 Sep 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

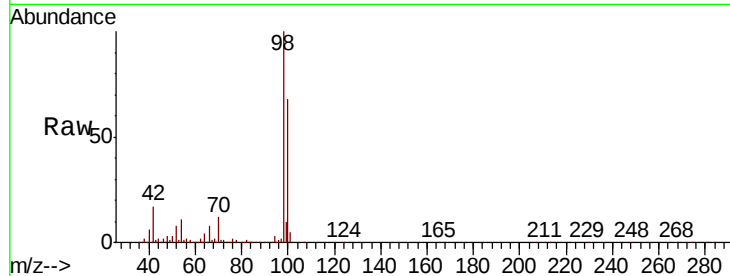
PARCEL-186-092418-1

Tot Ion: 98 Resp: 580557

Ion Ratio Lower Upper

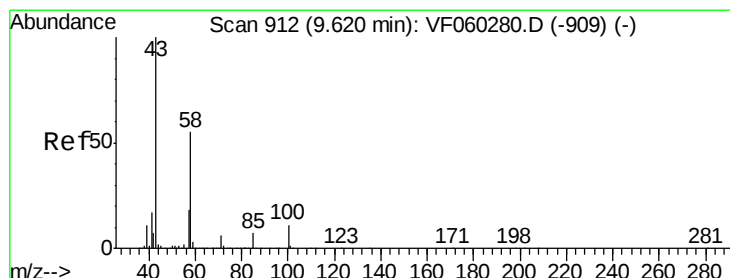
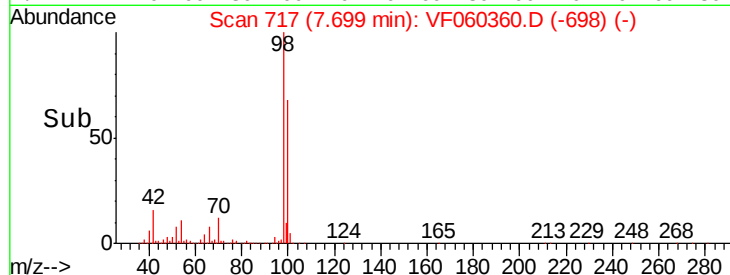
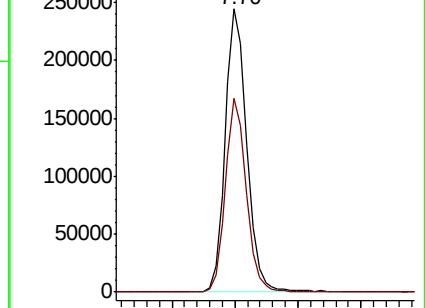
98 100

100 68.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#59

2-Hexanone

Concen: 1.620 ug/l

RT: 9.62 min Scan# 912

Delta R.T. 0.00 min

Lab File: VF060360.D

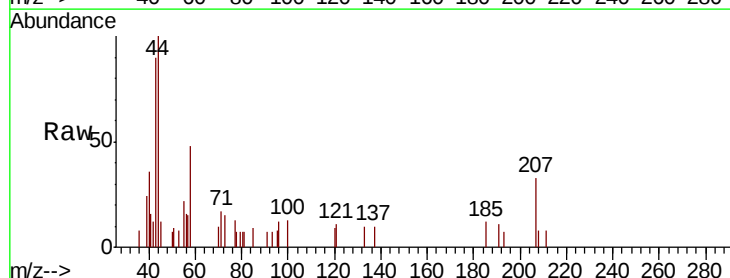
Acq: 26 Sep 2018 19:07

Tgt Ion: 43 Resp: 3038

Ion Ratio Lower Upper

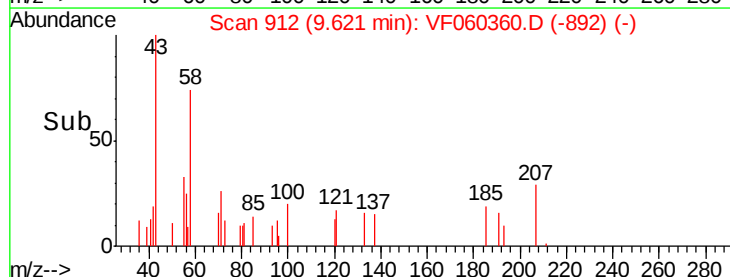
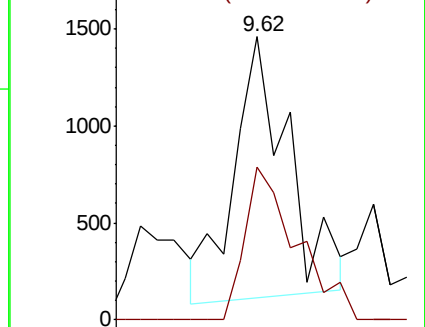
43 100

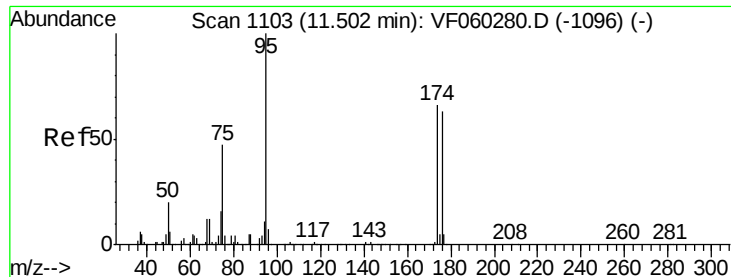
58 53.9 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

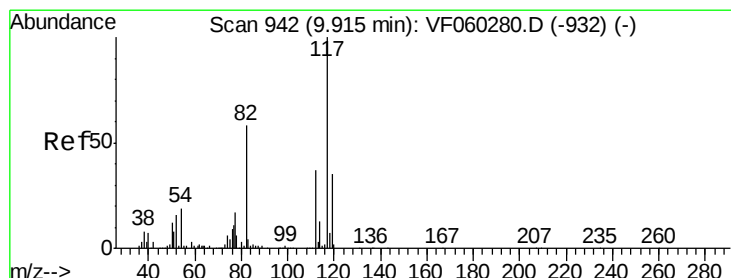
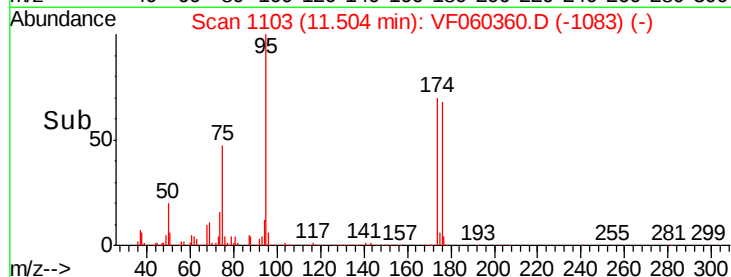
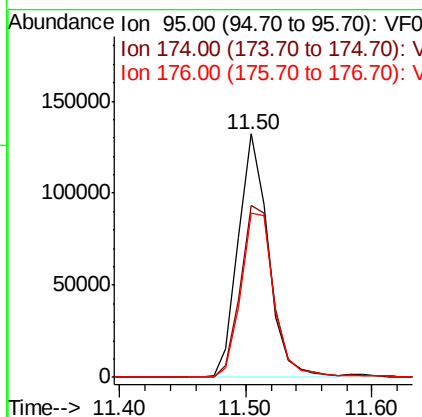
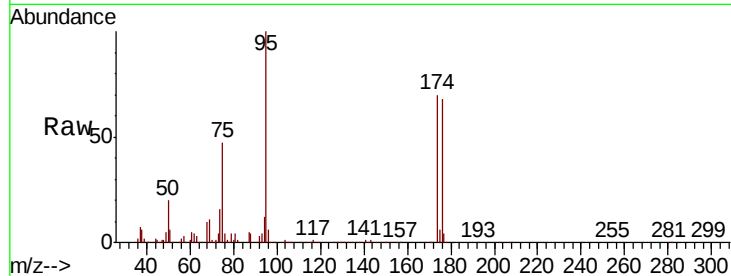




#62
4-Bromofluorobenzene
Concen: 40.697 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

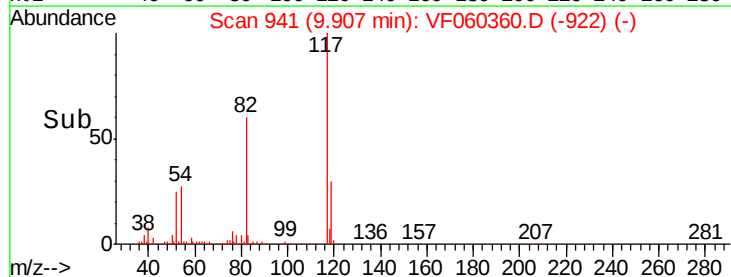
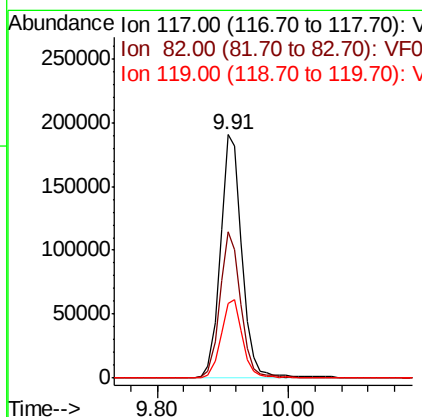
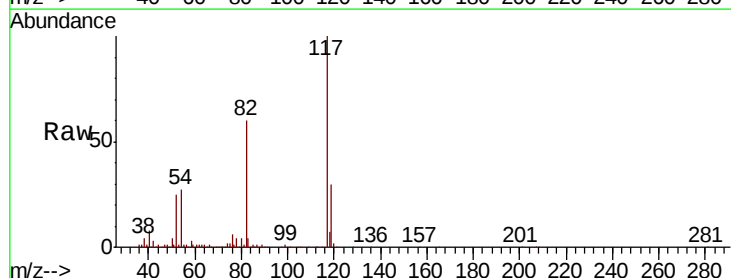
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-1

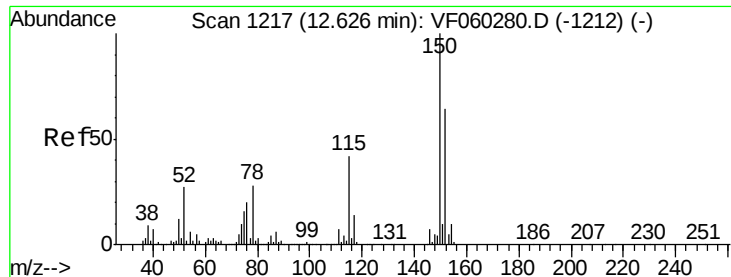
Tot Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	131.2
176	67.7	0.0	126.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.2	69.2
119	30.4	27.8	41.6



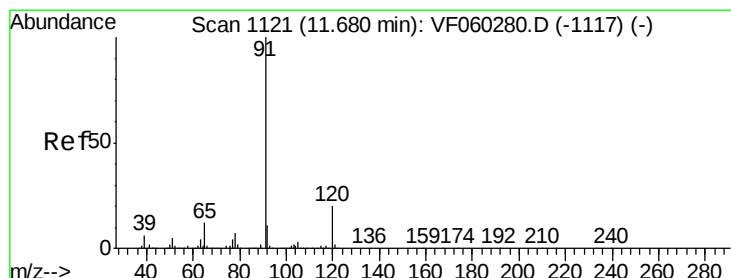
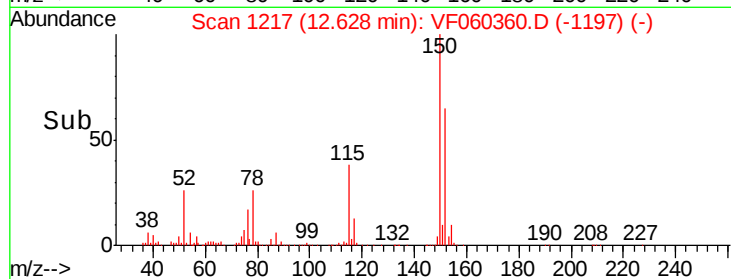
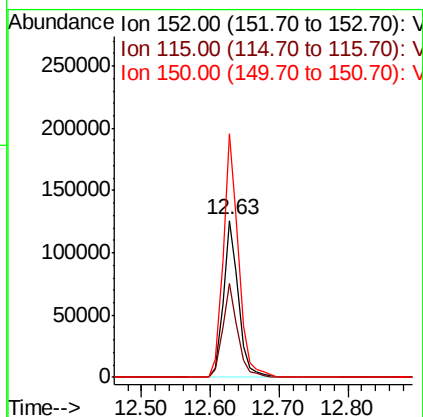
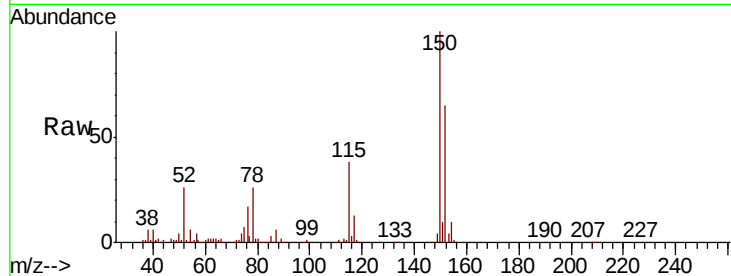


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

Instrument :
MSVOA_F
ClientSampleId :
PARCEL-186-092418-1

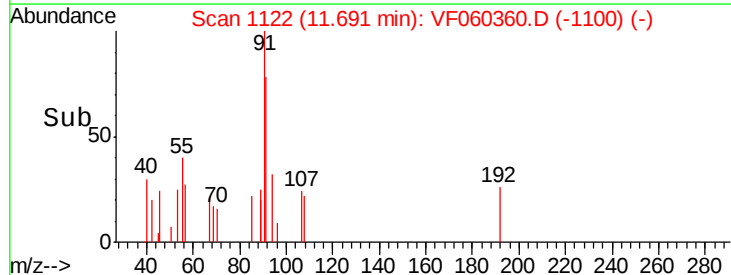
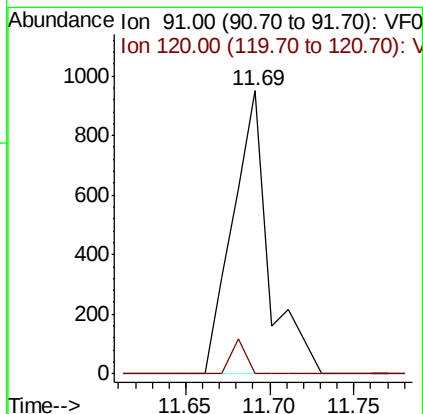
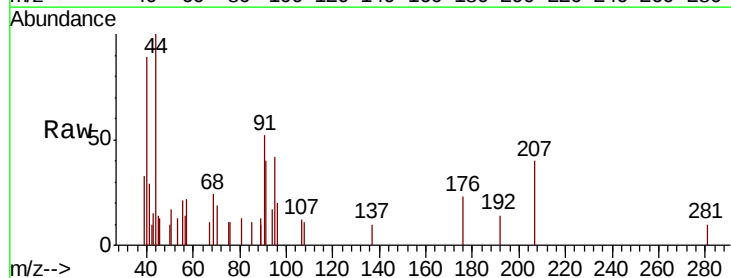
Tot Ion:152 Resp: 191702
Ion Ratio Lower Upper
152 100
115 59.5 32.6 97.8
150 154.9 0.0 314.2

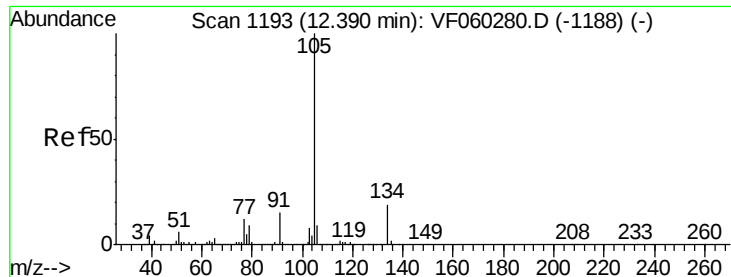


#78

n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF060360.D
Acq: 26 Sep 2018 19:07

Tgt Ion: 91 Resp: 1405
Ion Ratio Lower Upper
91 100
120 0.0 10.0 29.8#





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060360.D

Acq: 26 Sep 2018 19:07

Instrument :

MSVOA_F

ClientSampleId :

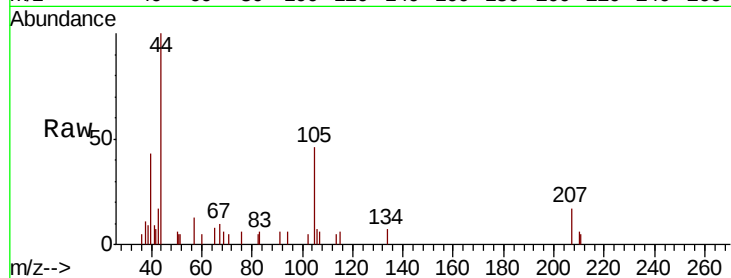
PARCEL-186-092418-1

Tot Ion:105 Resp: 1440

Ion Ratio Lower Upper

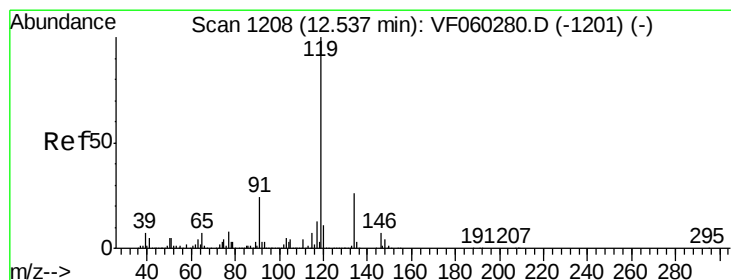
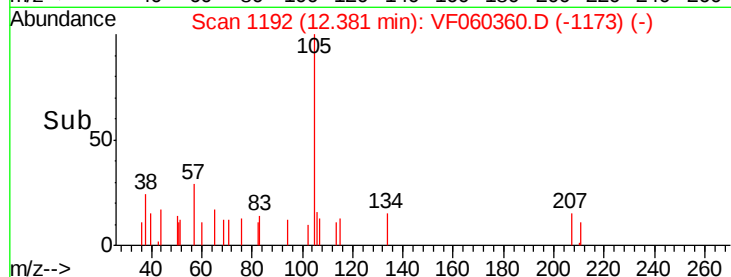
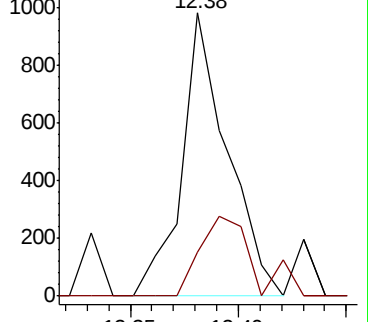
105 100

134 15.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060360.D

Acq: 26 Sep 2018 19:07

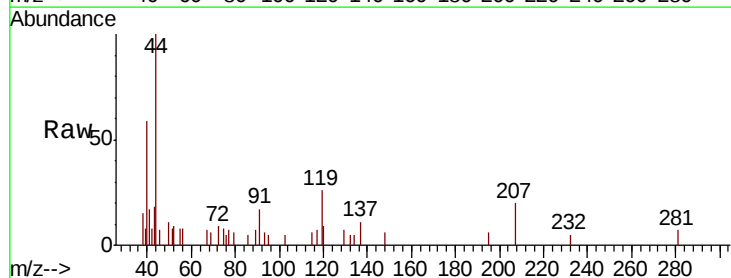
Tgt Ion:119 Resp: 1104

Ion Ratio Lower Upper

119 100

134 18.7 12.9 38.7

91 66.7 11.9 35.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VFO

