

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060362.D
 Acq On : 26 Sep 2018 20:03
 Operator : VA/AP
 Sample : J5077-03
 Misc : 5.13/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-190-092418-1

Quant Time: Sep 27 03:07:42 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	325780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	536283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	362932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	249870	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
35) Dibromofluoromethane	4.28	113	272590	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
50) Toluene-d8	7.70	98	516073	41.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.90%	
62) 4-Bromofluorobenzene	11.51	95	174631	32.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.90%	

Target Compounds

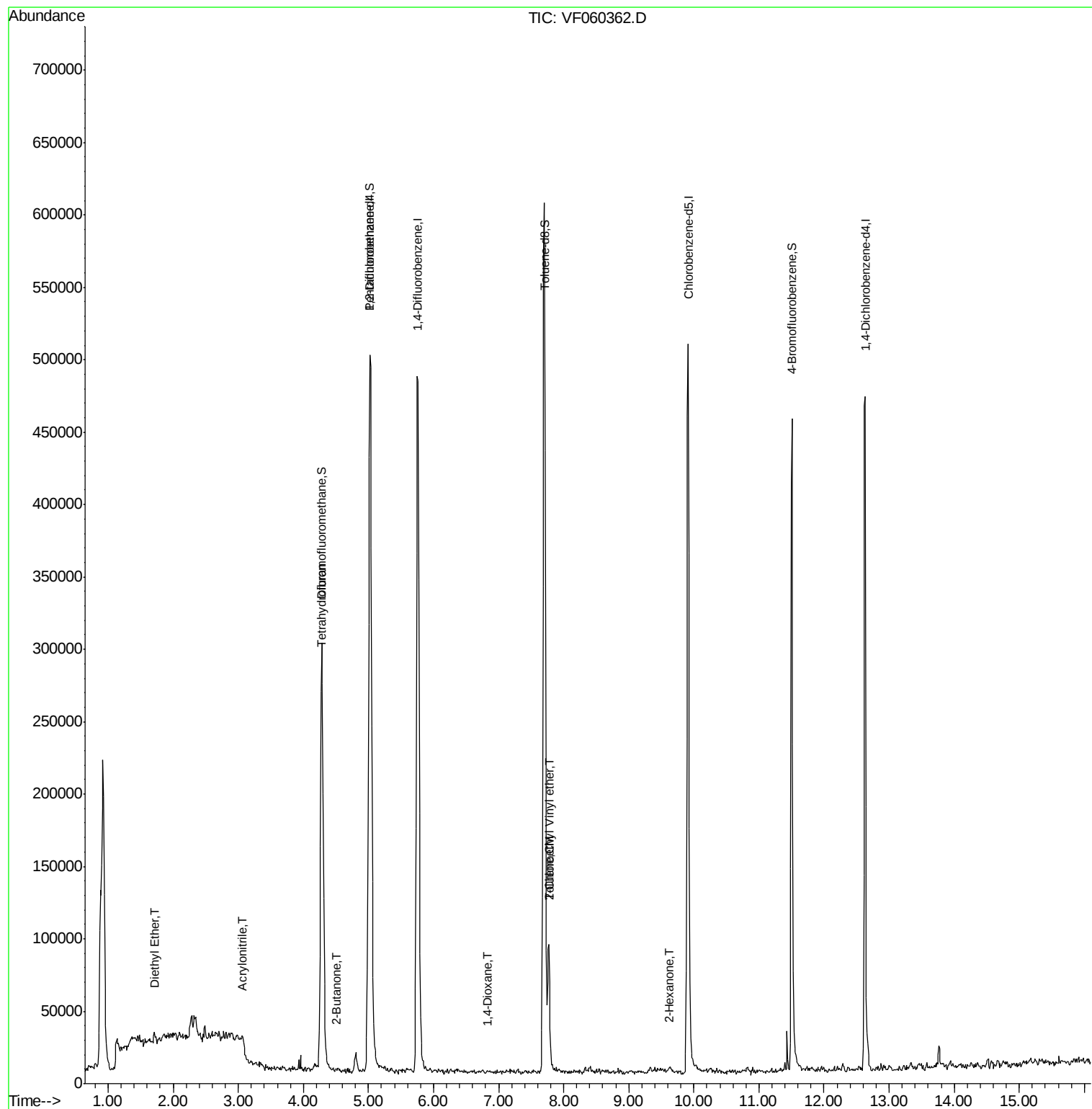
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	640	Below Cal	#	40
5) Bromomethane	1.44	94	476	Below Cal		82
8) Diethyl Ether	1.71	74	2047	1.460	ug/l	64
11) Tert butyl alcohol	2.67	59	575	Below Cal	#	1
13) Acrolein	2.07	56	135	Below Cal	#	11
15) Acrylonitrile	3.07	53	647	1.044	ug/l #	23
17) Carbon Disulfide	1.90	76	442	Below Cal	#	1
20) Methylene Chloride	2.32	84	6938	Below Cal		89
25) 2-Butanone	4.51	43	2862	1.721	ug/l #	84
29) Tetrahydrofuran	4.26	42	2508	4.119	ug/l #	54
49) 1,4-Dioxane	6.85	88	72	3.369	ug/l #	1
52) Toluene	7.76	92	46328	4.828	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	7428	23.888	ug/l	100
59) 2-Hexanone	9.63	43	3189	1.705	ug/l	68
78) n-propylbenzene	11.81	91	529	Below Cal		88
85) sec-Butylbenzene	12.39	105	466	Below Cal	#	10
86) p-Isopropyltoluene	12.53	119	832	Below Cal	#	50
89) n-Butylbenzene	12.92	91	1495	Below Cal		87

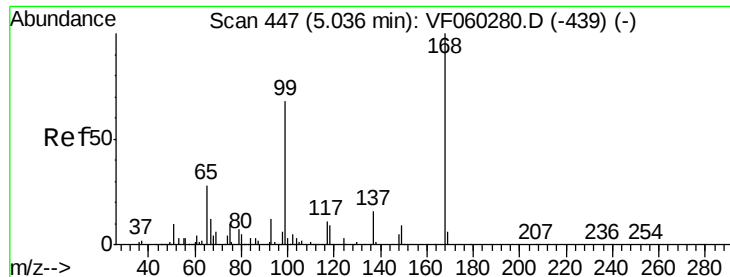
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092618\
Data File : VF060362.D
Acq On : 26 Sep 2018 20:03
Operator : VA/AP
Sample : J5077-03
Misc : 5.13/5mL/MSVOA F/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PARCEL-190-092418-1

Quant Time: Sep 27 03:07:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
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. -0.00 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

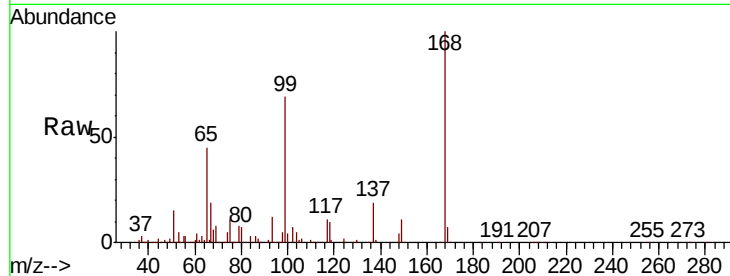
PARCEL-190-092418-1

Tot Ion:168 Resp: 325780

Ion Ratio Lower Upper

168 100

99 69.1 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

120000

100000

80000

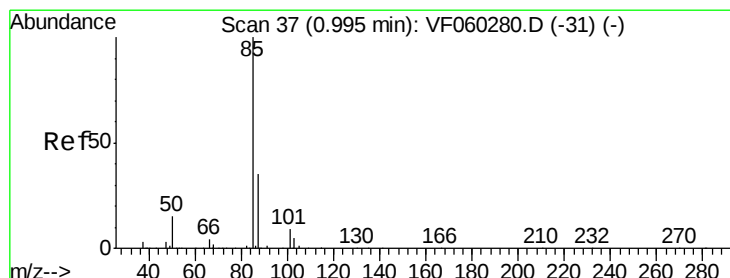
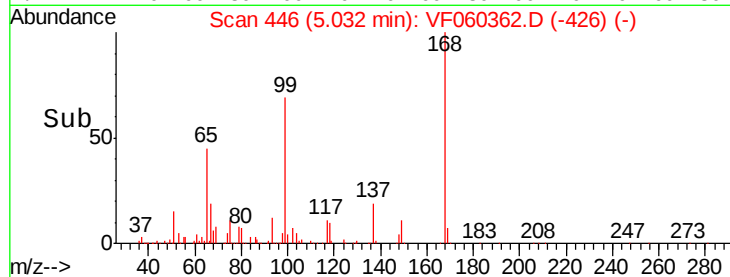
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 39

Delta R.T. 0.03 min

Lab File: VF060362.D

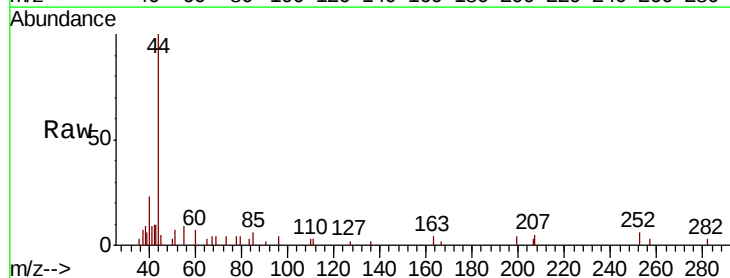
Acq: 26 Sep 2018 20:03

Tgt Ion: 85 Resp: 640

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

1.02

250

200

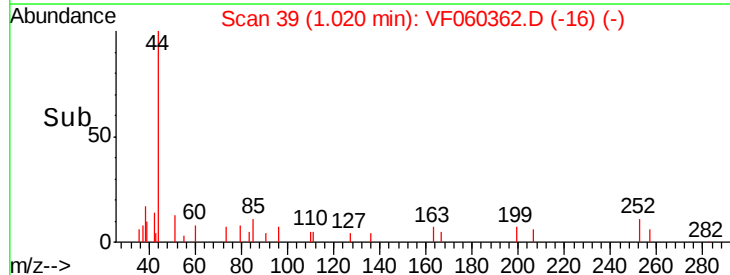
150

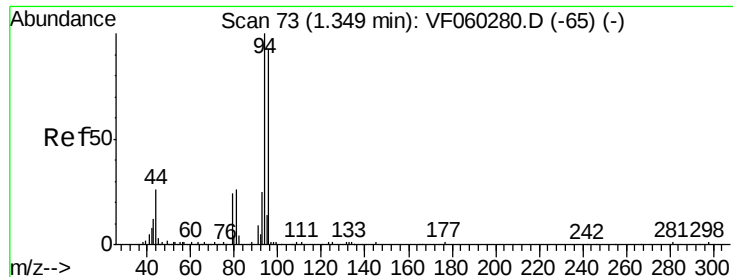
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.44 min Scan# 82

Delta R.T. 0.09 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

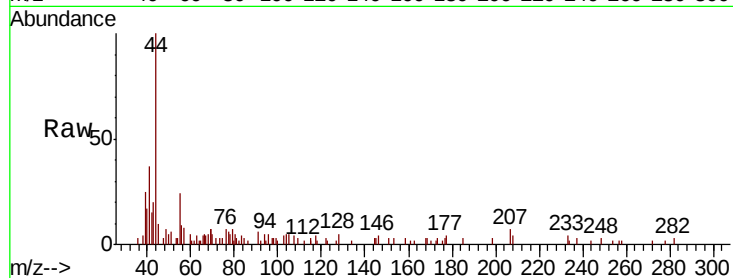
PARCEL-190-092418-1

Tot Ion: 94 Resp: 476

Ion Ratio Lower Upper

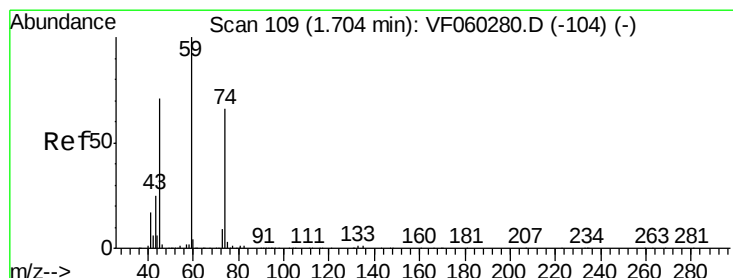
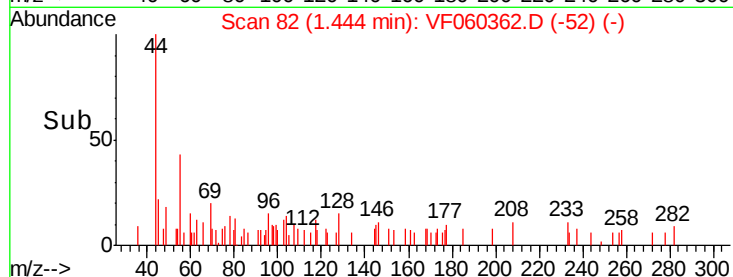
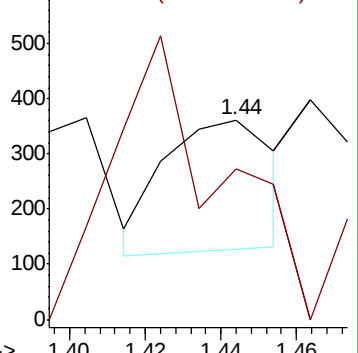
94 100

96 75.3 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#8

Diethyl Ether

Concen: 1.460 ug/l

RT: 1.71 min Scan# 109

Delta R.T. 0.01 min

Lab File: VF060362.D

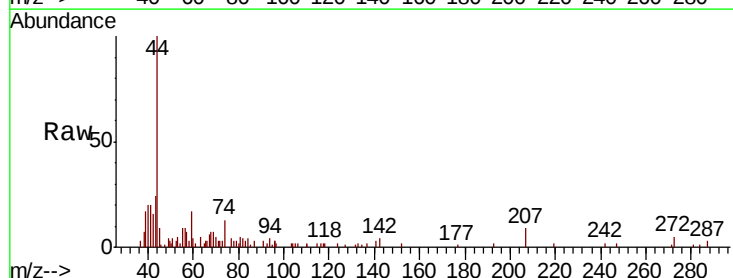
Acq: 26 Sep 2018 20:03

Tgt Ion: 74 Resp: 2047

Ion Ratio Lower Upper

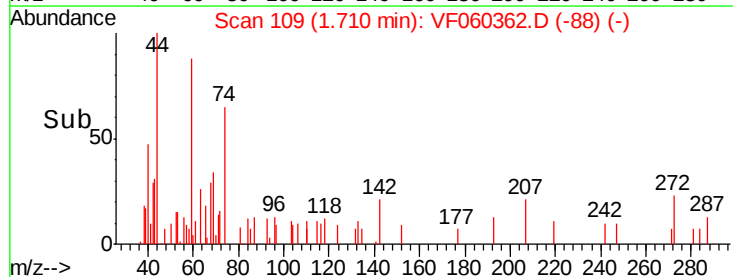
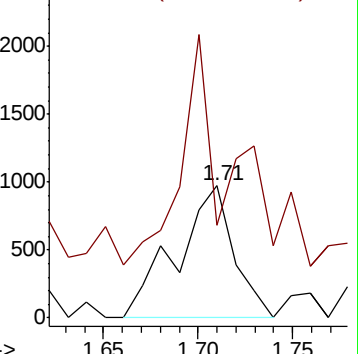
74 100

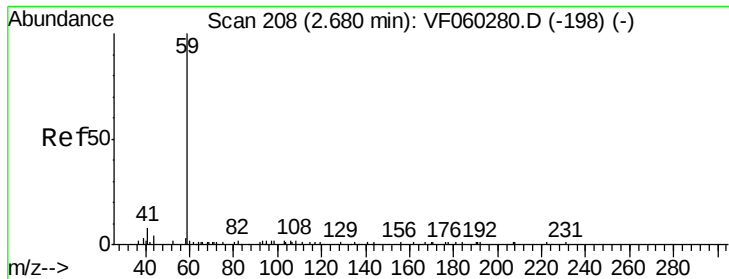
45 70.6 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



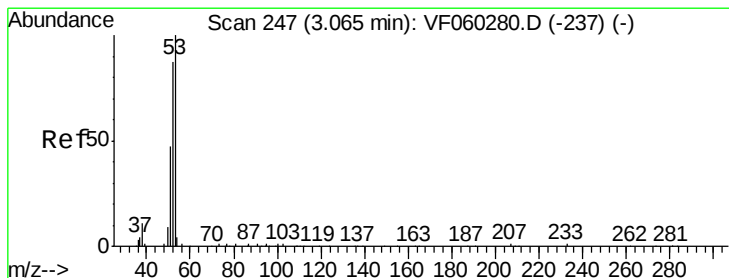
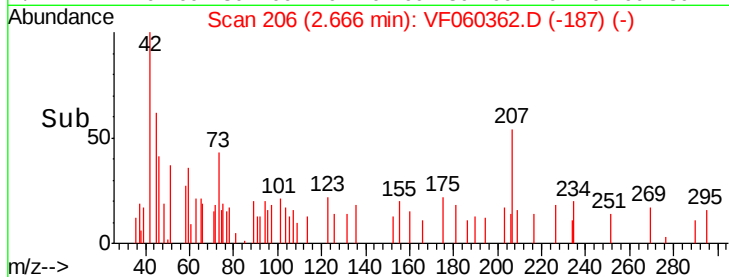
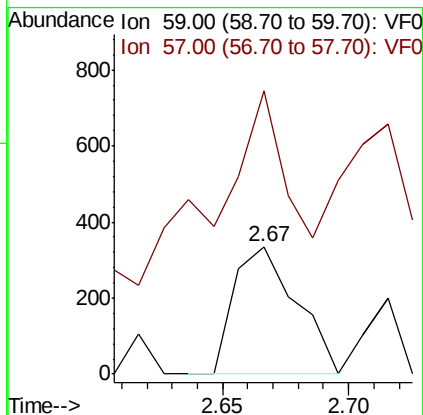
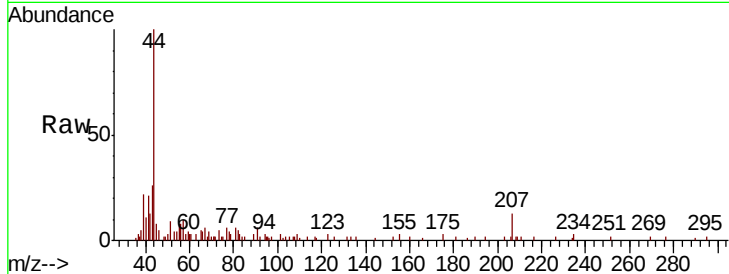


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.67 min Scan# 206
 Delta R.T. -0.01 min
 Lab File: VF060362.D
 Acq: 26 Sep 2018 20:03

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-190-092418-1

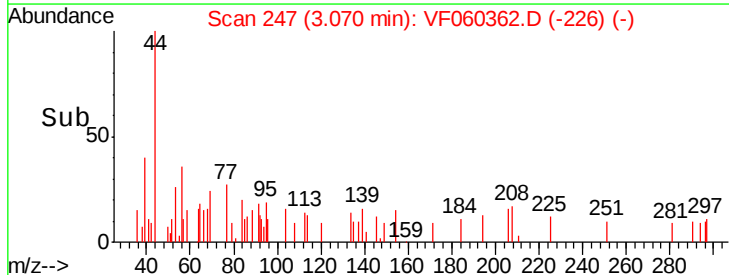
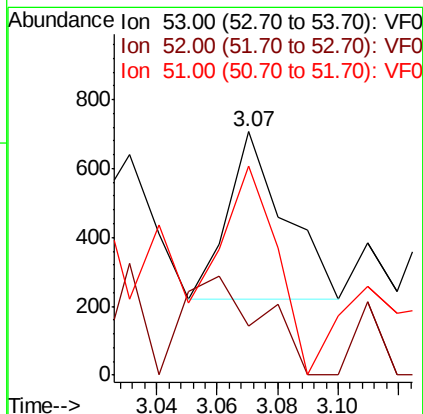
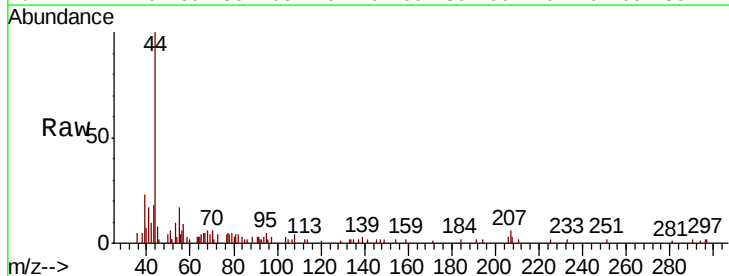
Tot Ion: 59 Resp: 575
 Ion Ratio Lower Upper
 59 100
 57 221.4 12.4 18.6#

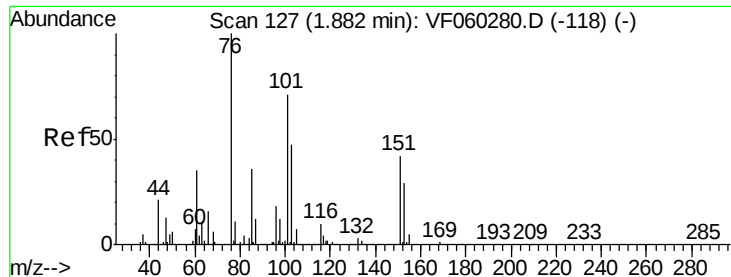


#15

Acrylonitrile
 Concen: 1.044 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VF060362.D
 Acq: 26 Sep 2018 20:03

Tgt Ion: 53 Resp: 647
 Ion Ratio Lower Upper
 53 100
 52 20.4 69.5 104.3#
 51 106.2 38.1 57.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.90 min Scan# 128

Delta R.T. 0.02 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

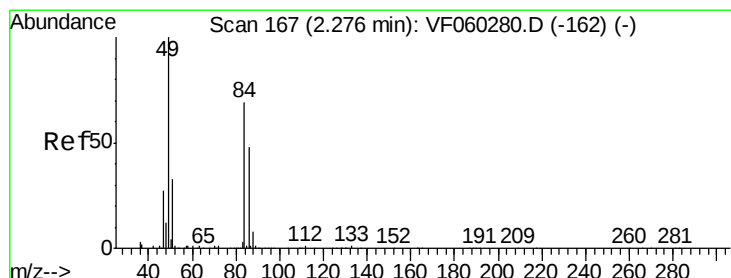
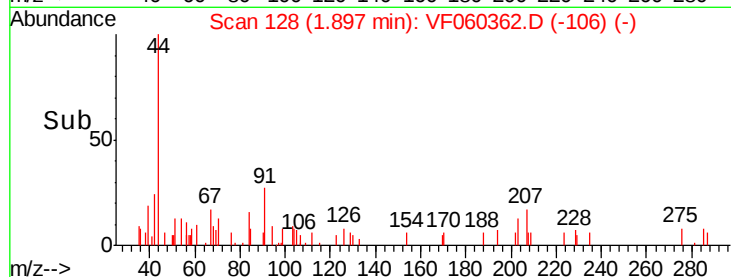
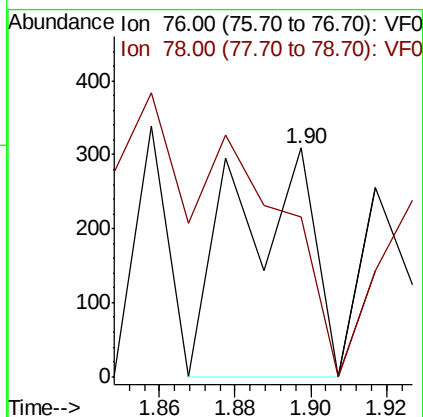
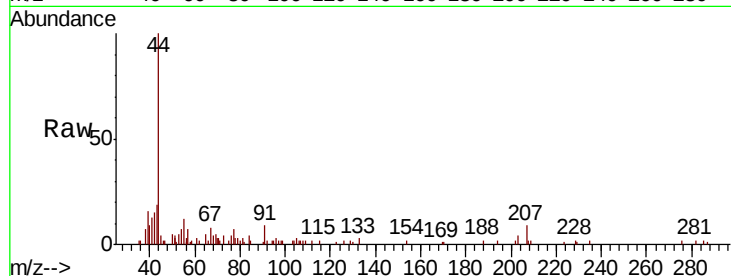
PARCEL-190-092418-1

Tot Ion: 76 Resp: 442

Ion Ratio Lower Upper

76 100

78 69.9 9.4 14.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.32 min Scan# 171

Delta R.T. 0.05 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Tgt Ion: 84 Resp: 6938

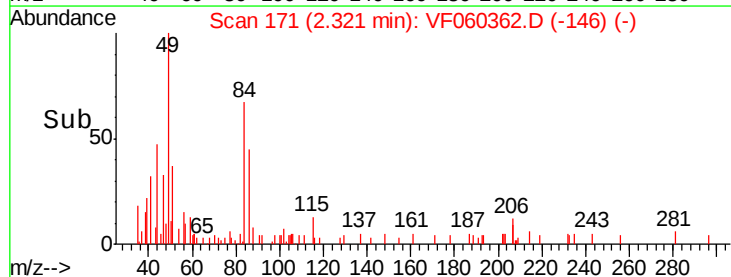
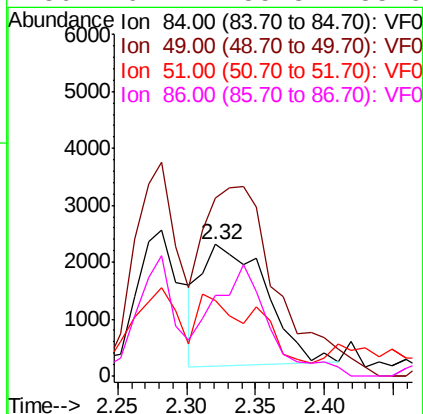
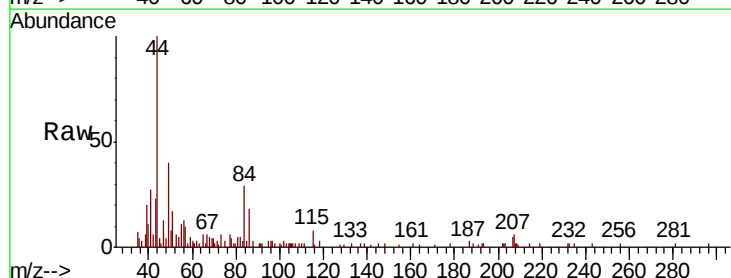
Ion Ratio Lower Upper

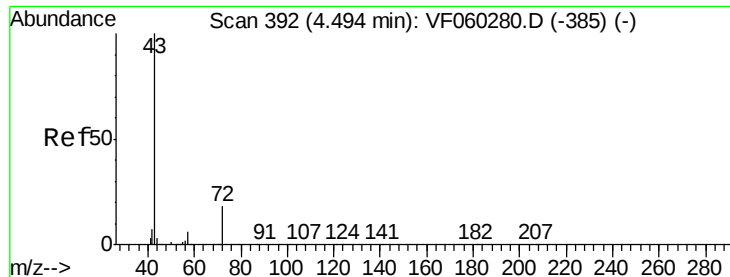
84 100

49 135.6 118.3 177.5

51 57.5 38.7 58.1

86 61.1 55.8 83.6

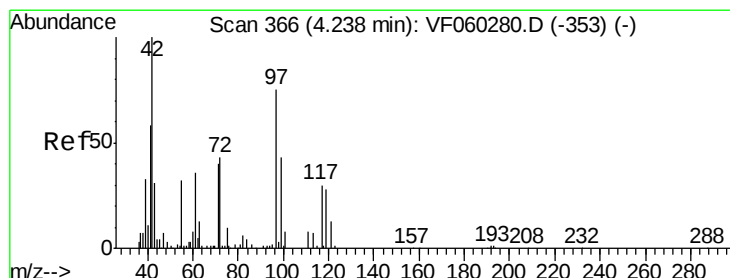
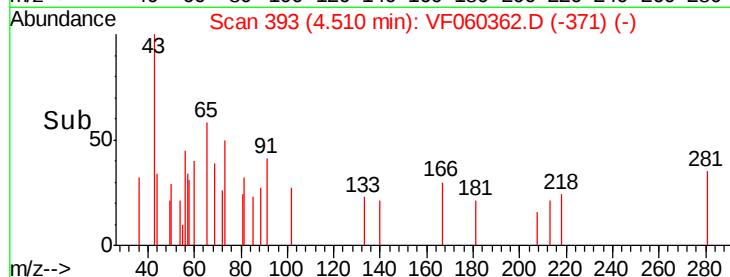
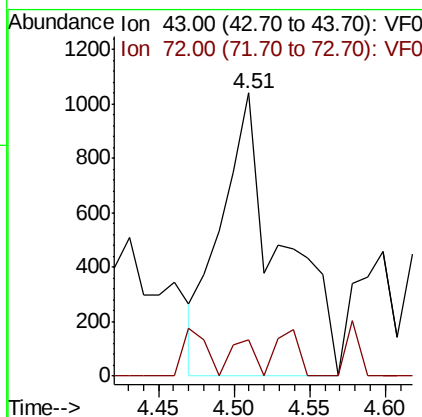
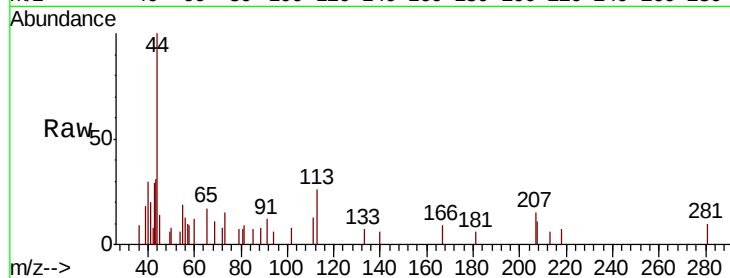




#25
2-Butanone
Concen: 1.721 ug/l
RT: 4.51 min Scan# 393
Delta R.T. 0.02 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

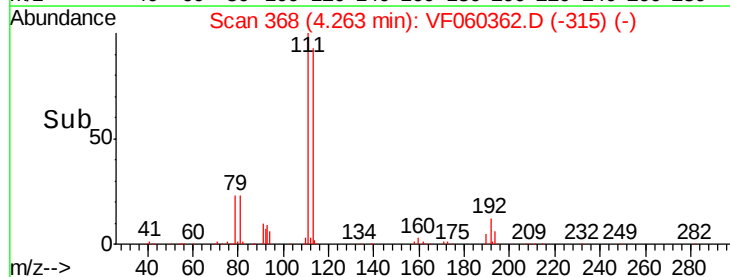
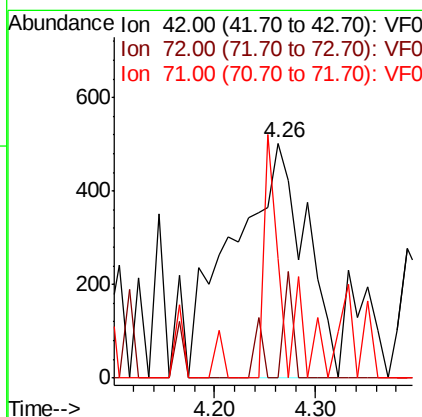
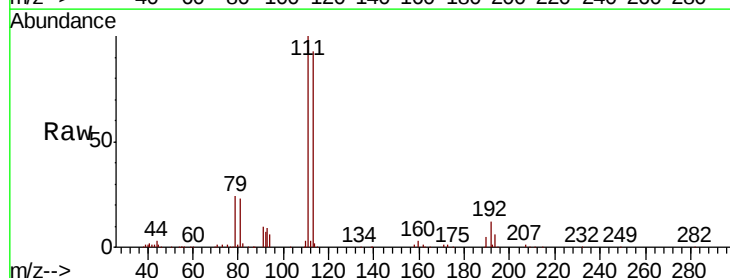
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-190-092418-1

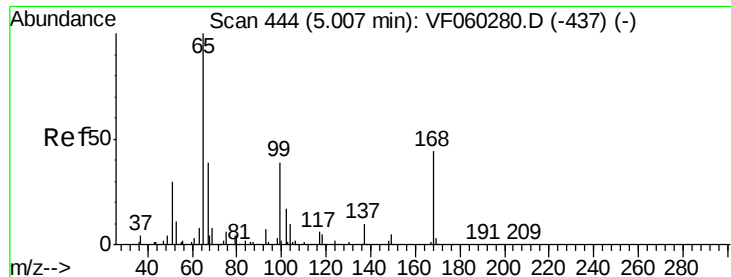
Tot Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
72 12.9 16.2 24.2#



#29
Tetrahydrofuran
Concen: 4.119 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.03 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

Tgt Ion: 42 Resp: 2508
Ion Ratio Lower Upper
42 100
72 5.4 32.6 49.0#
71 18.3 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 56.960 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

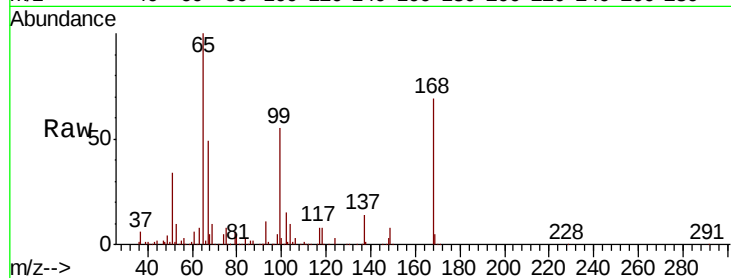
PARCEL-190-092418-1

Tot Ion: 65 Resp: 249870

Ion Ratio Lower Upper

65 100

67 48.9 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

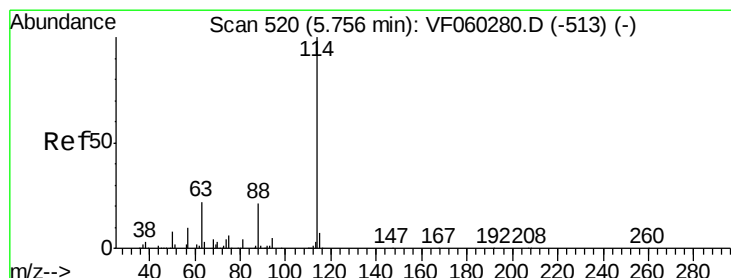
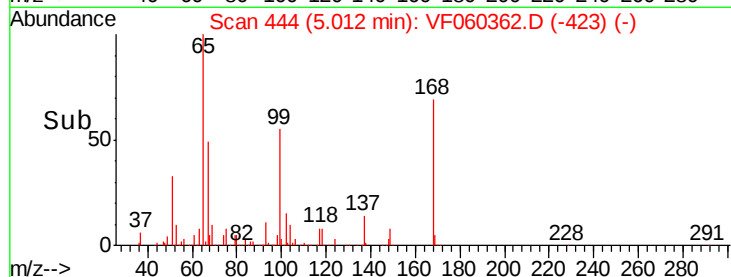
40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20

5.01



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.01 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

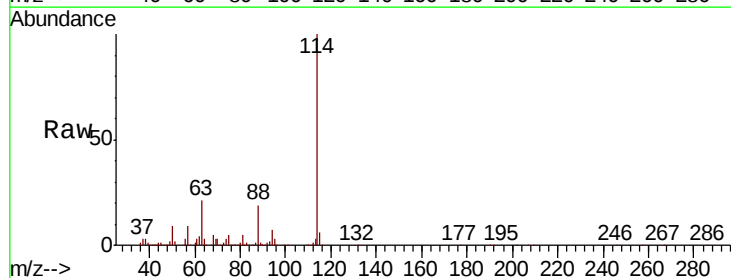
Tgt Ion: 114 Resp: 536283

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

88 19.1 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

250000

200000

150000

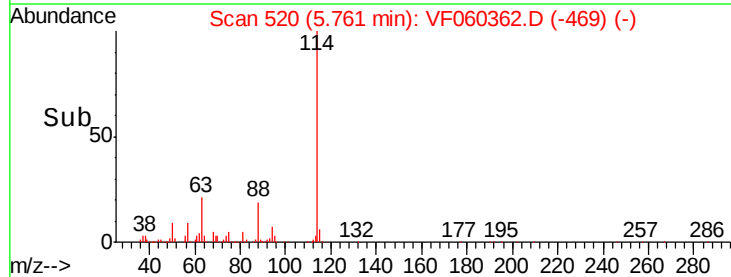
100000

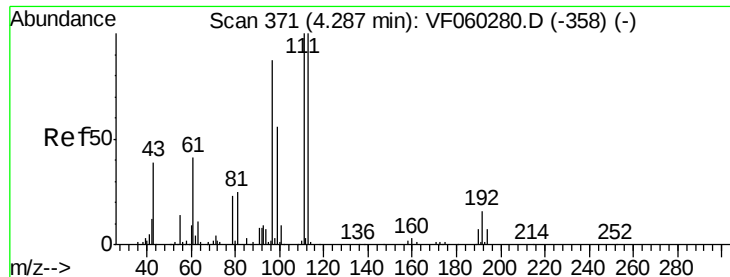
50000

0

Time--> 5.60 5.70 5.80 5.90

5.76





#35

Dibromofluoromethane

Concen: 57.020 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

PARCEL-190-092418-1

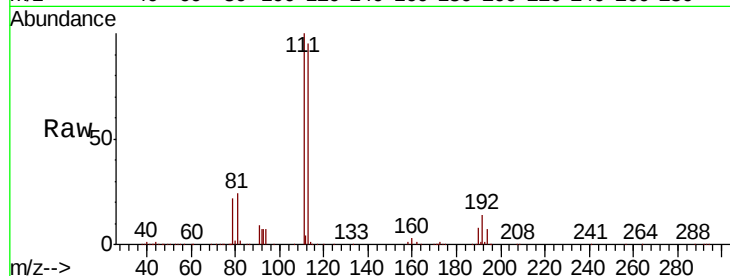
Tot Ion:113 Resp: 272590

Ion Ratio Lower Upper

113 100

111 105.6 79.6 119.4

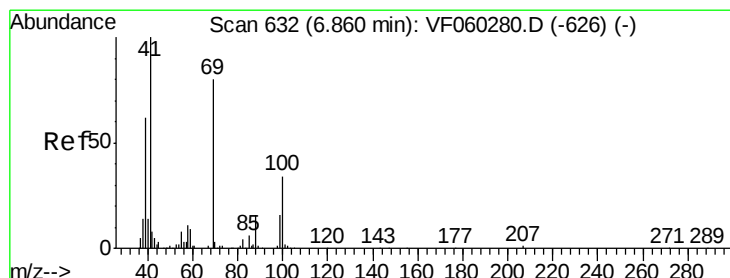
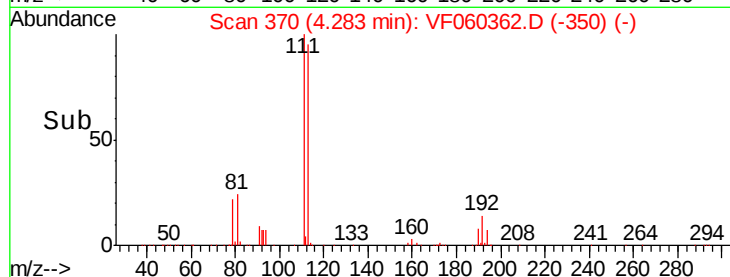
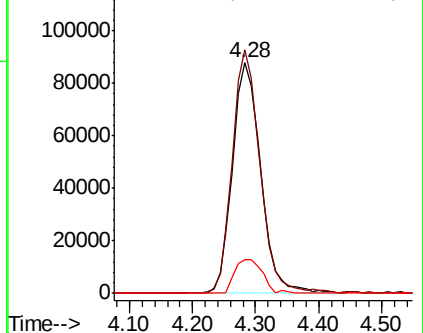
192 14.4 13.0 19.6



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



#49

1,4-Dioxane

Concen: 3.369 ug/l

RT: 6.85 min Scan# 630

Delta R.T. -0.01 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

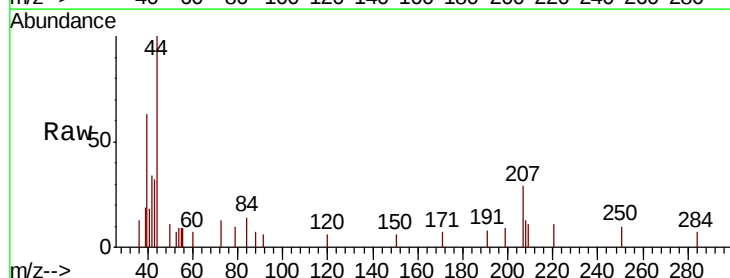
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 435.5 40.2 60.4#

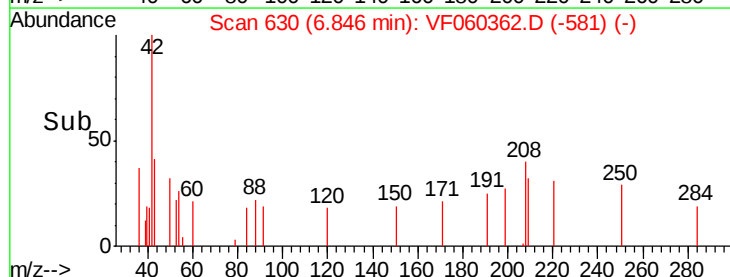
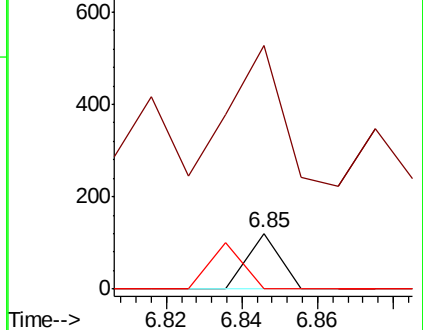
58 0.0 56.7 85.1#

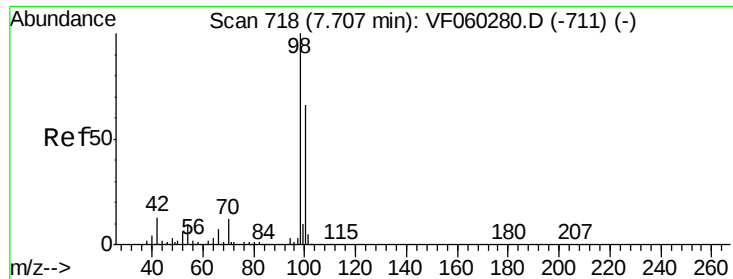


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

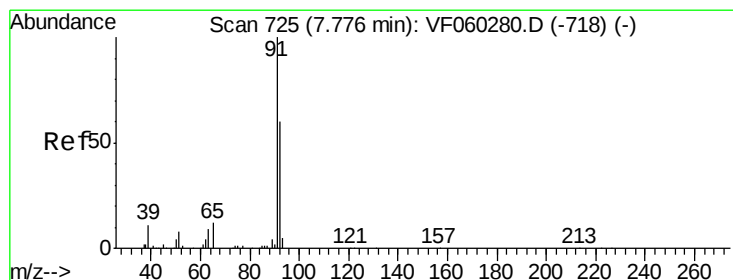
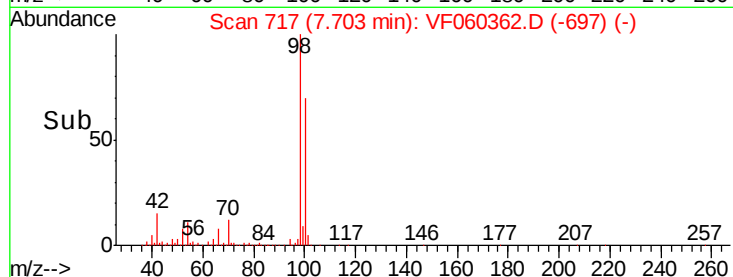
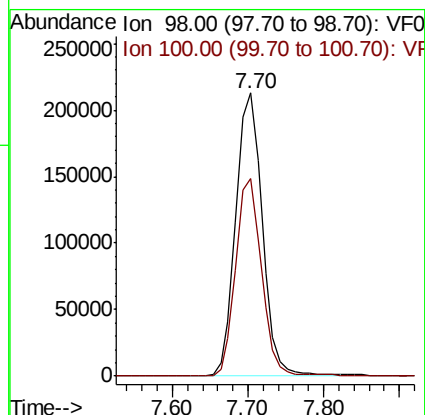
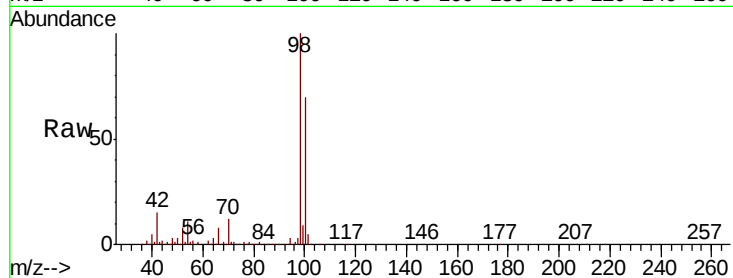




#50
Toluene-d8
Concen: 41.453 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.00 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

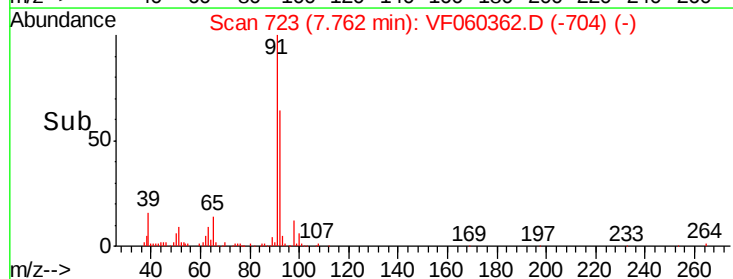
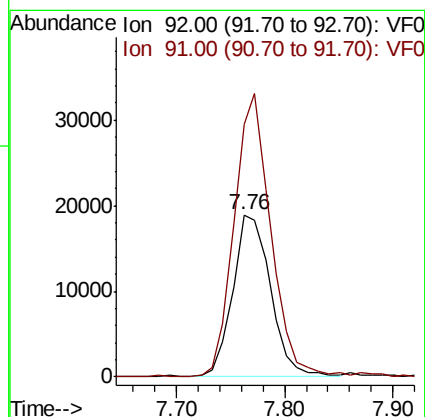
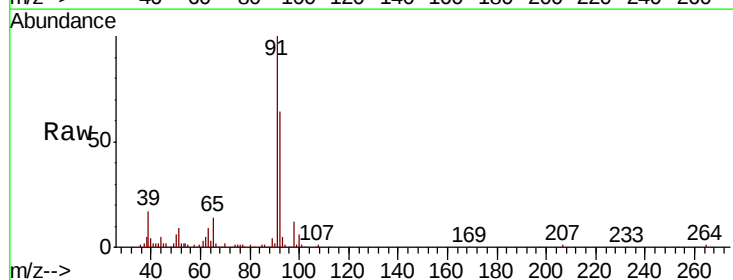
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-190-092418-1

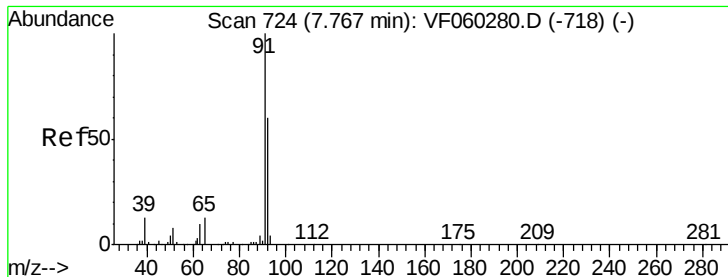
Tot Ion: 98 Resp: 516073
Ion Ratio Lower Upper
98 100
100 69.8 53.0 79.6



#52
Toluene
Concen: 4.828 ug/l
RT: 7.76 min Scan# 723
Delta R.T. -0.01 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

Tgt Ion: 92 Resp: 46328
Ion Ratio Lower Upper
92 100
91 156.0 133.3 199.9





#58

2-Chloroethyl Vinyl ether

Concen: 23.888 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

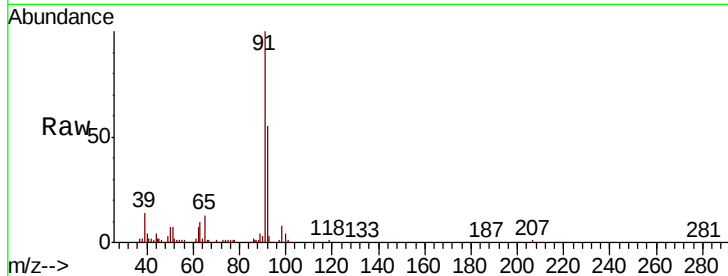
PARCEL-190-092418-1

Tot Ion: 63 Resp: 7428

Ion Ratio Lower Upper

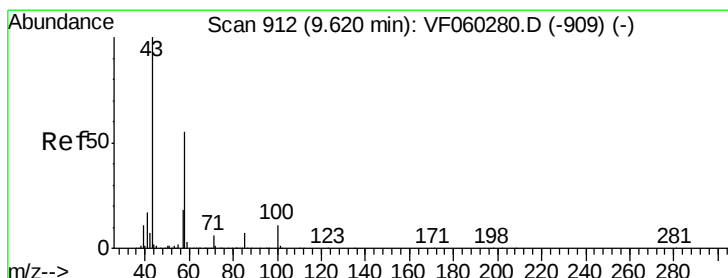
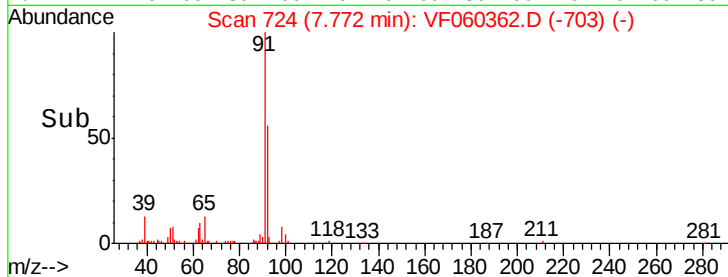
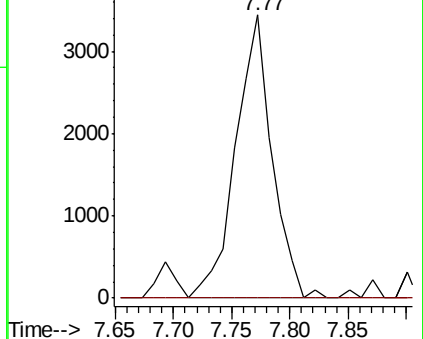
63 100

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): VF0



#59

2-Hexanone

Concen: 1.705 ug/l

RT: 9.63 min Scan# 912

Delta R.T. 0.01 min

Lab File: VF060362.D

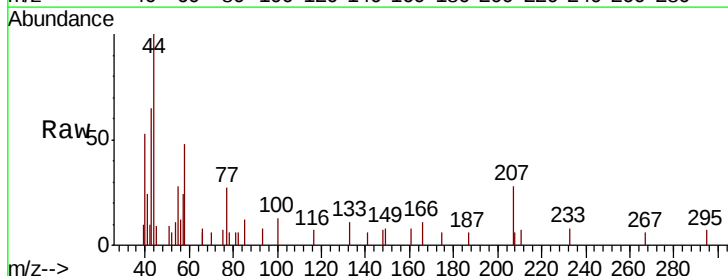
Acq: 26 Sep 2018 20:03

Tgt Ion: 43 Resp: 3189

Ion Ratio Lower Upper

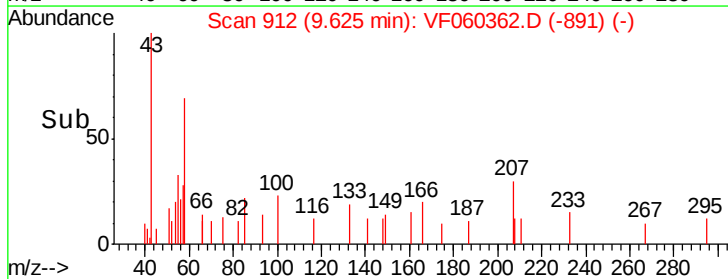
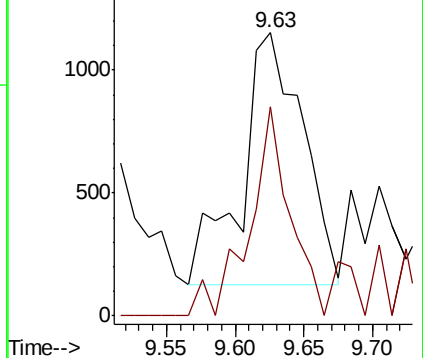
43 100

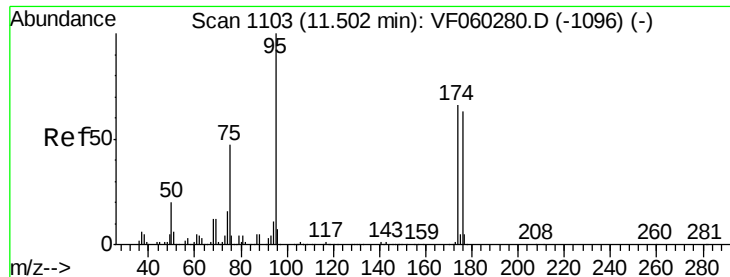
58 73.8 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 32.450 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

PARCEL-190-092418-1

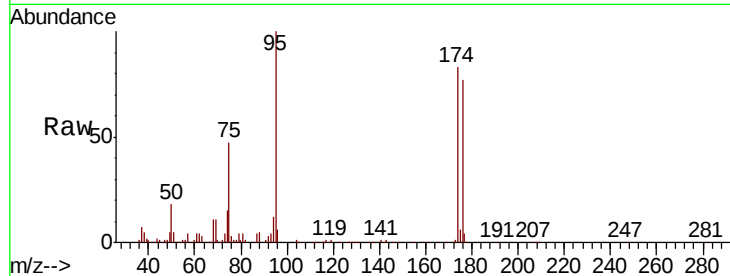
Tot Ion: 95 Resp: 174631

Ion Ratio Lower Upper

95 100

174 83.0 0.0 131.2

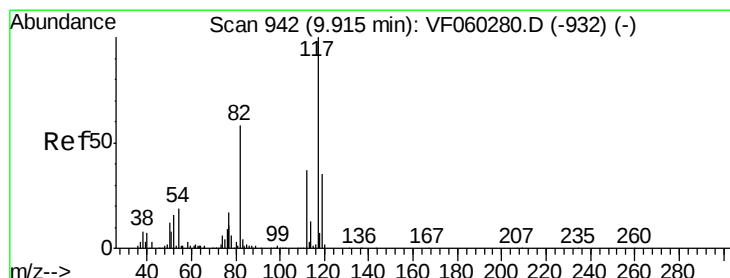
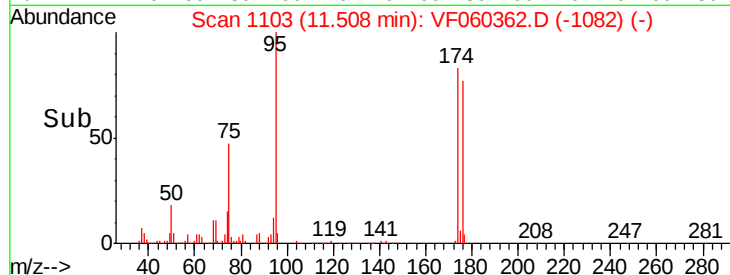
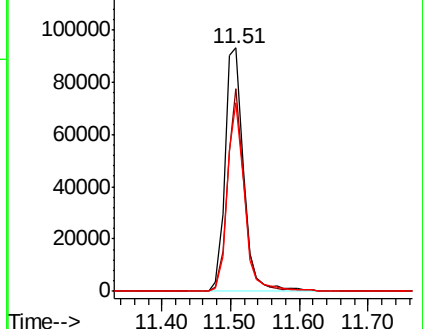
176 77.4 0.0 126.6



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# 941

Delta R.T. -0.00 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

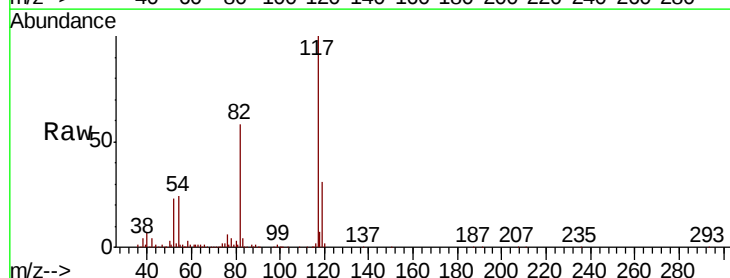
Tgt Ion: 117 Resp: 362932

Ion Ratio Lower Upper

117 100

82 57.8 46.2 69.2

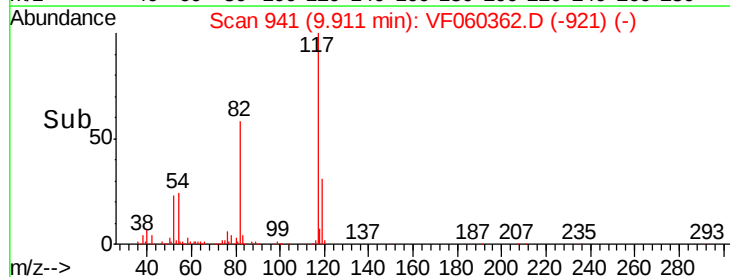
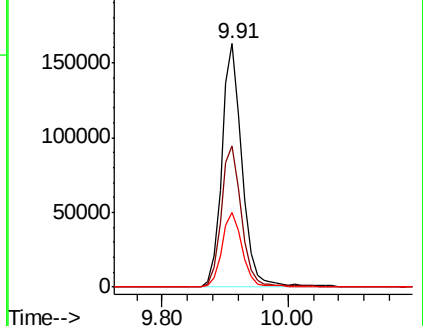
119 30.8 27.8 41.6

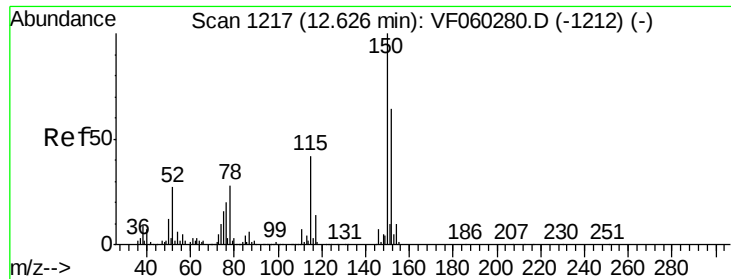


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



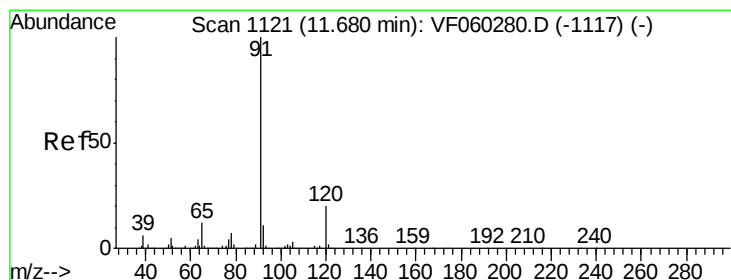
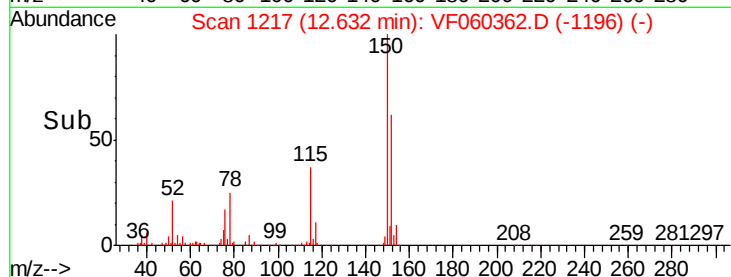
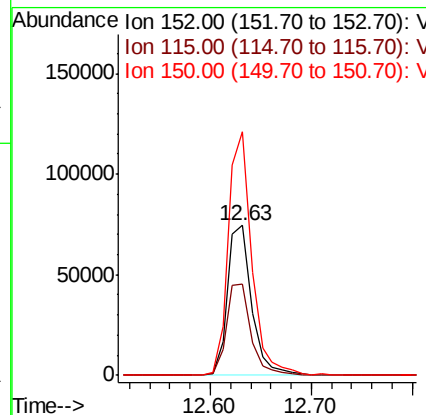
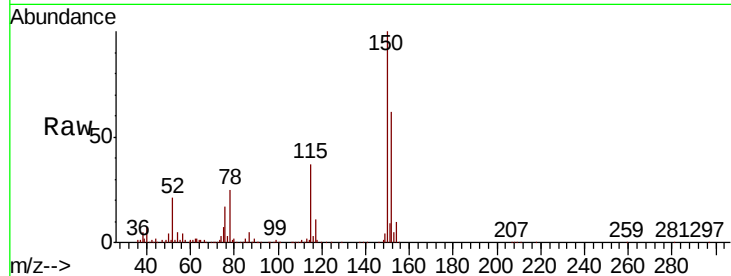


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

Instrument :
MSVOA_F
ClientSampleId :
PARCEL-190-092418-1

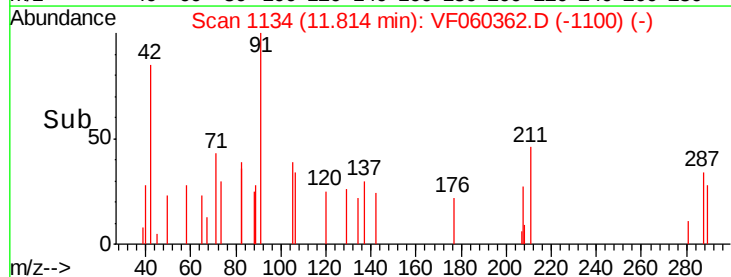
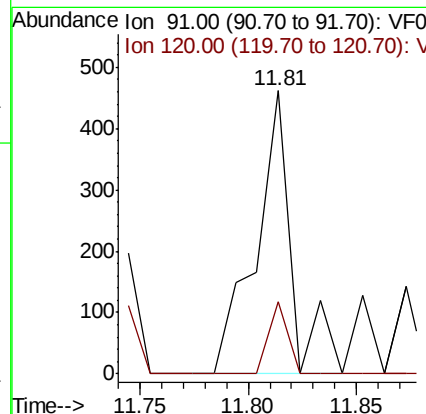
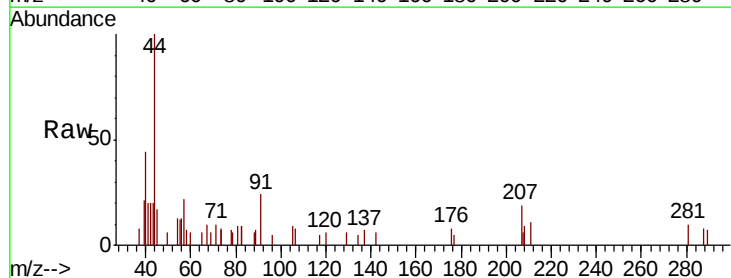
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	32.6	97.8
150	162.2	0.0	314.2

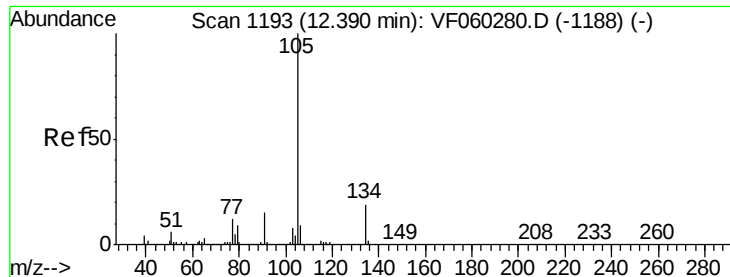


#78

n-propylbenzene
Concen: Below Cal
RT: 11.81 min Scan# 1134
Delta R.T. 0.13 min
Lab File: VF060362.D
Acq: 26 Sep 2018 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	10.0	29.8





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.39 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

Instrument :

MSVOA_F

ClientSampleId :

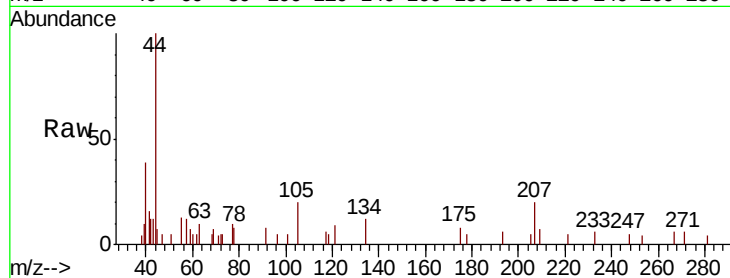
PARCEL-190-092418-1

Tot Ion:105 Resp: 466

Ion Ratio Lower Upper

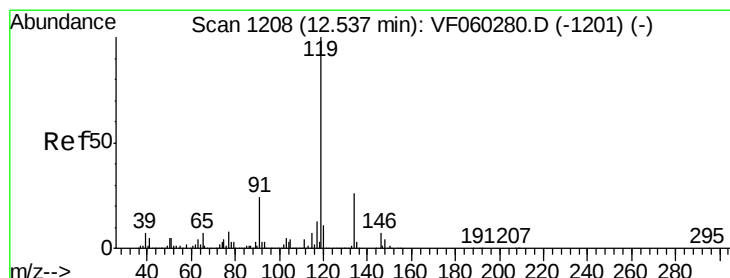
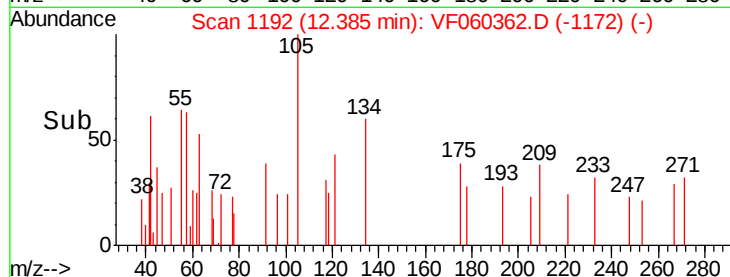
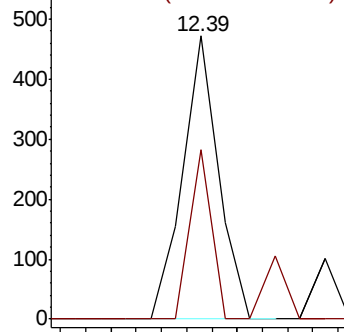
105 100

134 59.7 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. -0.00 min

Lab File: VF060362.D

Acq: 26 Sep 2018 20:03

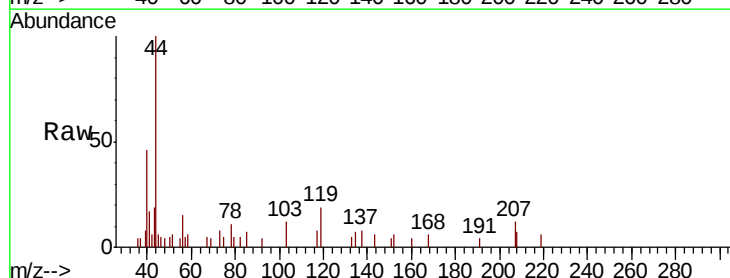
Tgt Ion:119 Resp: 832

Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

91 0.0 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): V

