

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060365.D
 Acq On : 26 Sep 2018 21:26
 Operator : VA/AP
 Sample : J5077-06
 Misc : 5.49/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-193-092418-2

Quant Time: Sep 27 03:08:28 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	305664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	516874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	412033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	188768	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	276104	67.08	ug/l	0.00
Spiked Amount			Recovery	=	134.16%	
35) Dibromofluoromethane	4.28	113	260790	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
50) Toluene-d8	7.70	98	524605	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
62) 4-Bromofluorobenzene	11.50	95	217478	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	

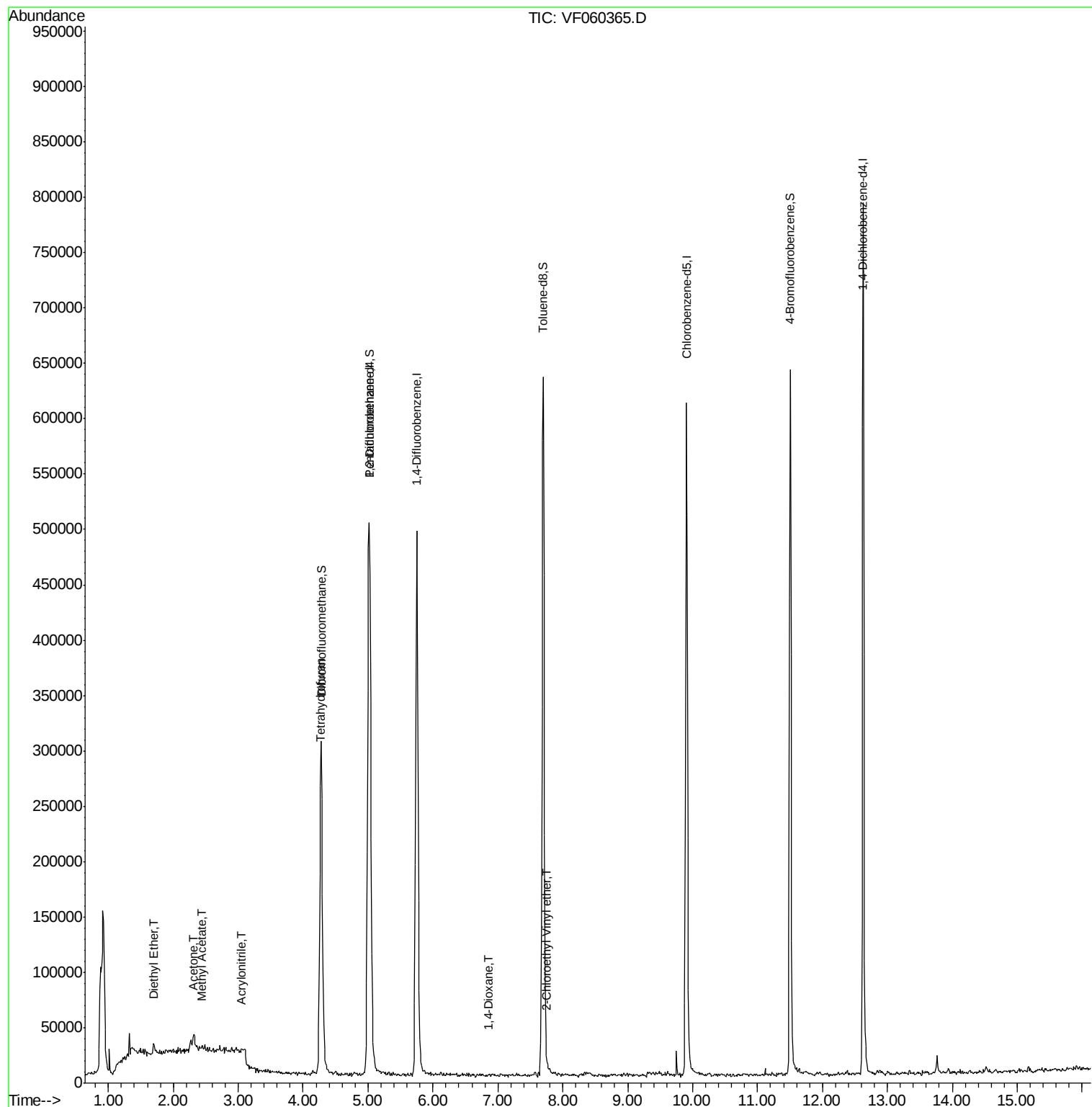
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	599	Below Cal	#	40
5) Bromomethane	1.49	94	470	Below Cal		82
8) Diethyl Ether	1.70	74	2459	1.869	ug/l	64
11) Tert butyl alcohol	2.67	59	923	Below Cal	#	1
13) Acrolein	2.16	56	621	Below Cal		89
15) Acrylonitrile	3.04	53	1218	2.095	ug/l #	36
16) Acetone	2.33	43	2033	1.754	ug/l #	90
17) Carbon Disulfide	1.86	76	121	Below Cal	#	1
18) Methyl Acetate	2.44	43	6177	3.199	ug/l #	78
20) Methylene Chloride	2.32	84	8593	Below Cal		95
29) Tetrahydrofuran	4.26	42	2023	3.541	ug/l #	57
49) 1,4-Dioxane	6.85	88	66	3.204	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.76	63	413	1.378	ug/l	100
78) n-propylbenzene	11.69	91	743	Below Cal	#	57
85) sec-Butylbenzene	12.38	105	953	Below Cal		84
86) p-Isopropyltoluene	12.54	119	791	Below Cal	#	78
89) n-Butylbenzene	12.91	91	955	Below Cal		94

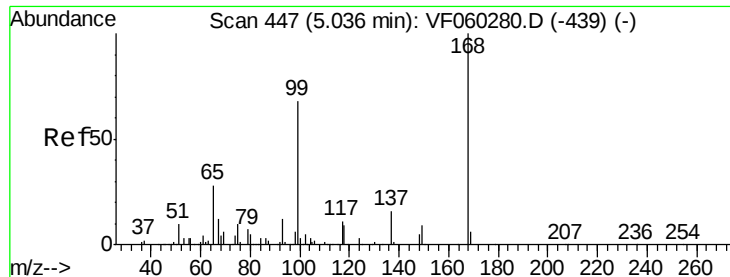
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

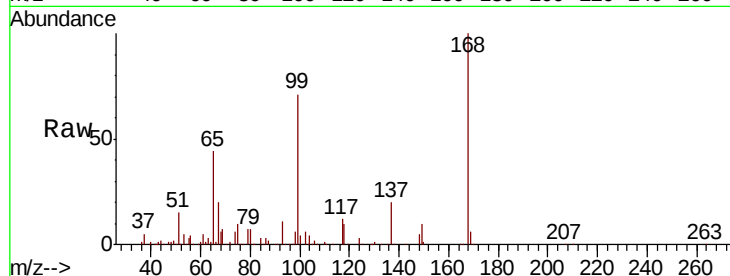
PARCEL-193-092418-2

Tot Ion:168 Resp: 305664

Ion Ratio Lower Upper

168 100

99 70.7 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

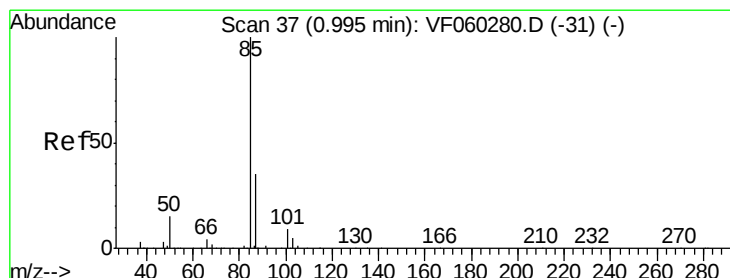
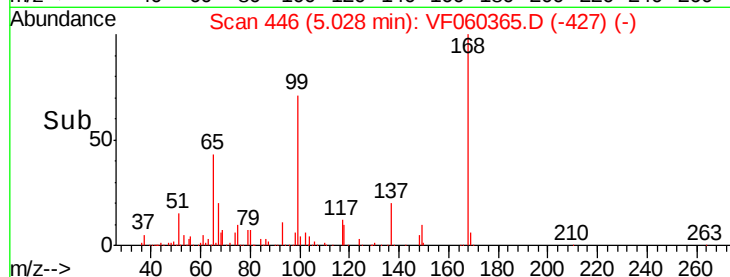
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060365.D

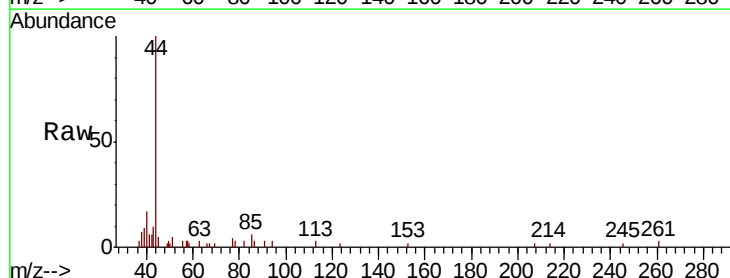
Acq: 26 Sep 2018 21:26

Tgt Ion: 85 Resp: 599

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

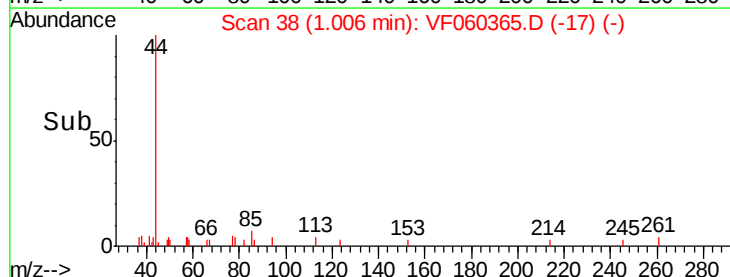
300

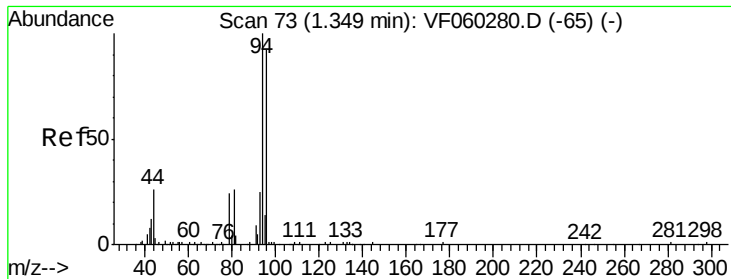
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.49 min Scan# 87

Delta R.T. 0.14 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

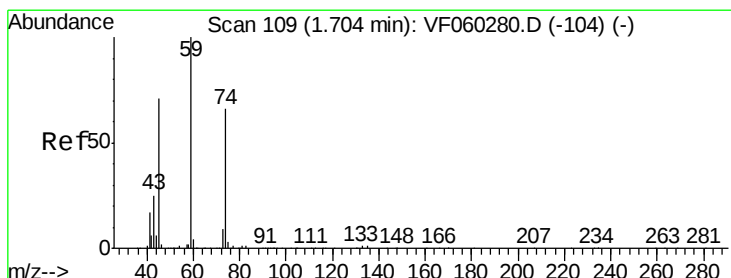
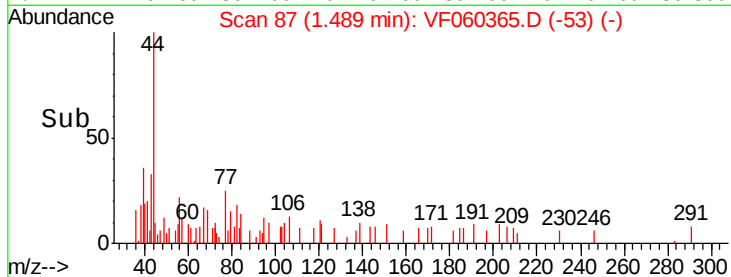
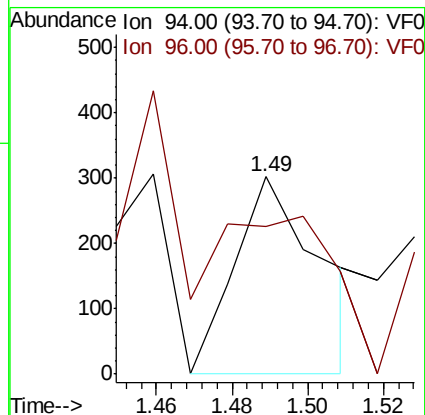
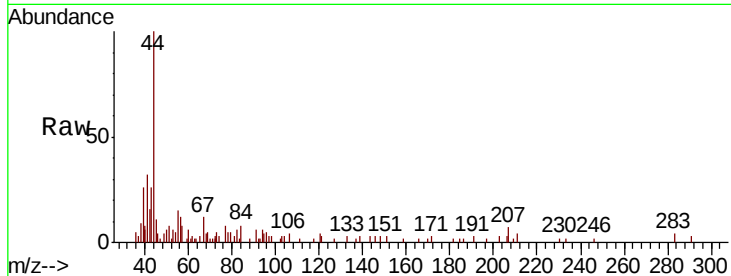
PARCEL-193-092418-2

Tot Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 74.8 73.9 110.9



#8

Diethyl Ether

Concen: 1.869 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060365.D

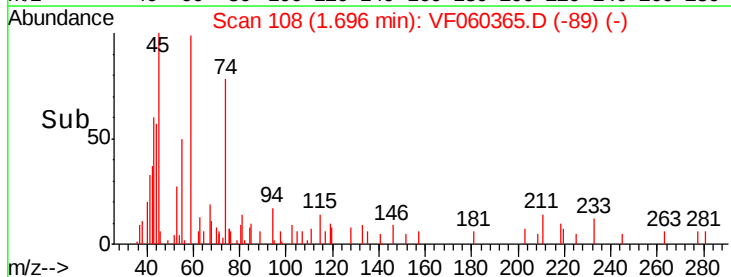
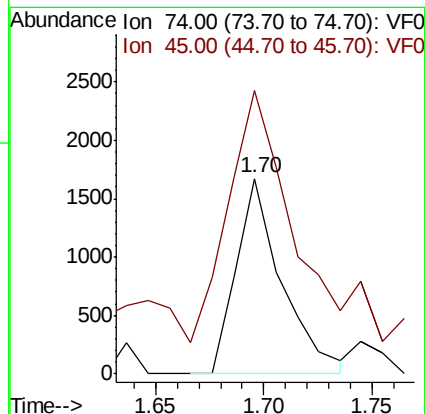
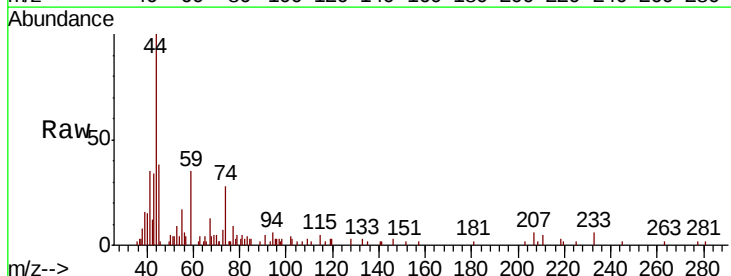
Acq: 26 Sep 2018 21:26

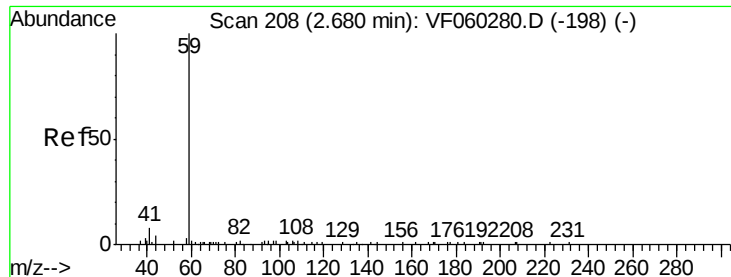
Tgt Ion: 74 Resp: 2459

Ion Ratio Lower Upper

74 100

45 144.9 53.9 161.7



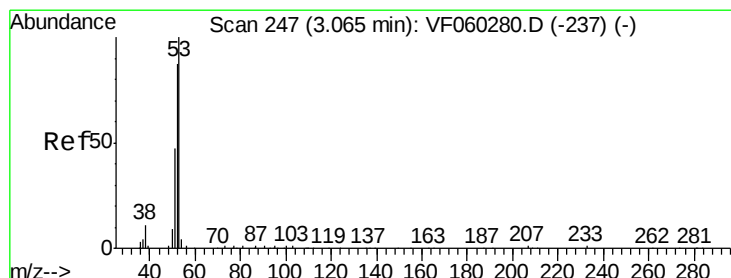
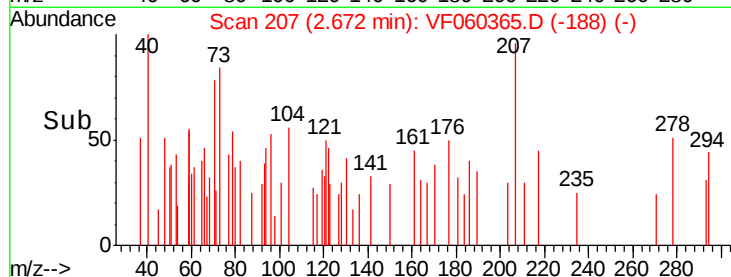
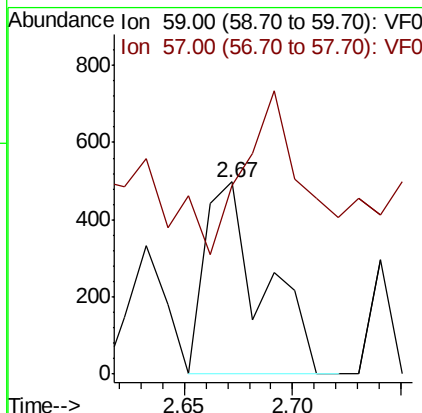
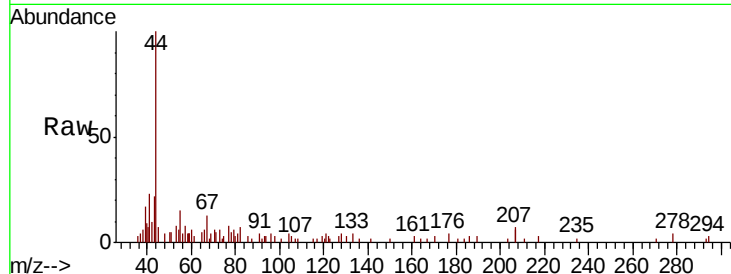


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060365.D
 Acq: 26 Sep 2018 21:26

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-193-092418-2

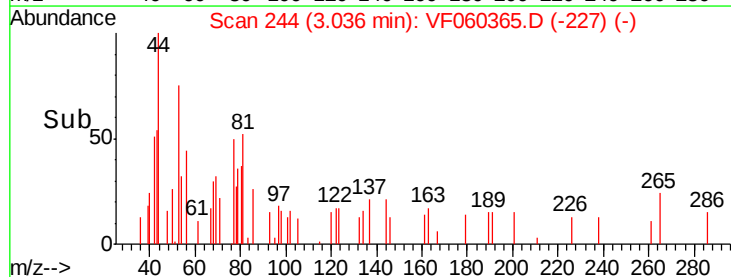
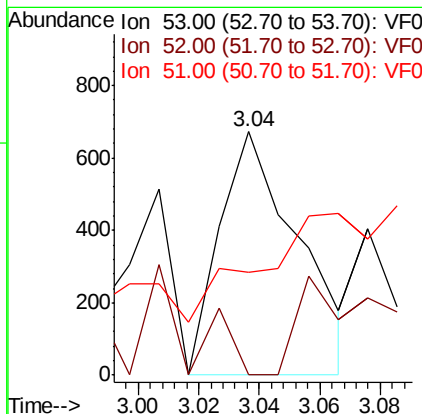
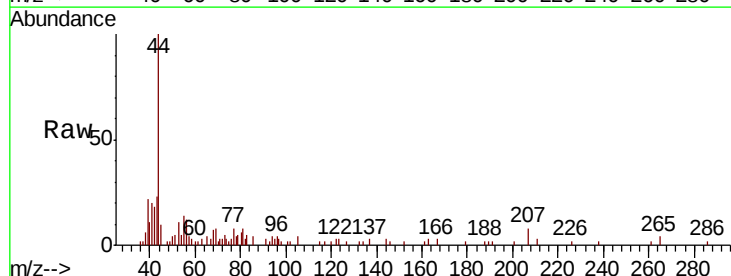
Tot Ion: 59 Resp: 923
 Ion Ratio Lower Upper
 59 100
 57 98.2 12.4 18.6#

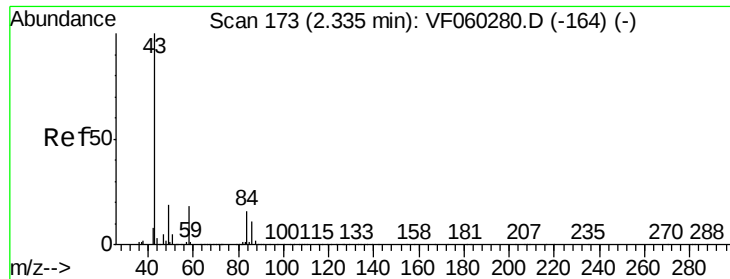


#15

Acrylonitrile
 Concen: 2.095 ug/l
 RT: 3.04 min Scan# 244
 Delta R.T. -0.03 min
 Lab File: VF060365.D
 Acq: 26 Sep 2018 21:26

Tgt Ion: 53 Resp: 1218
 Ion Ratio Lower Upper
 53 100
 52 0.0 69.5 104.3#
 51 42.3 38.1 57.1





#16

Acetone

Concen: 1.754 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

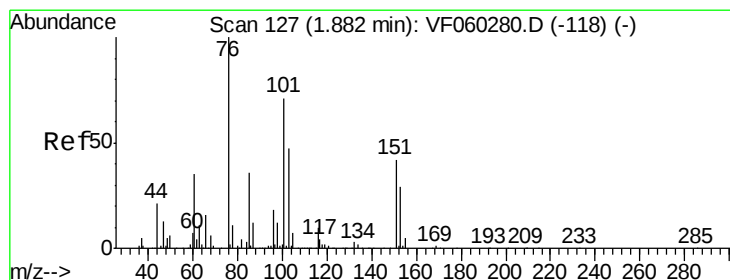
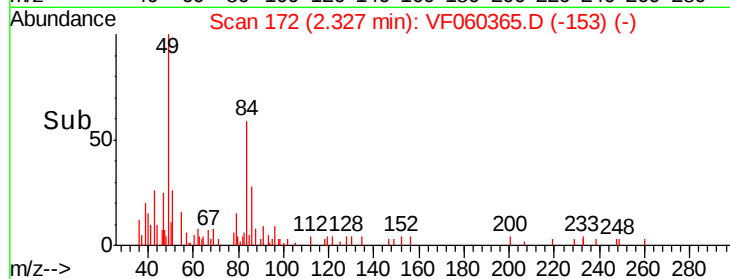
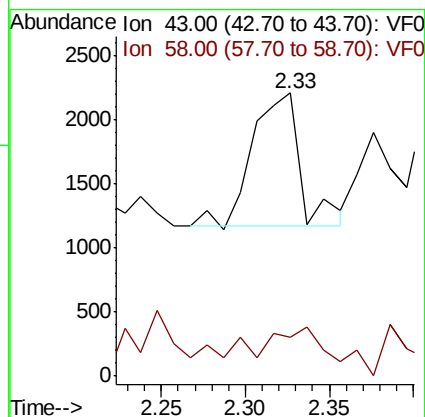
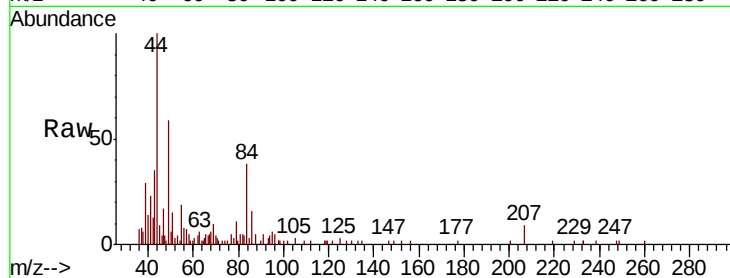
PARCEL-193-092418-2

Tot Ion: 43 Resp: 2033

Ion Ratio Lower Upper

43 100

58 13.9 14.5 21.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.86 min Scan# 125

Delta R.T. -0.02 min

Lab File: VF060365.D

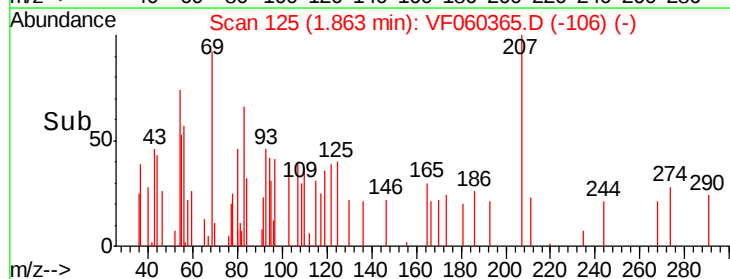
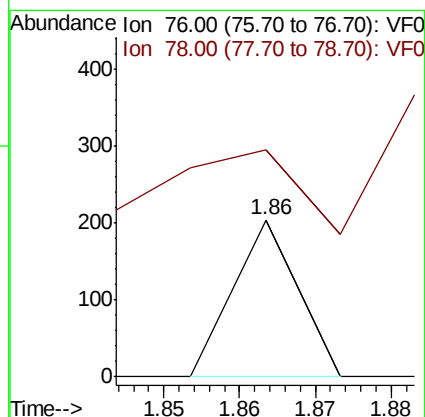
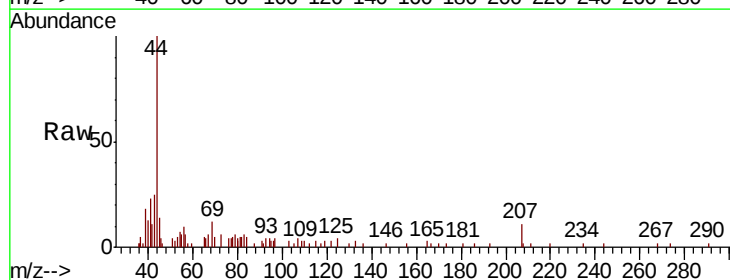
Acq: 26 Sep 2018 21:26

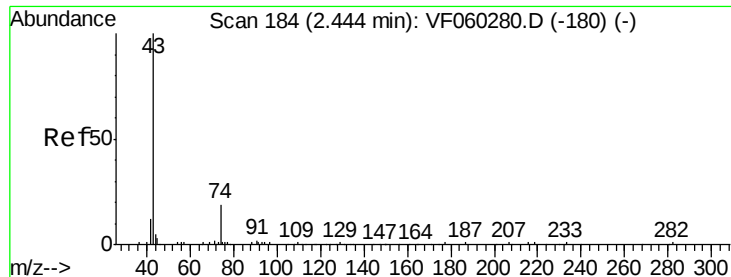
Tgt Ion: 76 Resp: 121

Ion Ratio Lower Upper

76 100

78 145.1 9.4 14.0#

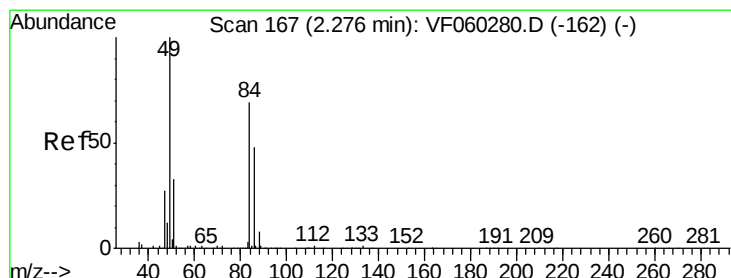
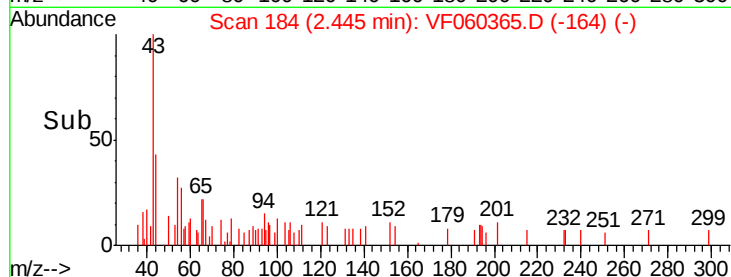
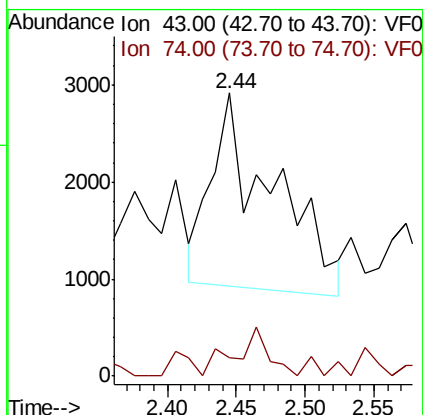
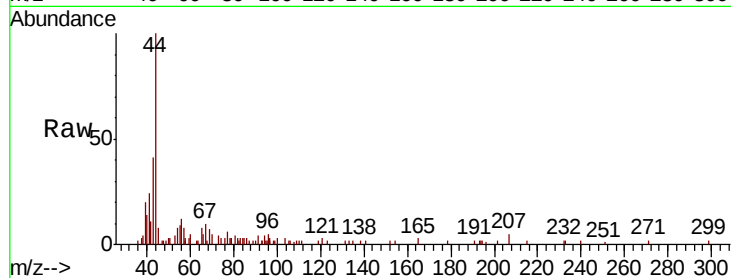




#18
Methyl Acetate
Concen: 3.199 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060365.D
Acq: 26 Sep 2018 21:26

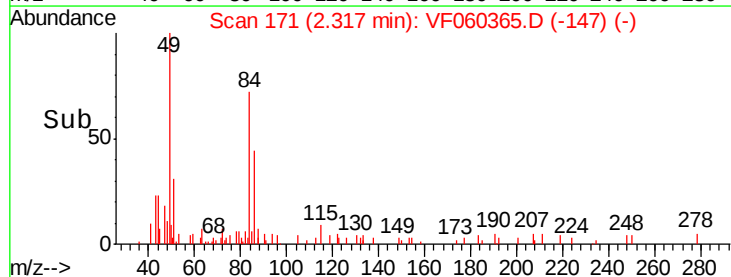
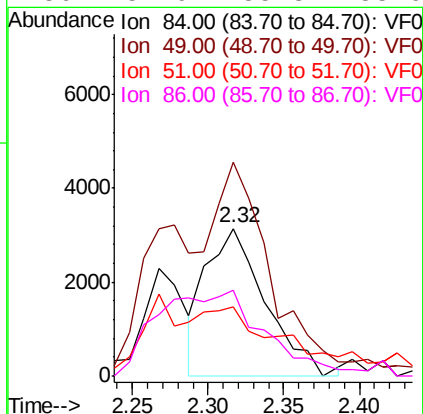
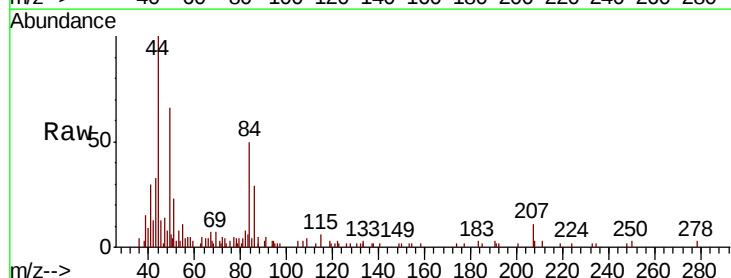
Instrument :
MSVOA_F
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PARCEL-193-092418-2

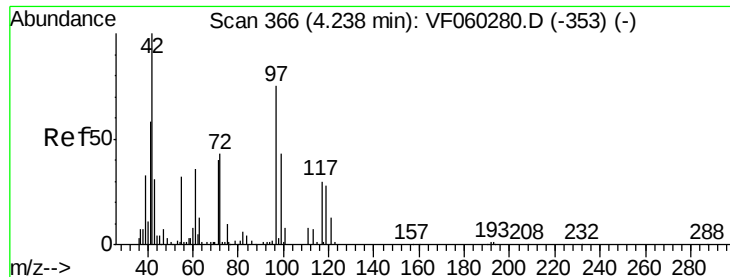
Tot Ion: 43 Resp: 6177
Ion Ratio Lower Upper
43 100
74 6.7 12.7 19.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.32 min Scan# 171
Delta R.T. 0.04 min
Lab File: VF060365.D
Acq: 26 Sep 2018 21:26

Tgt Ion: 84 Resp: 8593
Ion Ratio Lower Upper
84 100
49 144.8 118.3 177.5
51 47.2 38.7 58.1
86 57.9 55.8 83.6





#29

Tetrahydrofuran

Concen: 3.541 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.02 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

PARCEL-193-092418-2

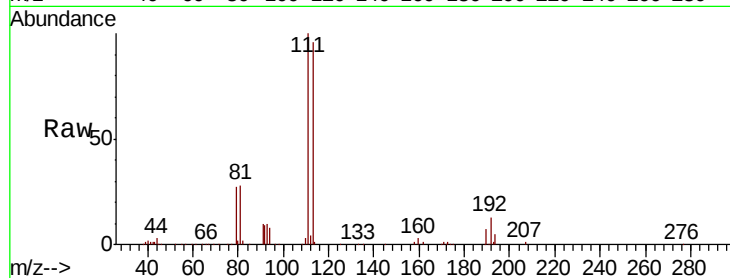
Tot Ion: 42 Resp: 2023

Ion Ratio Lower Upper

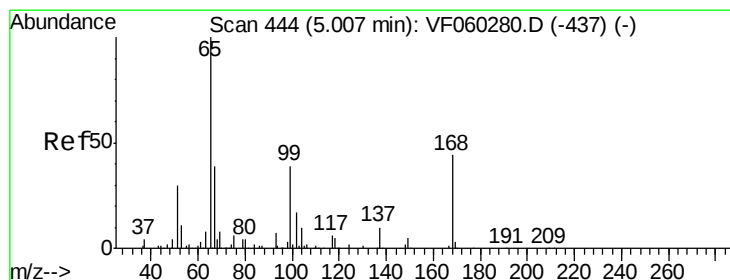
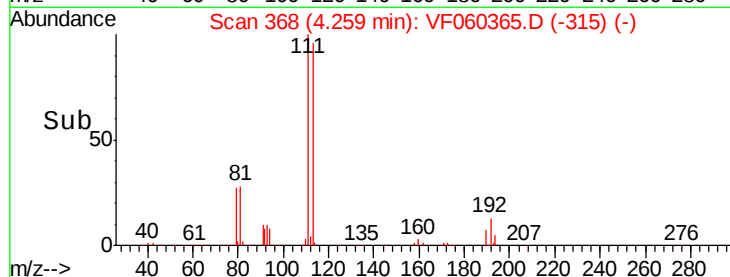
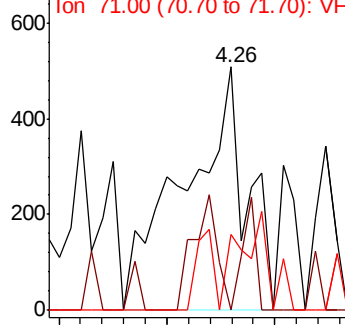
42 100

72 18.5 32.6 49.0#

71 9.2 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: 67.083 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060365.D

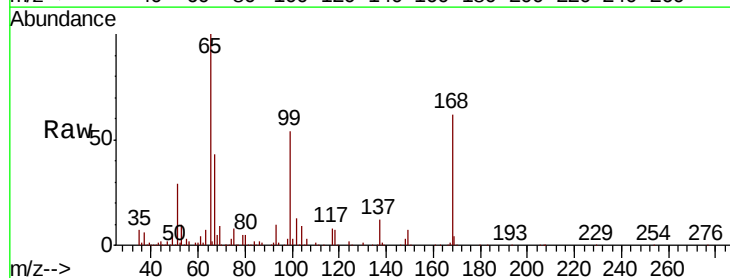
Acq: 26 Sep 2018 21:26

Tgt Ion: 65 Resp: 276104

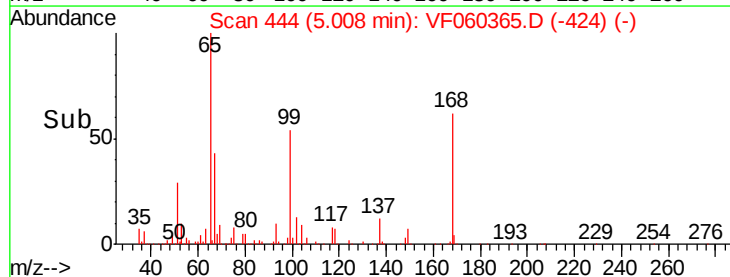
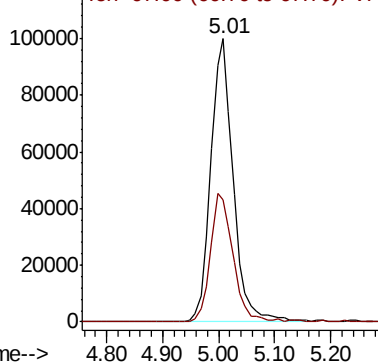
Ion Ratio Lower Upper

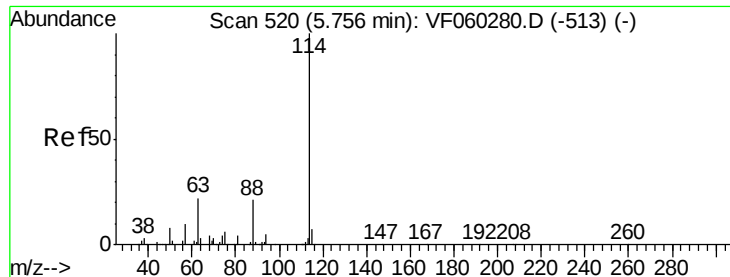
65 100

67 43.2 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# 519

Delta R.T. -0.01 min

Lab File: VF060365.D

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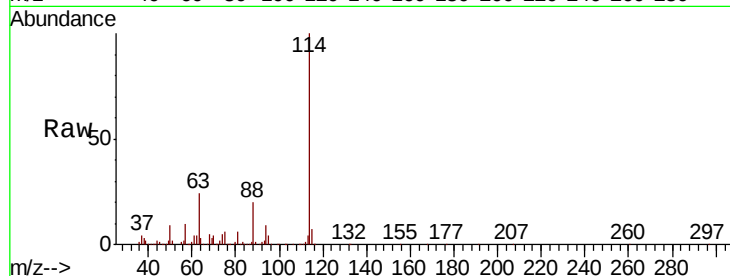
Tot Ion:114 Resp: 516874

Ion Ratio Lower Upper

114 100

63 23.5 0.0 43.8

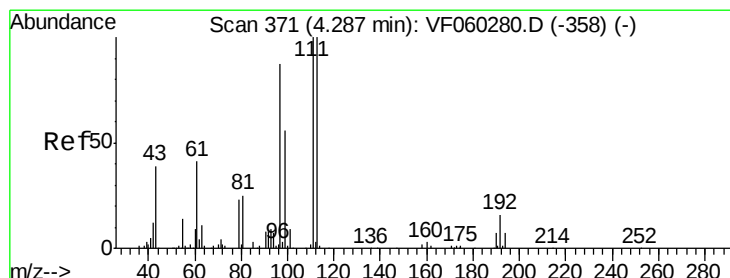
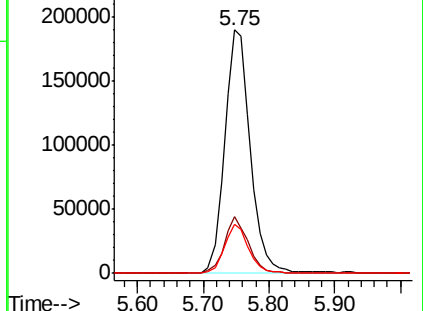
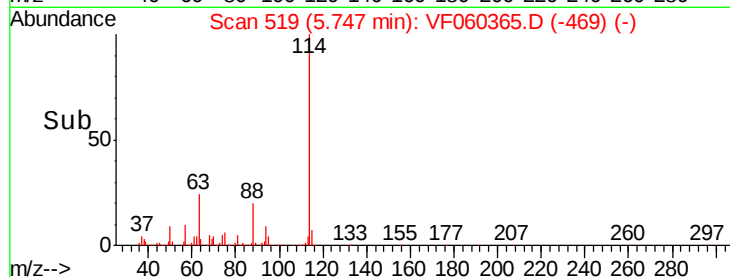
88 20.2 0.0 41.2



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: 56.601 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

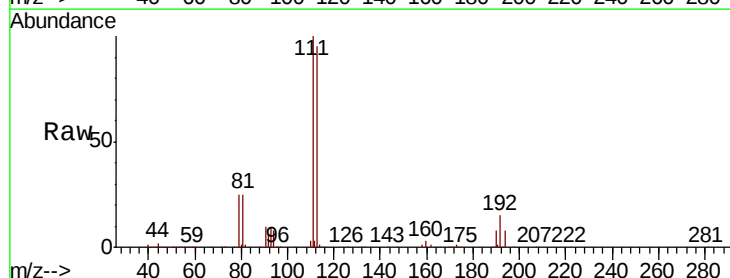
Tgt Ion:113 Resp: 260790

Ion Ratio Lower Upper

113 100

111 105.6 79.6 119.4

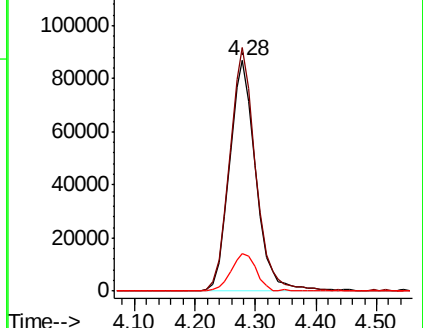
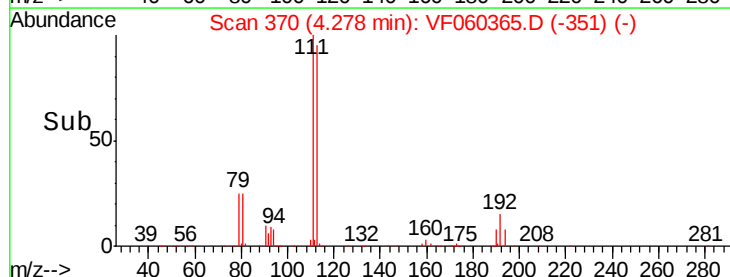
192 16.0 13.0 19.6

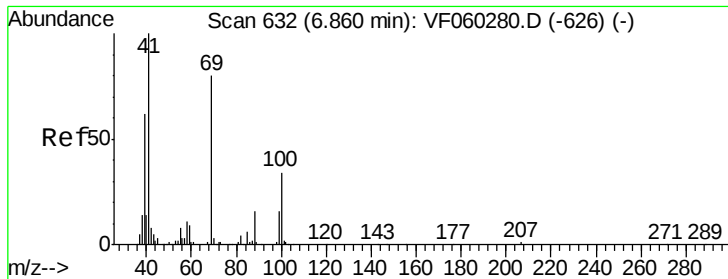


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.204 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

PARCEL-193-092418-2

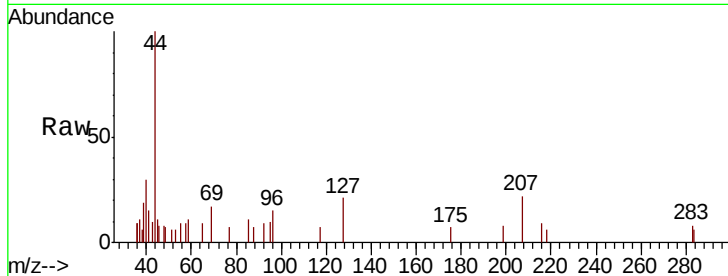
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 159.5 40.2 60.4#

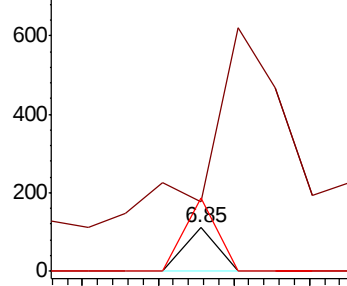
58 167.6 56.7 85.1#



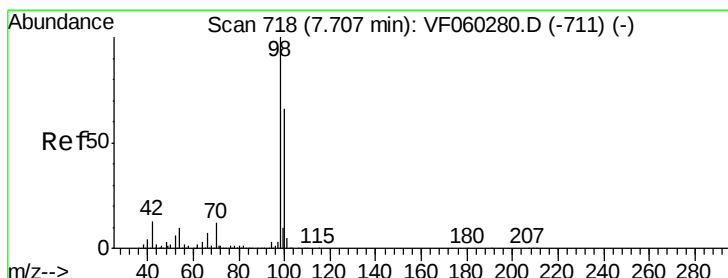
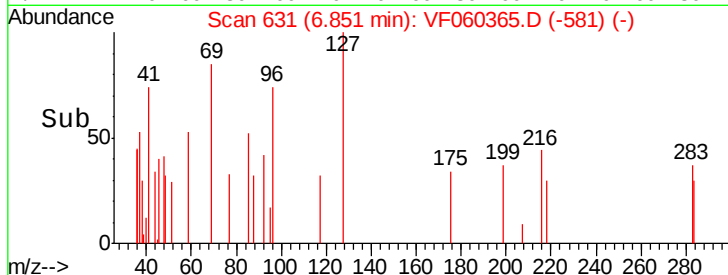
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 43.720 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060365.D

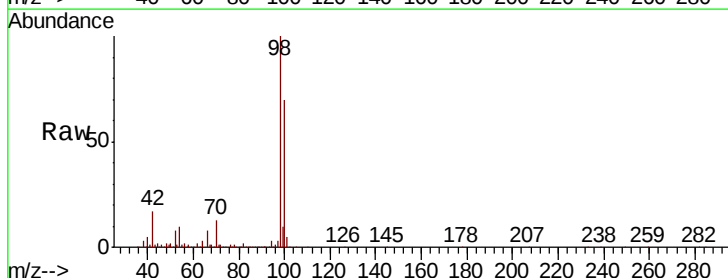
Acq: 26 Sep 2018 21:26

Tgt Ion: 98 Resp: 524605

Ion Ratio Lower Upper

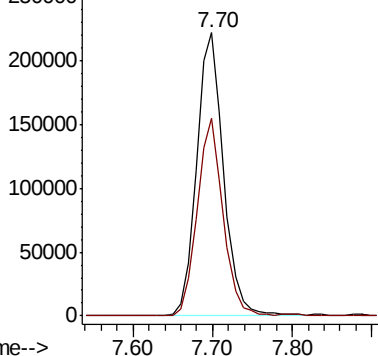
98 100

100 69.6 53.0 79.6

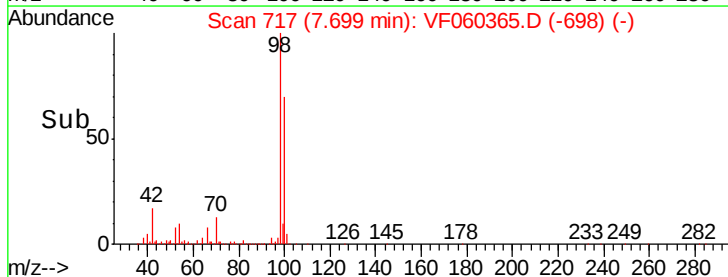


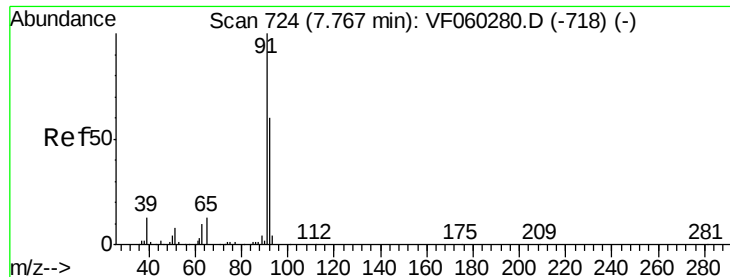
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->

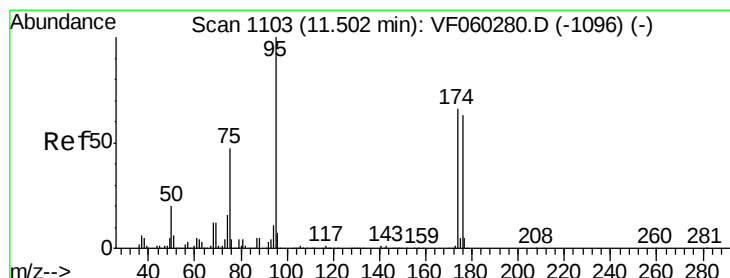
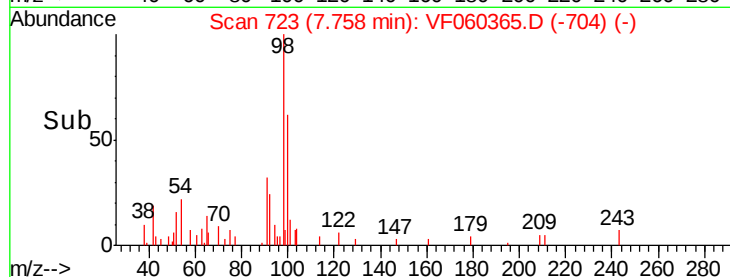
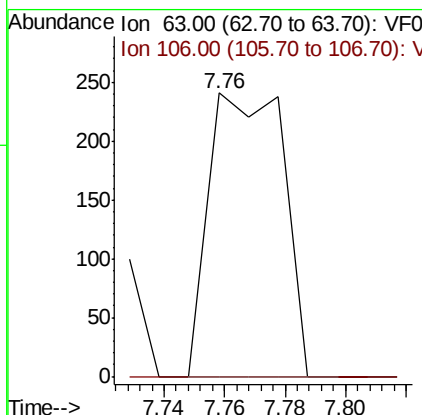
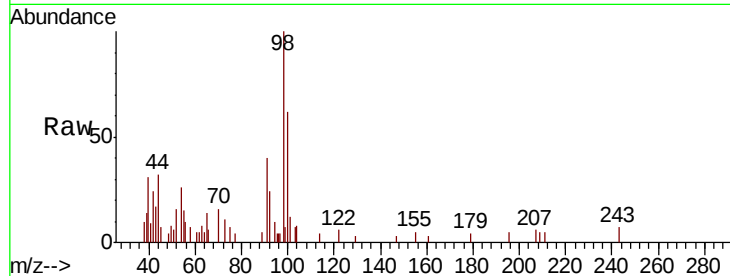




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.378 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VF060365.D
 Acq: 26 Sep 2018 21:26

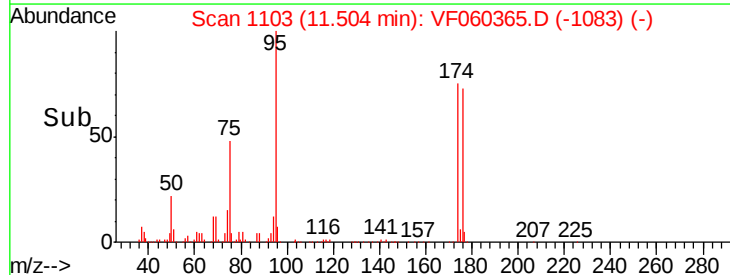
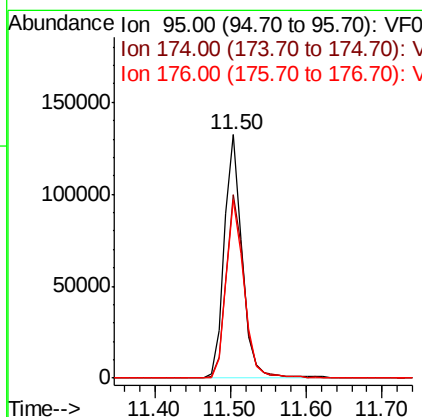
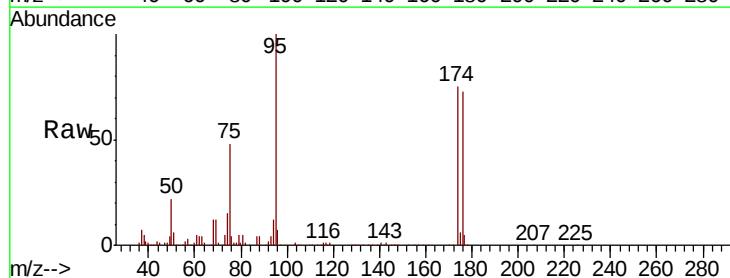
Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-193-092418-2

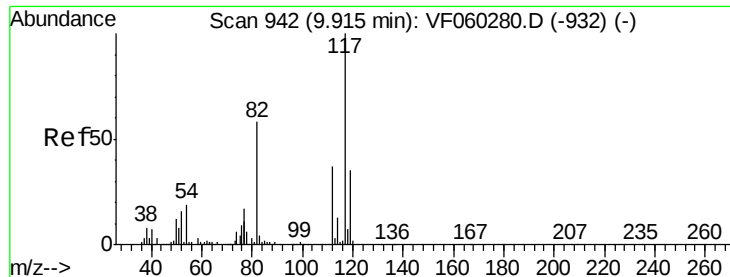
Tot Ion: 63 Resp: 413
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 41.929 ug/l
 RT: 11.50 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VF060365.D
 Acq: 26 Sep 2018 21:26

Tgt Ion: 95 Resp: 217478
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 131.2
 176 73.0 0.0 126.6

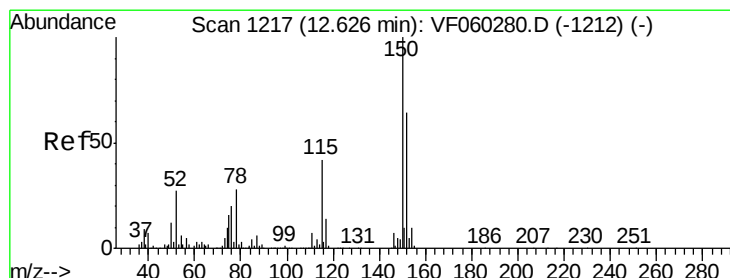
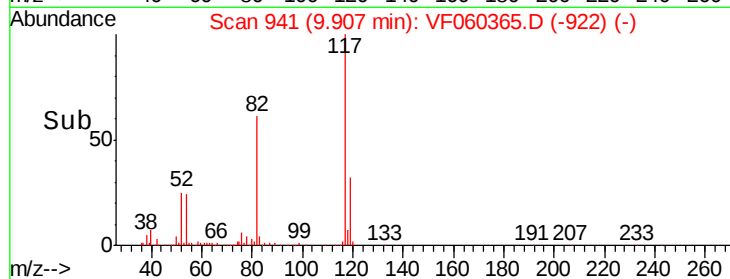
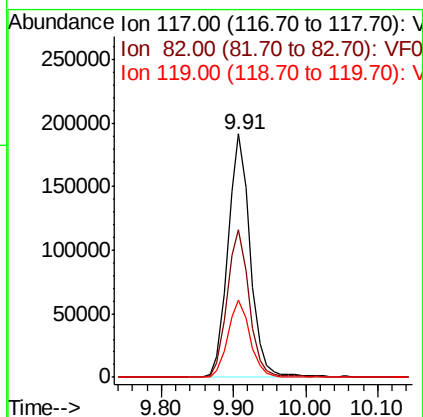
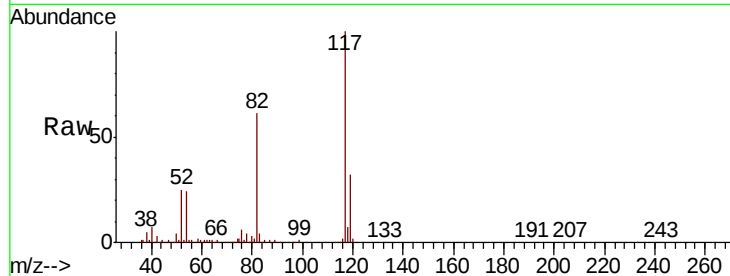




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060365.D
Acq: 26 Sep 2018 21:26

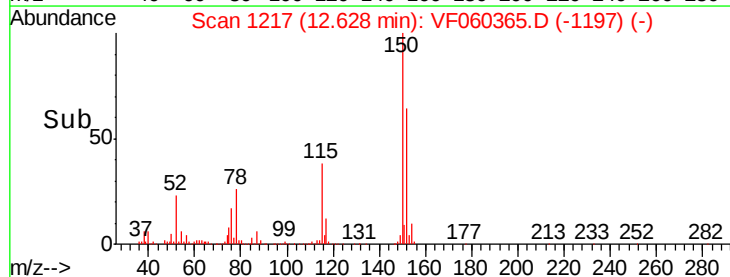
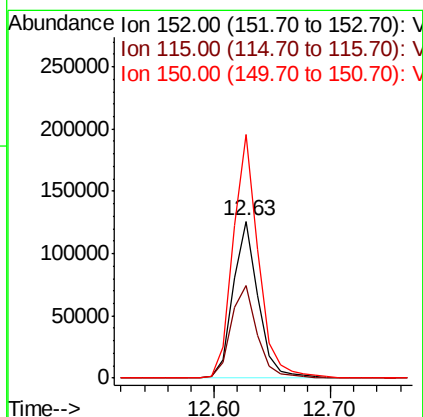
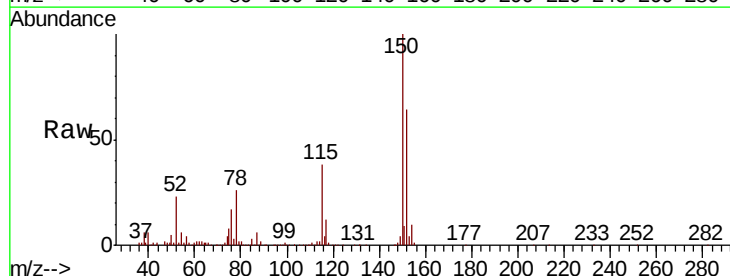
Instrument :
MSVOA_F
ClientSampleId :
PARCEL-193-092418-2

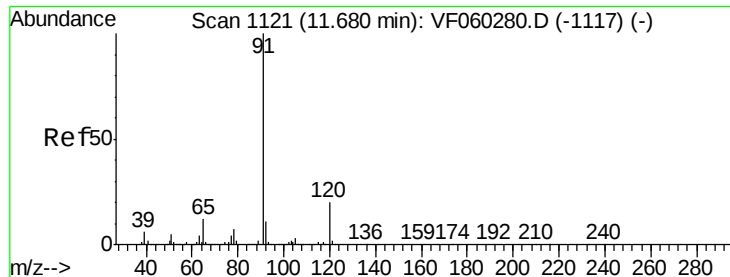
Tot Ion:117 Resp: 412033
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.2
119 31.9 27.8 41.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060365.D
Acq: 26 Sep 2018 21:26

Tgt Ion:152 Resp: 188768
Ion Ratio Lower Upper
152 100
115 58.7 32.6 97.8
150 155.2 0.0 314.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060365.D

Acq: 26 Sep 2018 21:26

Instrument :

MSVOA_F

ClientSampleId :

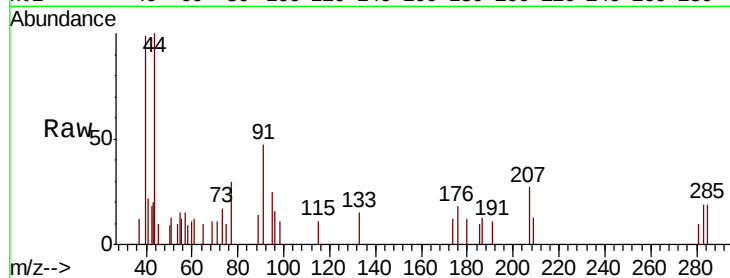
PARCEL-193-092418-2

Tot Ion: 91 Resp: 743

Ion Ratio Lower Upper

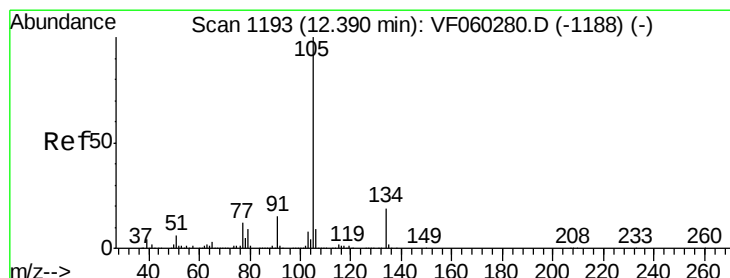
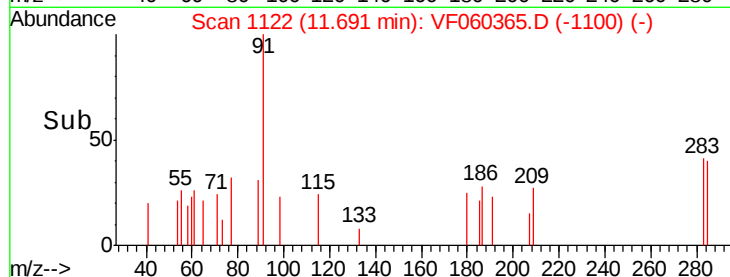
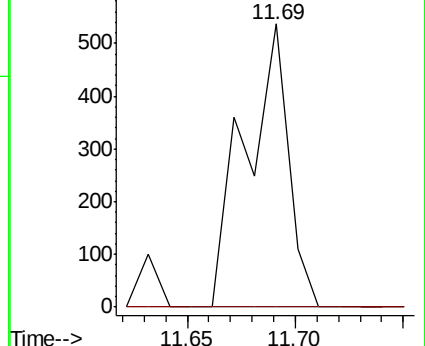
91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060365.D

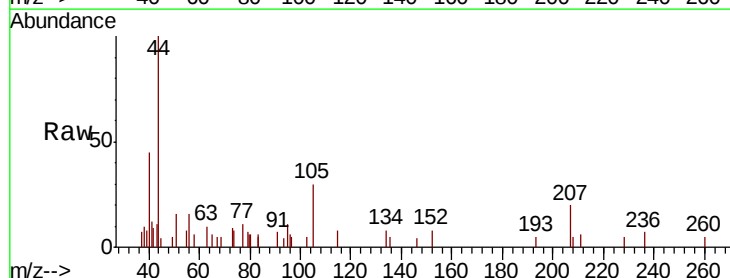
Acq: 26 Sep 2018 21:26

Tgt Ion: 105 Resp: 953

Ion Ratio Lower Upper

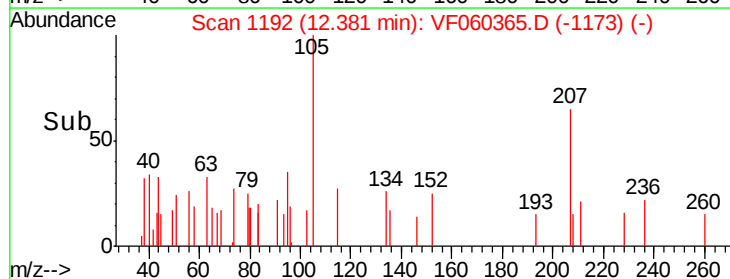
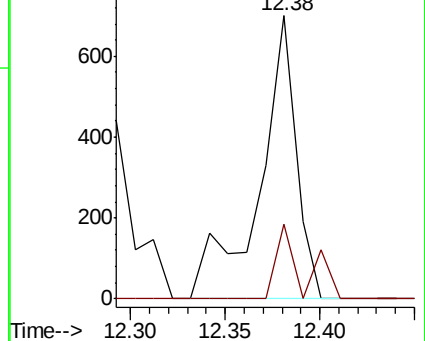
105 100

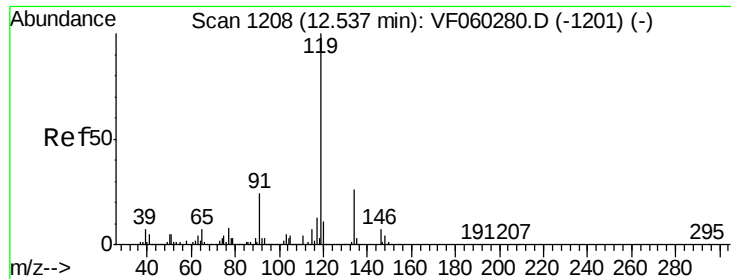
134 26.3 9.6 28.6



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: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060365.D
 Acq: 26 Sep 2018 21:26

Instrument :
 MSVOA_F
 ClientSampleId :
 PARCEL-193-092418-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.8	12.9	38.7
91	38.9	11.9	35.7

