

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060159.D
 Acq On : 28 Aug 2018 19:30
 Operator : VA/AP
 Sample : J4661-01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WASTE-CLASS-HOT-SPOT

Quant Time: Aug 29 01:17:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	94565	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	106695	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	68820	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	21129	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	31249	24.14	ug/l	-0.02
Spiked Amount				50.000		
Recovery						48.28%
35) Dibromofluoromethane	4.28	113	35863	42.80	ug/l	-0.02
Spiked Amount				50.000		
Recovery						85.60%
50) Toluene-d8	7.70	98	84896	35.68	ug/l	-0.02
Spiked Amount				50.000		
Recovery						71.36%
62) 4-Bromofluorobenzene	11.50	95	24061	19.12	ug/l	-0.01
Spiked Amount				50.000		
Recovery						38.24%

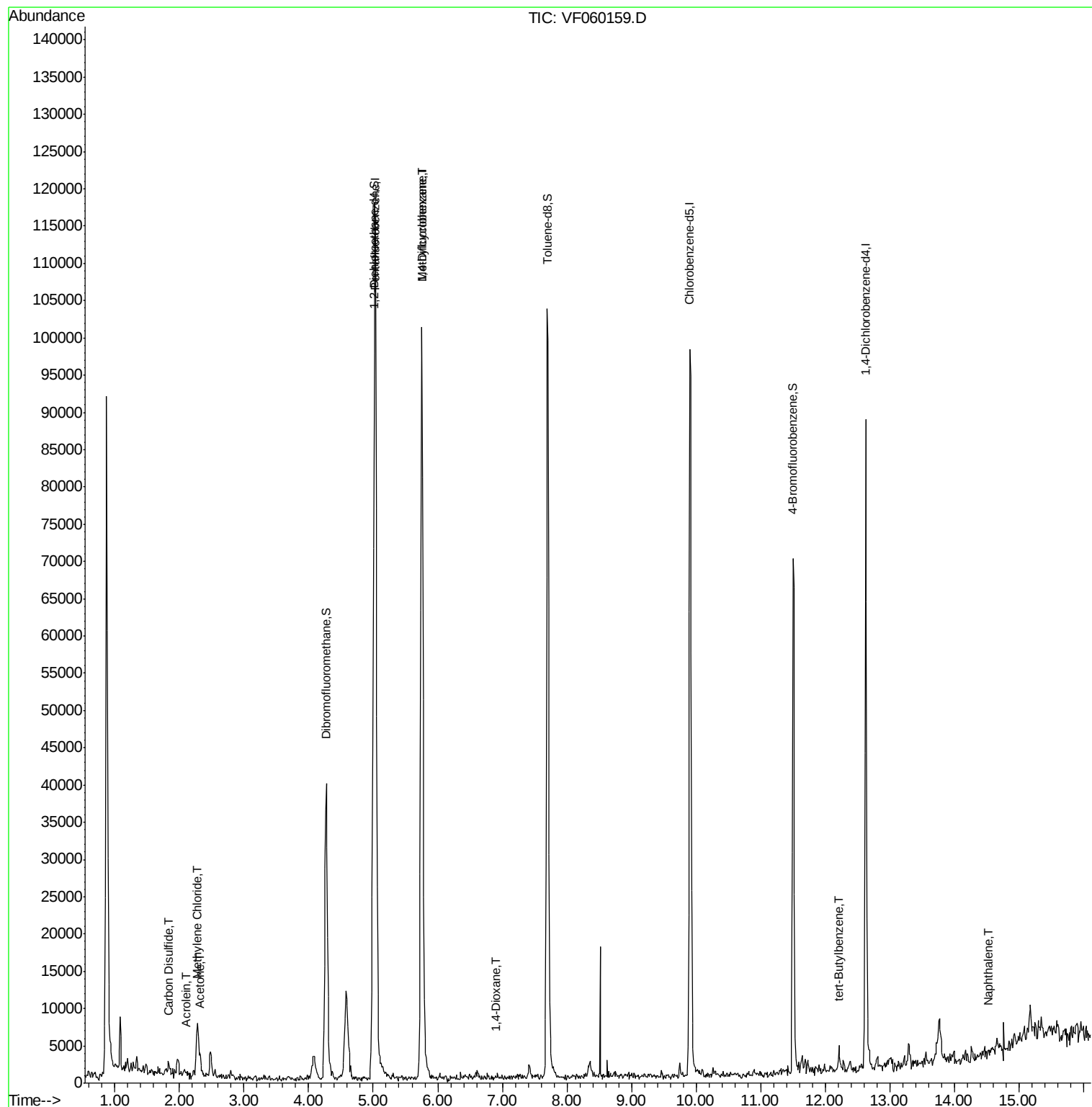
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	403	Below Cal	#	40
13) Acrolein	2.11	56	70	27.81	ug/l #	8
16) Acetone	2.32	43	1728	5.08	ug/l #	63
17) Carbon Disulfide	1.84	76	1964	1.04	ug/l #	72
18) Methyl Acetate	2.48	43	1007	Below Cal	#	60
20) Methylene Chloride	2.27	84	4256	1.37	ug/l #	58
39) Methylcyclohexane	5.74	83	1899	2.02	ug/l #	42
49) 1,4-Dioxane	6.90	88	113	23.57	ug/l #	18
52) Toluene	7.76	92	128	Below Cal	#	65
68) m/p-Xylenes	10.28	106	202	Below Cal	#	1
83) tert-Butylbenzene	12.21	119	1233	1.14	ug/l #	52
95) Naphthalene	14.52	128	460	2.84	ug/l #	69

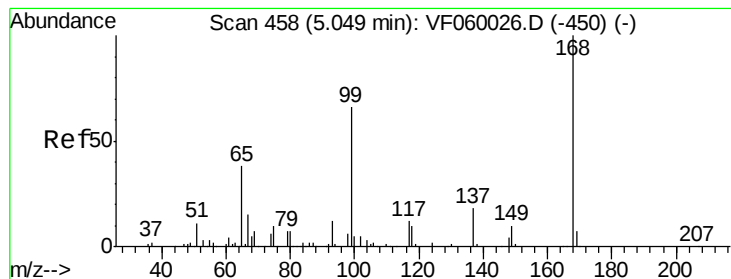
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

Instrument :

MSVOA_F

ClientSampleId :

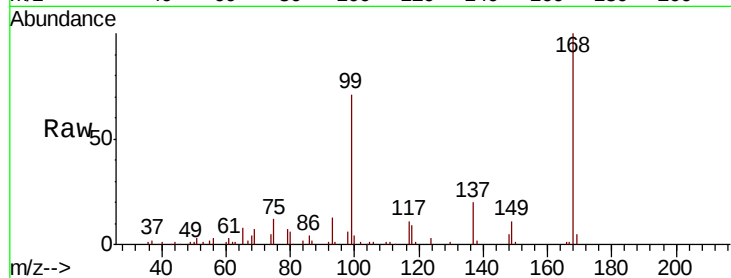
WASTE-CLASS-HOT-SPOT

Tot Ion:168 Resp: 94565

Ion Ratio Lower Upper

168 100

99 70.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

30000

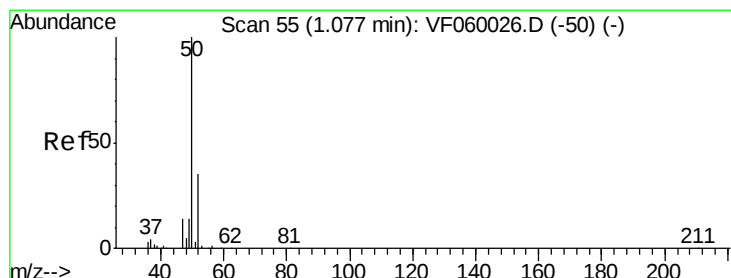
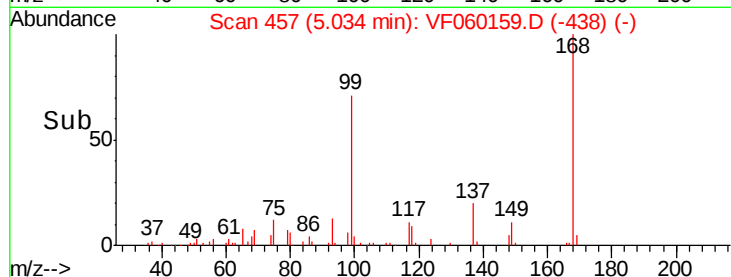
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060159.D

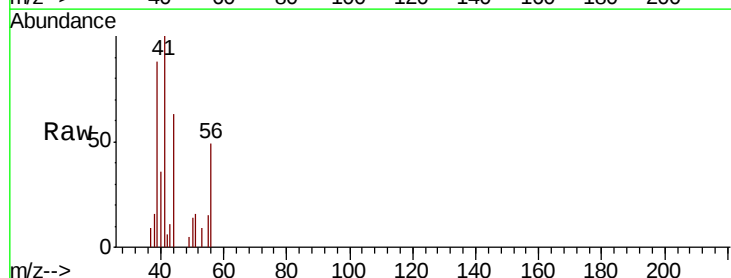
Acq: 28 Aug 2018 19:30

Tgt Ion: 50 Resp: 403

Ion Ratio Lower Upper

50 100

52 0.0 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

300

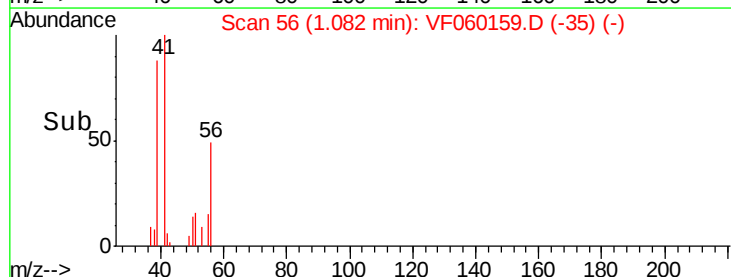
200

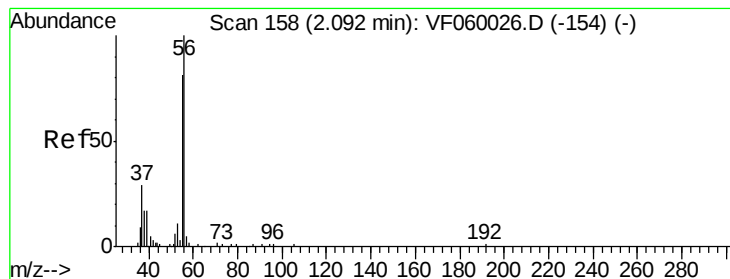
100

0

Time-->

1.05 1.10





#13

Acrolein

Concen: 27.81 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

Instrument :

MSVOA_F

ClientSampleId :

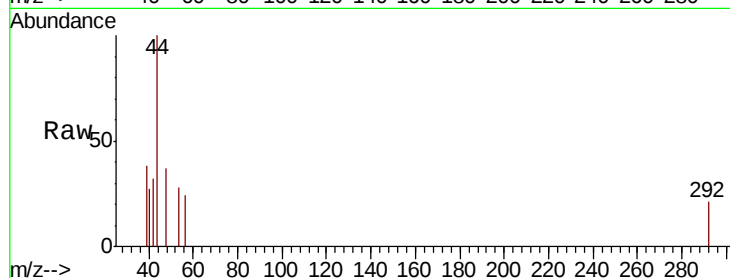
WASTE-CLASS-HOT-SPOT

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

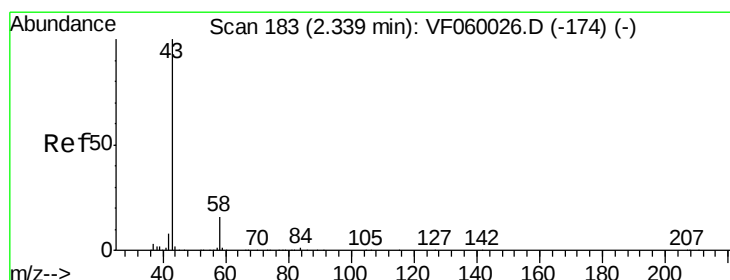
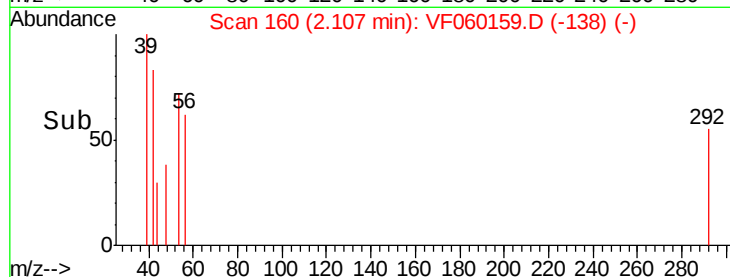
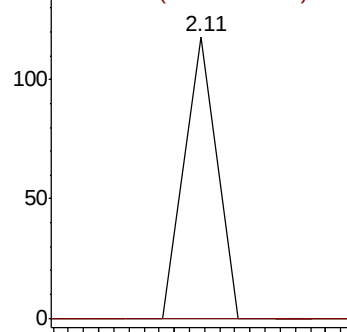
56 100

55 0.0 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 5.08 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060159.D

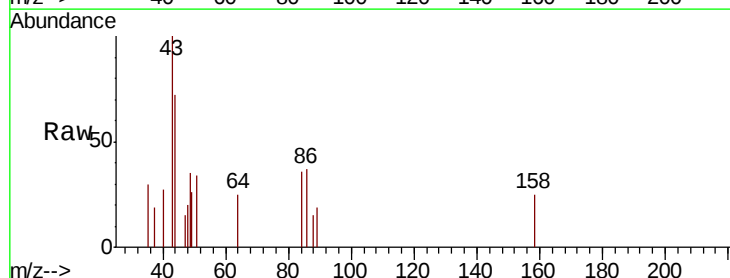
Acq: 28 Aug 2018 19:30

Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

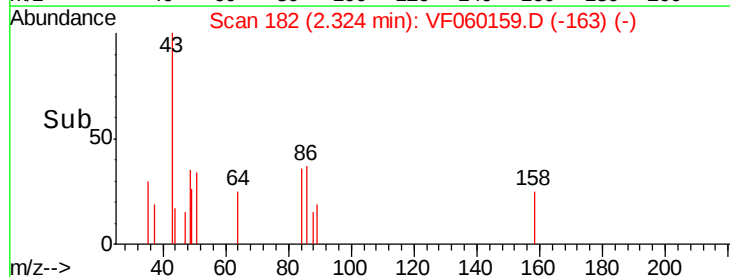
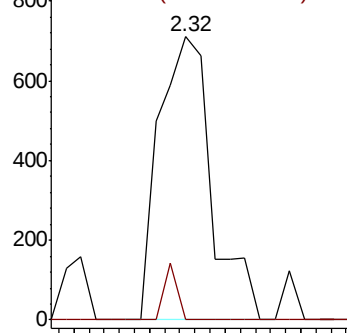
43 100

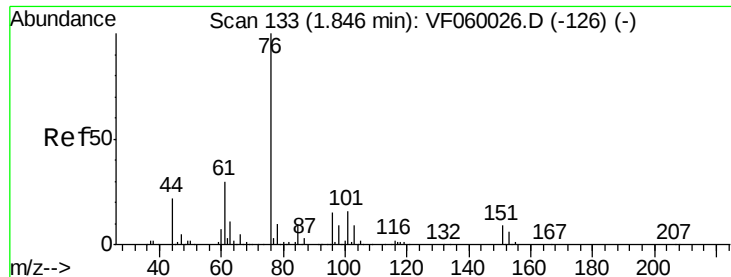
58 0.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

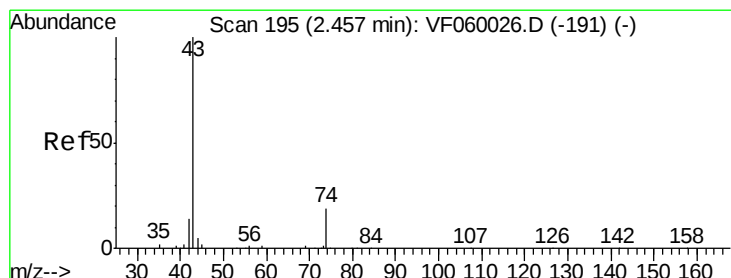
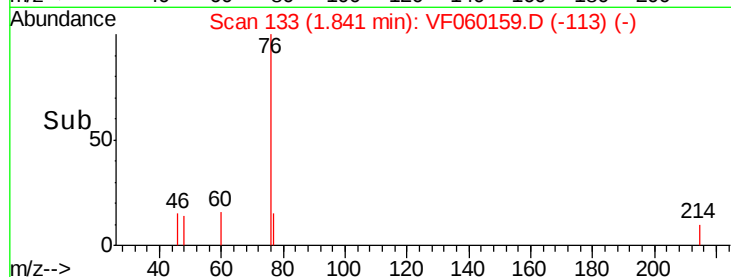
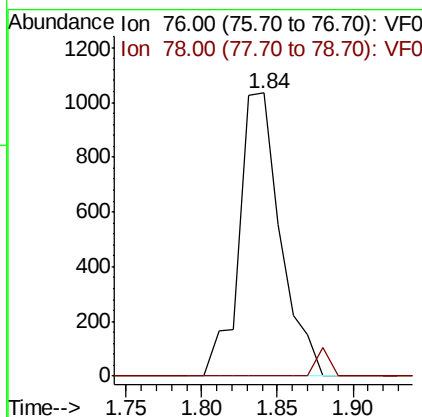
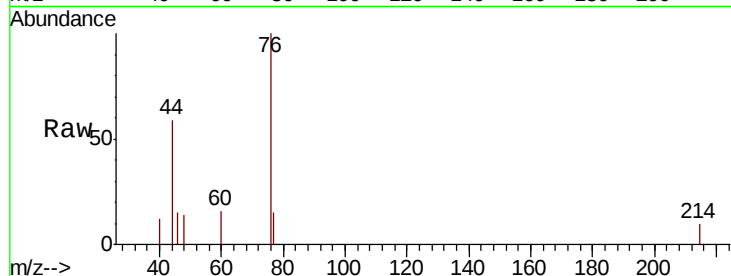




#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

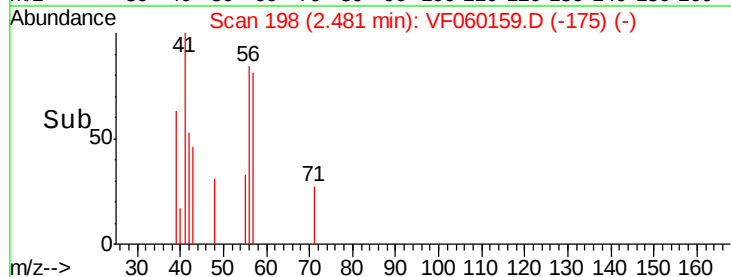
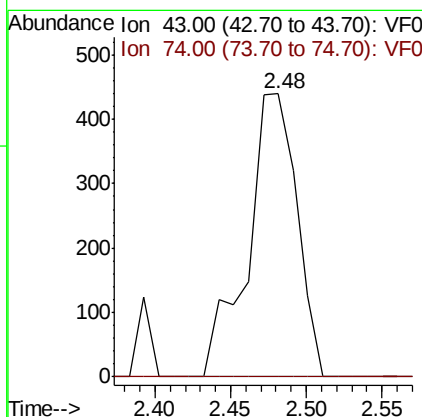
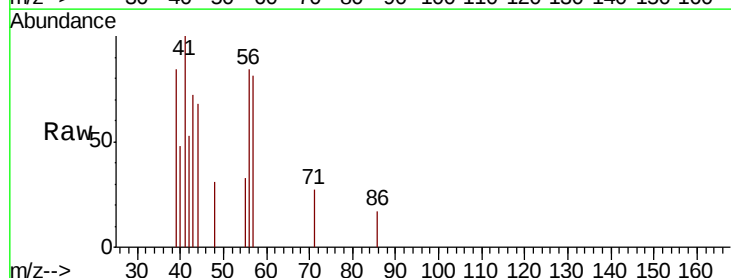
Instrument :
MSVOA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

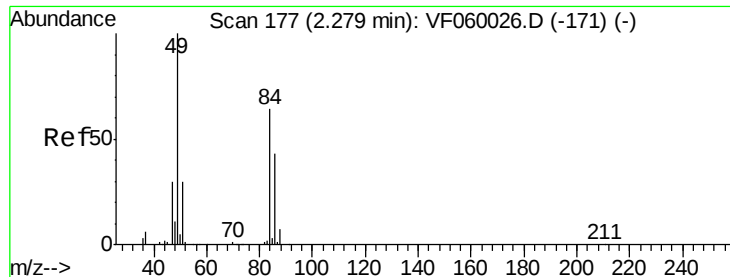
Tot Ion: 76 Resp: 1964
Ion Ratio Lower Upper
76 100
78 0.0 8.4 12.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#

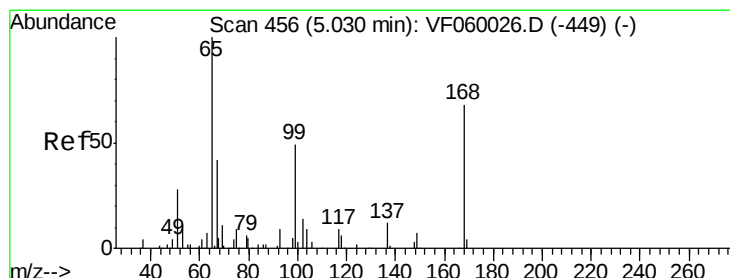
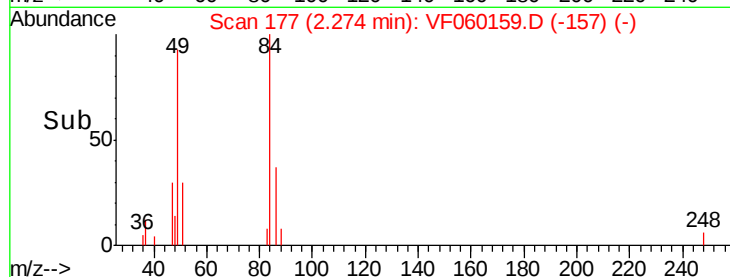
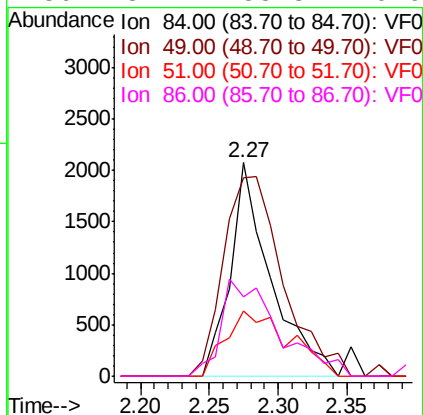
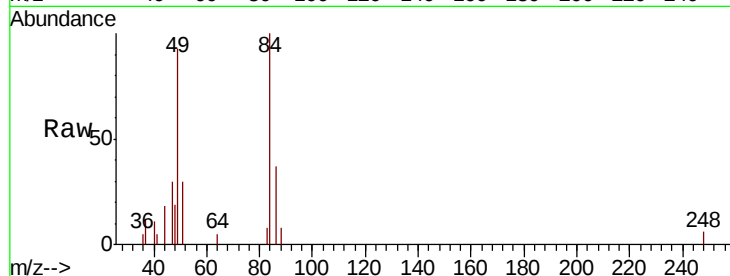




#20
Methvlene Chloride
Concen: 1.37 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

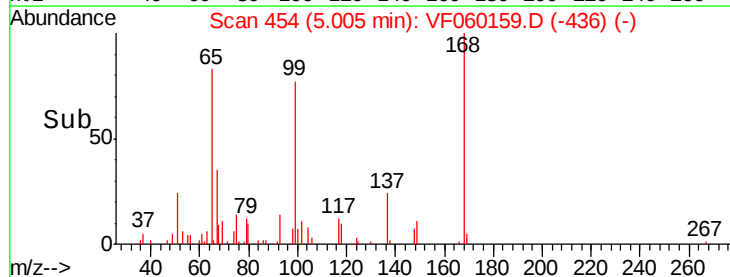
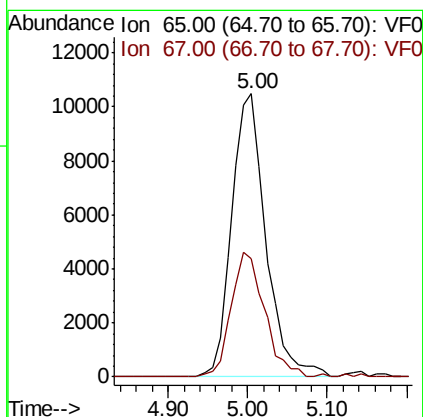
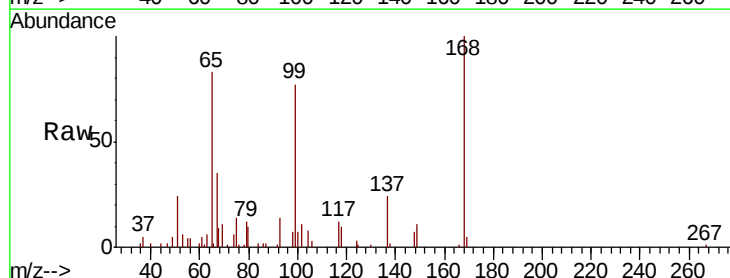
Instrument :
MSVOA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

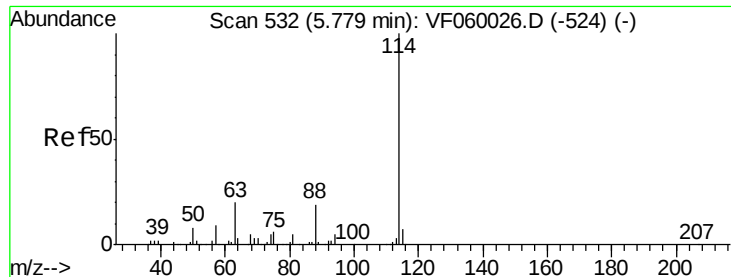
Tot Ion: 84 Resp: 4256
Ion Ratio Lower Upper
84 100
49 93.2 125.4 188.0#
51 30.3 38.3 57.5#
86 37.1 53.3 79.9#



#33
1,2-Dichloroethane-d4
Concen: 24.14 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.02 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Tgt Ion: 65 Resp: 31249
Ion Ratio Lower Upper
65 100
67 42.0 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

Instrument :

MSVOA_F

ClientSampleId :

WASTE-CLASS-HOT-SPOT

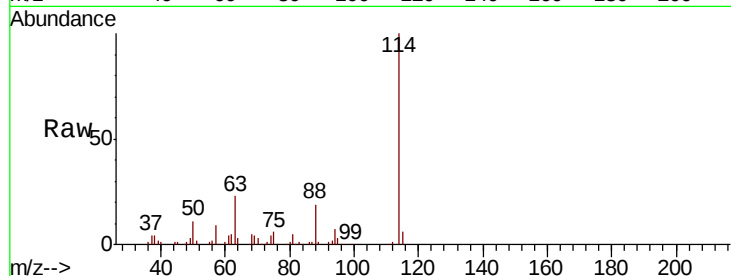
Tot Ion:114 Resp: 106695

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.4

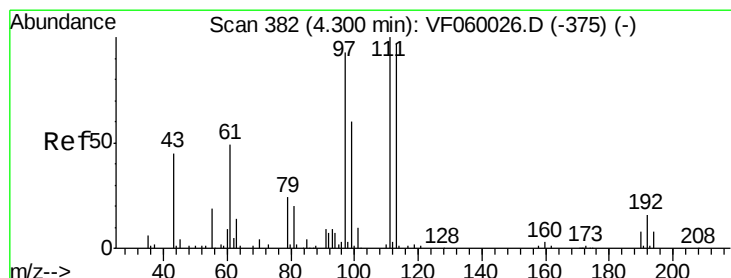
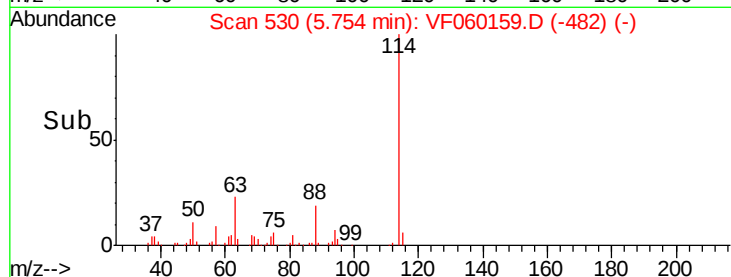
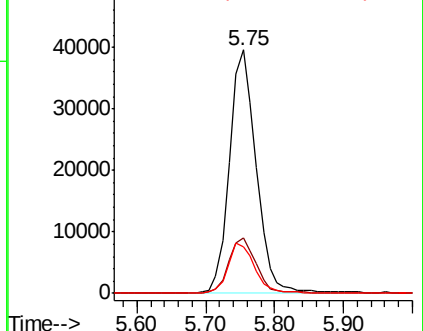
88 19.3 0.0 38.6



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: 42.80 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

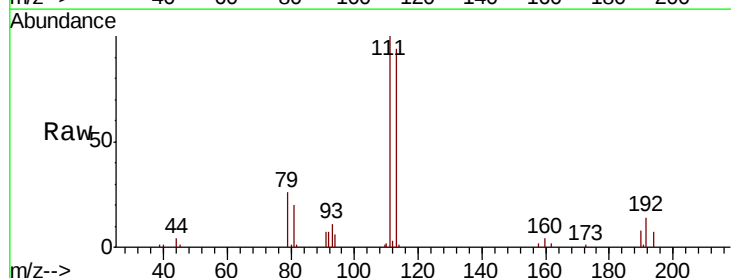
Tgt Ion:113 Resp: 35863

Ion Ratio Lower Upper

113 100

111 106.1 82.7 124.1

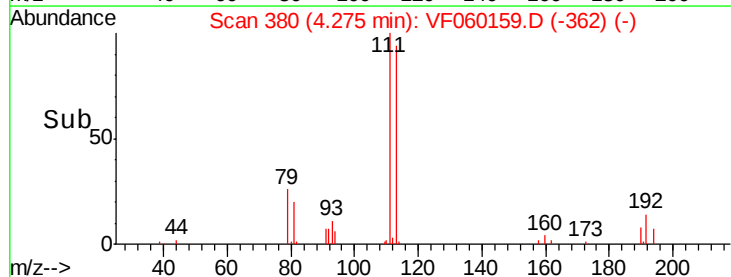
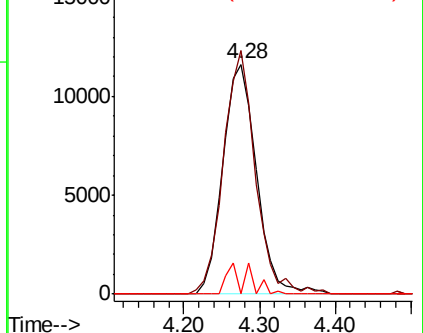
192 0.0 13.0 19.4#

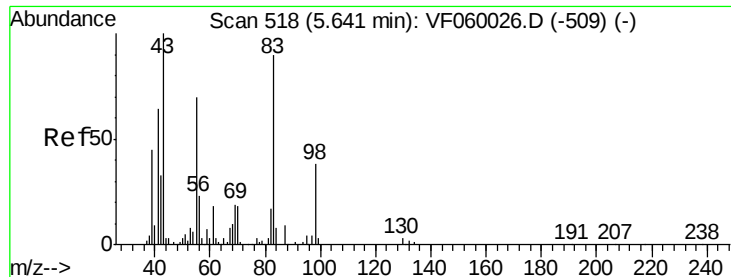


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

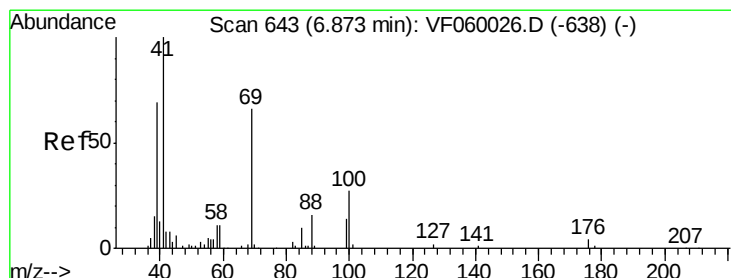
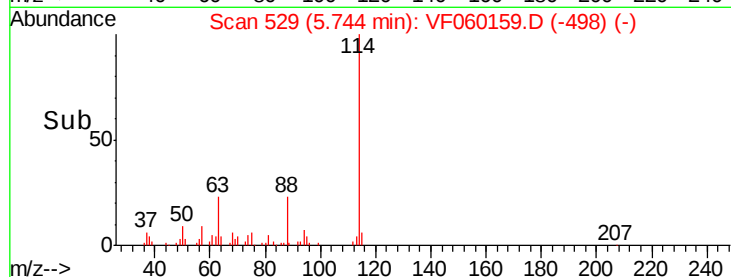
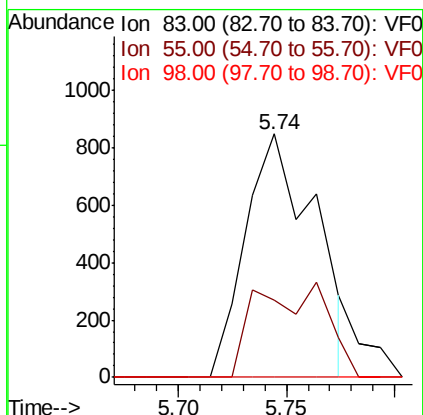
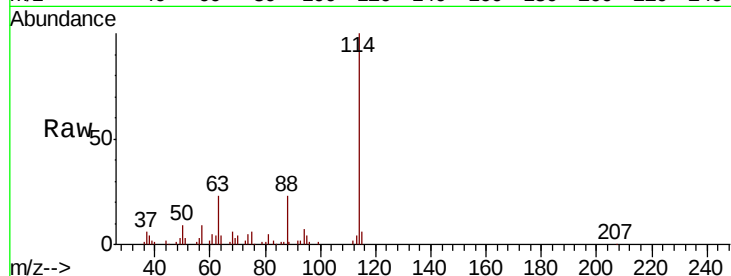




#39
Methylcyclohexane
Concen: 2.02 ug/l
RT: 5.74 min Scan# 529
Delta R.T. 0.10 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

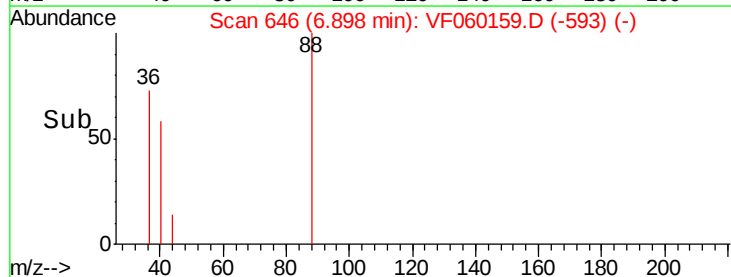
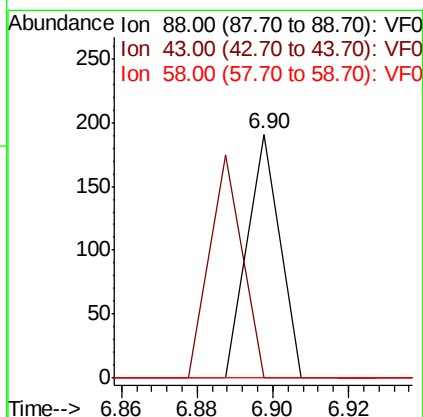
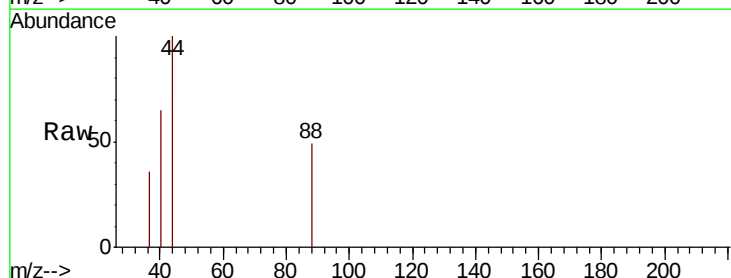
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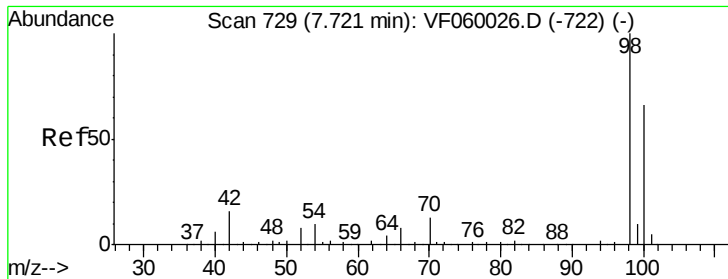
Tot Ion: 83 Resp: 1899
Ion Ratio Lower Upper
83 100
55 31.5 62.7 94.1#
98 0.0 33.8 50.8#



#49
1,4-Dioxane
Concen: 23.57 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 0.0 46.5 69.7#
58 0.0 54.8 82.2#

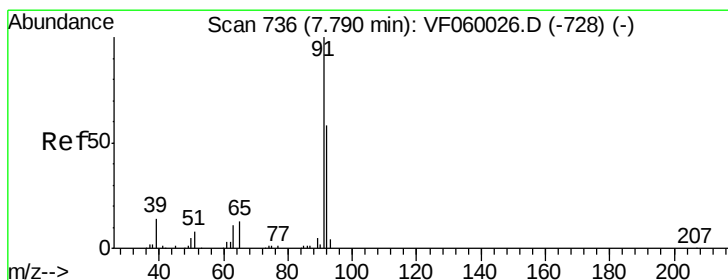
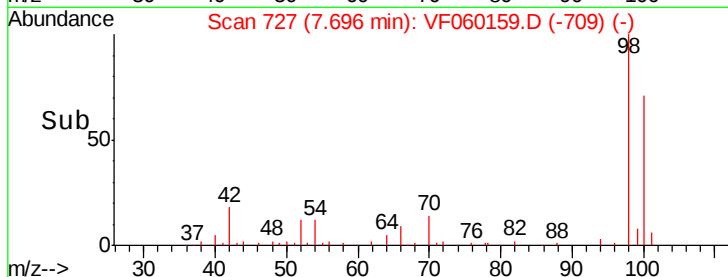
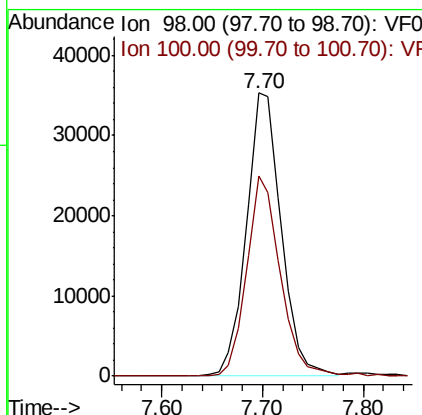
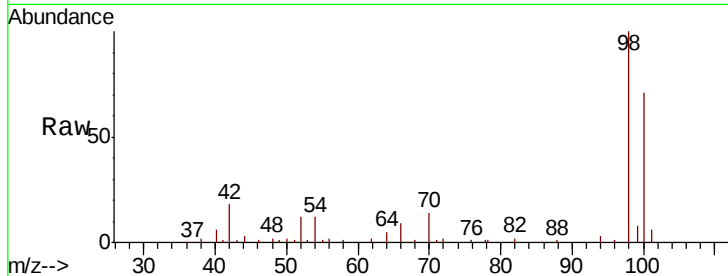




#50
Toluene-d8
Concen: 35.68 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

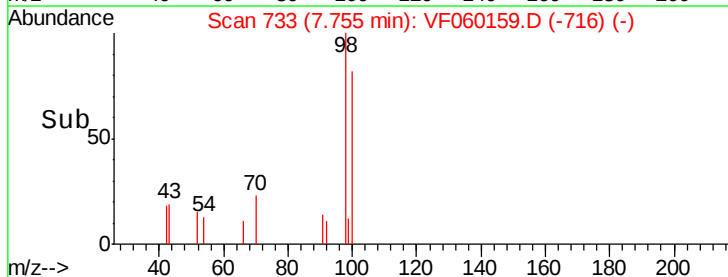
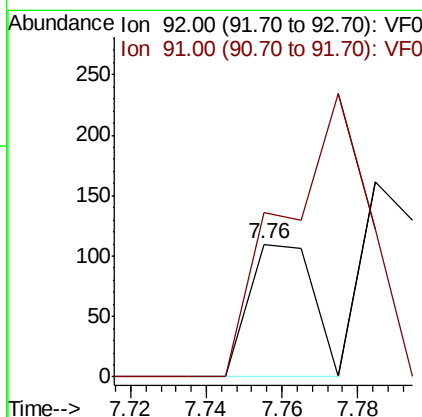
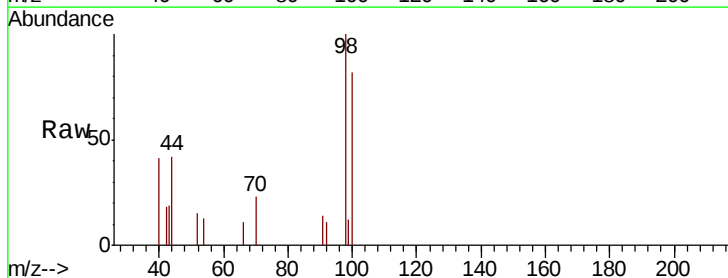
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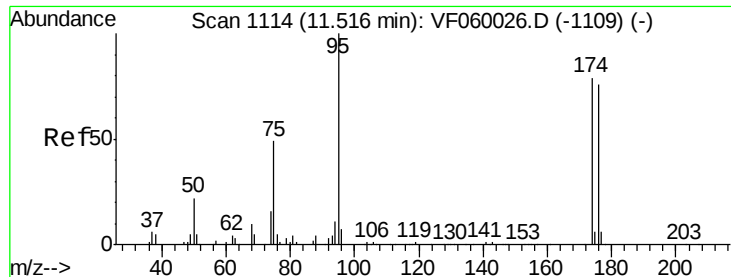
Tot Ion: 98 Resp: 84896
Ion Ratio Lower Upper
98 100
100 70.7 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.76 min Scan# 733
Delta R.T. -0.03 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Tgt Ion: 92 Resp: 128
Ion Ratio Lower Upper
92 100
91 123.6 137.7 206.5#





#62

4-Bromofluorobenzene

Concen: 19.12 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

Instrument :

MSVOA_F

ClientSampleId :

WASTE-CLASS-HOT-SPOT

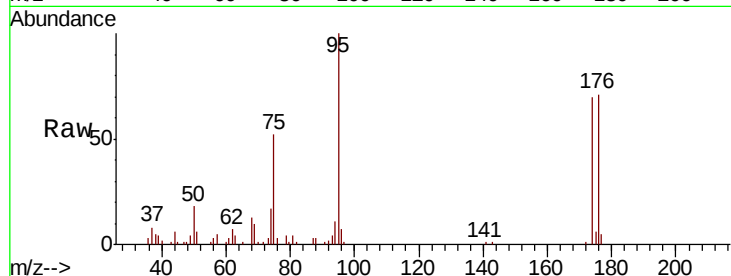
Tot Ion: 95 Resp: 24061

Ion Ratio Lower Upper

95 100

174 69.8 0.0 158.4

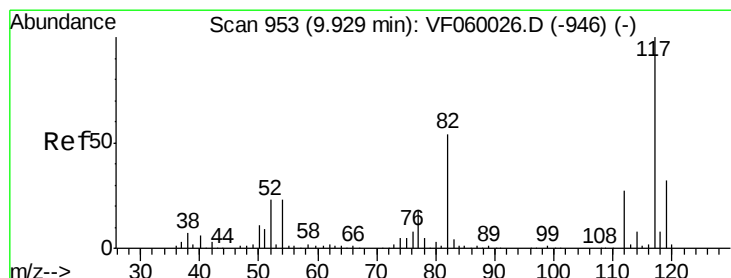
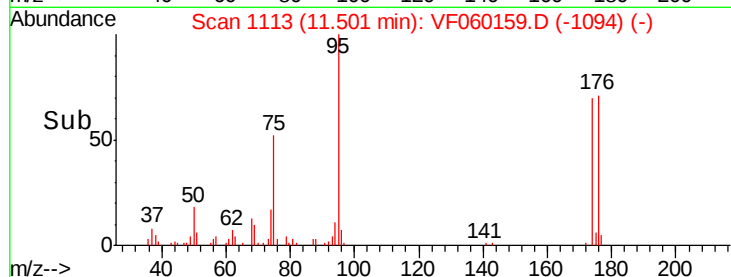
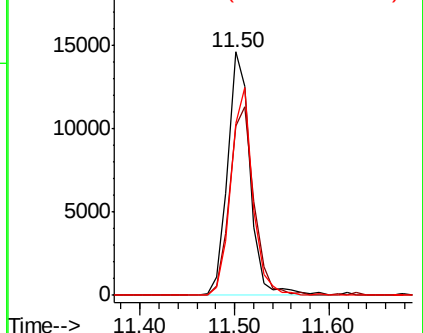
176 70.9 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

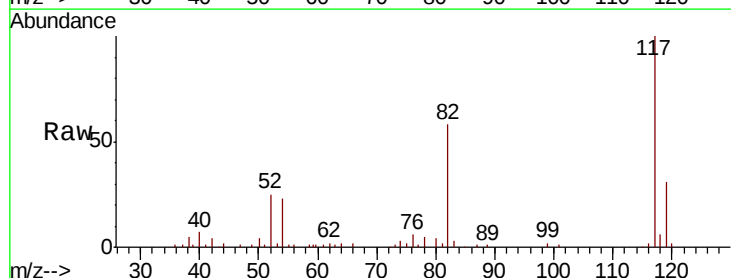
Tgt Ion: 117 Resp: 68820

Ion Ratio Lower Upper

117 100

82 58.1 43.6 65.4

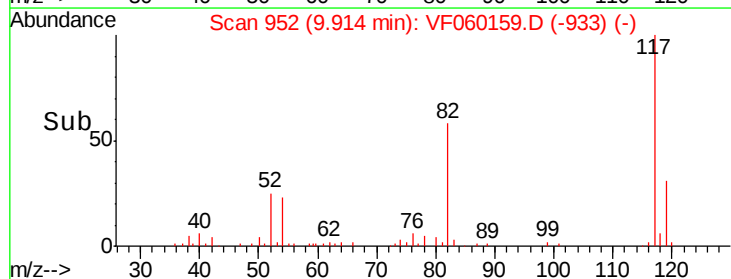
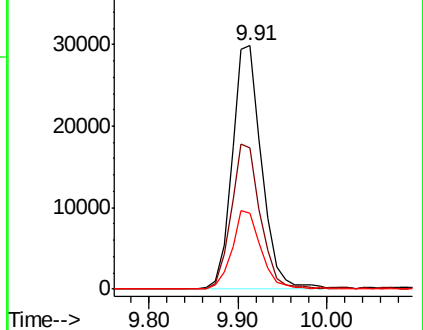
119 31.3 25.6 38.4

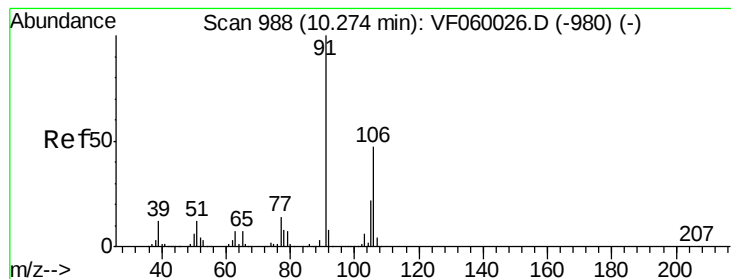


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xvlenes

Concen: Below Cal

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

Instrument :

MSVOA_F

ClientSampleId :

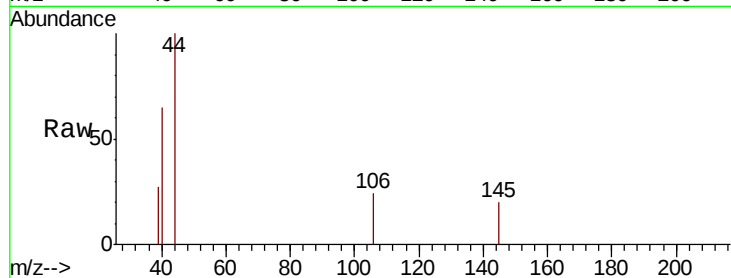
WASTE-CLASS-HOT-SPOT

Tot Ion:106 Resp: 202

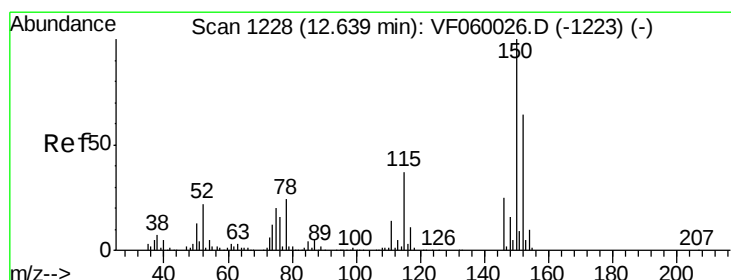
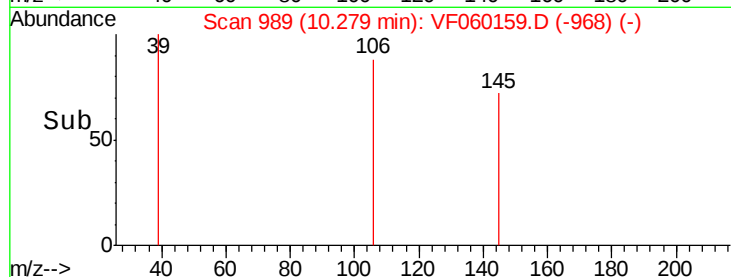
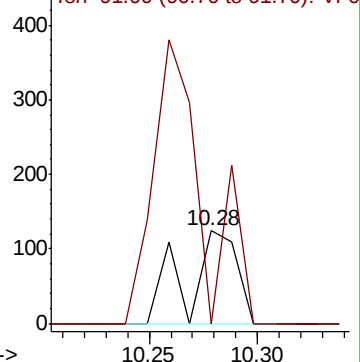
Ion Ratio Lower Upper

106 100

91 0.0 171.8 257.8#



Abundance Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060159.D

Acq: 28 Aug 2018 19:30

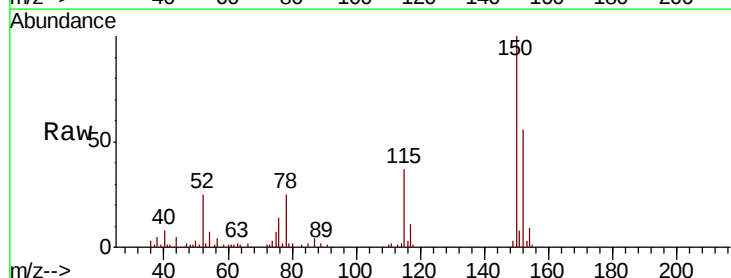
Tgt Ion:152 Resp: 21129

Ion Ratio Lower Upper

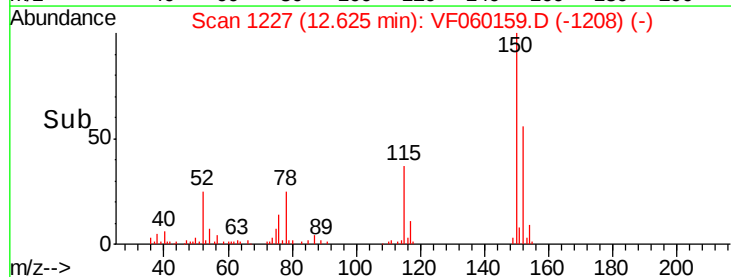
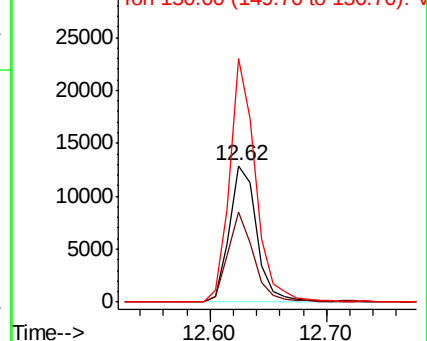
152 100

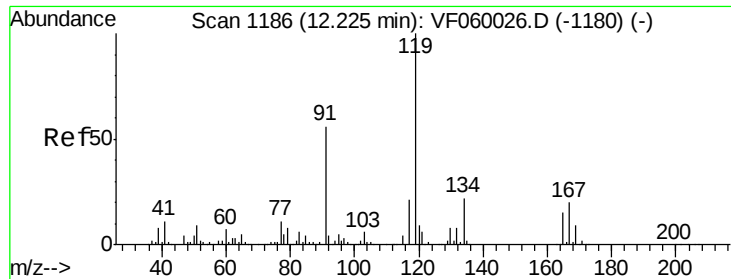
115 66.1 28.6 85.9

150 178.2 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V

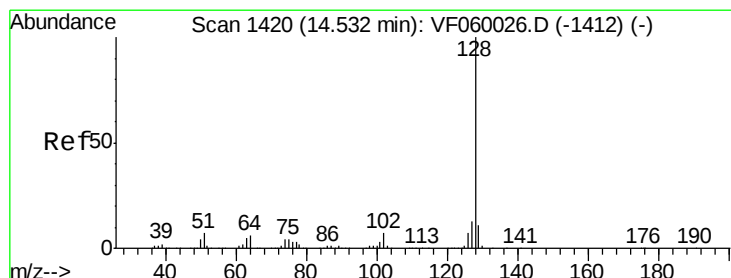
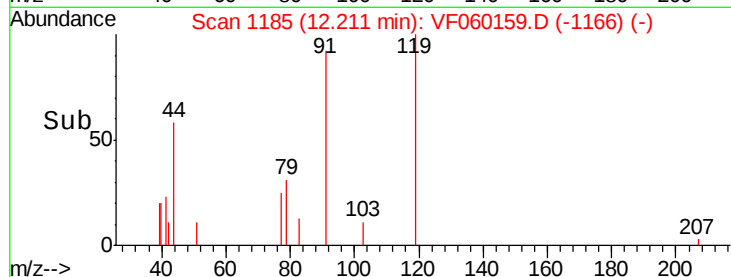
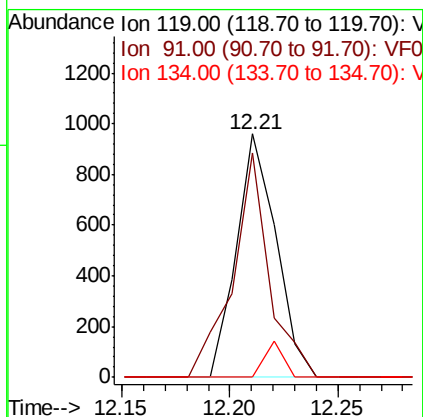
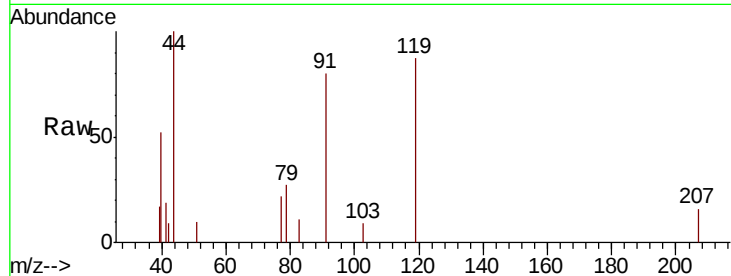




#83
tert-Butylbenzene
Concen: 1.14 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Instrument :
MSVOA_F
ClientSampleId :
WASTE-CLASS-HOT-SPOT

Tot Ion:119 Resp: 1233
Ion Ratio Lower Upper
119 100
91 92.2 28.1 84.3#
134 0.0 11.1 33.3#



#95
Naphthalene
Concen: 2.84 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060159.D
Acq: 28 Aug 2018 19:30

Tgt Ion:128 Resp: 460
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.5 12.7#

