

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060186.D
 Acq On : 29 Aug 2018 10:08
 Operator : VA/AP
 Sample : J4280-01RE
 Misc : 5.89g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 29 10:54:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	111663	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	140279	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	136504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	59819	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	49865	71.50	ug/l	0.00
Spiked Amount			Recovery	=	143.00%	
35) Dibromofluoromethane	4.28	113	53497	59.28	ug/l	0.01
Spiked Amount			Recovery	=	118.56%	
50) Toluene-d8	7.70	98	150795	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.51	95	63706	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	

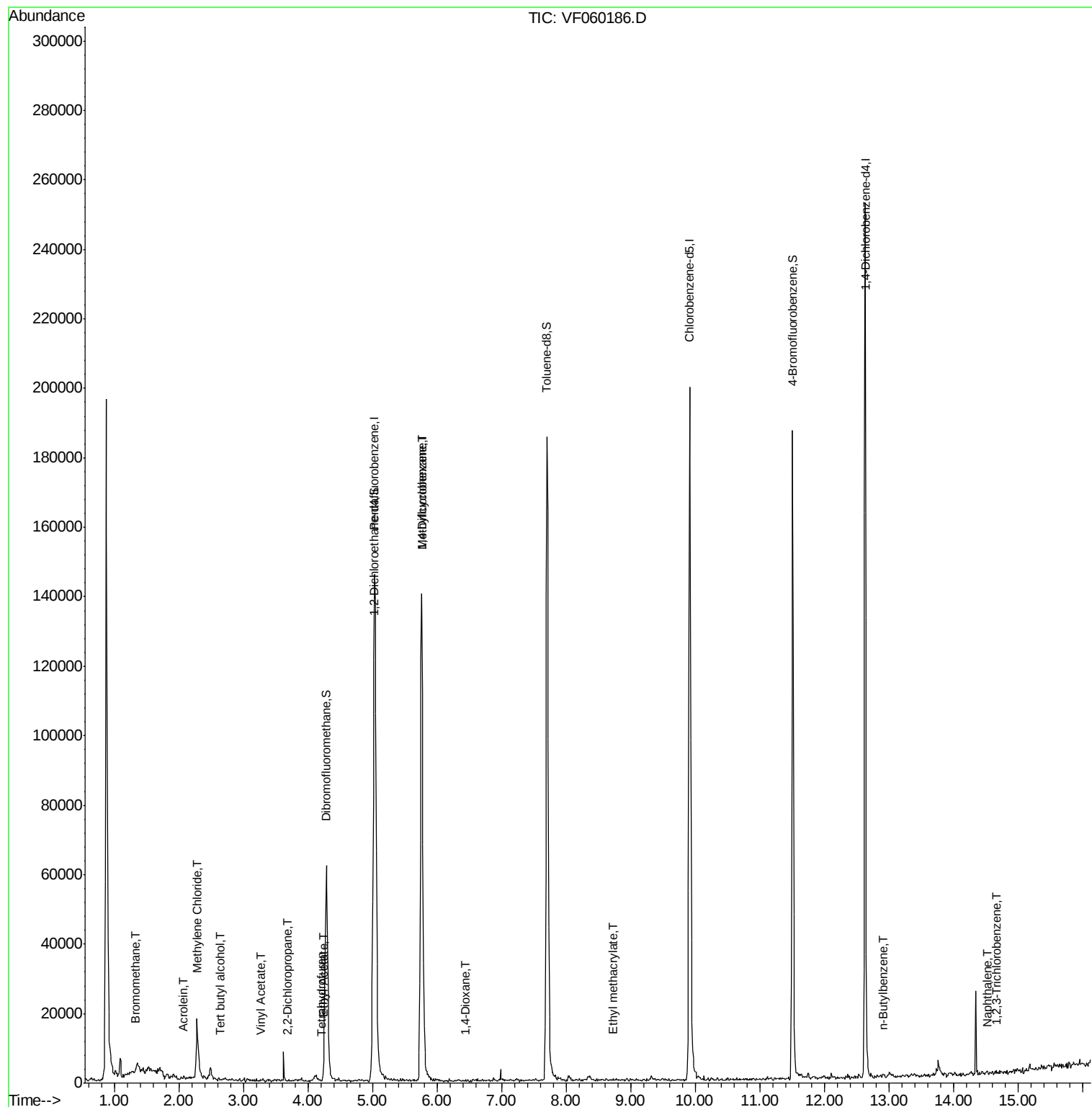
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.32	94	506	1.179	ug/l	95
11) Tert butyl alcohol	2.64	59	81	40.347	ug/l #	64
13) Acrolein	2.08	56	73	4.951	ug/l #	22
16) Acetone	2.33	43	383	Below Cal	#	67
18) Methyl Acetate	2.43	43	213	Below Cal	#	67
20) Methylene Chloride	2.28	84	8053	11.956	ug/l	94
23) Vinyl Acetate	3.25	43	76	26.641	ug/l #	82
26) 2,2-Dichloropropane	3.67	77	98	4.004	ug/l #	66
29) Tetrahydrofuran	4.21	42	62	14.695	ug/l #	42
37) Ethyl Acetate	4.23	43	76	4.263	ug/l #	1
39) Methylcyclohexane	5.76	83	2130	1.136	ug/l #	39
48) Methyl methacrylate	6.84	41	89	Below Cal	#	20
49) 1,4-Dioxane	6.44	88	67	129.720	ug/l #	19
56) Ethyl methacrylate	8.73	69	67	4.655	ug/l #	67
89) n-Butylbenzene	12.90	91	269	3.680	ug/l #	33
95) Naphthalene	14.52	128	426	8.342	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.66	180	195	5.641	ug/l #	7

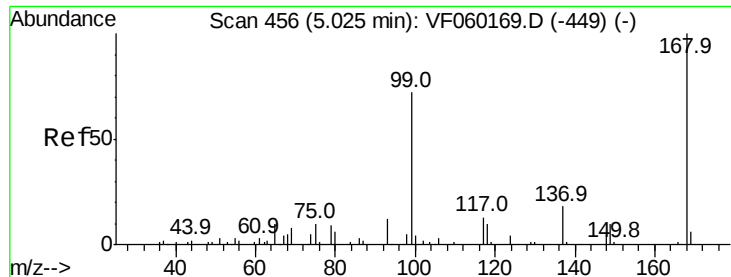
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

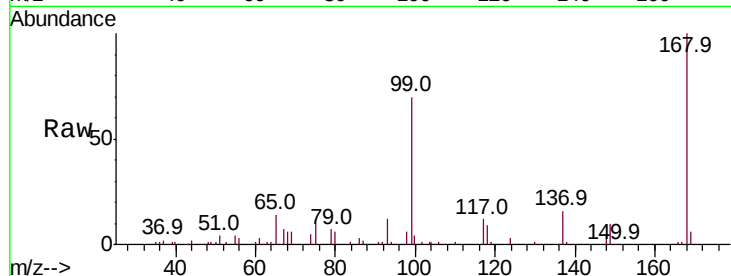
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 111663

Ion Ratio Lower Upper

168 100

99 70.4 57.9 86.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

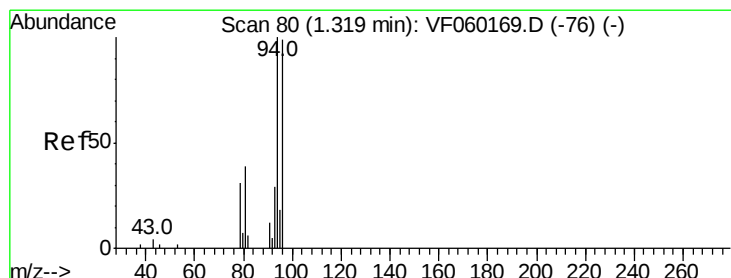
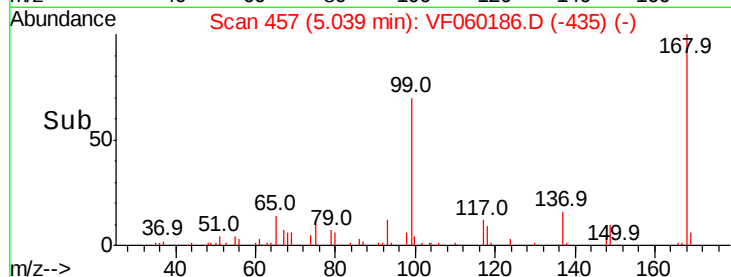
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: 1.179 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060186.D

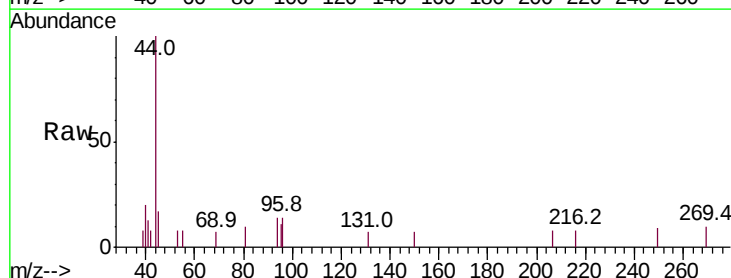
Acq: 29 Aug 2018 10:08

Tgt Ion: 94 Resp: 506

Ion Ratio Lower Upper

94 100

96 103.8 79.0 118.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

300

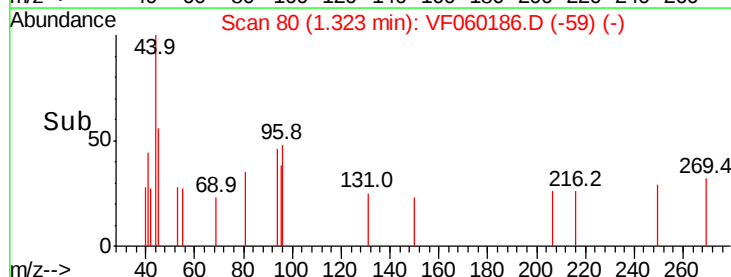
200

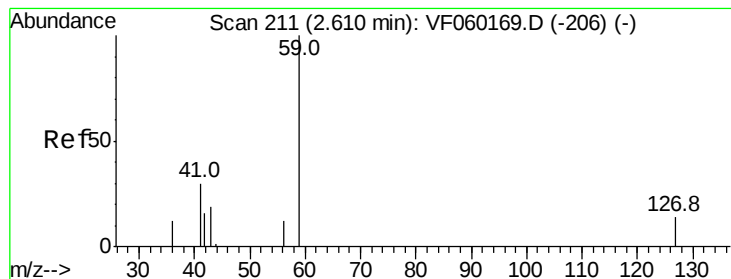
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#11

Tert butyl alcohol

Concen: 40.347 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.03 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

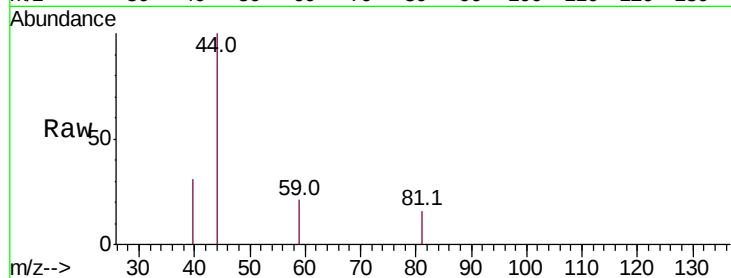
ClientSampled :

Tot Ion: 59 Resp: 81

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.64

150

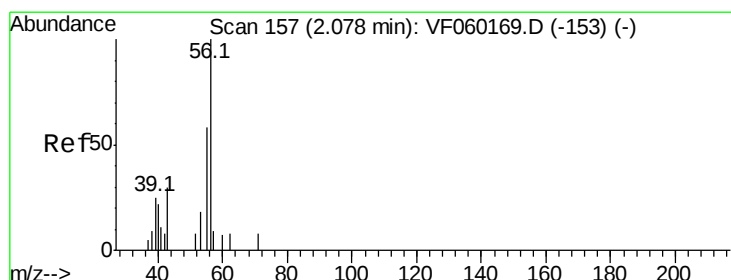
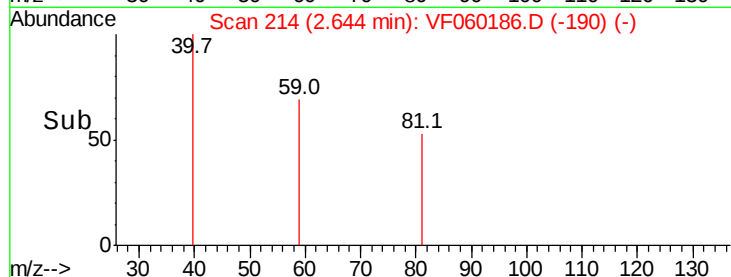
100

50

0

2.62 2.64 2.66

Time-->



#13

Acrolein

Concen: 4.951 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060186.D

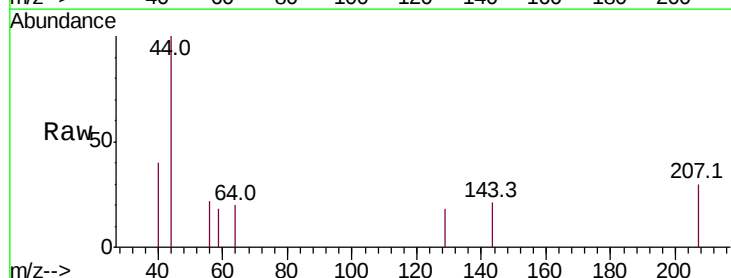
Acq: 29 Aug 2018 10:08

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 46.4 69.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.08

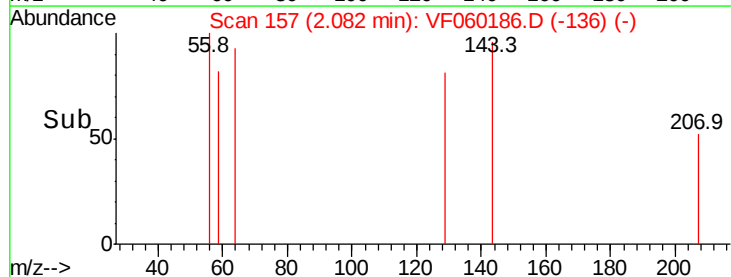
100

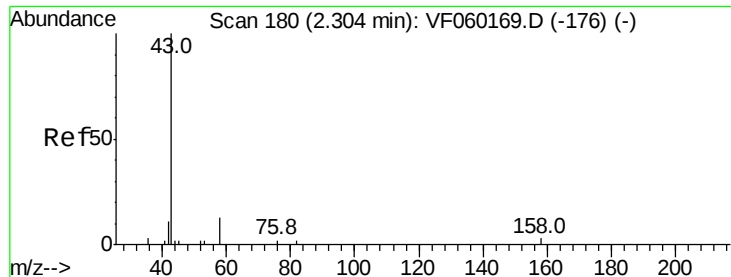
50

0

2.06 2.08 2.10

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 182

Delta R.T. 0.02 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

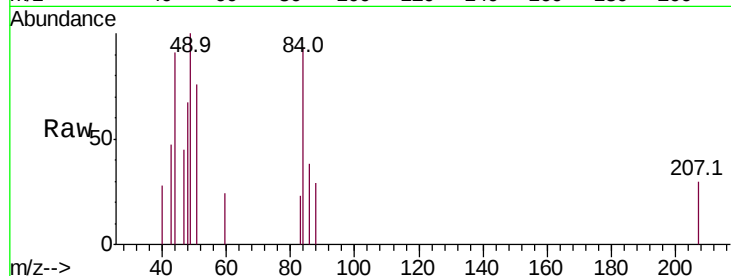
ClientSampleId :

Tot Ion: 43 Resp: 383

Ion Ratio Lower Upper

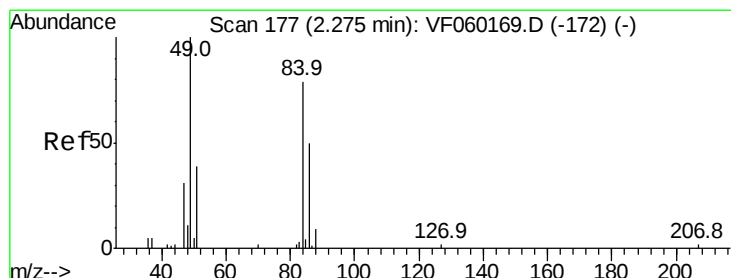
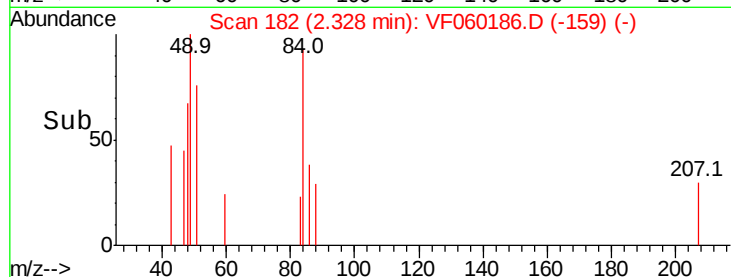
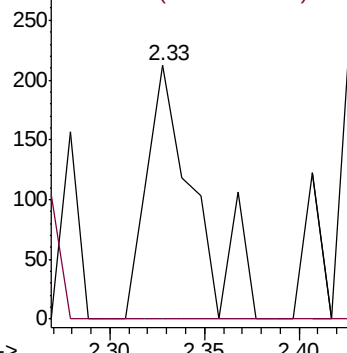
43 100

58 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#20

Methylene Chloride

Concen: 11.956 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Tgt Ion: 84 Resp: 8053

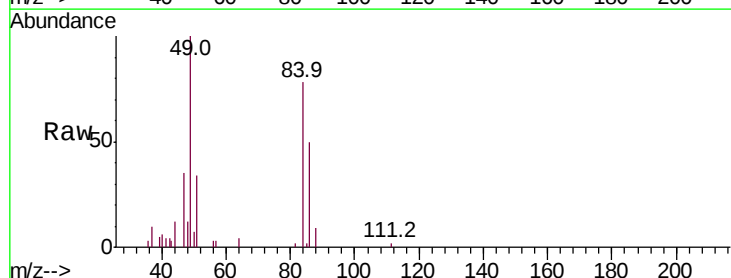
Ion Ratio Lower Upper

84 100

49 128.7 97.0 145.4

51 43.8 38.2 57.2

86 63.8 48.3 72.5

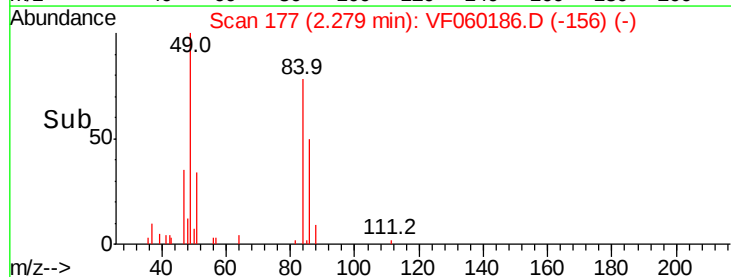
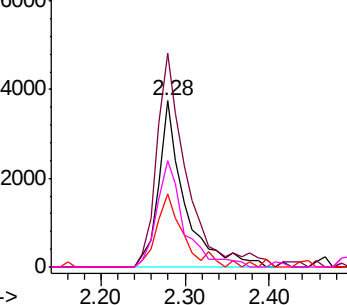


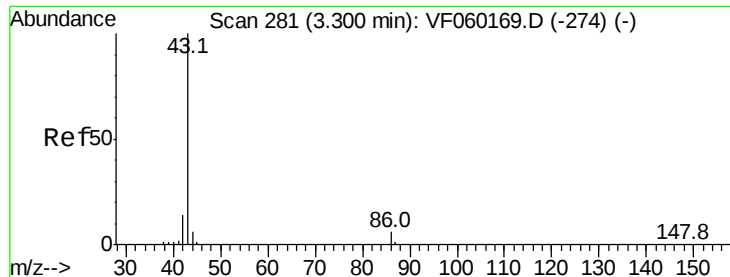
Abundance Ion 84.00 (83.70 to 84.70): VF0

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





#23

Vinyl Acetate

Concen: 26.641 ug/l

RT: 3.25 min Scan# 276

Delta R.T. -0.04 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

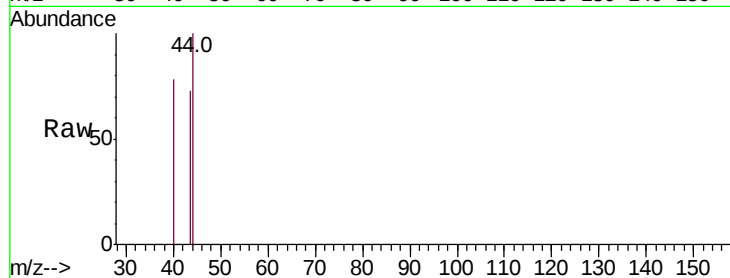
ClientSampled :

Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

86 0.0 4.9 7.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150

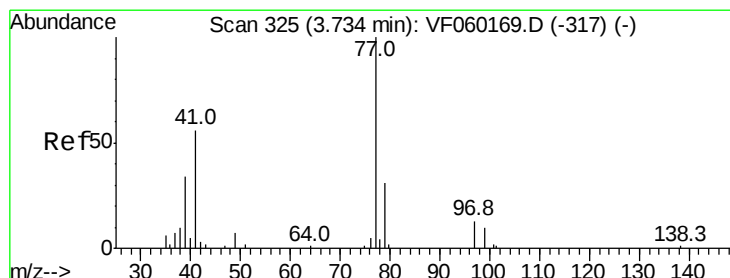
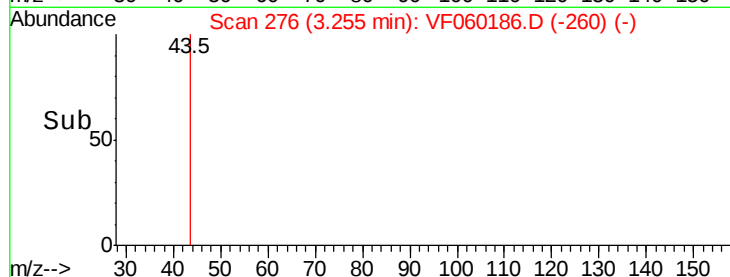
3.25

100

50

0

Time-->



#26

2,2-Dichloropropane

Concen: 4.004 ug/l

RT: 3.67 min Scan# 318

Delta R.T. -0.06 min

Lab File: VF060186.D

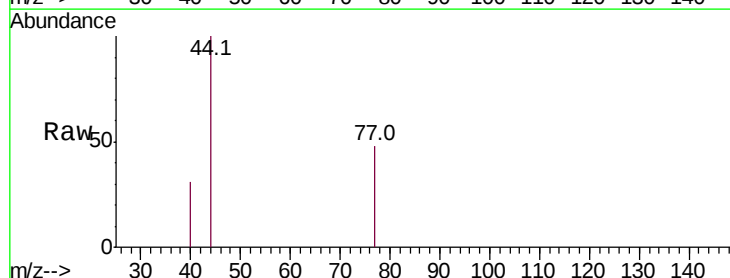
Acq: 29 Aug 2018 10:08

Tgt Ion: 77 Resp: 98

Ion Ratio Lower Upper

77 100

97 0.0 7.0 21.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

150

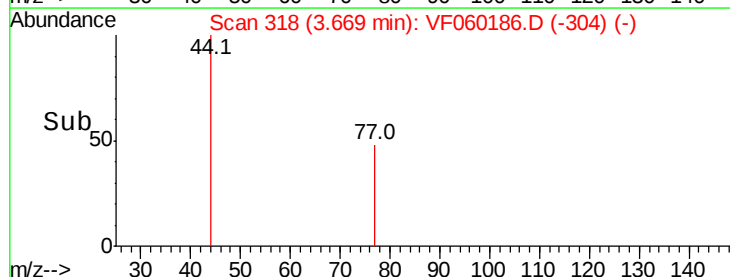
3.67

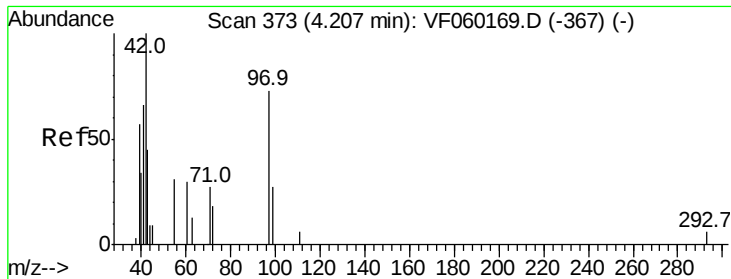
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 14.695 ug/l

RT: 4.21 min Scan# 373

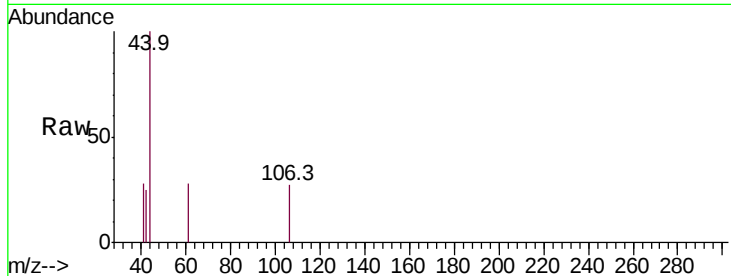
Delta R.T. 0.00 min

Lab File: VF060186.D

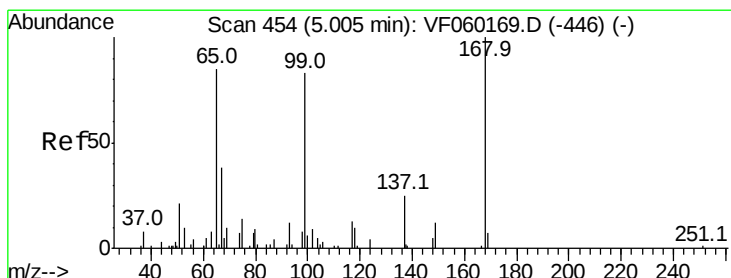
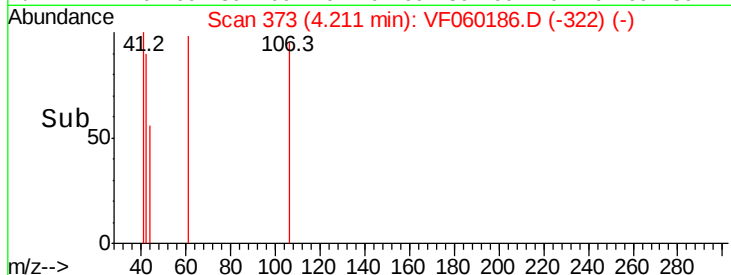
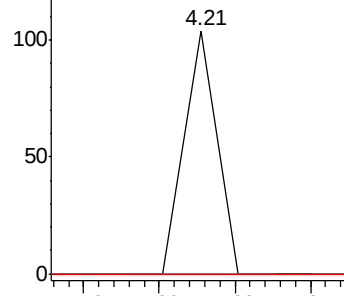
Acq: 29 Aug 2018 10:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	62
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.4#
71	0.0	24.6	36.8#



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: 71.502 ug/l

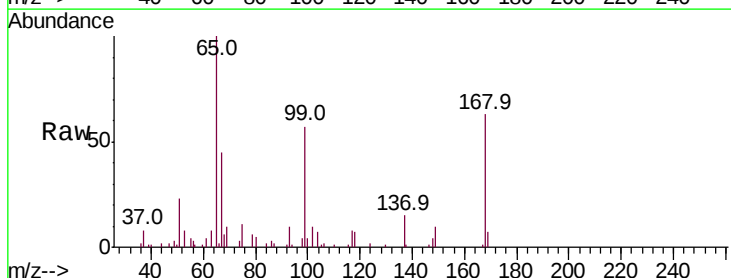
RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

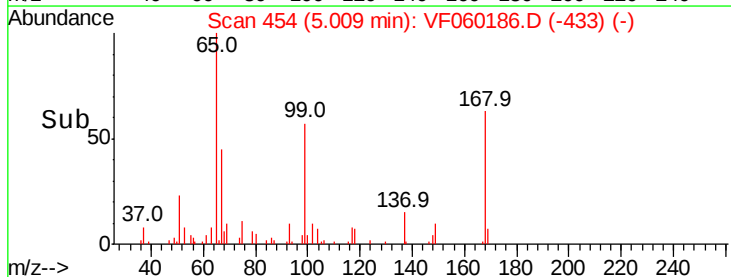
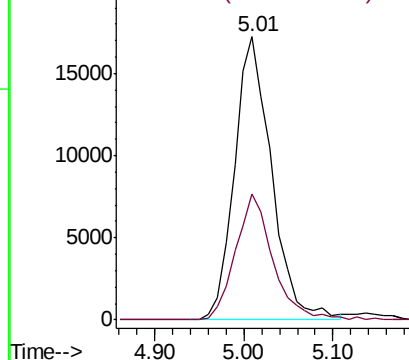
Lab File: VF060186.D

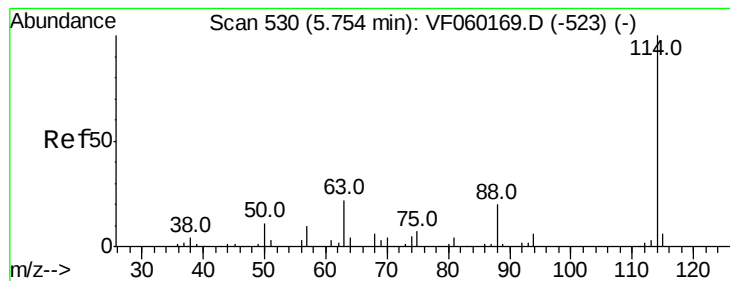
Acq: 29 Aug 2018 10:08

Tgt Ion:	65	Resp:	49865
Ion	Ratio	Lower	Upper
65	100		
67	44.6	0.0	92.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
20000 Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

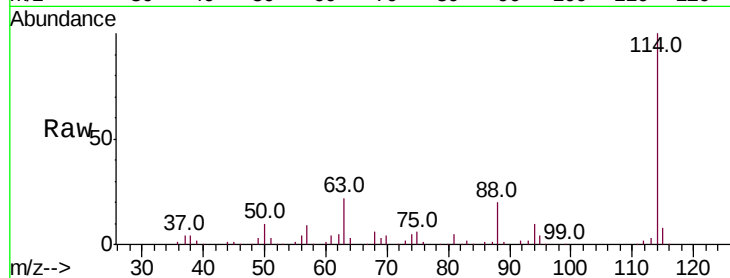
Tot Ion:114 Resp: 140279

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.8

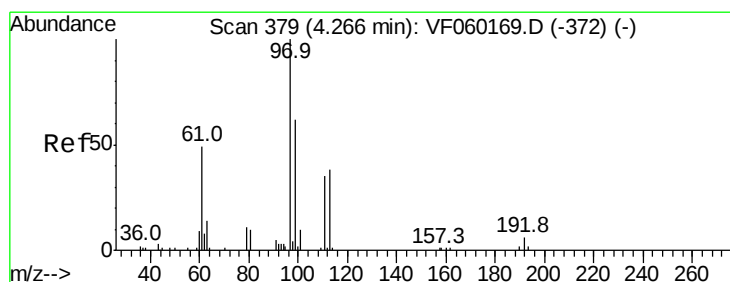
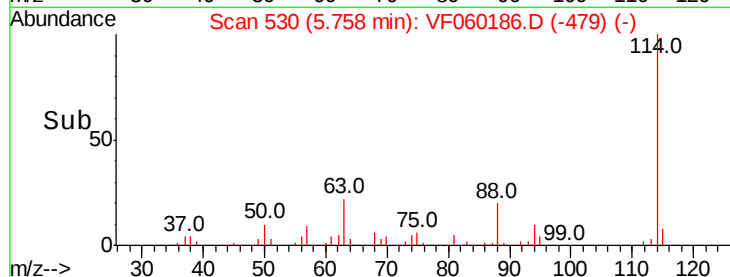
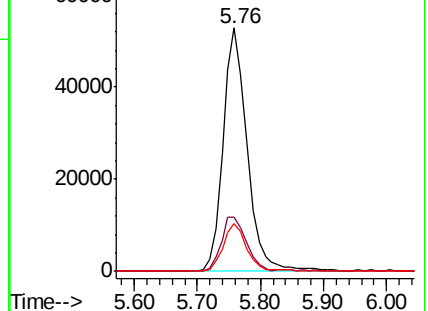
88 19.6 0.0 40.2



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: 59.281 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

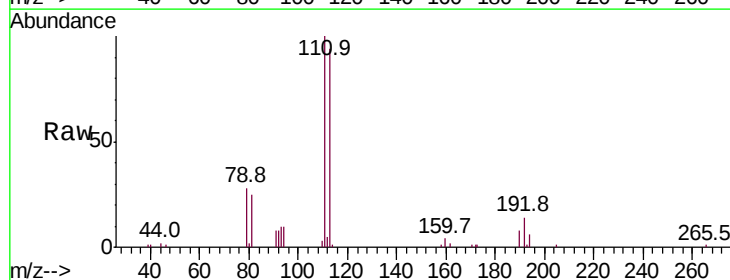
Tgt Ion:113 Resp: 53497

Ion Ratio Lower Upper

113 100

111 106.8 75.5 113.3

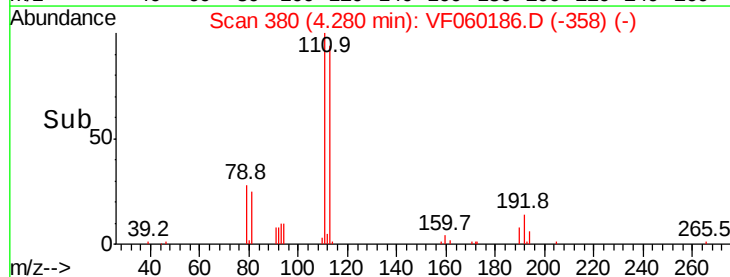
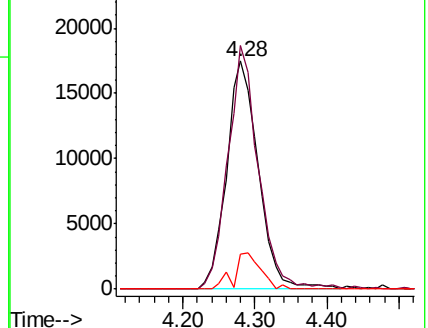
192 15.2 12.5 18.7

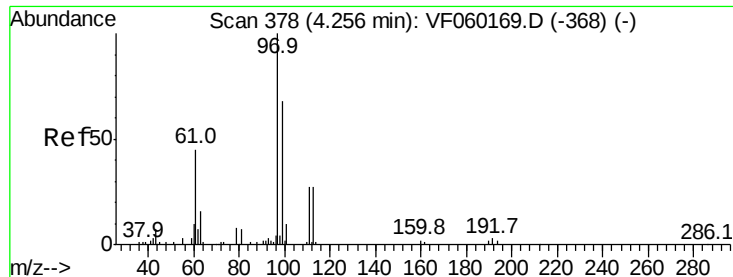


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 4.263 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

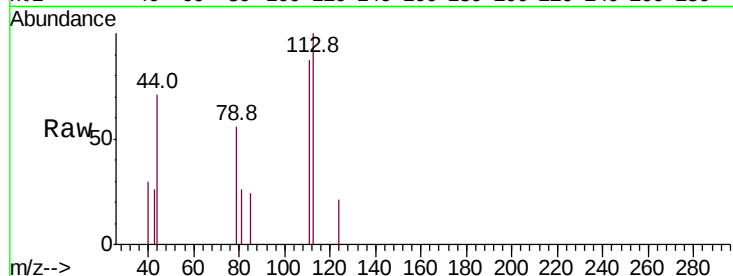
Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

61 0.0 517.6 776.4#

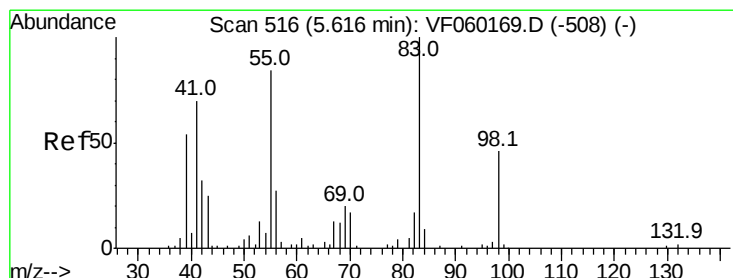
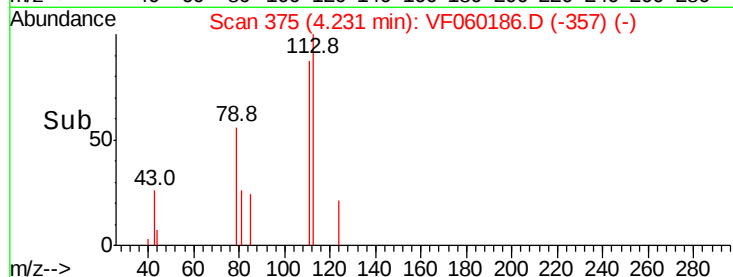
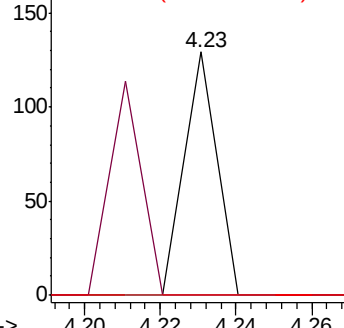
70 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#39

Methylcyclohexane

Concen: 1.136 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.14 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

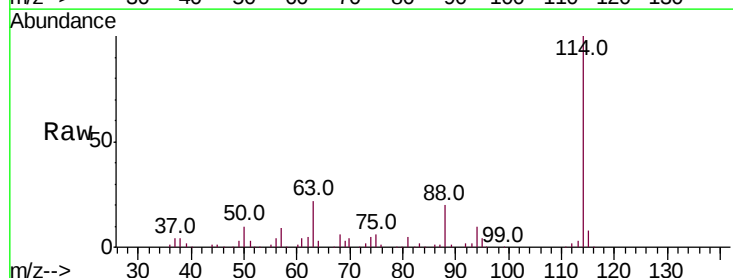
Tgt Ion: 83 Resp: 2130

Ion Ratio Lower Upper

83 100

55 32.7 67.4 101.2#

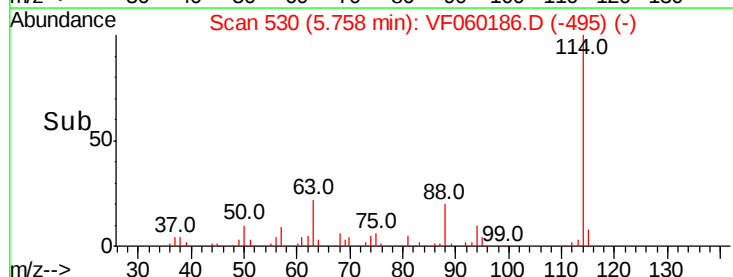
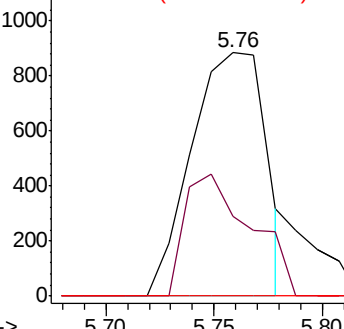
98 0.0 37.0 55.6#

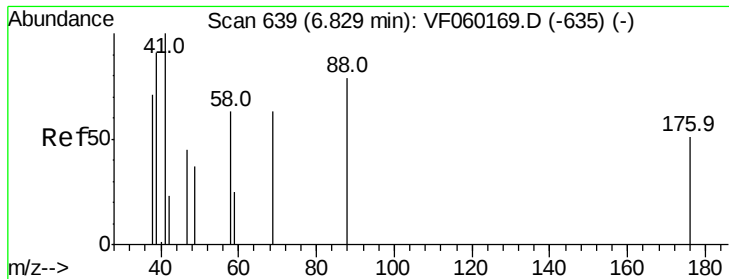


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 129.720 ug/l

RT: 6.44 min Scan# 599

Delta R.T. -0.39 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :
MSVOA_F
ClientSampled :

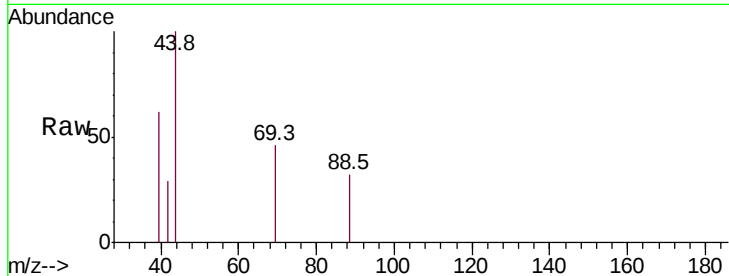
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 24.5 36.7#

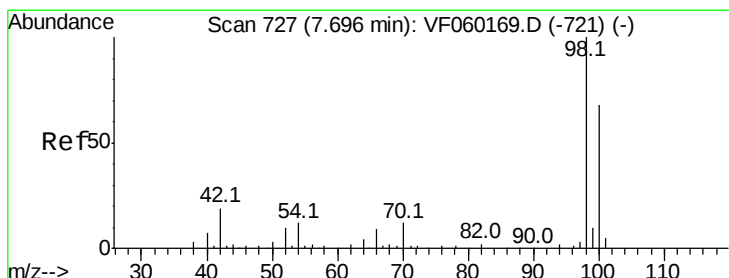
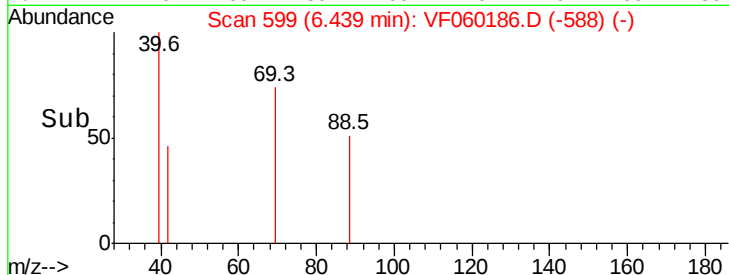
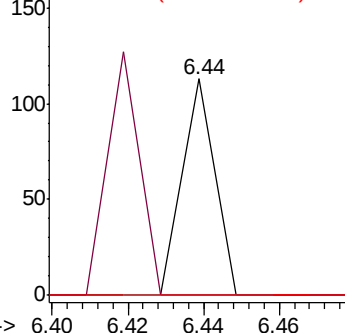
58 0.0 63.8 95.8#



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: 48.847 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF060186.D

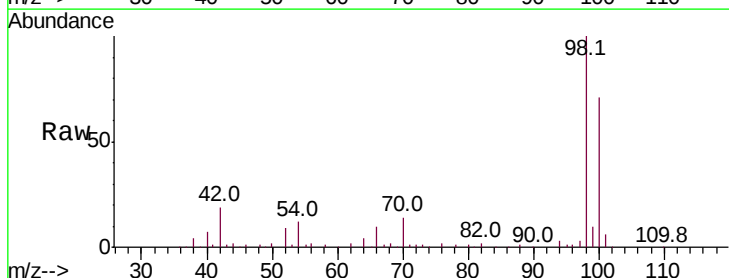
Acq: 29 Aug 2018 10:08

Tgt Ion: 98 Resp: 150795

Ion Ratio Lower Upper

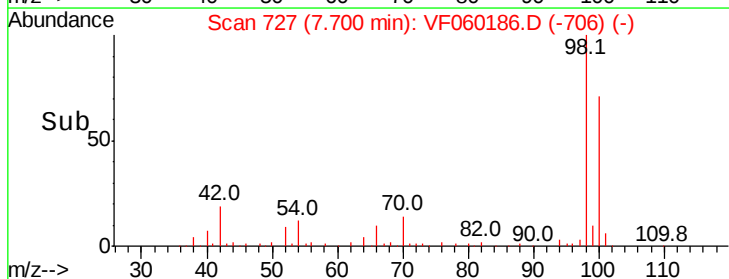
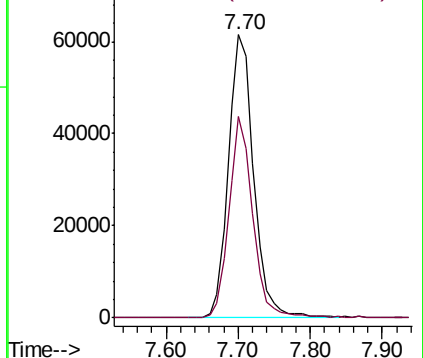
98 100

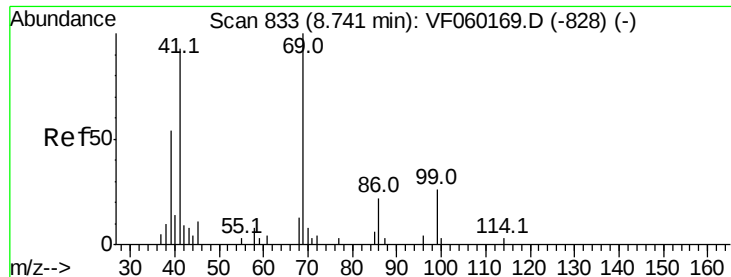
100 71.0 54.5 81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

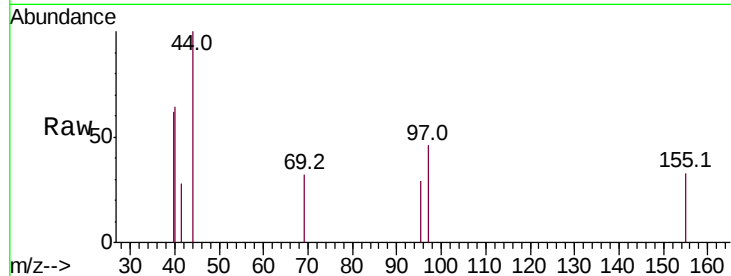




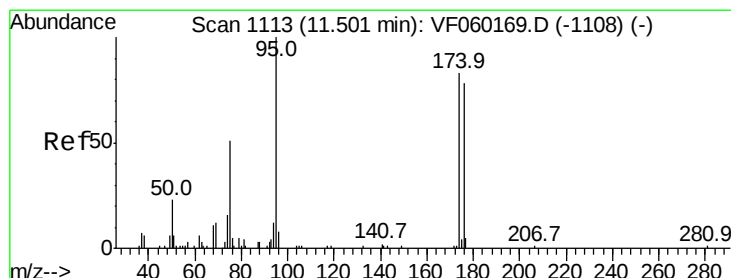
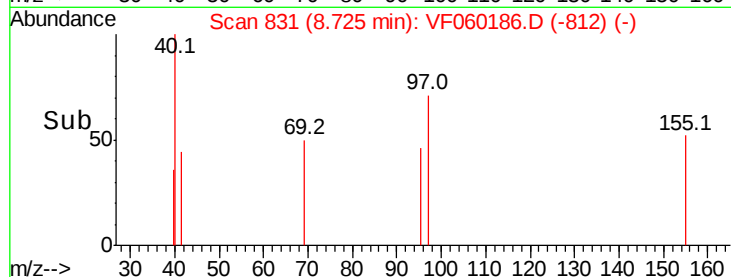
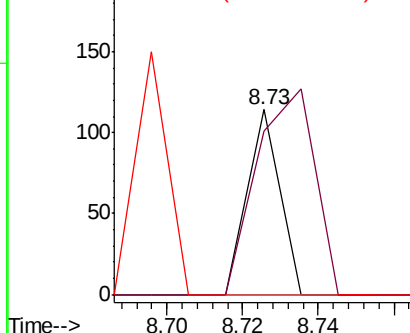
#56
Ethyl methacrylate
Concen: 4.655 ug/l
RT: 8.73 min Scan# 831
Delta R.T. -0.02 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 88.6 74.6 111.8
39 0.0 46.2 69.4#

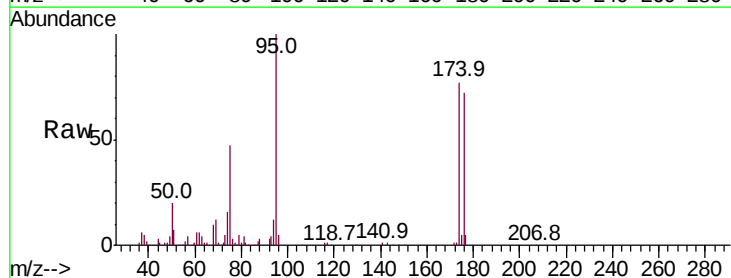


Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

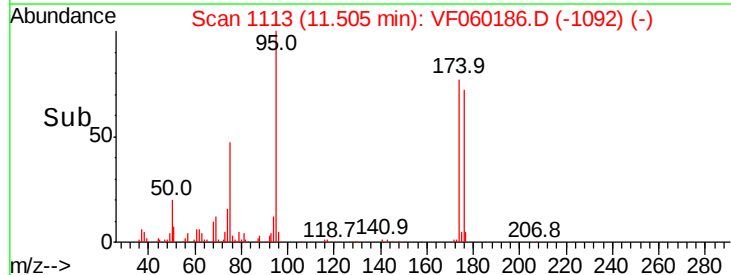
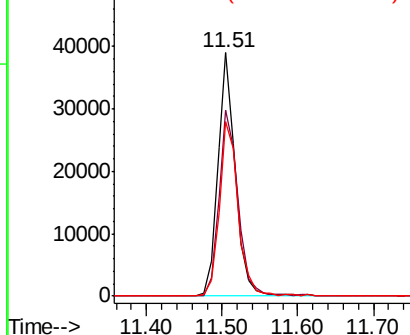


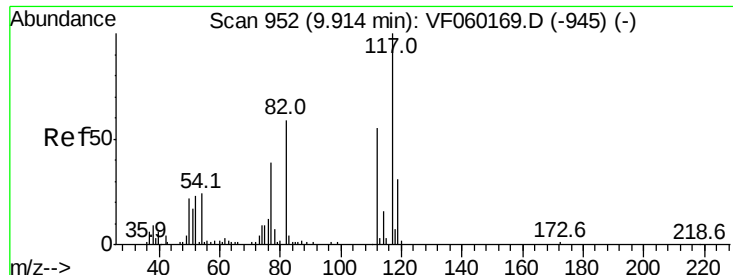
#62
4-Bromofluorobenzene
Concen: 55.961 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

Tgt Ion: 95 Resp: 63706
Ion Ratio Lower Upper
95 100
174 76.6 0.0 165.2
176 71.6 0.0 156.6



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

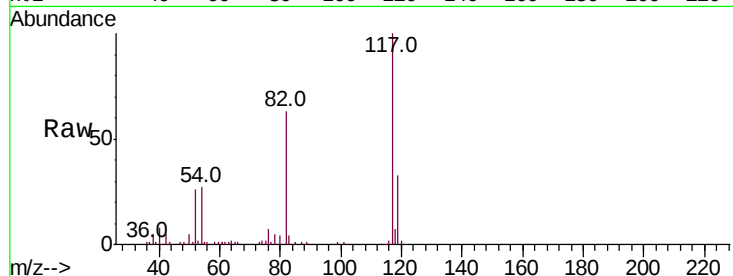




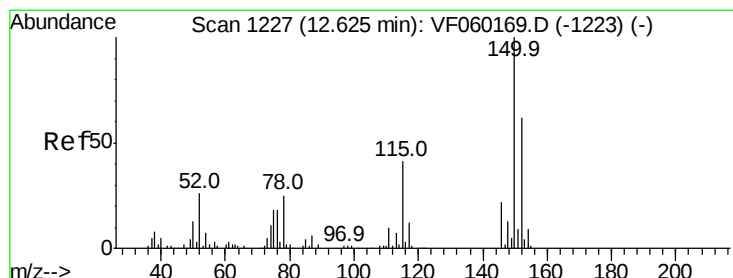
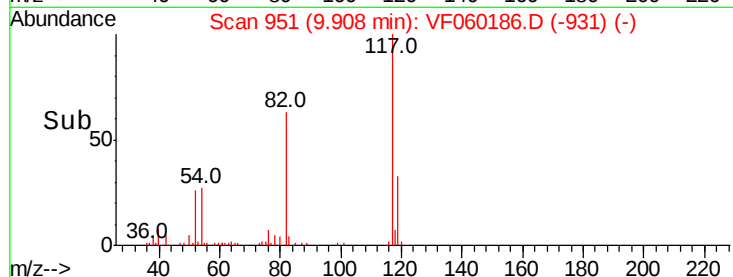
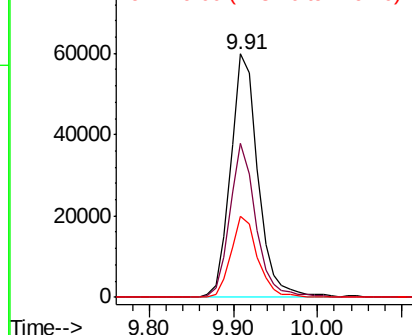
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 136504
Ion Ratio Lower Upper
117 100
82 63.2 47.2 70.8
119 33.4 25.0 37.4

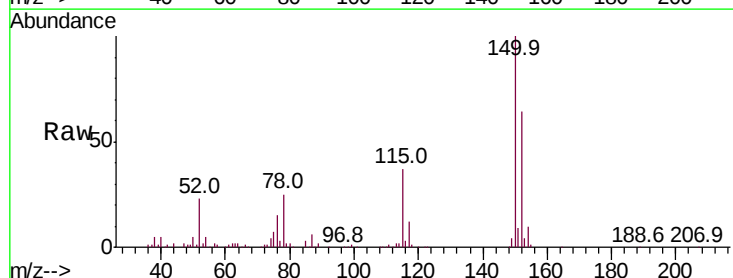


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

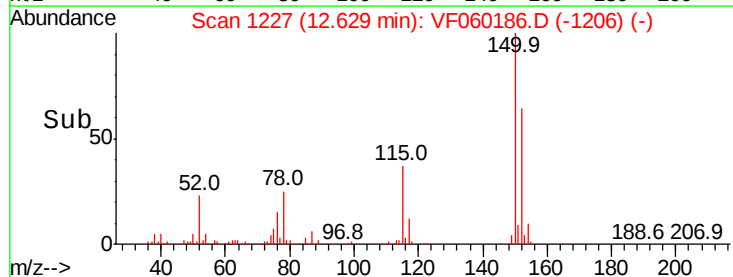
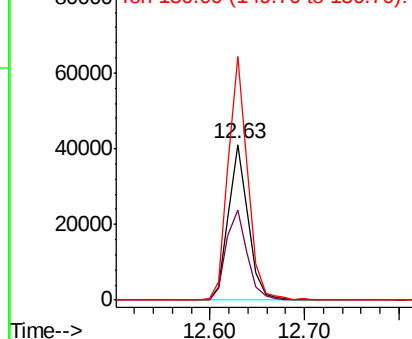


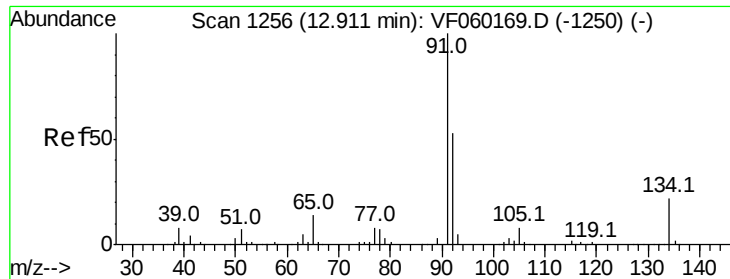
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

Tgt Ion:152 Resp: 59819
Ion Ratio Lower Upper
152 100
115 58.3 33.2 99.6
150 156.6 0.0 325.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

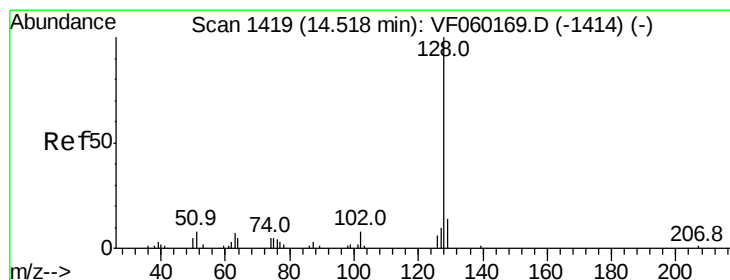
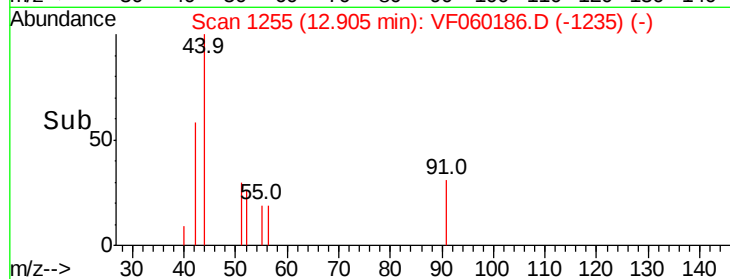
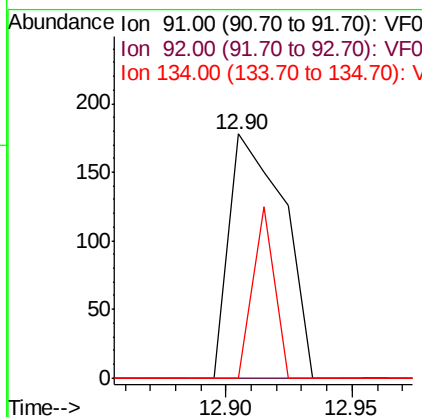
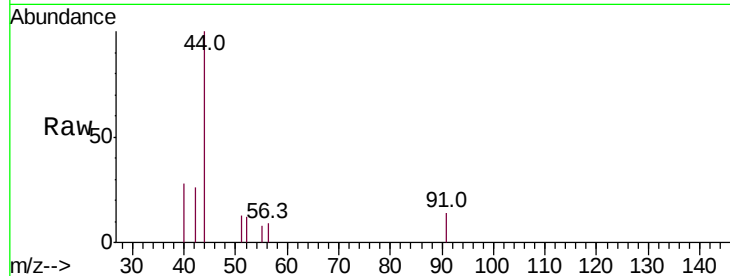




#89
n-Butylbenzene
Concen: 3.680 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

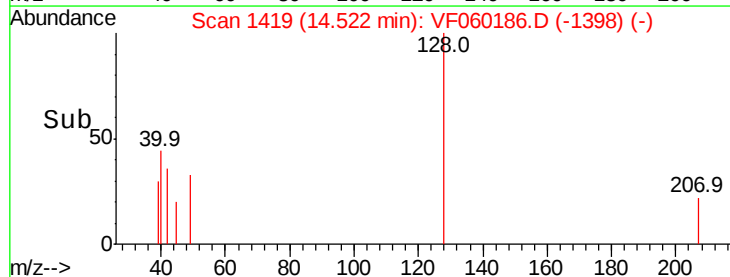
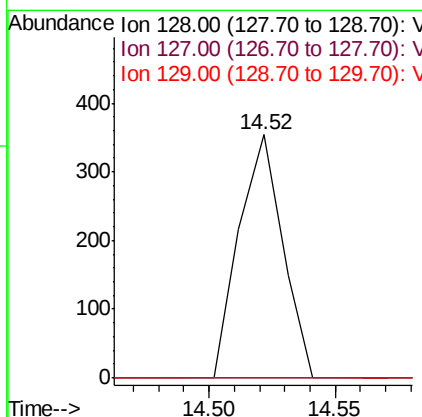
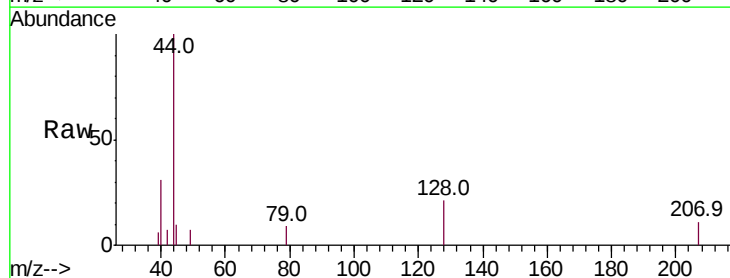
Instrument :
MSVOA_F
ClientSampled :

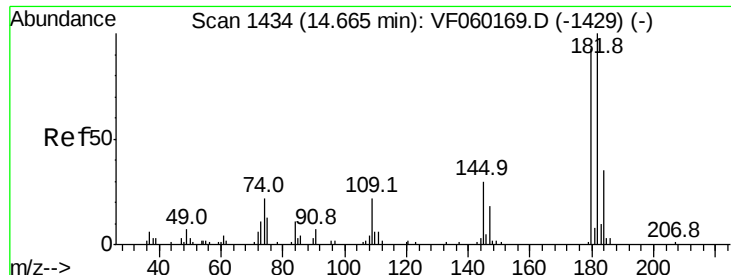
Tot Ion: 91 Resp: 269
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.0#
134 0.0 11.0 33.0#



#95
Naphthalene
Concen: 8.342 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060186.D
Acq: 29 Aug 2018 10:08

Tgt Ion: 128 Resp: 426
Ion Ratio Lower Upper
128 100
127 0.0 8.3 12.5#
129 0.0 11.5 17.3#





#96

1,2,3-Trichlorobenzene

Concen: 5.641 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VF060186.D

Acq: 29 Aug 2018 10:08

Instrument :

MSVOA_F

ClientSampleId :

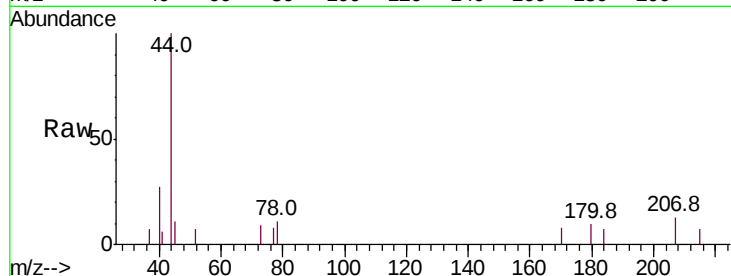
Tot Ion:180 Resp: 195

Ion Ratio Lower Upper

180 100

182 0.0 53.6 160.8#

145 0.0 16.2 48.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

