

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
 Data File : VF060488.D
 Acq On : 8 Oct 2018 17:00
 Operator : VA/AP
 Sample : J5084-19RE
 Misc : 6.93/5mL/MSVOA F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 09 01:31:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	321703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	557621	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	477143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	252145	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.98	65	171417	34.05	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	68.10%	
35) Dibromofluoromethane	4.26	113	182663	34.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.74%	
50) Toluene-d8	7.68	98	411475	31.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.78%	
62) 4-Bromofluorobenzene	11.48	95	194463	33.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	466	Below Cal	#	43
3) Chloromethane	1.12	50	33017	7.558	ug/l #	71
11) Tert butyl alcohol	2.66	59	1201	3.944	ug/l #	1
13) Acrolein	2.06	56	41328	168.774	ug/l #	1
14) Allyl chloride	2.26	41	182703	29.220	ug/l #	27
15) Acrylonitrile	3.03	53	13458	25.795	ug/l #	45
16) Acetone	2.30	43	38578	14.918	ug/l	95
18) Methyl Acetate	2.45	43	83341	43.832	ug/l #	58
20) Methylene Chloride	2.27	84	5405	Below Cal	#	51
25) 2-Butanone	4.48	43	18712	14.356	ug/l #	83
29) Tetrahydrofuran	4.15	42	17370	31.367	ug/l #	1
31) Cyclohexane	3.88	56	65839	11.947	ug/l #	61
37) Ethyl Acetate	4.15	43	102097	38.780	ug/l #	1
39) Methylcyclohexane	5.59	83	54408	8.073	ug/l	95
40) Benzene	4.77	78	208636	15.287	ug/l	98
41) Methacrylonitrile	4.80	41	27209	19.492	ug/l #	56
43) Isopropyl Acetate	6.93	43	51296	16.123	ug/l #	44
48) Methyl methacrylate	6.94	41	33811	14.804	ug/l #	37
49) 1,4-Dioxane	6.77	88	155	7.871	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	11663	5.150	ug/l #	61
52) Toluene	7.75	92	1090919	117.681	ug/l	90
56) Ethyl methacrylate	8.73	69	6928	2.075	ug/l #	79
58) 2-Chloroethyl Vinyl ether	7.75	63	179448	526.149	ug/l	100
59) 2-Hexanone	9.61	43	5752	3.463	ug/l #	55
67) Ethyl Benzene	10.00	91	761818	40.878	ug/l	97
68) m/p-Xylenes	10.24	106	1109759	173.223	ug/l	84
69) o-Xylene	10.80	106	606846	86.901	ug/l	90
70) Styrene	10.80	104	30282	3.049	ug/l #	1
73) Isopropylbenzene	11.21	105	76179	3.837	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	5086	1.909	ug/l #	1
78) n-propylbenzene	11.66	91	208557	8.665	ug/l	95
79) 2-Chlorotoluene	11.78	91	164050	11.652	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.89	105	472217	27.996	ug/l	98
82) 4-Chlorotoluene	11.89	91	48878	3.393	ug/l #	43

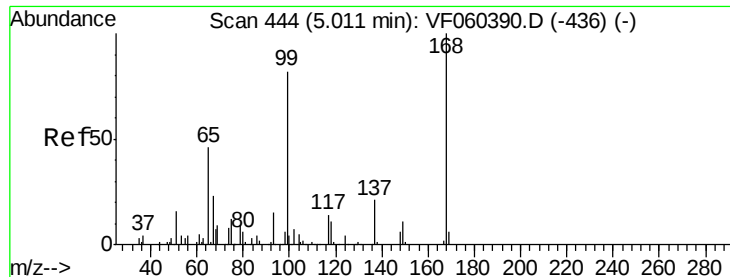
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100818\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.27	119	178425	10.725	ug/l #	68
84) 1,2,4-Trimethylbenzene	12.27	105	1507193	90.100	ug/l	97
85) sec-Butylbenzene	12.27	105	1507193	65.633	ug/l #	58
86) p-Isopropyltoluene	12.49	119	63792	3.400	ug/l	99
89) n-Butylbenzene	12.89	91	87016	4.383	ug/l #	39
90) Hexachloroethane	12.88	117	20324	4.191	ug/l #	27
95) Naphthalene	14.50	128	323577	30.260	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

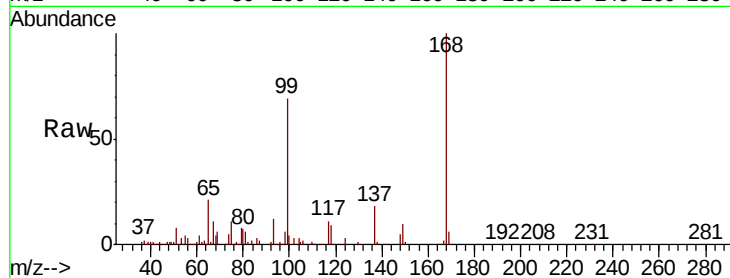
ClientSampleId :

Tot Ion:168 Resp: 321703

Ion Ratio Lower Upper

168 100

99 69.4 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.01

120000

100000

80000

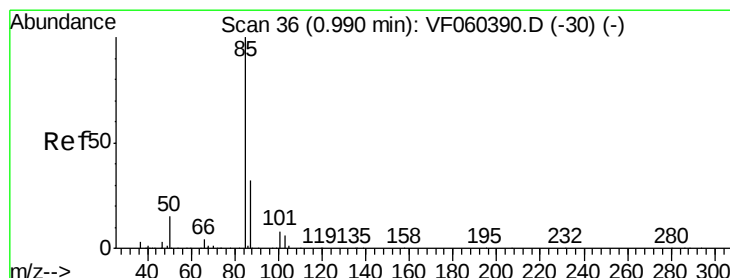
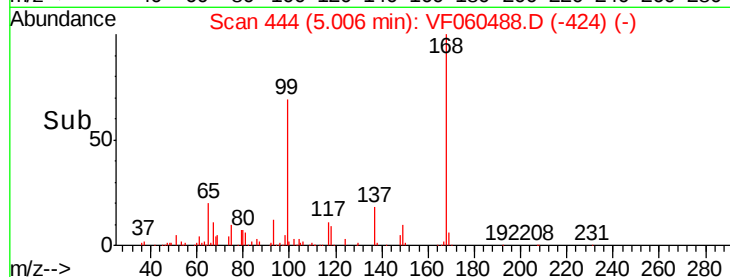
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060488.D

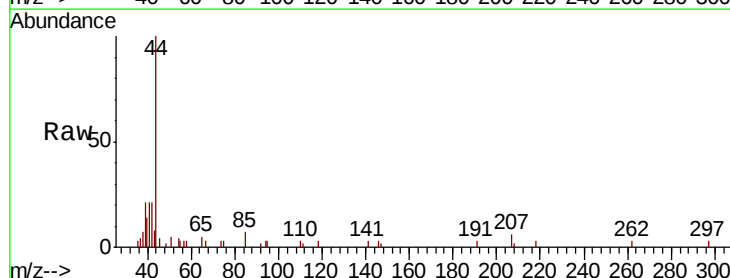
Acq: 8 Oct 2018 17:00

Tgt Ion: 85 Resp: 466

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

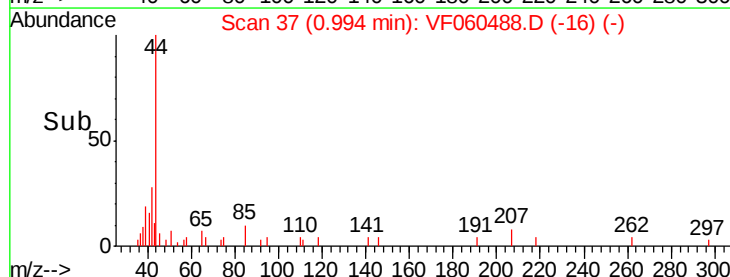
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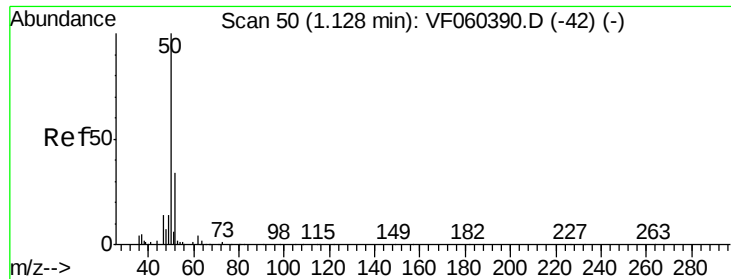
200

100

0

Time--> 0.95 1.00





#3

Chloromethane

Concen: 7.558 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

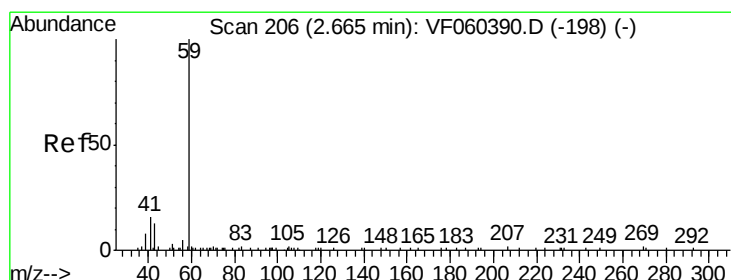
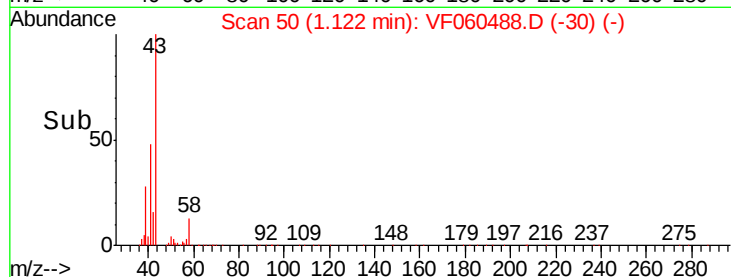
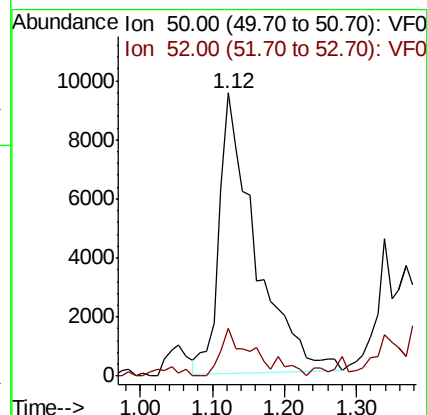
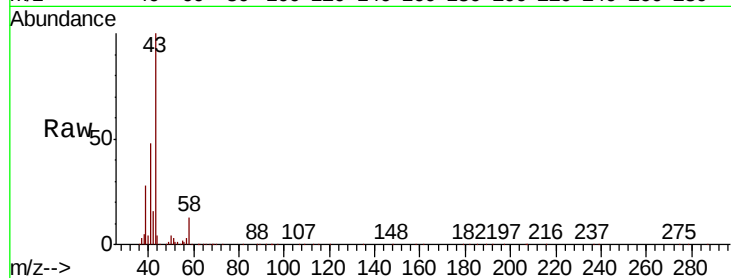
ClientSampleId :

Tot Ion: 50 Resp: 33017

Ion Ratio Lower Upper

50 100

52 17.1 26.9 40.3#



#11

Tert butyl alcohol

Concen: 3.944 ug/l

RT: 2.66 min Scan# 206

Delta R.T. -0.01 min

Lab File: VF060488.D

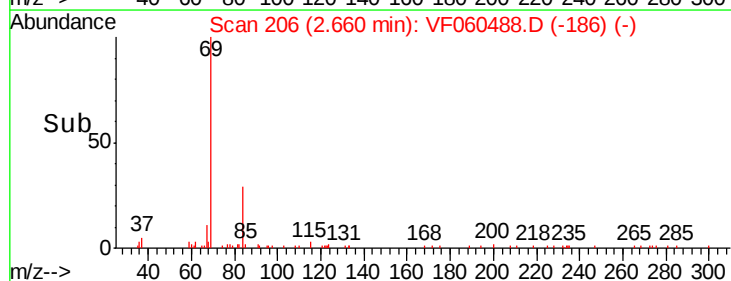
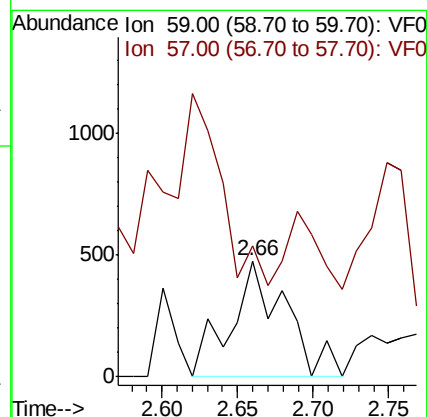
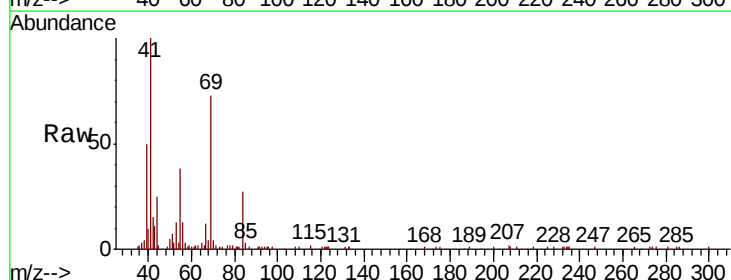
Acq: 8 Oct 2018 17:00

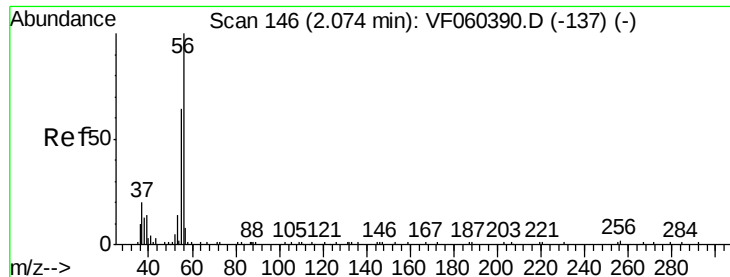
Tgt Ion: 59 Resp: 1201

Ion Ratio Lower Upper

59 100

57 113.3 6.5 9.7#

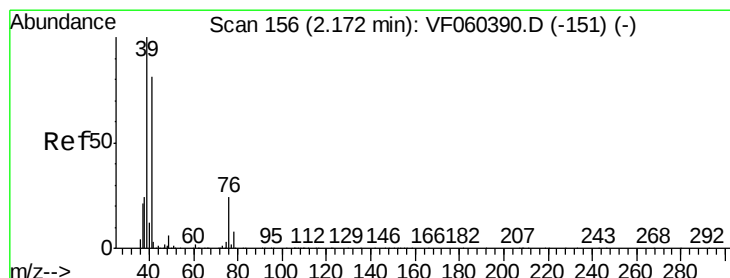
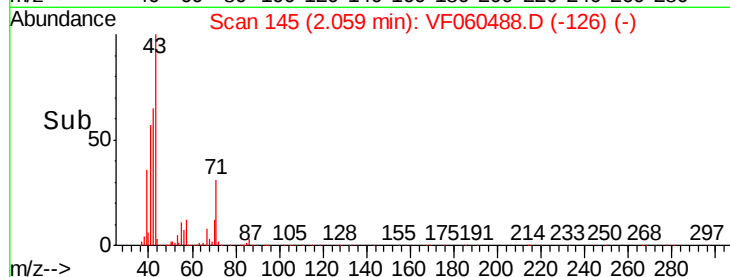
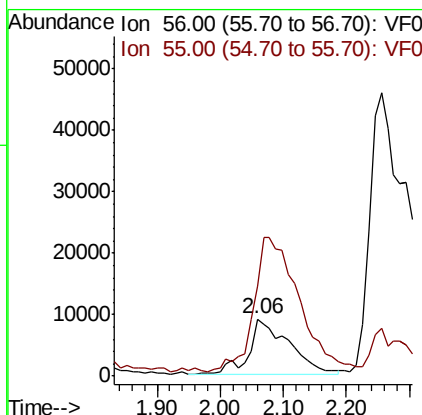
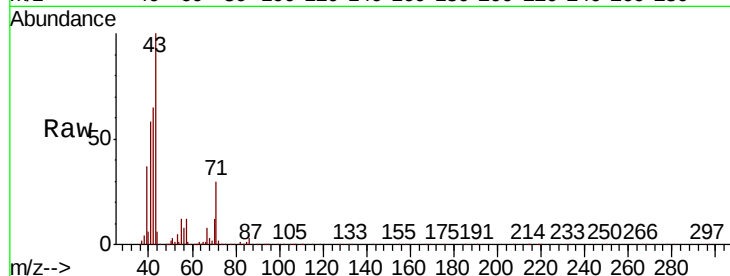




#13
Acrolein
Concen: 168.774 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

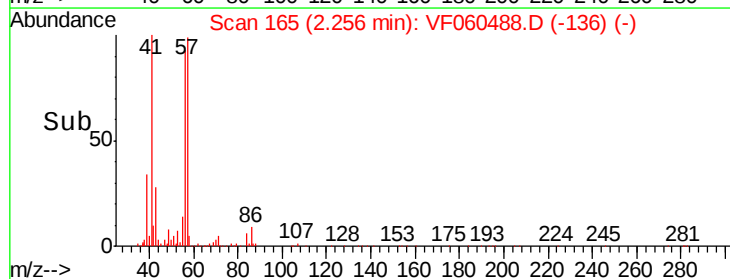
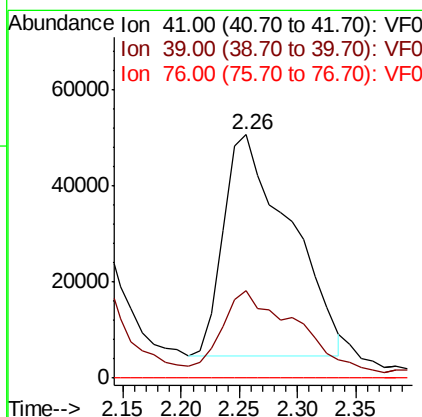
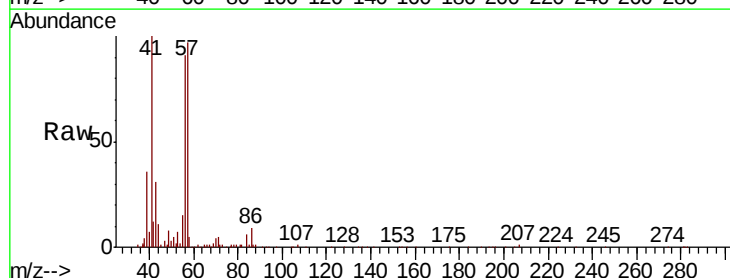
Instrument :
MSVOA_F
ClientSampleId :

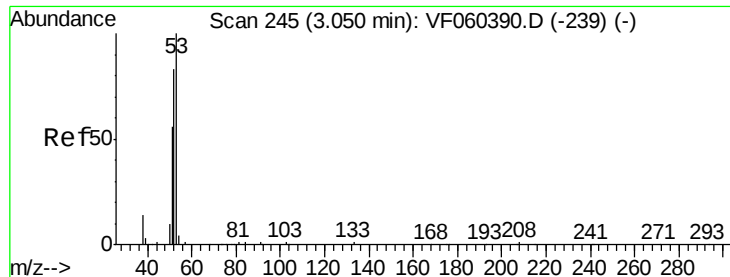
Tot Ion: 56 Resp: 41328
Ion Ratio Lower Upper
56 100
55 157.7 53.9 80.9#



#14
Allyl chloride
Concen: 29.220 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.08 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 41 Resp: 182703
Ion Ratio Lower Upper
41 100
39 36.1 98.3 147.5#
76 0.2 23.9 35.9#





#15

Acrylonitrile

Concen: 25.795 ug/l

RT: 3.03 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

ClientSampleId :

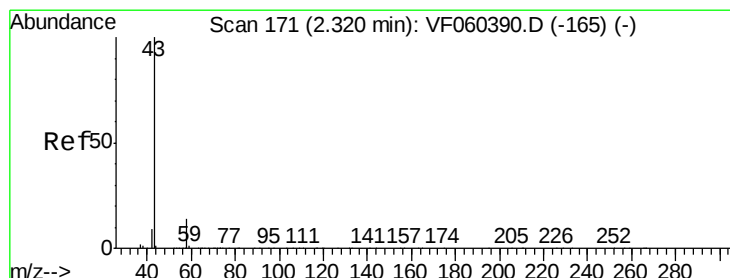
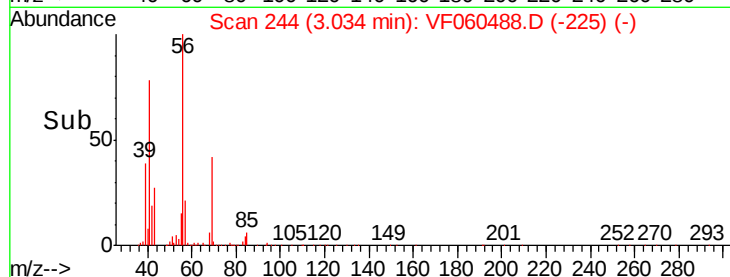
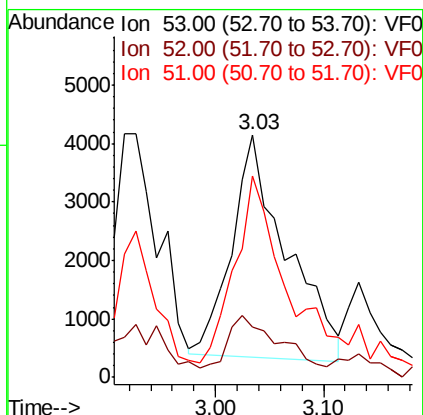
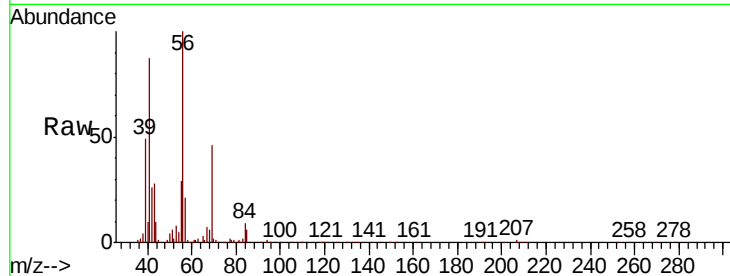
Tot Ion: 53 Resp: 13458

Ion Ratio Lower Upper

53 100

52 20.8 66.0 99.0#

51 83.3 45.6 68.4#



#16

Acetone

Concen: 14.918 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.02 min

Lab File: VF060488.D

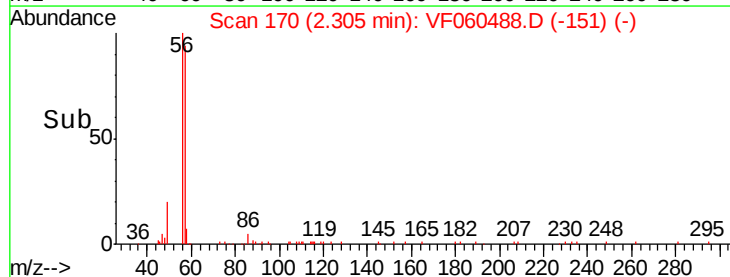
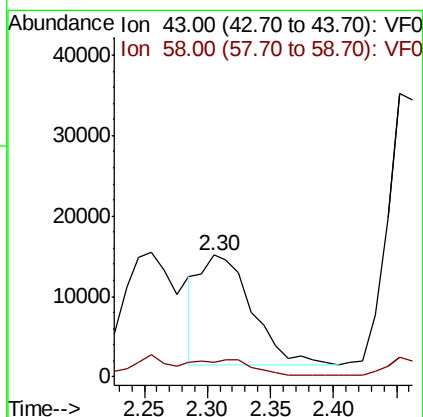
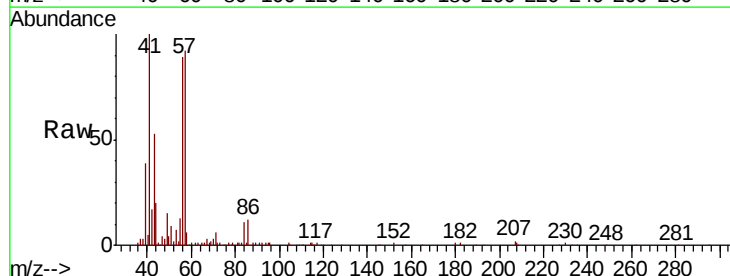
Acq: 8 Oct 2018 17:00

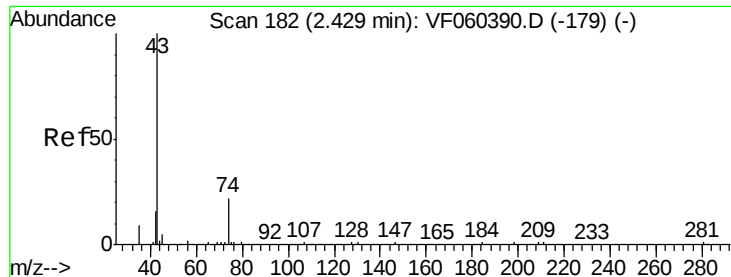
Tgt Ion: 43 Resp: 38578

Ion Ratio Lower Upper

43 100

58 12.0 11.2 16.8

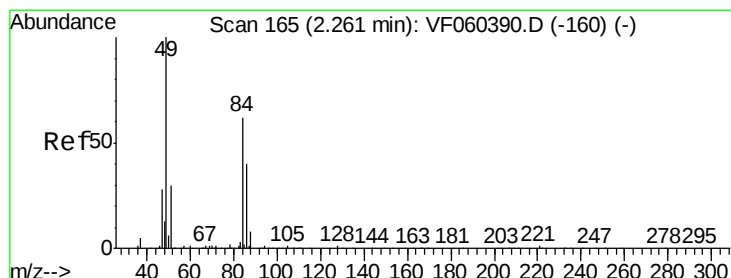
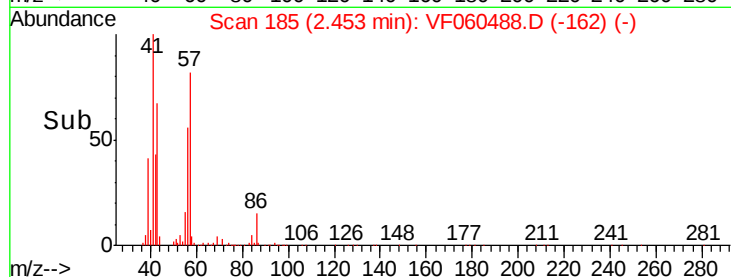
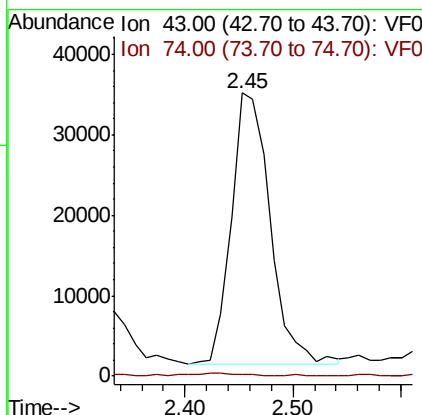
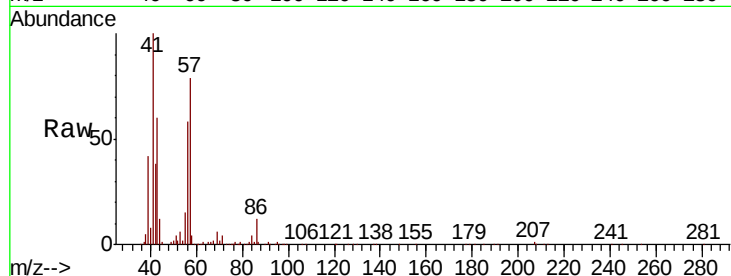




#18
Methyl Acetate
Concen: 43.832 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

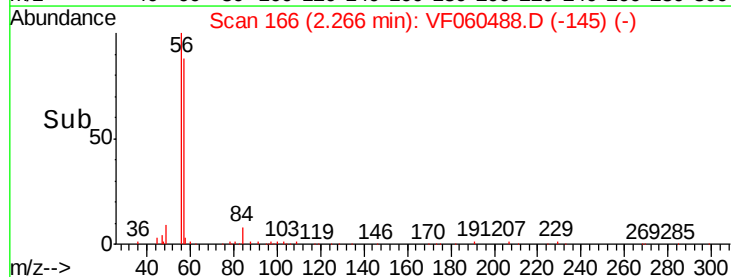
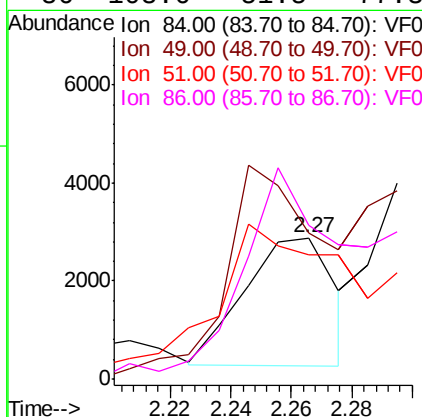
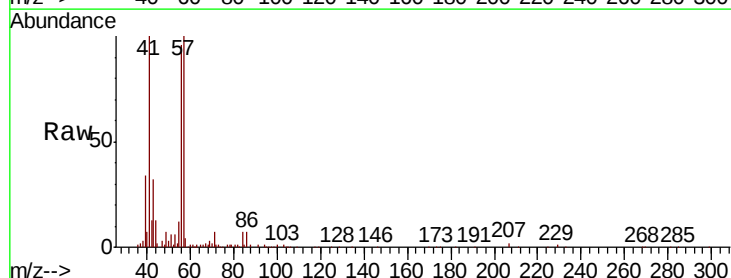
Instrument :
MSVOA_F
ClientSampleId :

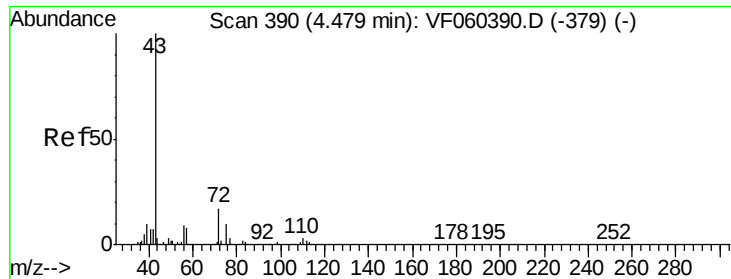
Tot Ion: 43 Resp: 83341
Ion Ratio Lower Upper
43 100
74 0.7 15.8 23.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 84 Resp: 5405
Ion Ratio Lower Upper
84 100
49 102.9 130.2 195.2#
51 88.0 41.0 61.6#
86 108.6 51.5 77.3#





#25

2-Butanone

Concen: 14.356 ug/l

RT: 4.48 min Scan# 391

Delta R.T. 0.00 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

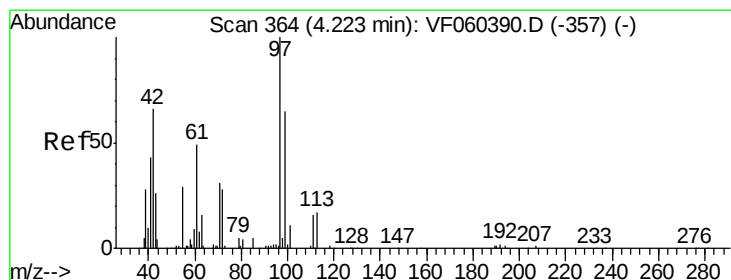
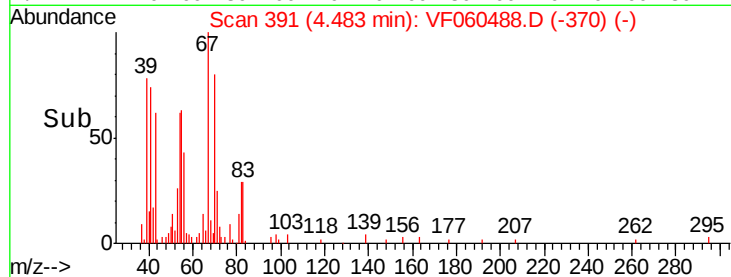
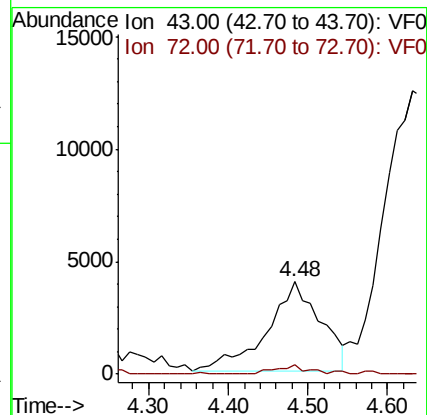
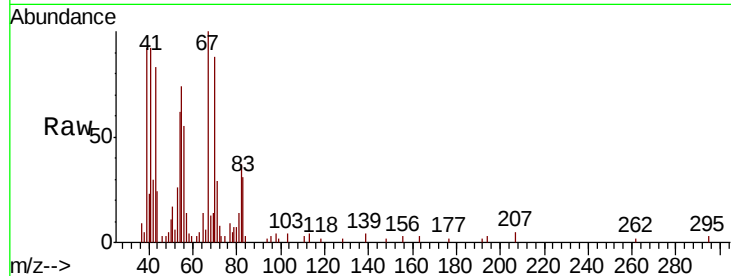
ClientSampled :

Tot Ion: 43 Resp: 18712

Ion Ratio Lower Upper

43 100

72 10.2 14.1 21.1#



#29

Tetrahydrofuran

Concen: 31.367 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.07 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

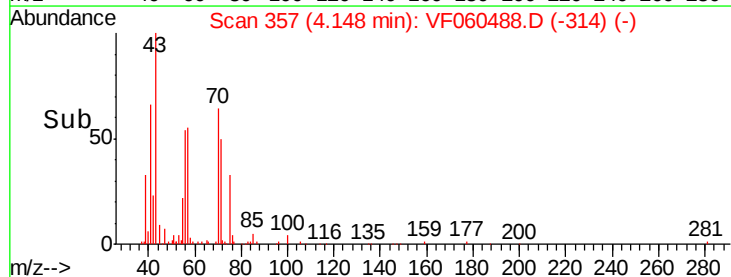
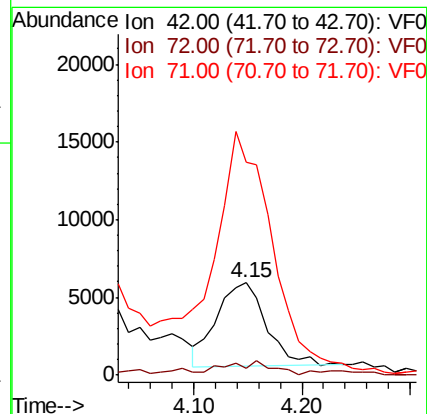
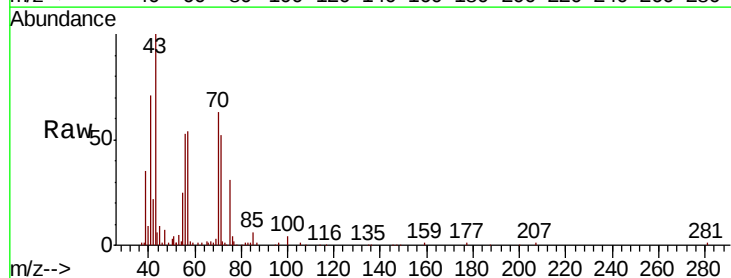
Tgt Ion: 42 Resp: 17370

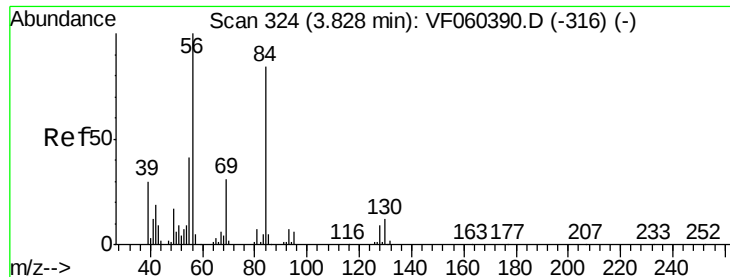
Ion Ratio Lower Upper

42 100

72 5.6 33.6 50.4#

71 330.3 32.7 49.1#

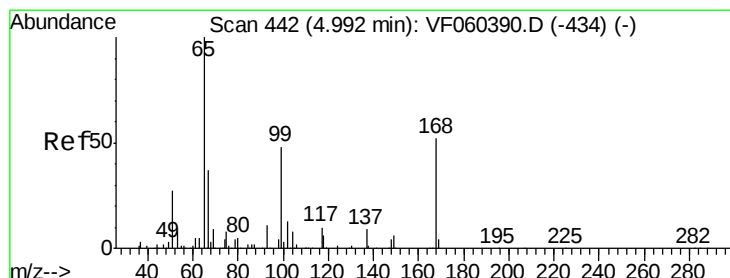
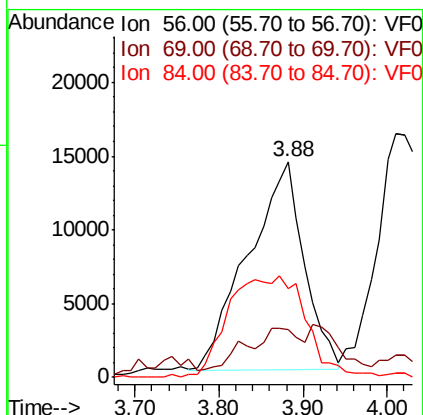
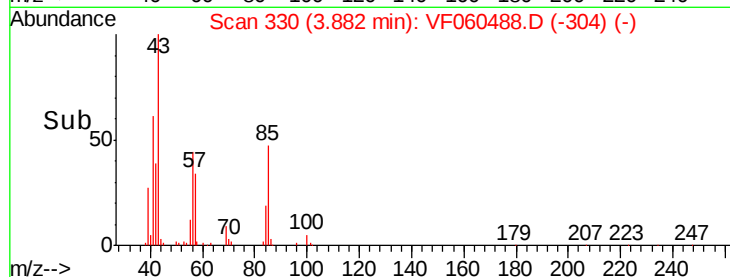
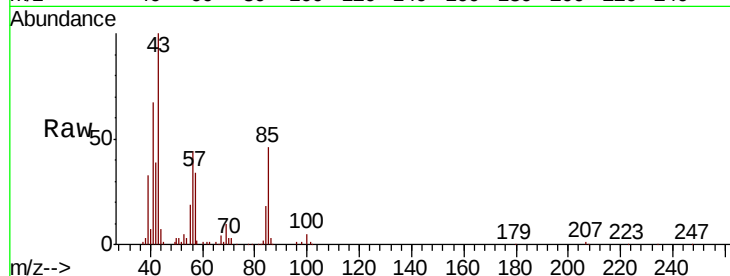




#31
Cyclohexane
Concen: 11.947 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.05 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

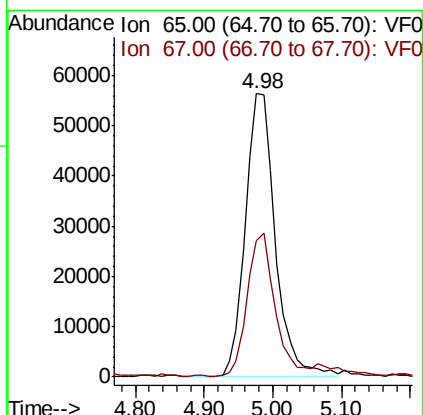
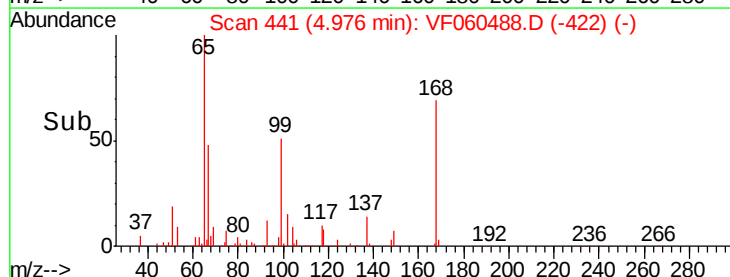
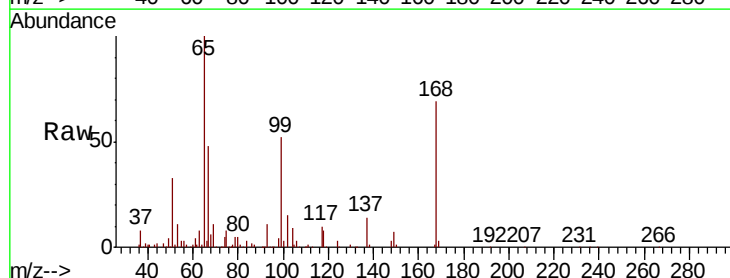
Instrument :
MSVOA_F
ClientSampleId :

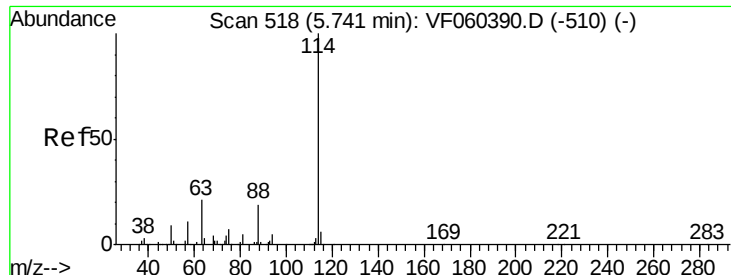
Tot Ion: 56 Resp: 65839
Ion Ratio Lower Upper
56 100
69 22.2 25.5 38.3#
84 41.0 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 34.052 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 65 Resp: 171417
Ion Ratio Lower Upper
65 100
67 48.2 0.0 89.4

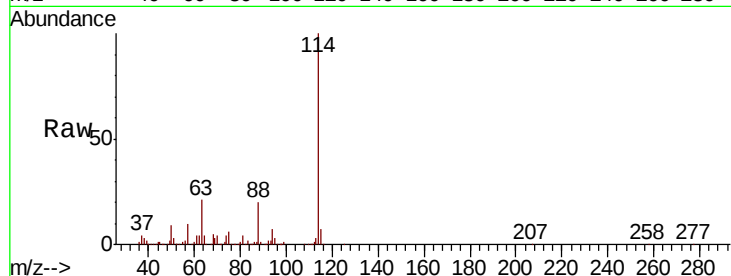




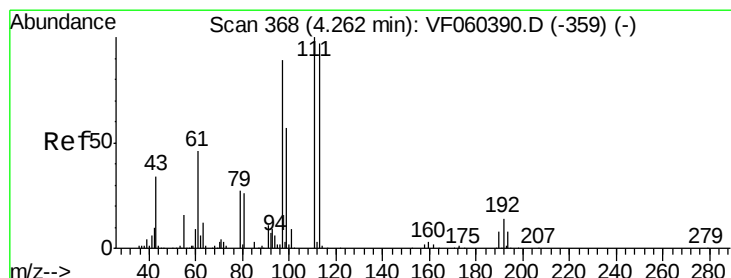
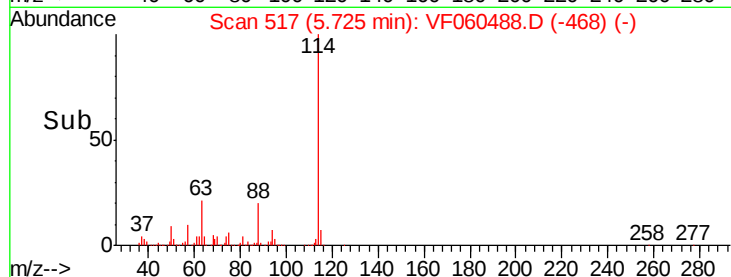
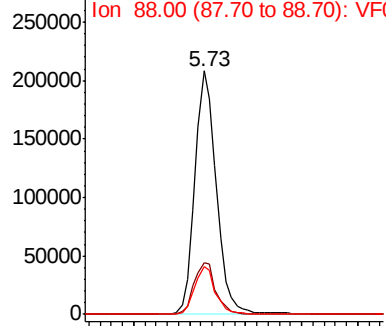
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.73 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 557621
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.2
88 19.8 0.0 38.8

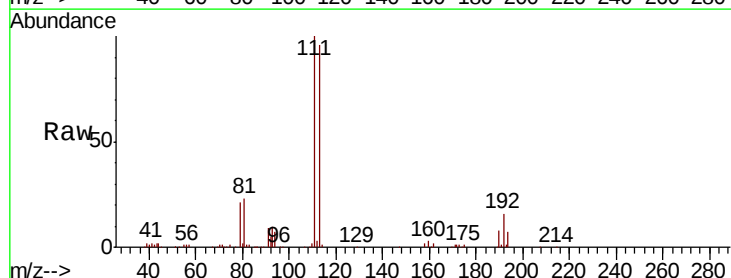


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

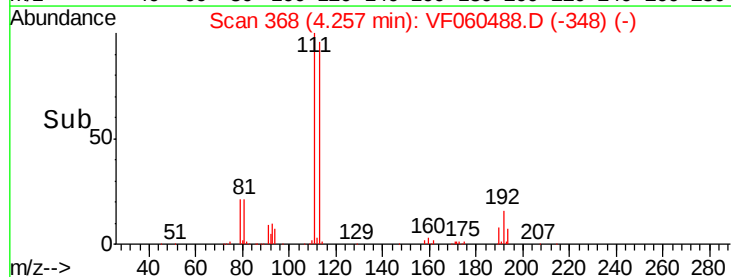
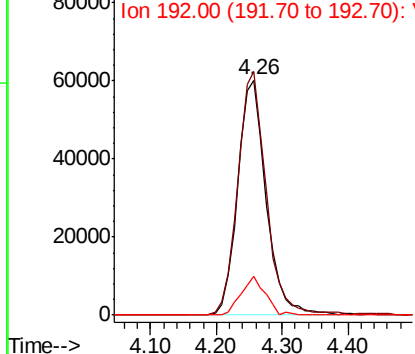


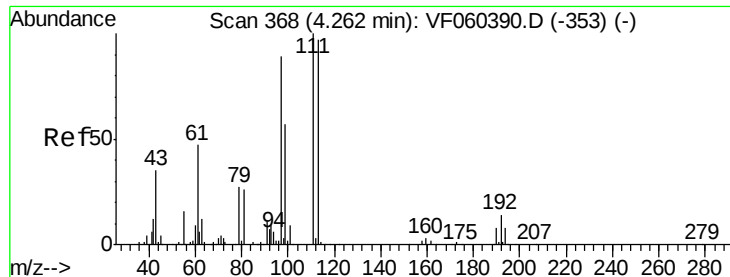
#35
Dibromofluoromethane
Concen: 34.869 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion:113 Resp: 182663
Ion Ratio Lower Upper
113 100
111 103.8 82.3 123.5
192 16.5 11.8 17.6



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

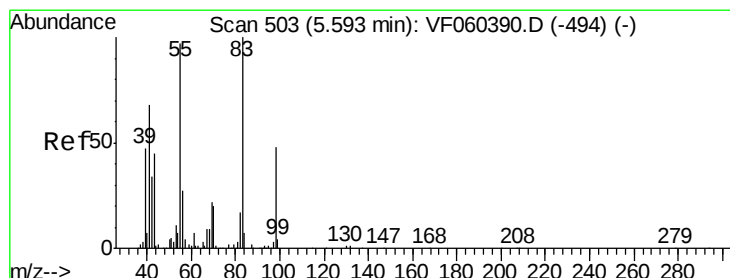
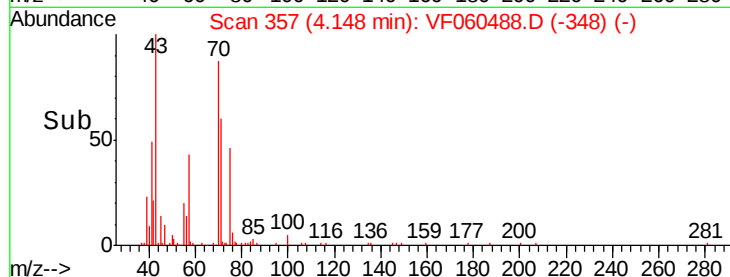
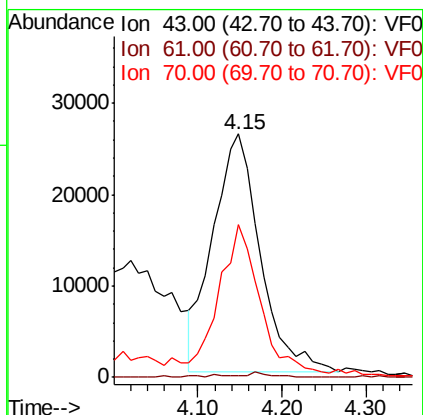
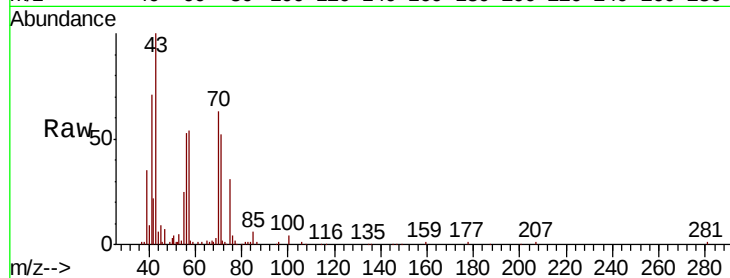




#37
Ethyl Acetate
Concen: 38.780 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.11 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

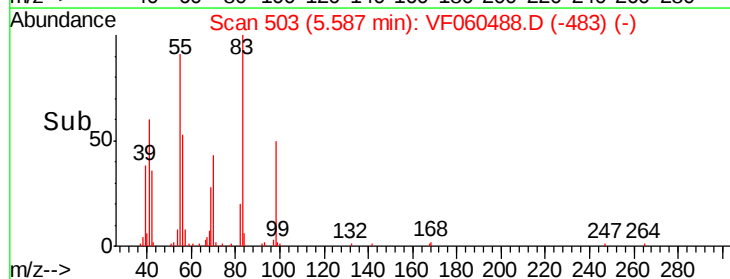
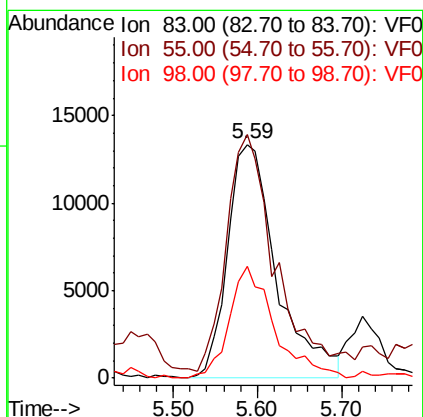
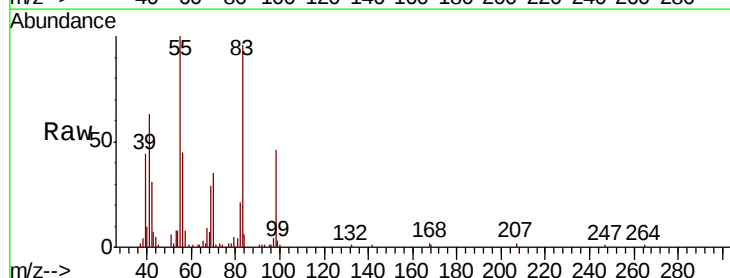
Instrument :
MSVOA_F
ClientSampled :

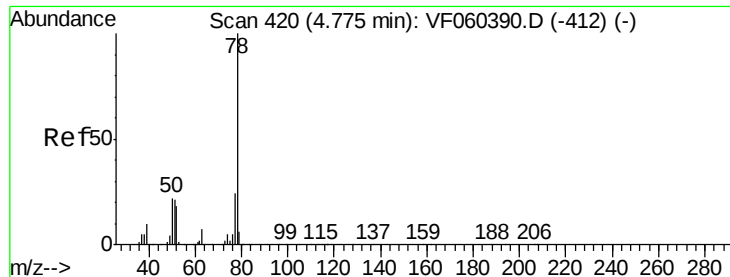
Tot Ion: 43 Resp: 102097
Ion Ratio Lower Upper
43 100
61 0.6 105.1 157.7#
70 62.5 8.0 12.0#



#39
Methylcyclohexane
Concen: 8.073 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 83 Resp: 54408
Ion Ratio Lower Upper
83 100
55 104.2 77.5 116.3
98 48.1 38.7 58.1





#40

Benzene

Concen: 15.287 ug/l

RT: 4.77 min Scan# 420

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

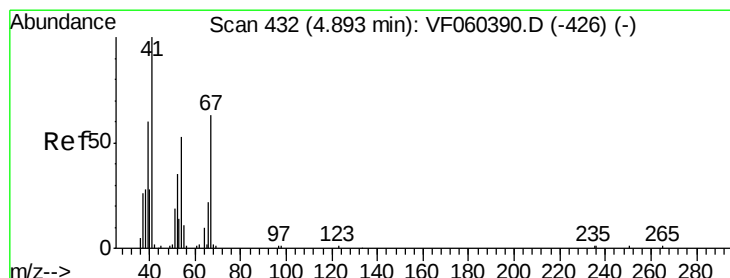
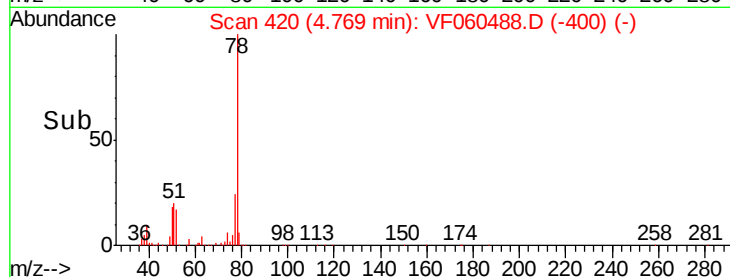
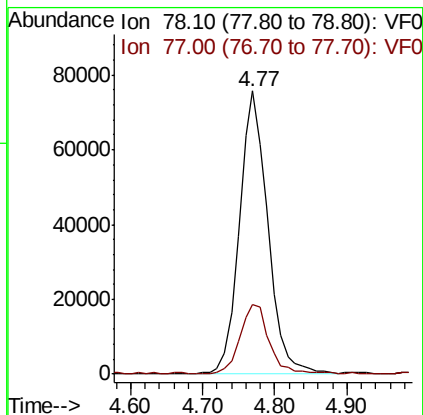
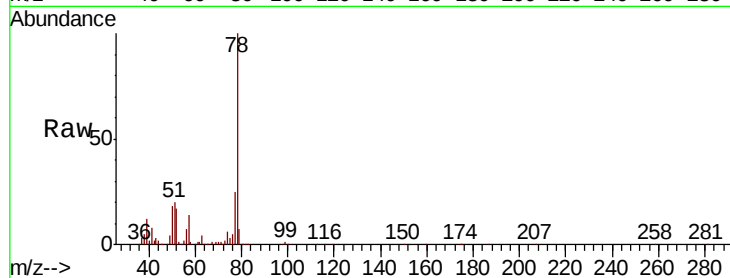
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 208636

Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8



#41

Methacrylonitrile

Concen: 19.492 ug/l

RT: 4.80 min Scan# 423

Delta R.T. -0.09 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Tgt Ion: 41 Resp: 27209

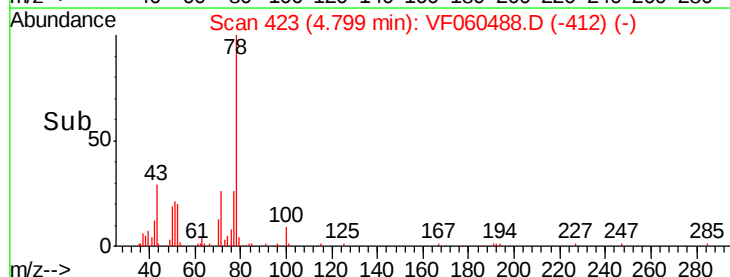
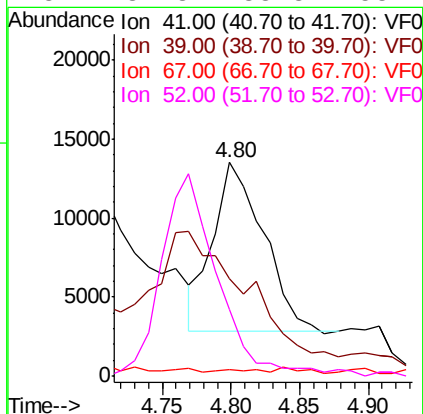
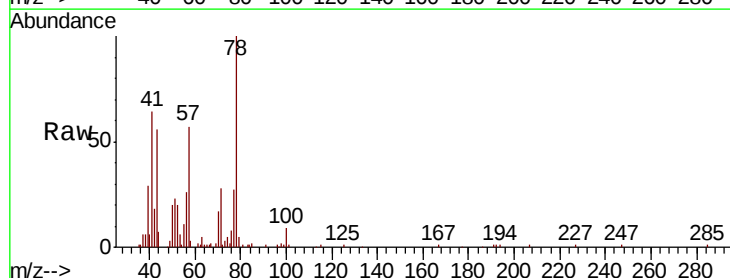
Ion Ratio Lower Upper

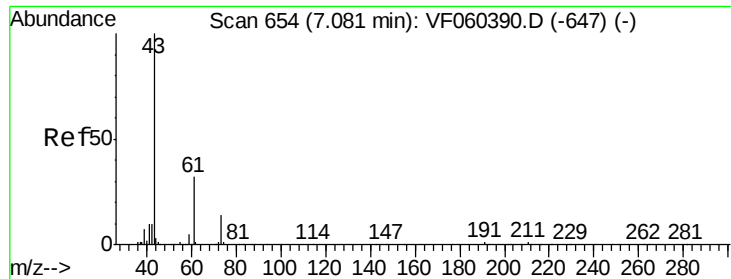
41 100

39 45.6 55.0 82.4#

67 2.8 49.6 74.4#

52 31.3 38.8 58.2#



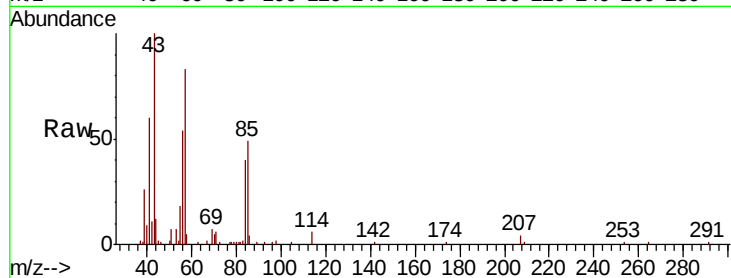


#43

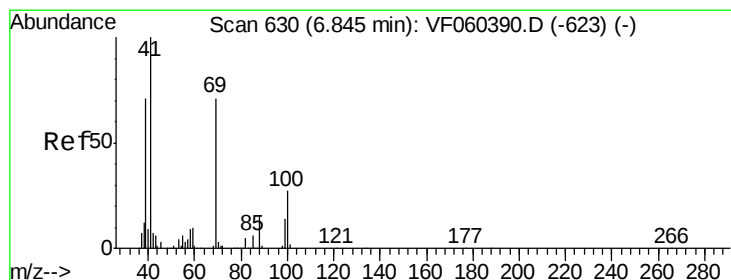
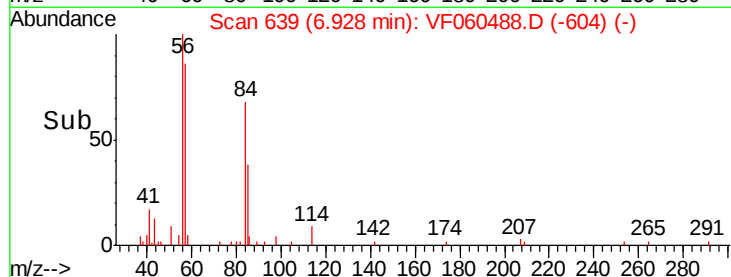
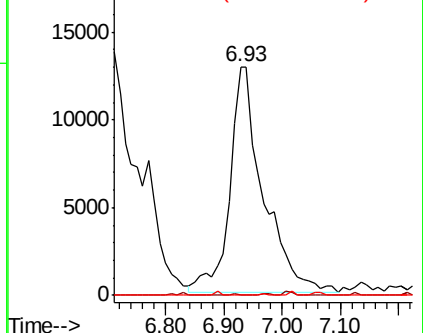
Isopropyl Acetate
 Concen: 16.123 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.15 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.4	38.2#
87	0.0	0.3	0.5#



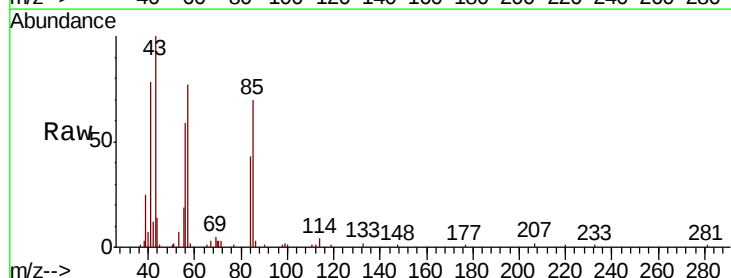
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



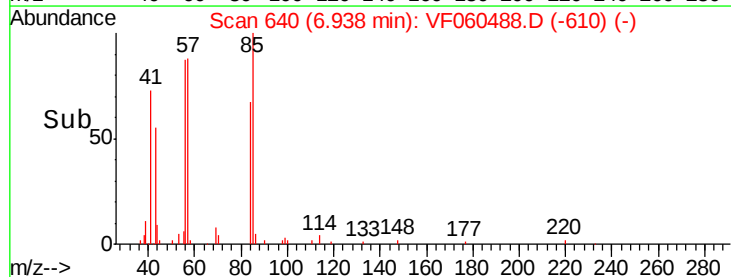
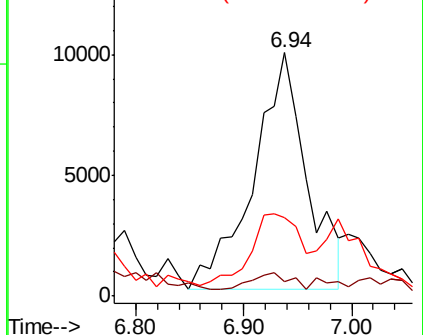
#48

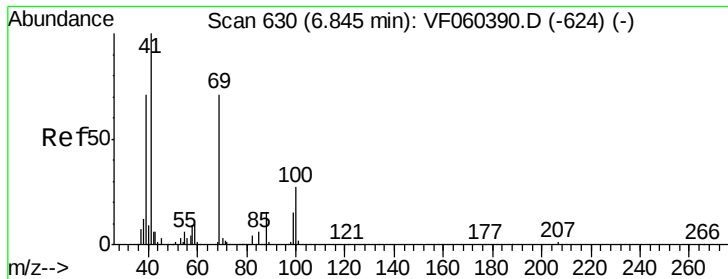
Methyl methacrylate
 Concen: 14.804 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. 0.09 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	6.0	56.3	84.5#
39	32.2	56.9	85.3#



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





#49

1,4-Dioxane

Concen: 7.871 ug/l

RT: 6.77 min Scan# 623

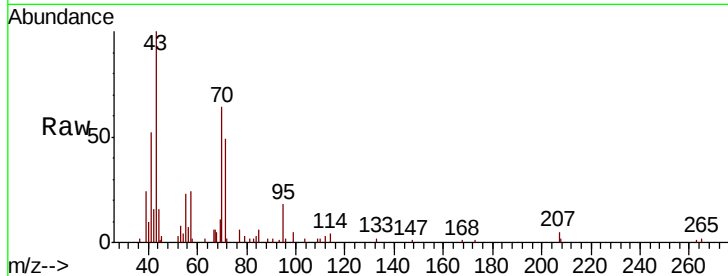
Delta R.T. -0.07 min

Lab File: VF060488.D

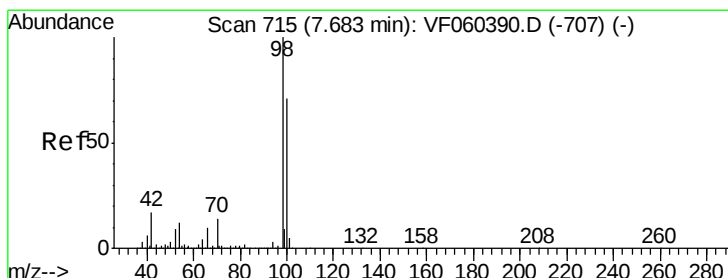
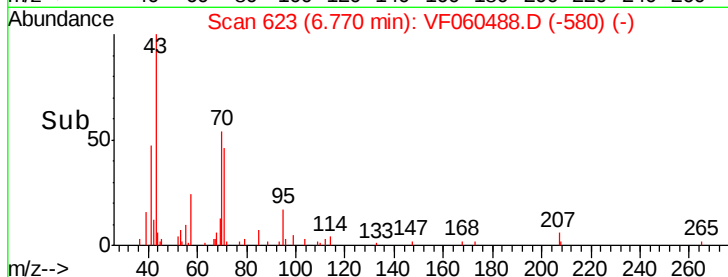
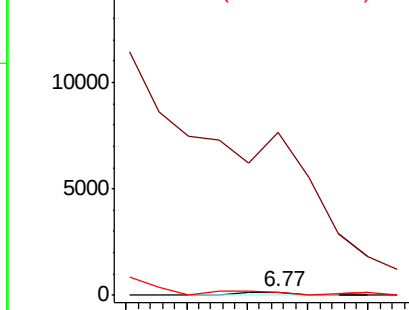
Acq: 8 Oct 2018 17:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 5280.7 38.3 57.5#
58 86.2 47.4 71.2#



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: 31.894 ug/l

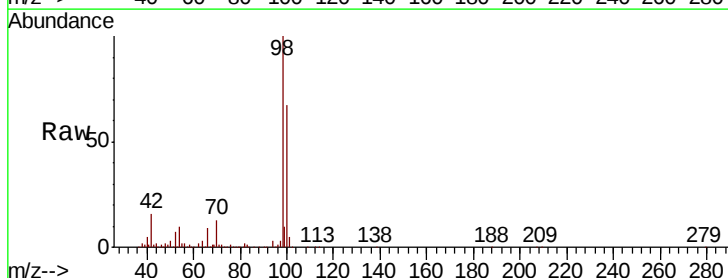
RT: 7.68 min Scan# 715

Delta R.T. -0.01 min

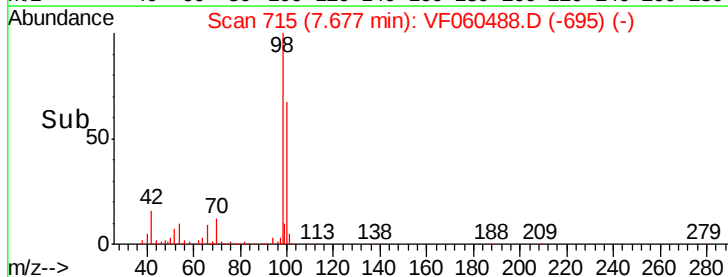
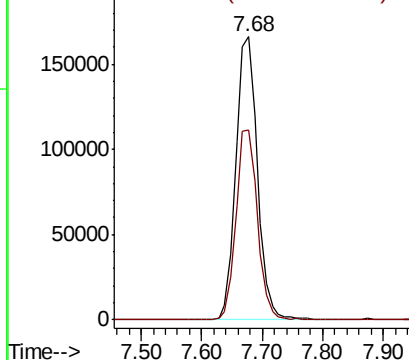
Lab File: VF060488.D

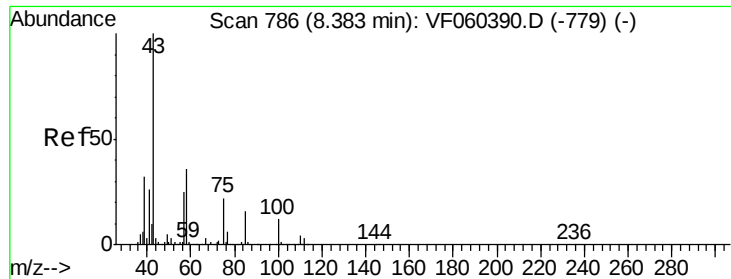
Acq: 8 Oct 2018 17:00

Tgt Ion: 98 Resp: 411475
Ion Ratio Lower Upper
98 100
100 67.1 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 5.150 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

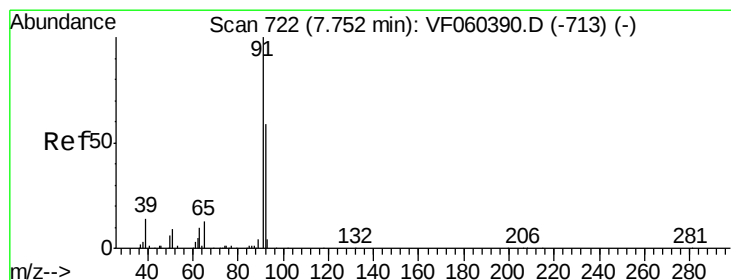
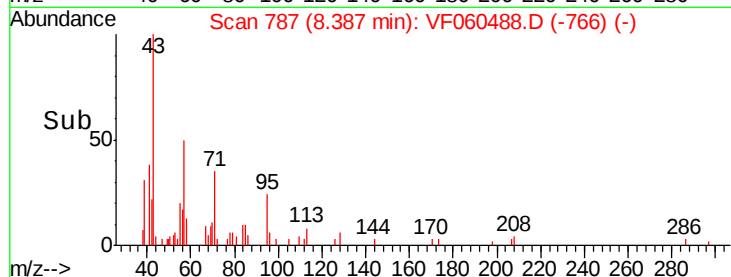
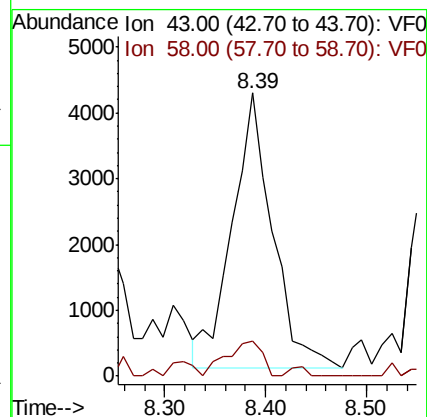
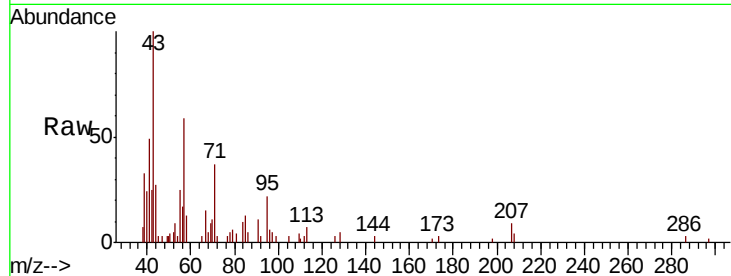
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 11663

Ion Ratio Lower Upper

43 100

58 12.5 28.5 42.7#



#52

Toluene

Concen: 117.681 ug/l

RT: 7.75 min Scan# 722

Delta R.T. -0.01 min

Lab File: VF060488.D

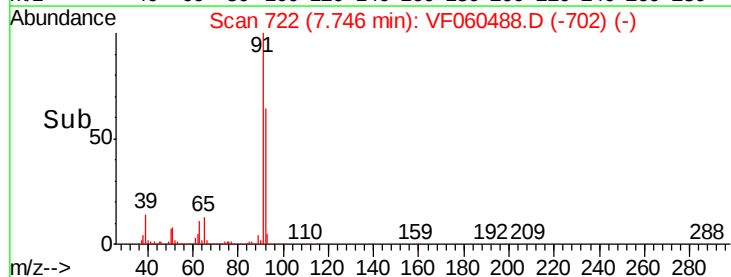
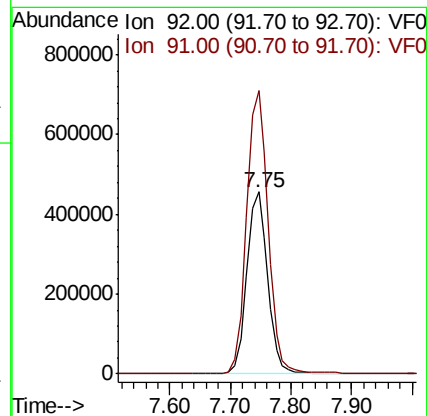
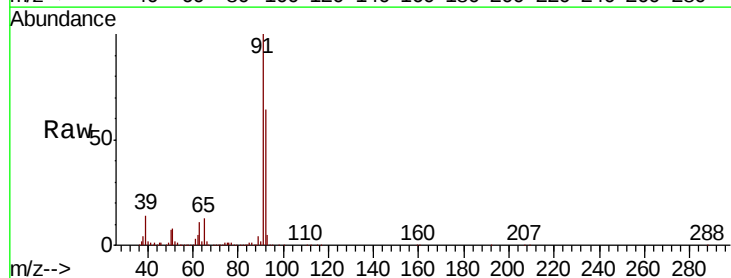
Acq: 8 Oct 2018 17:00

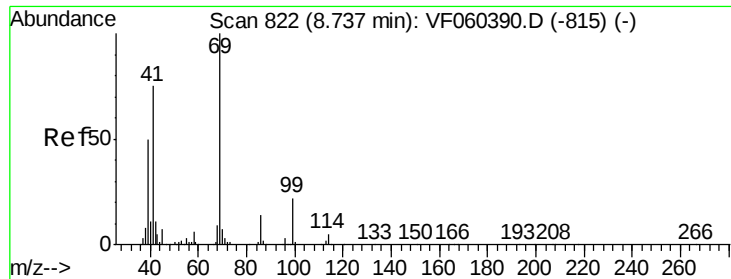
Tgt Ion: 92 Resp: 1090919

Ion Ratio Lower Upper

92 100

91 155.3 135.4 203.0





#56

Ethyl methacrylate

Concen: 2.075 ug/l

RT: 8.73 min Scan# 822

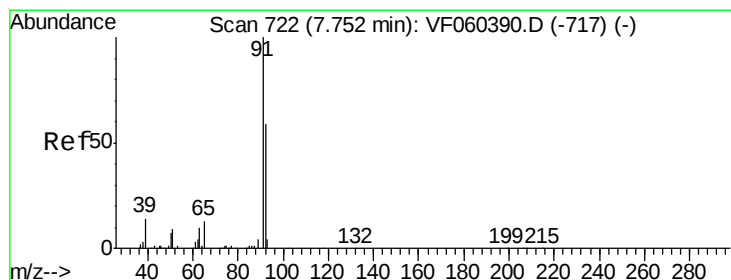
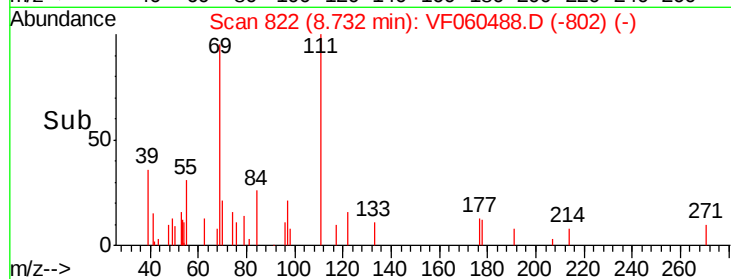
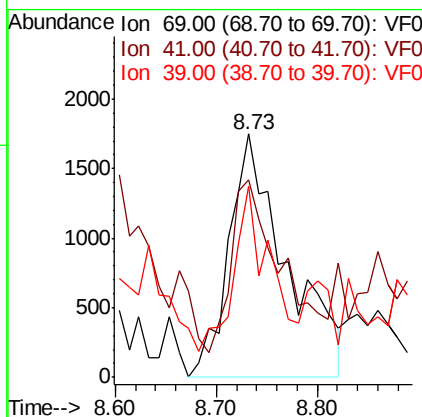
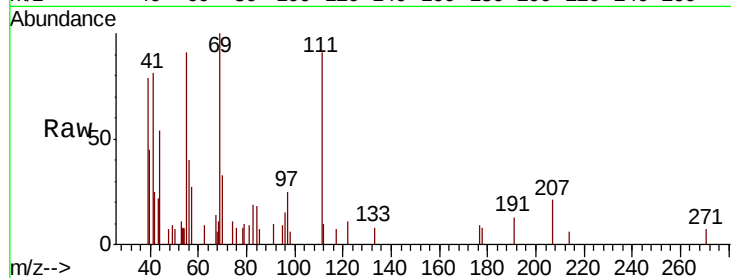
Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69.00	Resp:	6928
Ion	Ratio	Lower	Upper
69	100		
41	81.0	60.2	90.4
39	78.7	40.2	60.2#



#58

2-Chloroethyl Vinyl ether

Concen: 526.149 ug/l

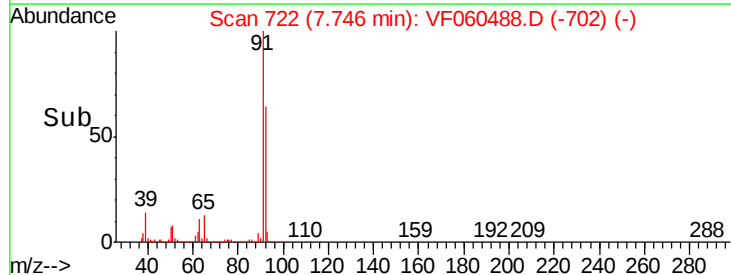
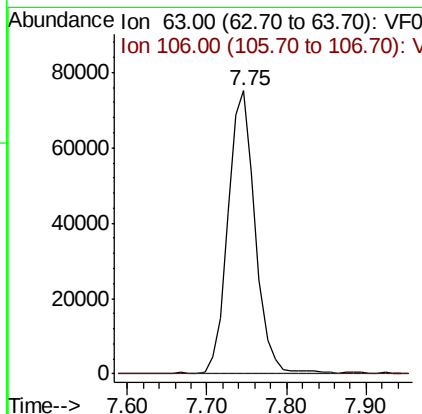
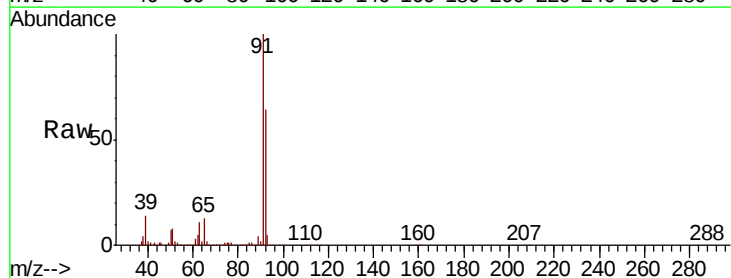
RT: 7.75 min Scan# 722

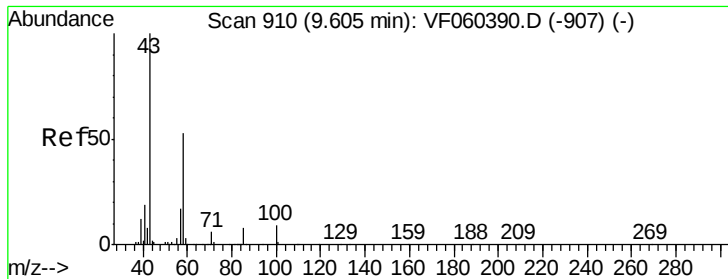
Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Tgt Ion:	63.00	Resp:	179448
Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0

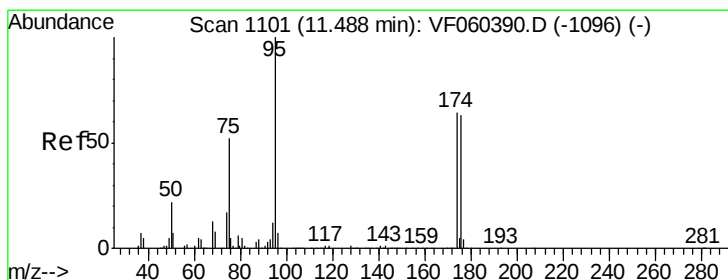
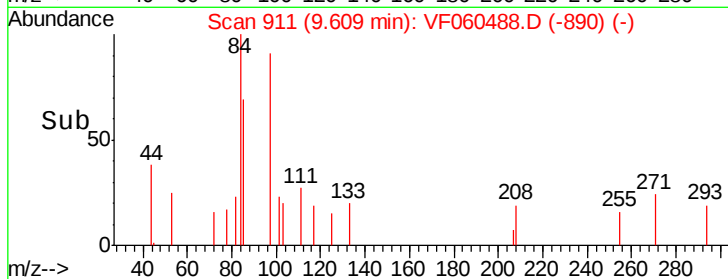
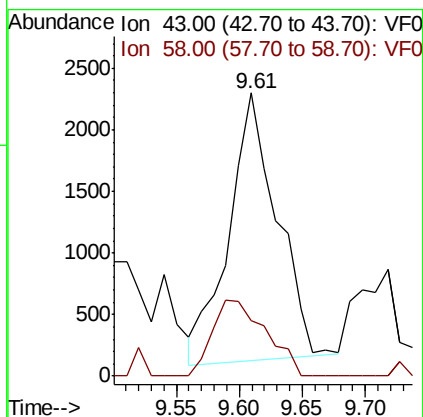
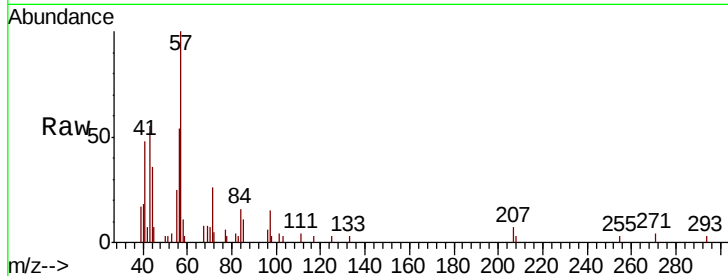




#59
2-Hexanone
Concen: 3.463 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

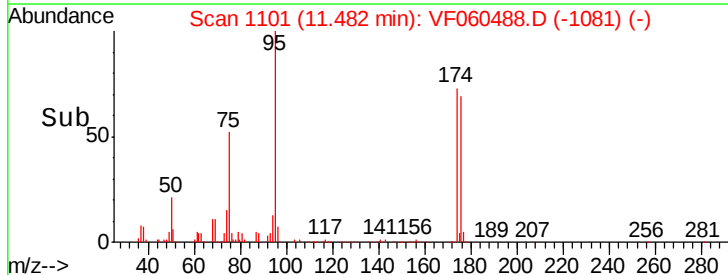
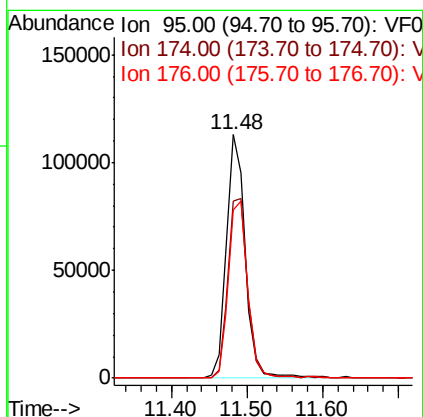
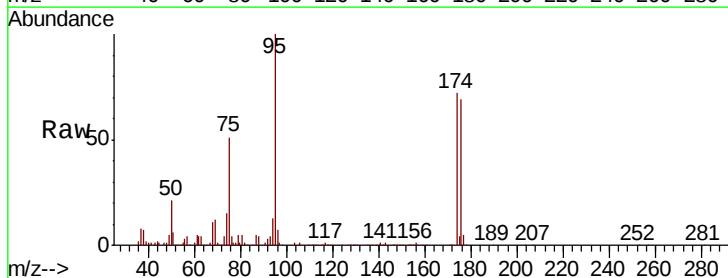
Instrument :
MSVOA_F
ClientSampleId :

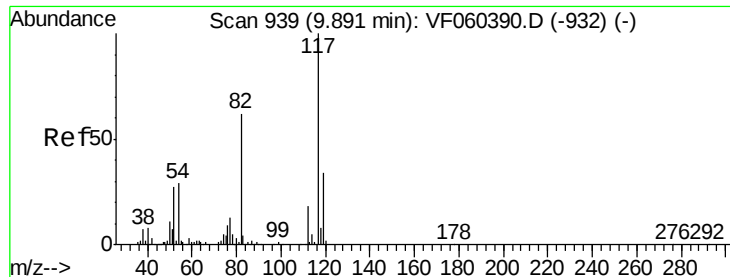
Tot Ion: 43 Resp: 5752
Ion Ratio Lower Upper
43 100
58 19.7 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 33.012 ug/l
RT: 11.48 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 95 Resp: 194463
Ion Ratio Lower Upper
95 100
174 72.5 0.0 129.0
176 69.1 0.0 125.6

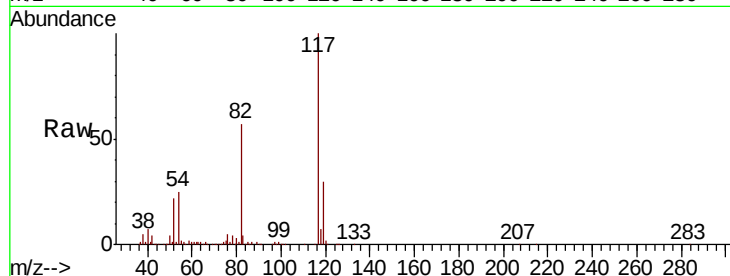




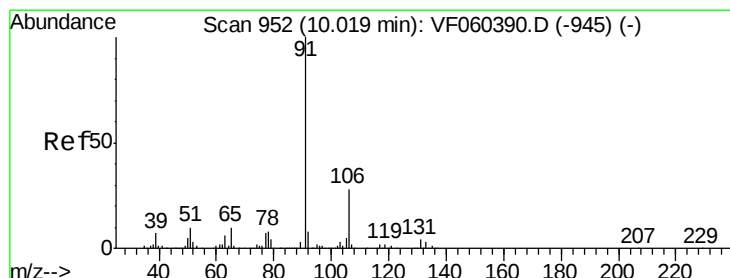
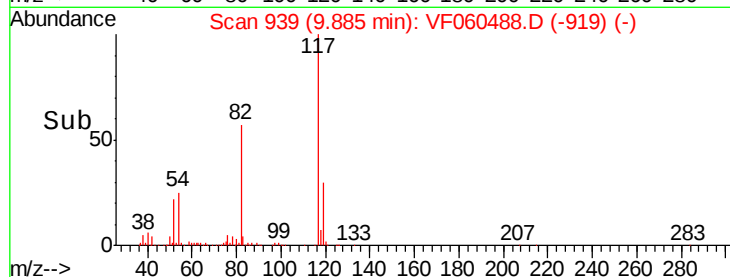
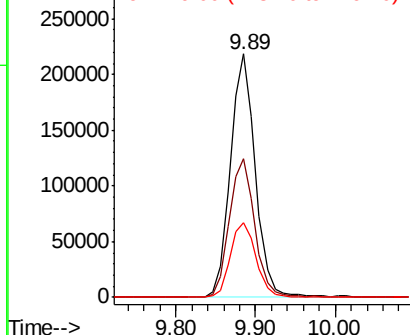
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 477143
Ion Ratio Lower Upper
117 100
82 56.8 49.5 74.3
119 30.4 27.0 40.6

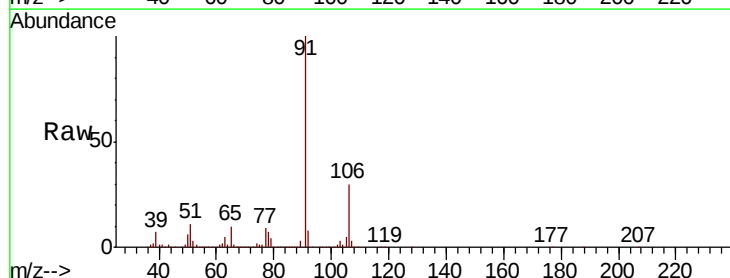


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

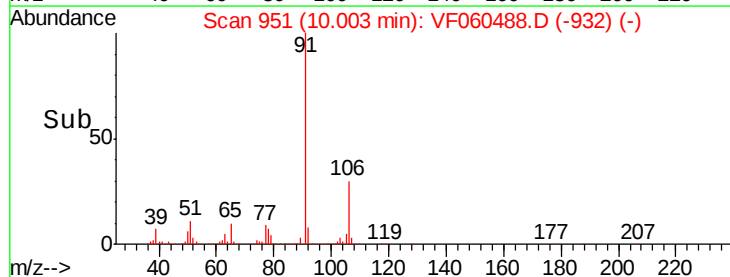
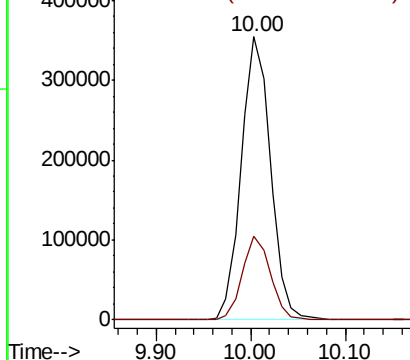


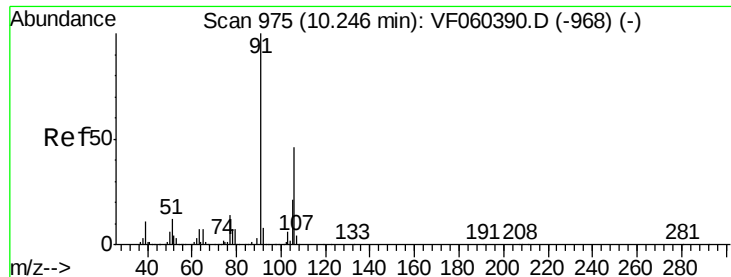
#67
Ethyl Benzene
Concen: 40.878 ug/l
RT: 10.00 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 91 Resp: 761818
Ion Ratio Lower Upper
91 100
106 29.6 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

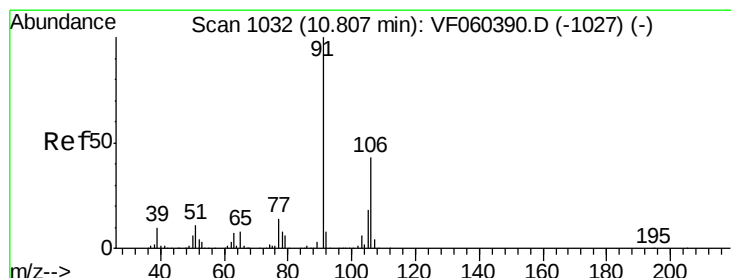
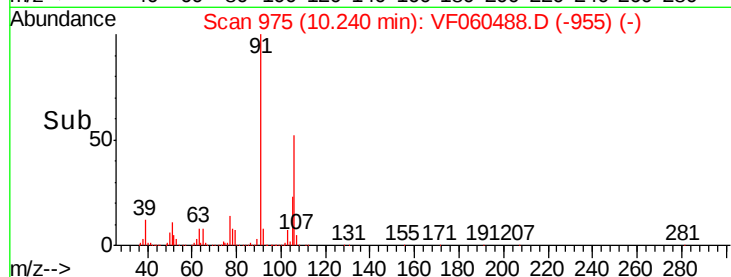
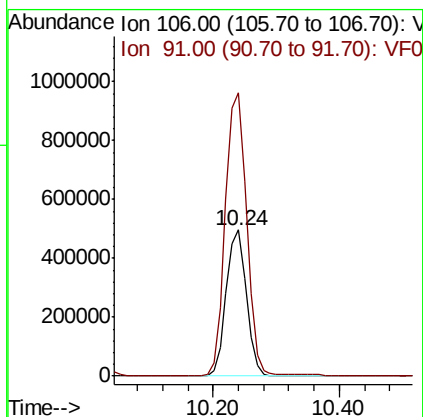
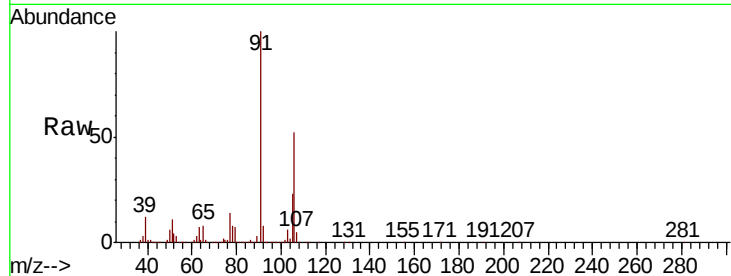




#68
m/p-Xylenes
Concen: 173.223 ug/l
RT: 10.24 min Scan# 975
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

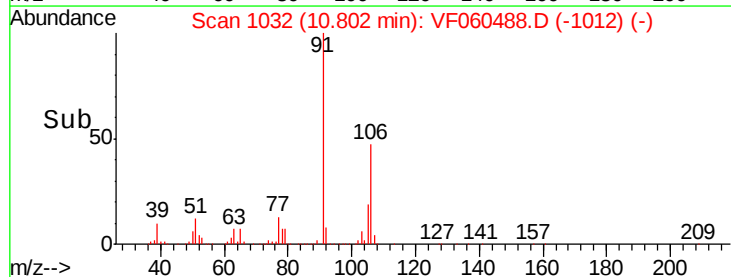
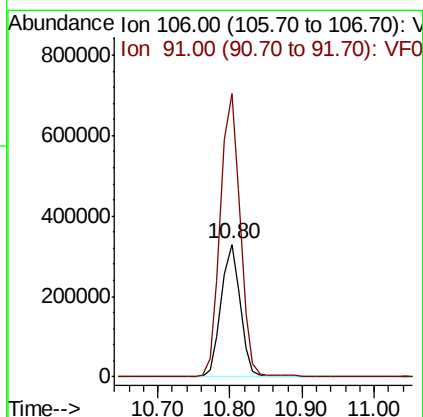
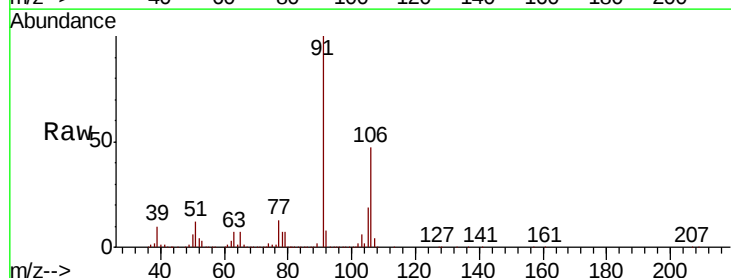
Instrument :
MSVOA_F
ClientSampleId :

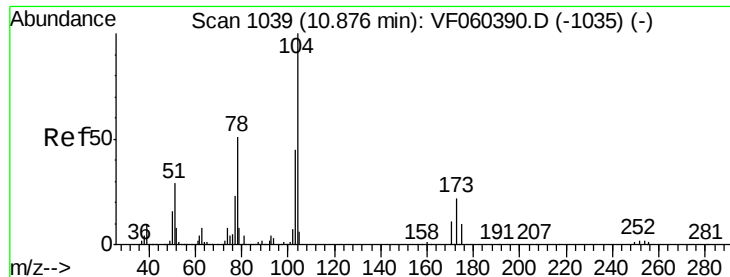
Tot Ion:106 Resp: 1109759
Ion Ratio Lower Upper
106 100
91 194.0 175.0 262.6



#69
o-Xylene
Concen: 86.901 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion:106 Resp: 606846
Ion Ratio Lower Upper
106 100
91 213.8 115.1 345.2

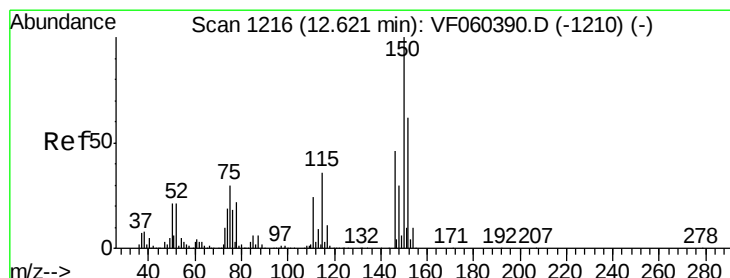
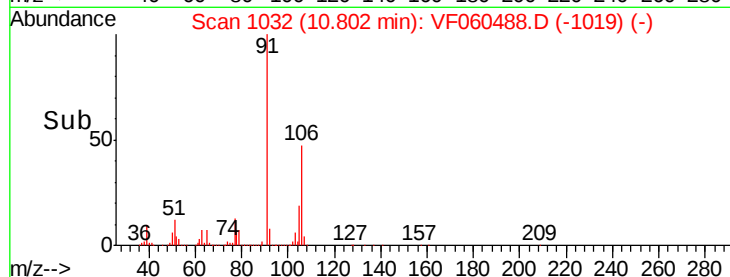
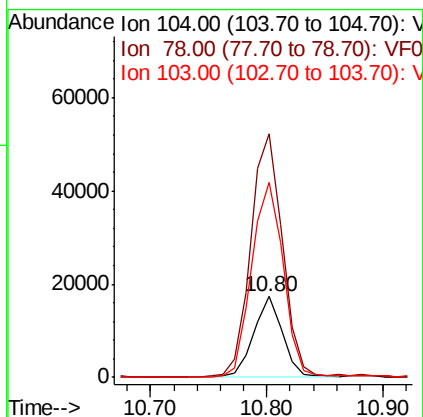
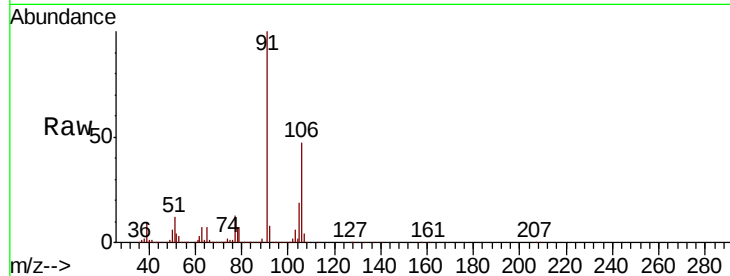




#70
Stvrene
Concen: 3.049 ug/l
RT: 10.80 min Scan# 1032
Delta R.T. -0.07 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

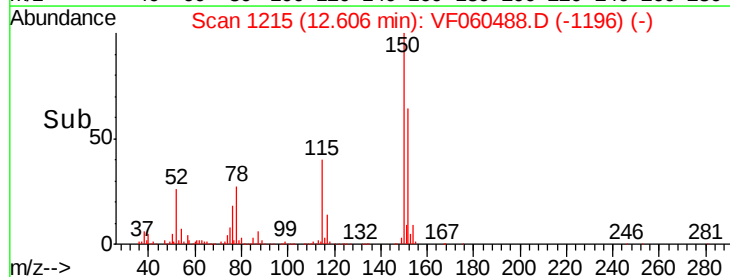
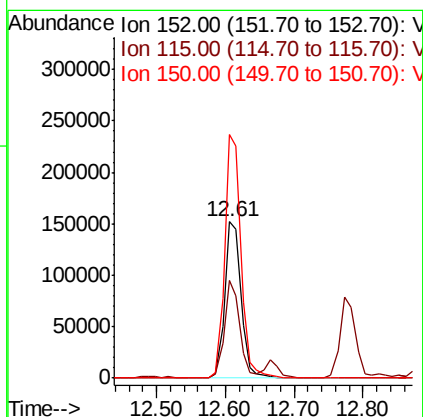
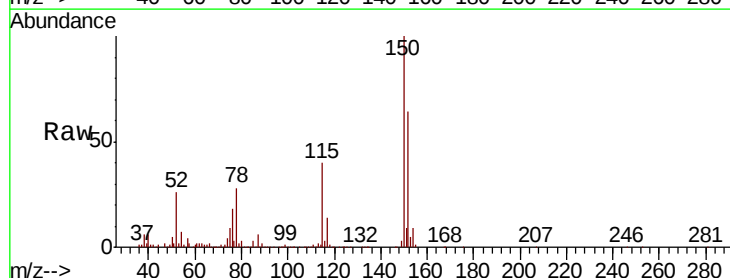
Instrument :
MSVOA_F
ClientSampleId :

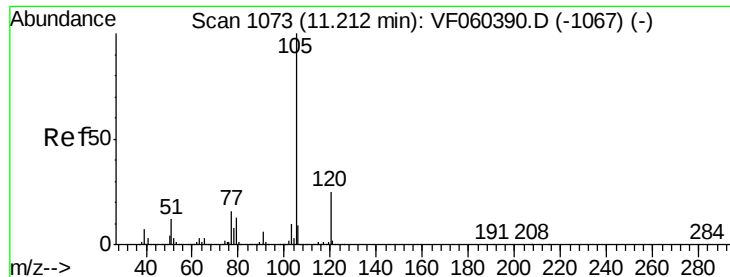
Tot Ion:104 Resp: 30282
Ion Ratio Lower Upper
104 100
78 301.1 41.0 61.4#
103 241.8 36.4 54.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion:152 Resp: 252145
Ion Ratio Lower Upper
152 100
115 62.8 28.6 85.8
150 155.6 0.0 324.6





#73

Isopropylbenzene

Concen: 3.837 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

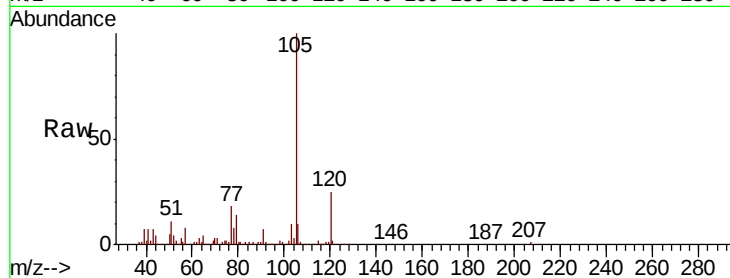
ClientSampleId :

Tot Ion:105 Resp: 76179

Ion Ratio Lower Upper

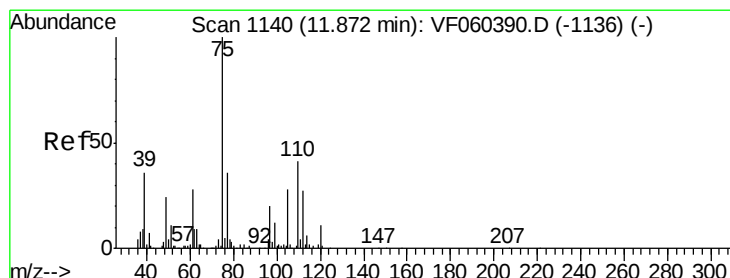
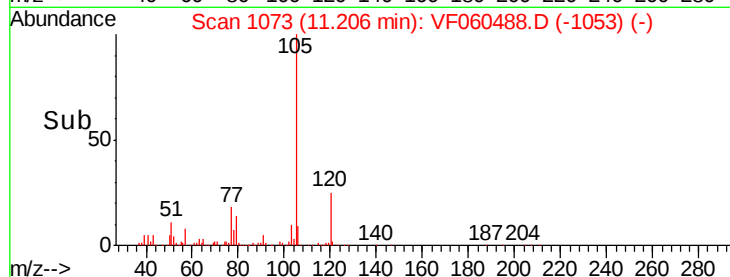
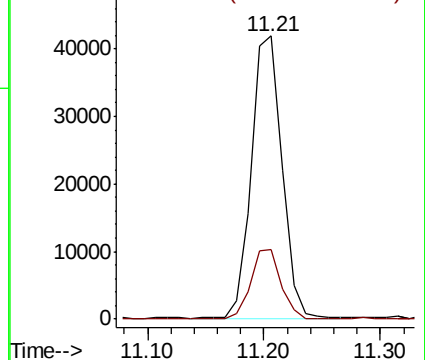
105 100

120 24.7 12.3 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 1.909 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060488.D

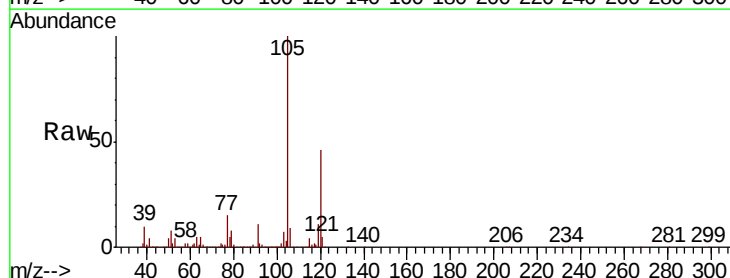
Acq: 8 Oct 2018 17:00

Tgt Ion: 75 Resp: 5086

Ion Ratio Lower Upper

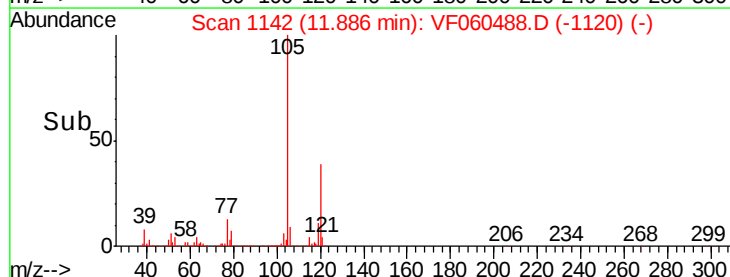
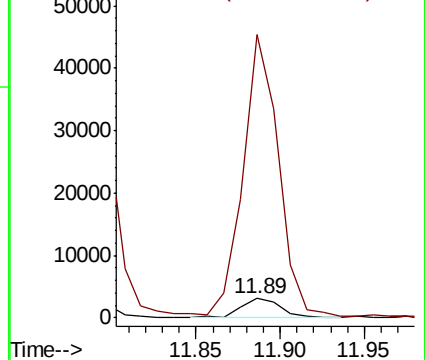
75 100

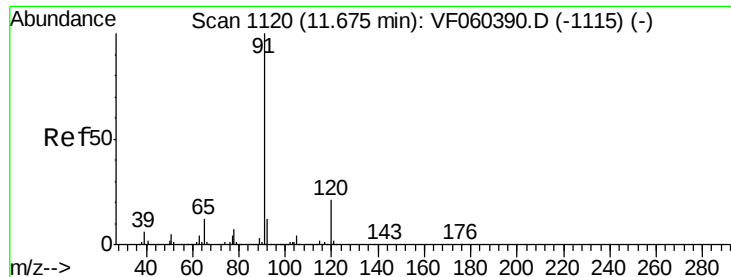
77 1482.9 18.1 54.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 8.665 ug/l

RT: 11.66 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

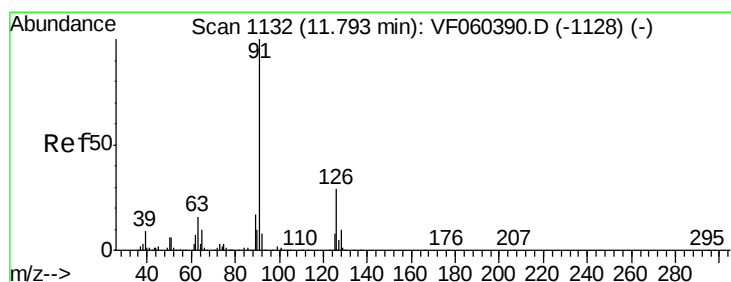
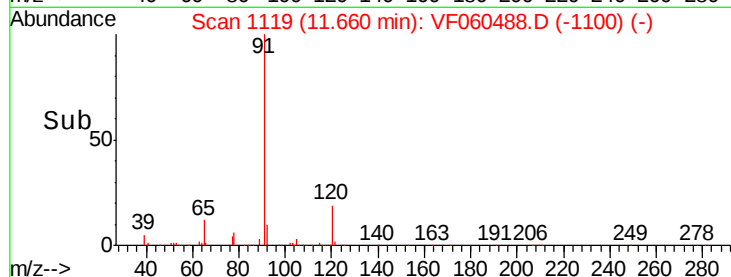
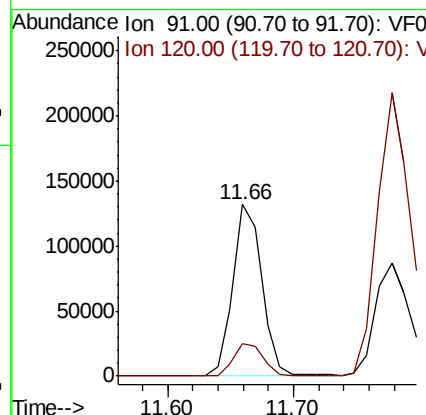
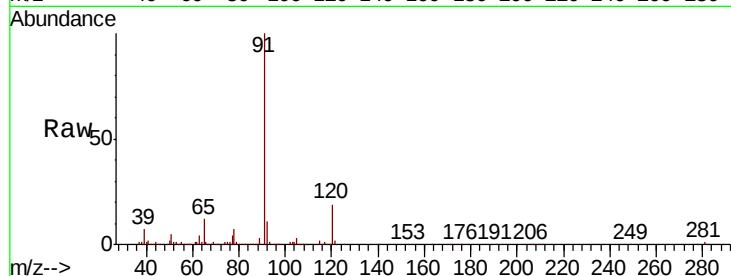
ClientSampleId :

Tot Ion: 91 Resp: 208557

Ion Ratio Lower Upper

91 100

120 18.8 10.5 31.6



#79

2-Chlorotoluene

Concen: 11.652 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060488.D

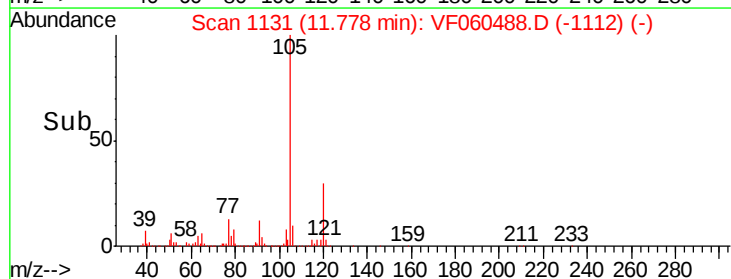
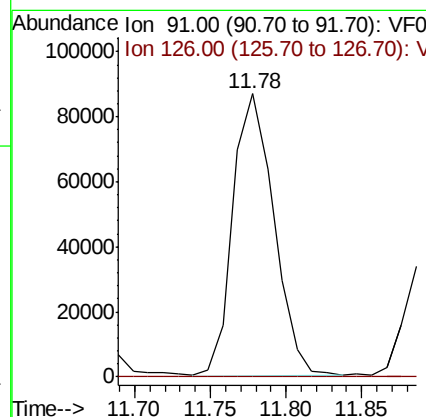
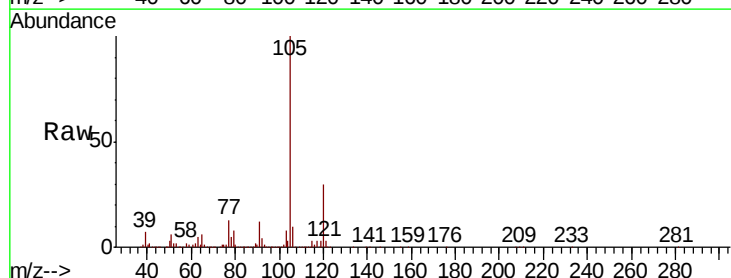
Acq: 8 Oct 2018 17:00

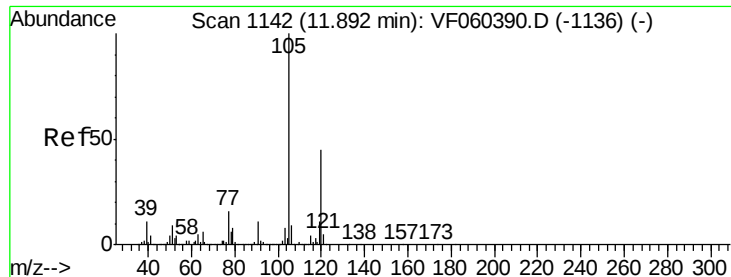
Tgt Ion: 91 Resp: 164050

Ion Ratio Lower Upper

91 100

126 0.0 14.4 43.4#





#80

1,3,5-Trimethylbenzene

Concen: 27.996 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

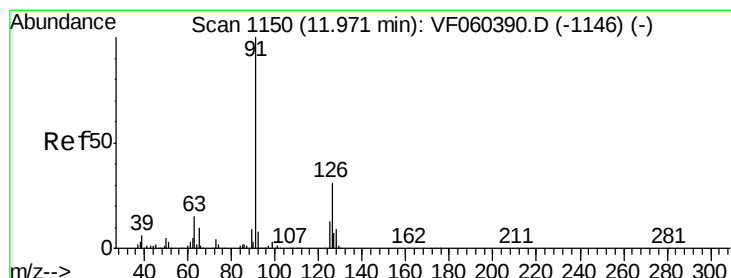
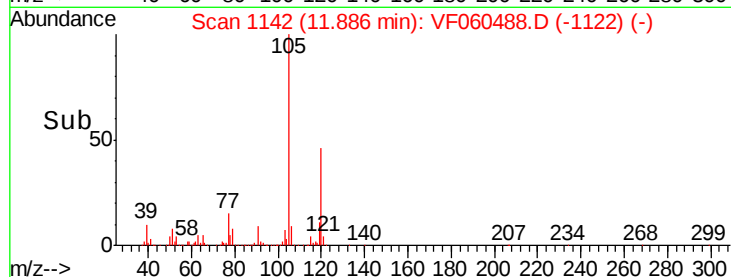
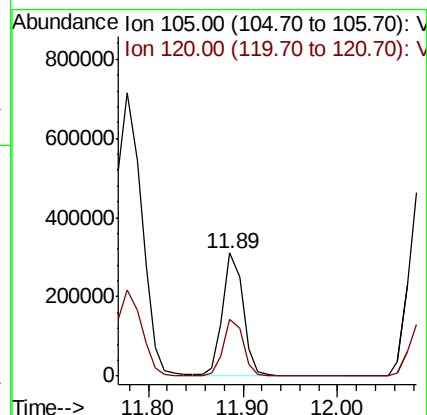
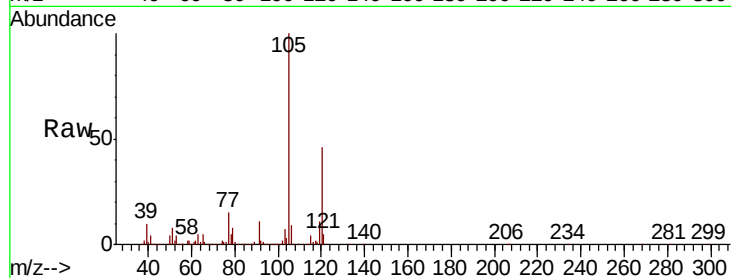
ClientSampleId :

Tot Ion:105 Resp: 472217

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.9



#82

4-Chlorotoluene

Concen: 3.393 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.08 min

Lab File: VF060488.D

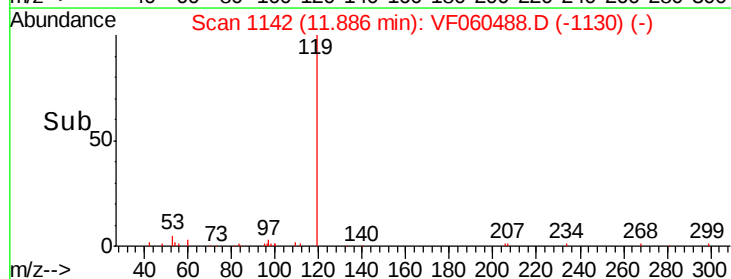
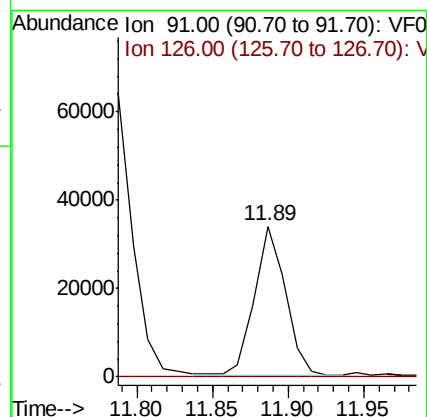
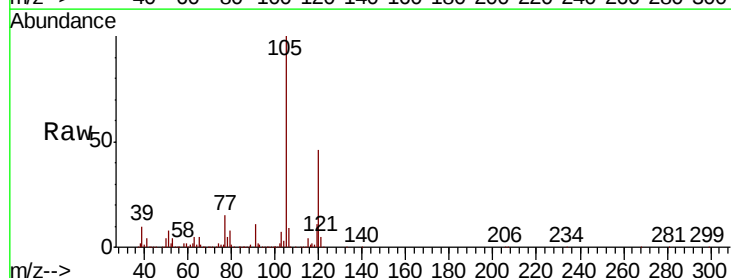
Acq: 8 Oct 2018 17:00

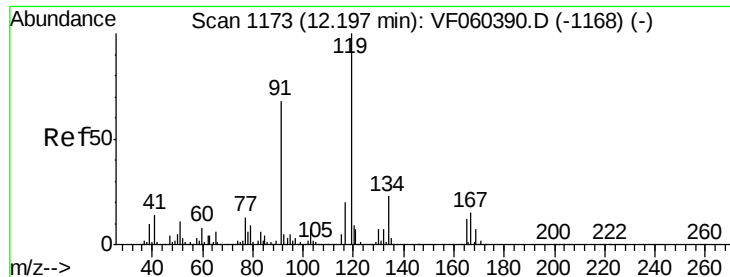
Tgt Ion: 91 Resp: 48878

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.0#





#83

tert-Butylbenzene

Concen: 10.725 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. 0.07 min

Lab File: VF060488.D

Acq: 8 Oct 2018 17:00

Instrument :

MSVOA_F

ClientSampleId :

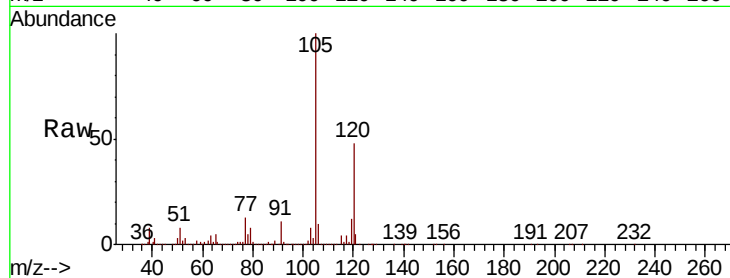
Tot Ion:119 Resp: 178425

Ion Ratio Lower Upper

119 100

91 89.7 34.0 102.0

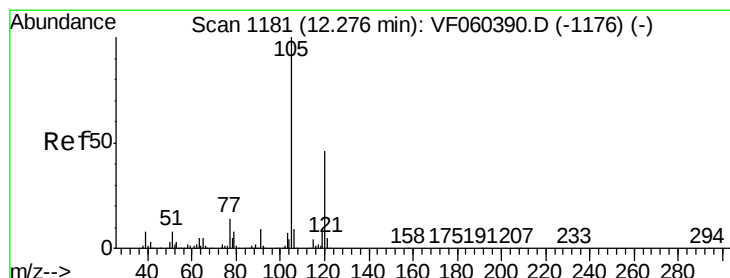
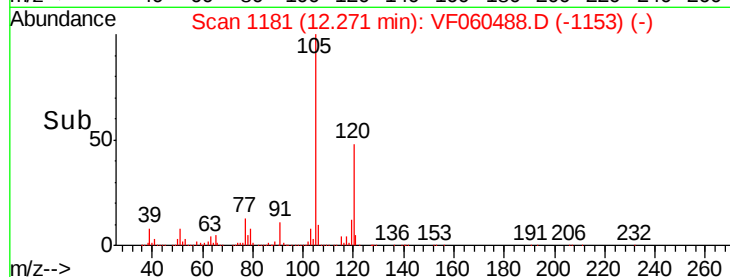
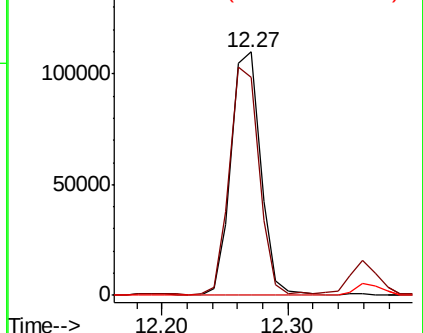
134 0.0 11.7 35.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 90.100 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VF060488.D

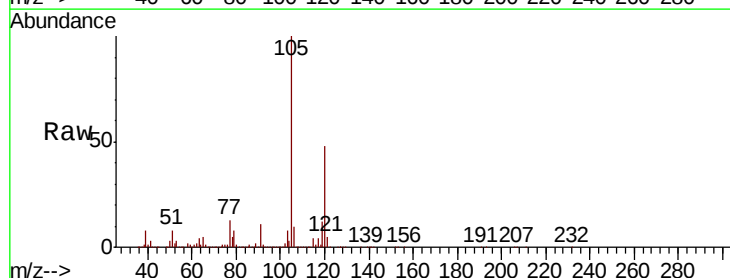
Acq: 8 Oct 2018 17:00

Tgt Ion:105 Resp: 1507193

Ion Ratio Lower Upper

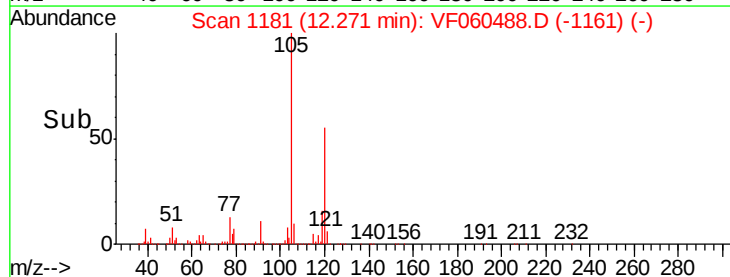
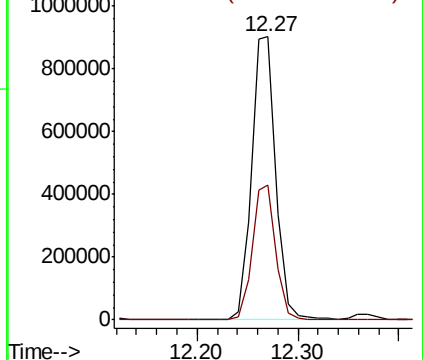
105 100

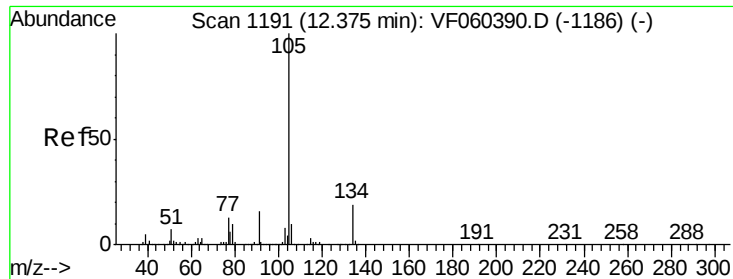
120 47.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

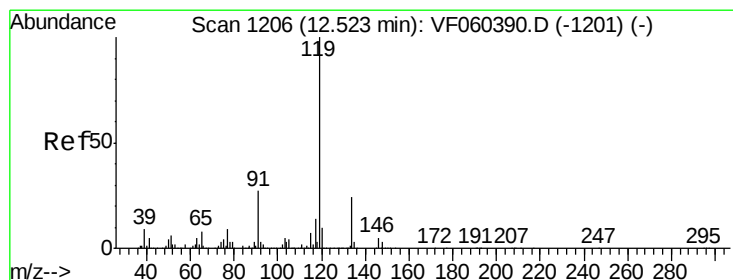
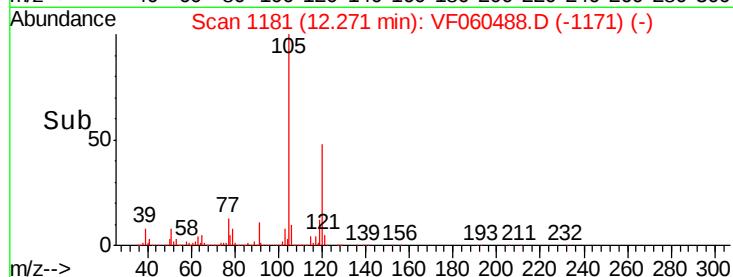
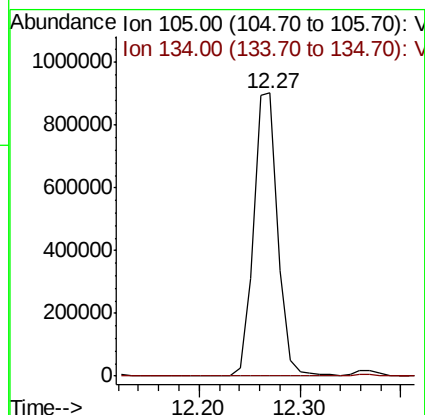
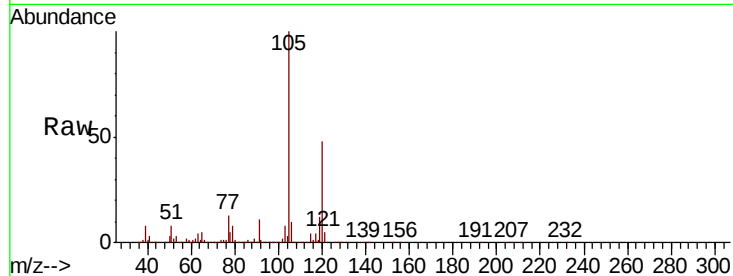




#85
 sec-Butylbenzene
 Concen: 65.633 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.10 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

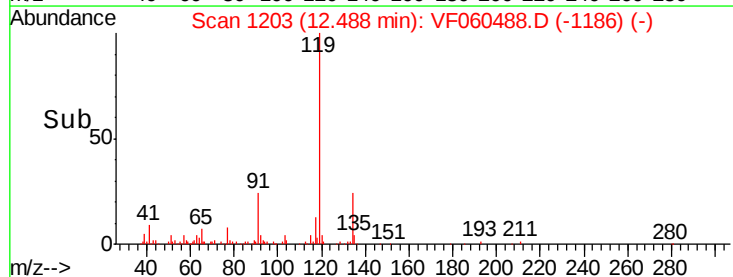
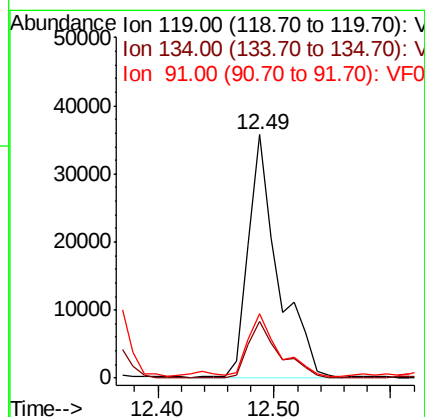
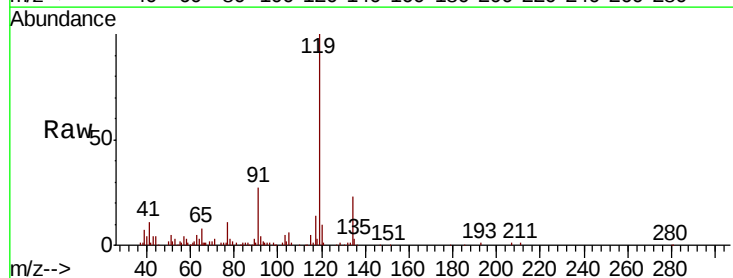
Instrument :
 MSVOA_F
 ClientSampled :

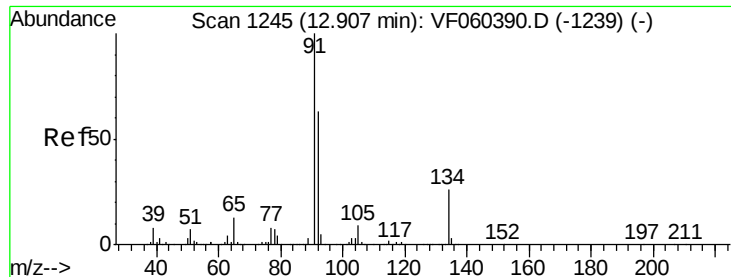
Tot Ion:105 Resp: 1507193
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#



#86
 p-Isopropyltoluene
 Concen: 3.400 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: VF060488.D
 Acq: 8 Oct 2018 17:00

Tgt Ion:119 Resp: 63792
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.3 36.8
 91 26.6 13.5 40.4

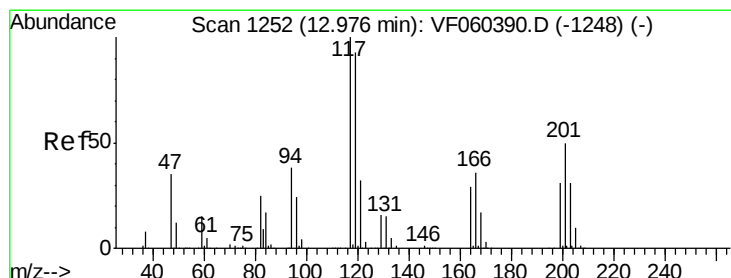
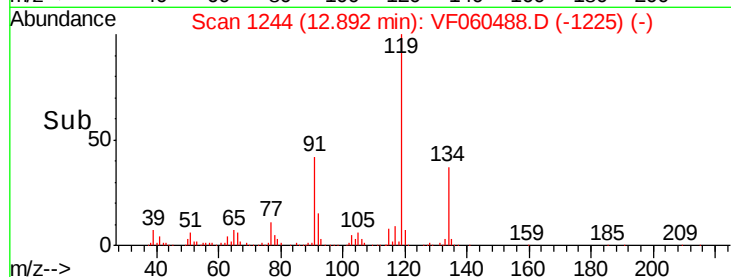
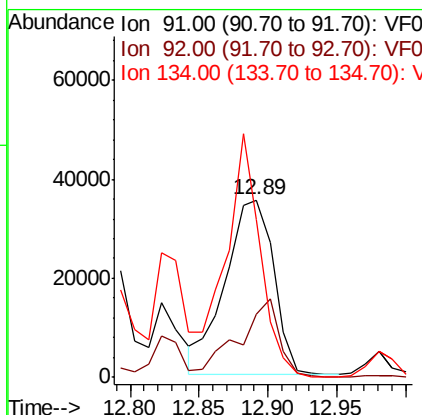
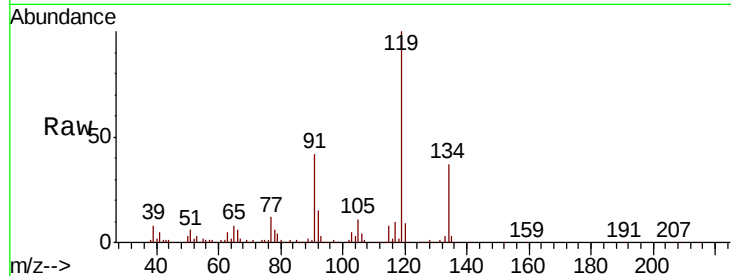




#89
n-Butylbenzene
Concen: 4.383 ug/l
RT: 12.89 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

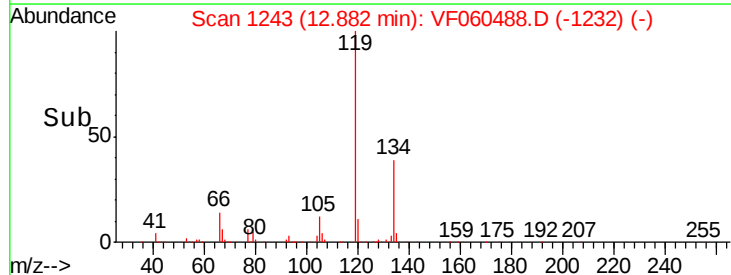
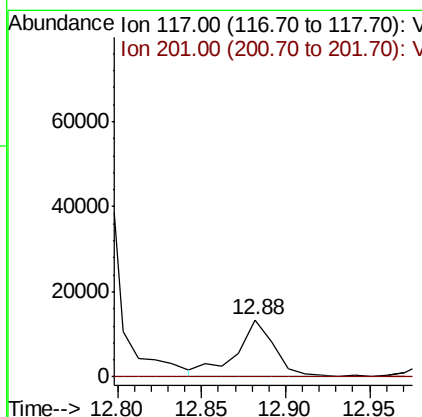
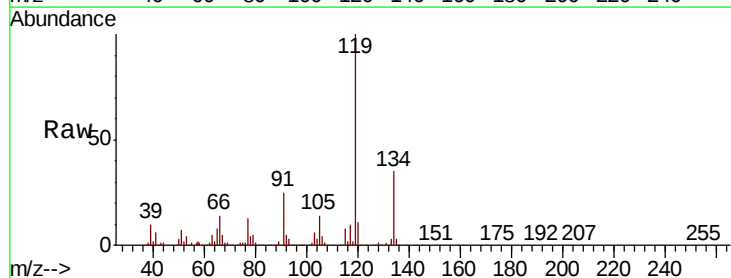
Instrument :
MSVOA_F
ClientSampleId :

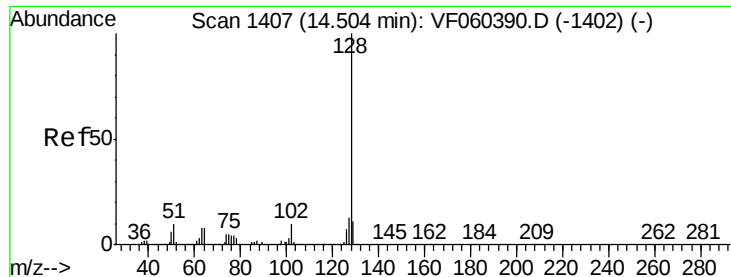
Tot Ion: 91 Resp: 87016
Ion Ratio Lower Upper
91 100
92 35.6 31.3 93.9
134 88.8 13.0 38.9#



#90
Hexachloroethane
Concen: 4.191 ug/l
RT: 12.88 min Scan# 1243
Delta R.T. -0.09 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Tgt Ion: 117 Resp: 20324
Ion Ratio Lower Upper
117 100
201 0.0 25.5 76.5#





#95
Naphthalene
Concen: 30.260 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.01 min
Lab File: VF060488.D
Acq: 8 Oct 2018 17:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.0	15.0
129	11.3	8.7	13.1

