

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060526.D
 Acq On : 26 Oct 2018 19:51
 Operator : VA/AP
 Sample : J5204-09RE
 Misc : 6.6/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-102518-A

Quant Time: Oct 27 01:52:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

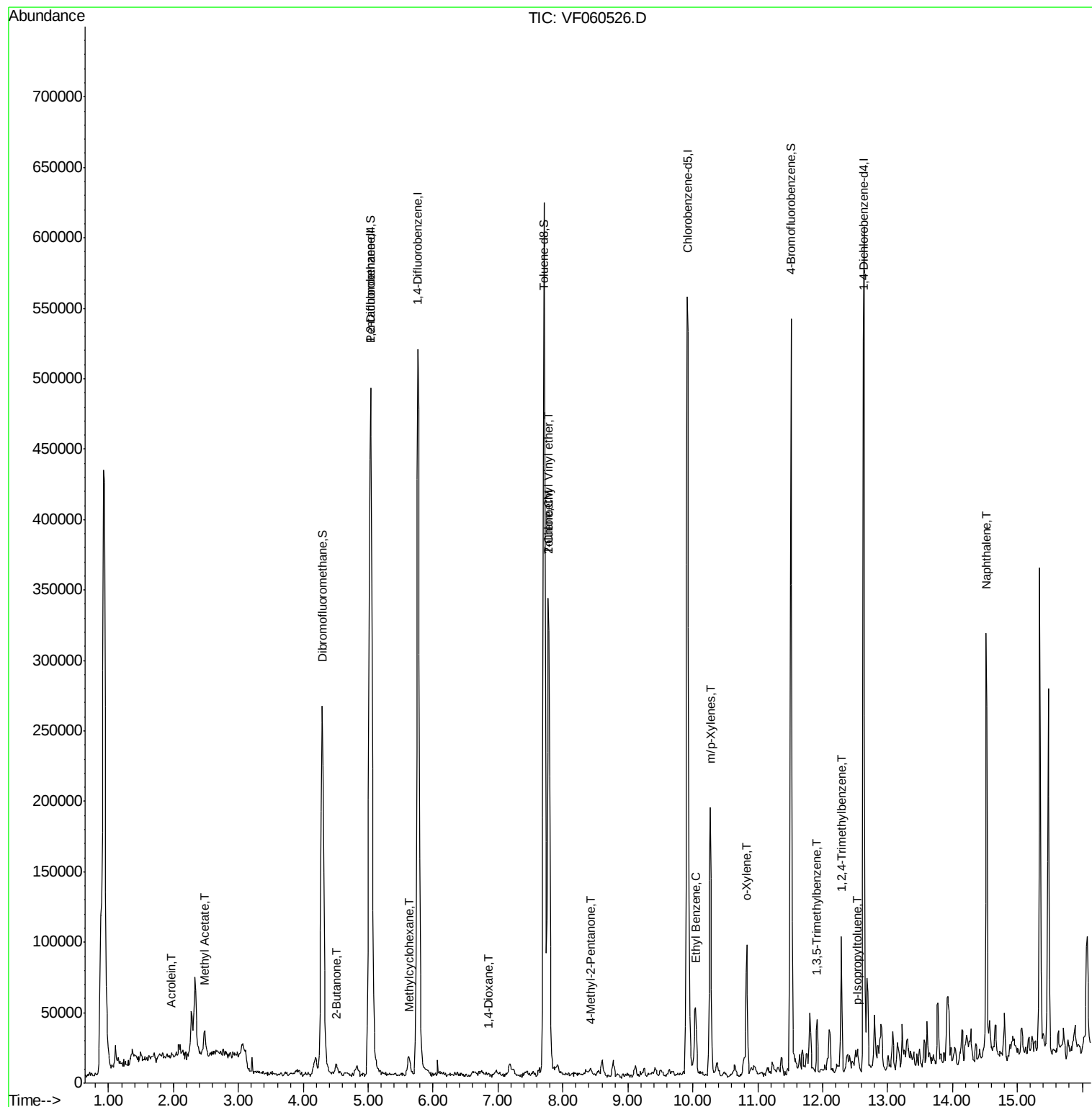
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	338454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	556937	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	394668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	153749	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	232332	34.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.08%	
35) Dibromofluoromethane	4.30	113	245879	36.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.66%	
50) Toluene-d8	7.71	98	533152	39.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.60%	
62) 4-Bromofluorobenzene	11.51	95	185085	24.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	482	Below Cal		99
11) Tert butyl alcohol	2.68	59	1452	Below Cal	#	75
13) Acrolein	1.98	56	1787	5.973	ug/l	91
16) Acetone	2.28	43	3484	Below Cal		99
18) Methyl Acetate	2.48	43	9374	4.243	ug/l	# 64
25) 2-Butanone	4.51	43	16028	13.417	ug/l	96
29) Tetrahydrofuran	4.26	42	985	Below Cal	#	52
37) Ethyl Acetate	4.26	43	328	Below Cal	#	1
39) Methylcyclohexane	5.62	83	7411	1.102	ug/l	# 76
49) 1,4-Dioxane	6.86	88	77	4.173	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.42	43	6122	2.759	ug/l	# 84
52) Toluene	7.78	92	182822	20.502	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	30028	72.117	ug/l	100
59) 2-Hexanone	9.65	43	4808	Below Cal		79
67) Ethyl Benzene	10.04	91	40067	2.365	ug/l	92
68) m/p-Xylenes	10.27	106	59074	11.106	ug/l	94
69) o-Xylene	10.83	106	24168	4.050	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	18023	1.680	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	45311	4.262	ug/l	96
86) p-Isopropyltoluene	12.54	119	13836	1.120	ug/l	95
95) Naphthalene	14.52	128	207070	32.482	ug/l	99

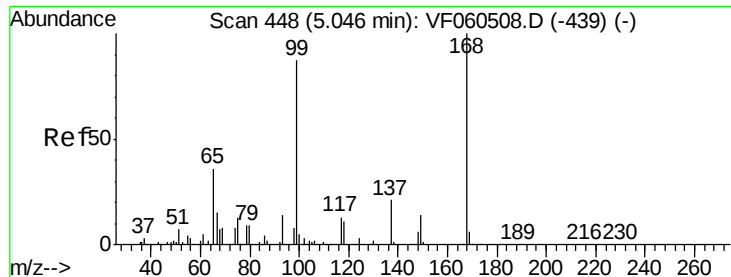
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

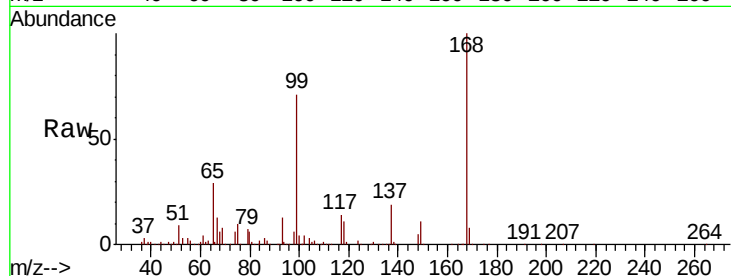
SU-02-102518-A

Tot Ion:168 Resp: 338454

Ion Ratio Lower Upper

168 100

99 71.0 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

120000

100000

80000

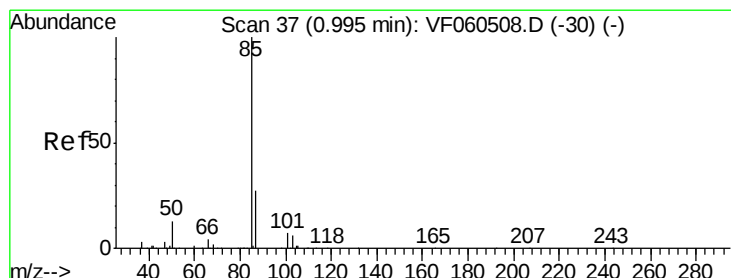
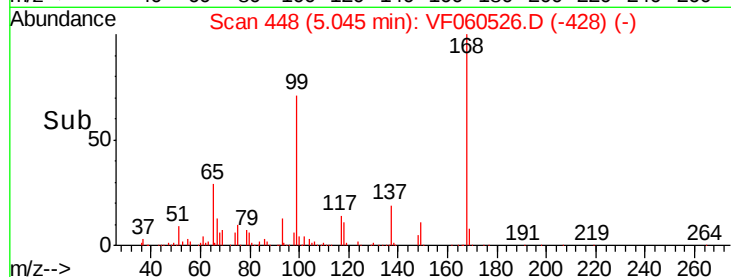
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060526.D

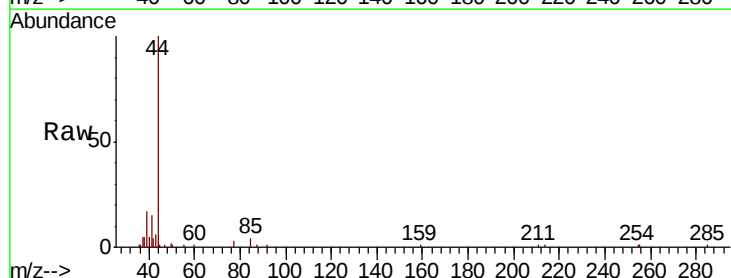
Acq: 26 Oct 2018 19:51

Tgt Ion: 85 Resp: 482

Ion Ratio Lower Upper

85 100

87 27.7 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

500

400

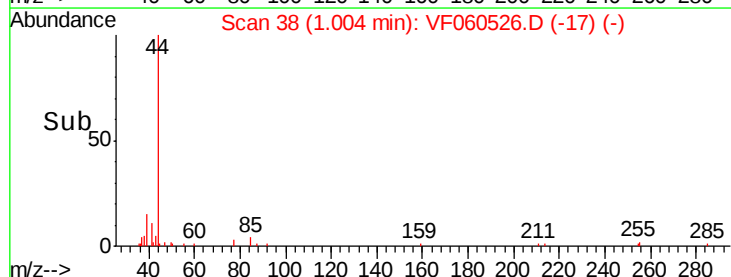
300

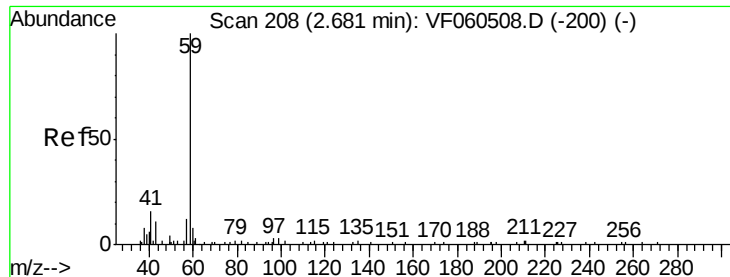
200

100

0

Time-->



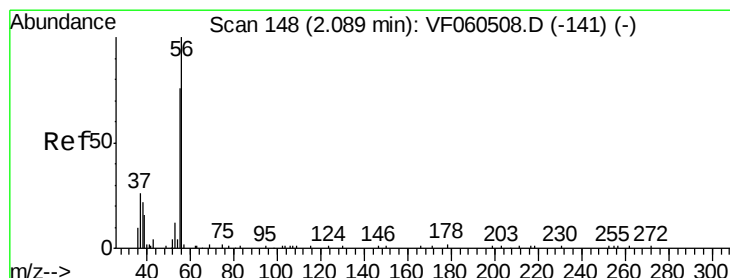
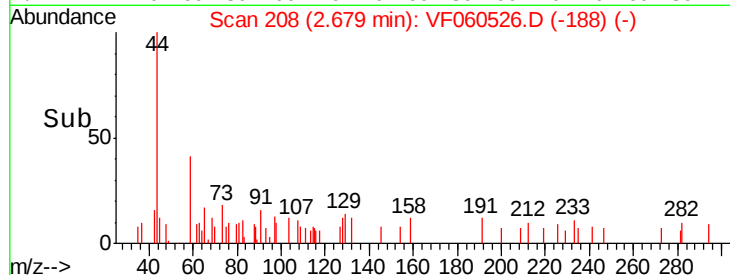
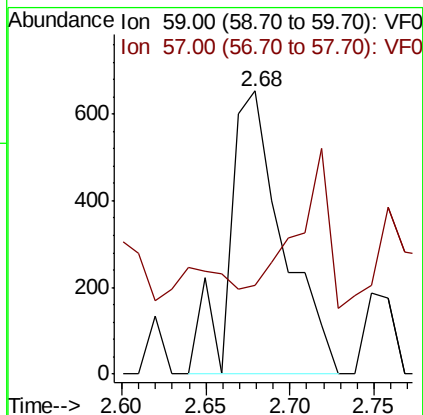
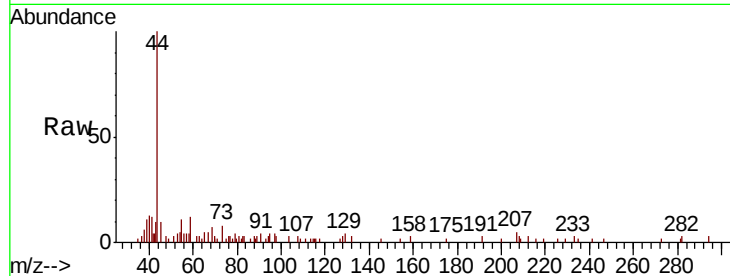


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.68 min Scan# 208
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

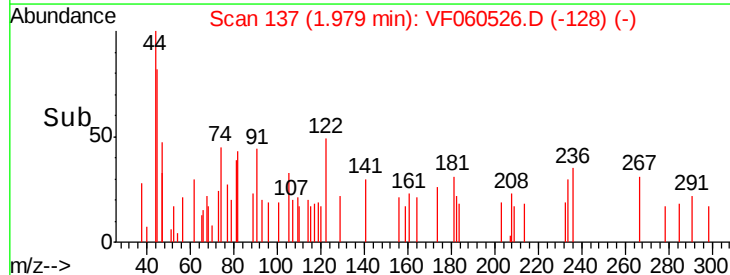
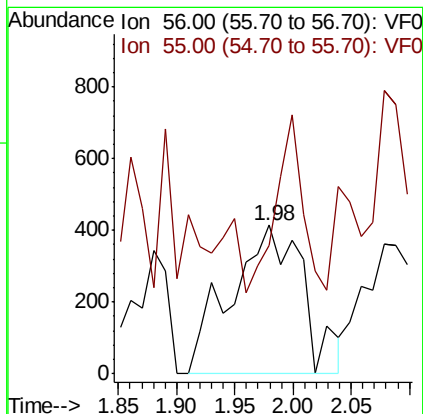
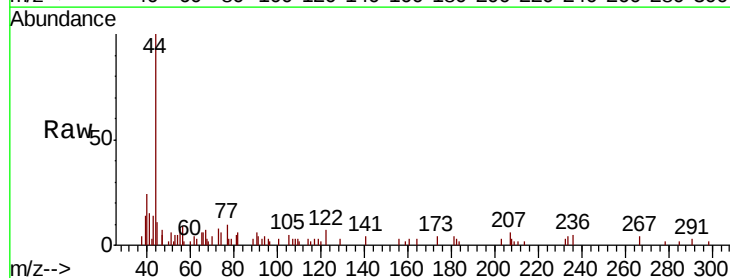
Tot Ion: 59 Resp: 1452
Ion Ratio Lower Upper
59 100
57 31.2 15.8 23.8#

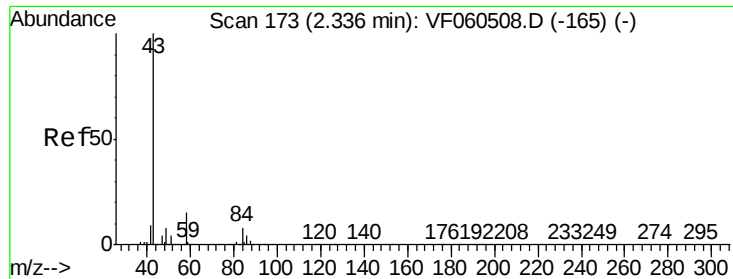


#13

Acrolein
Concen: 5.973 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.11 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 56 Resp: 1787
Ion Ratio Lower Upper
56 100
55 86.2 63.0 94.4

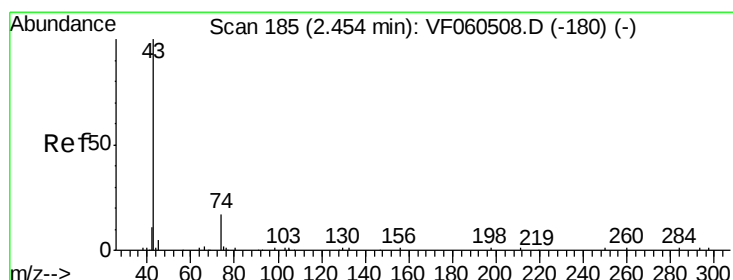
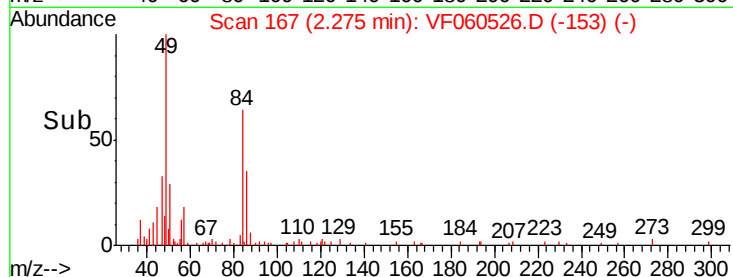
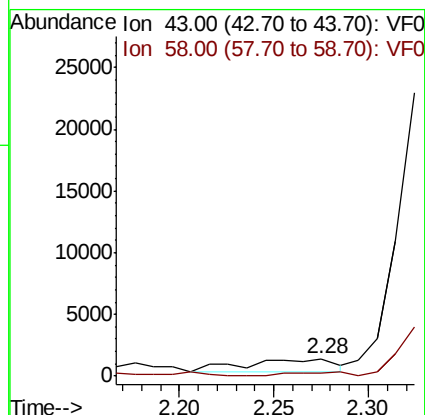
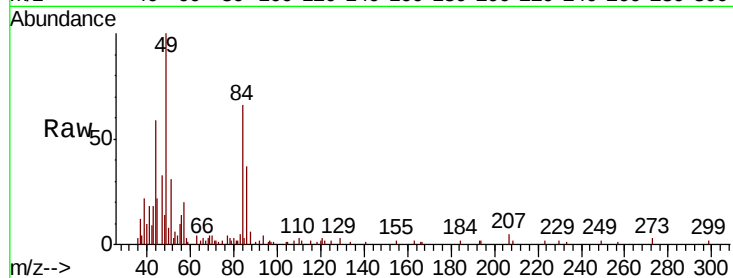




#16
Acetone
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. -0.06 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

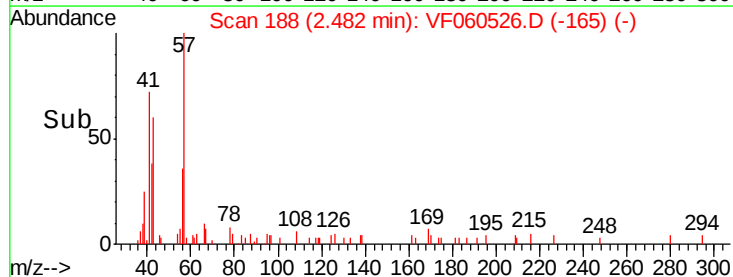
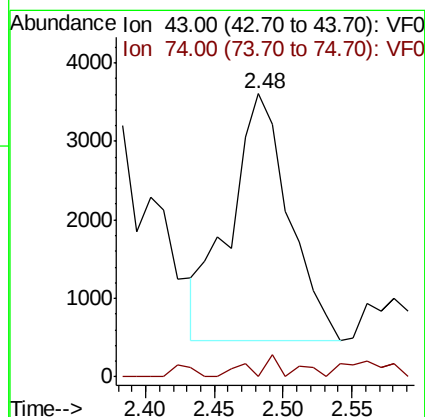
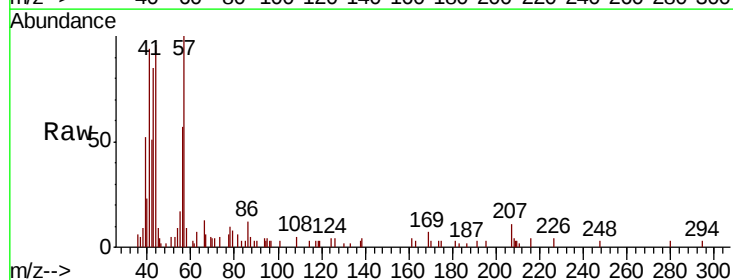
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

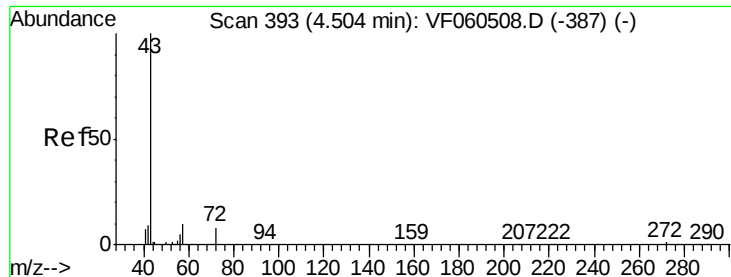
Tot Ion: 43 Resp: 3484
Ion Ratio Lower Upper
43 100
58 14.0 11.7 17.5



#18
Methyl Acetate
Concen: 4.243 ug/l
RT: 2.48 min Scan# 188
Delta R.T. 0.03 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 43 Resp: 9374
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#





#25

2-Butanone

Concen: 13.417 ug/l

RT: 4.51 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

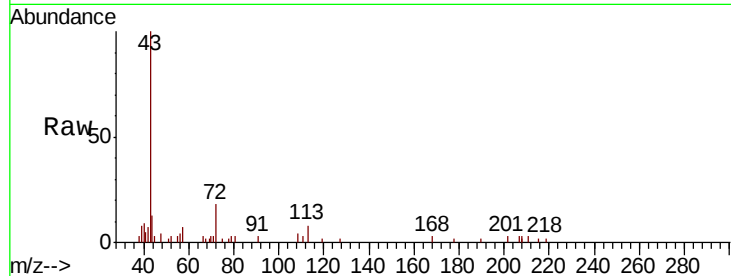
SU-02-102518-A

Tot Ion: 43 Resp: 16028

Ion Ratio Lower Upper

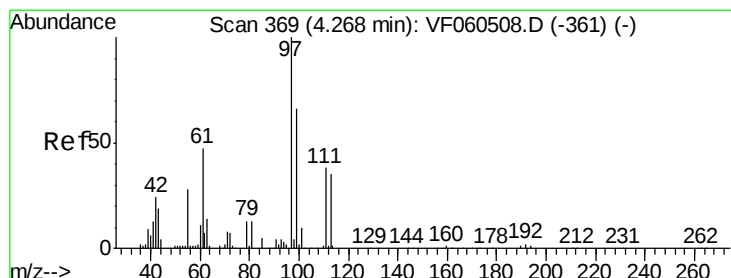
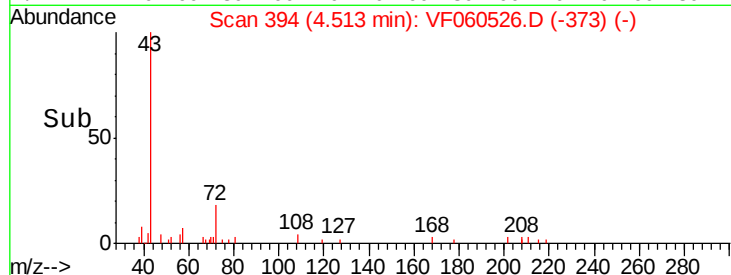
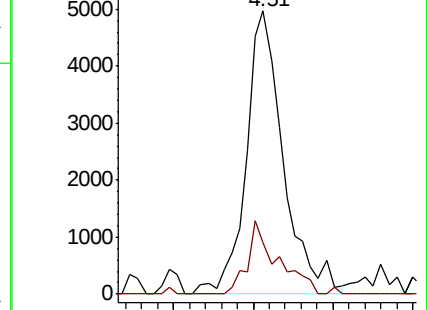
43 100

72 18.1 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

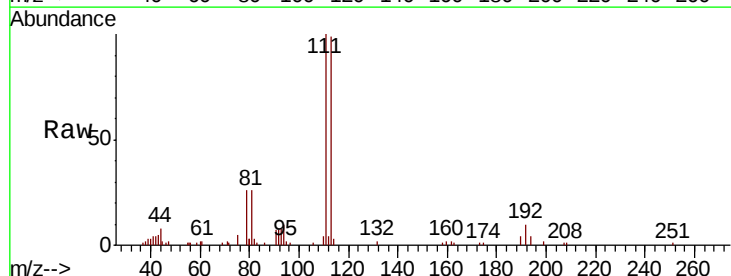
Tgt Ion: 42 Resp: 985

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

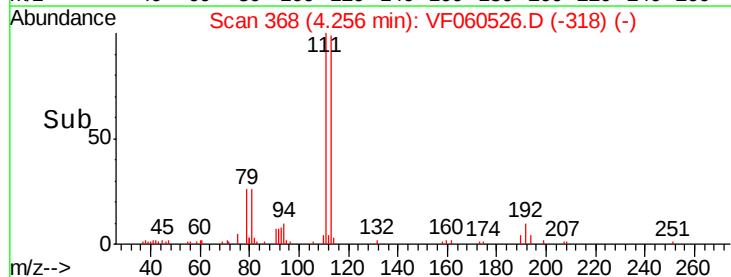
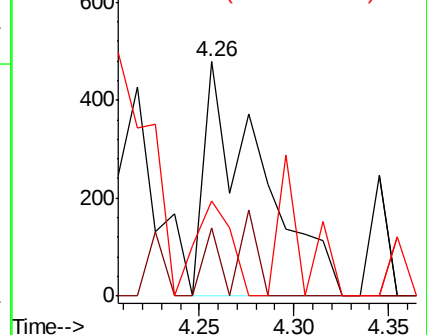
71 19.9 29.7 44.5#

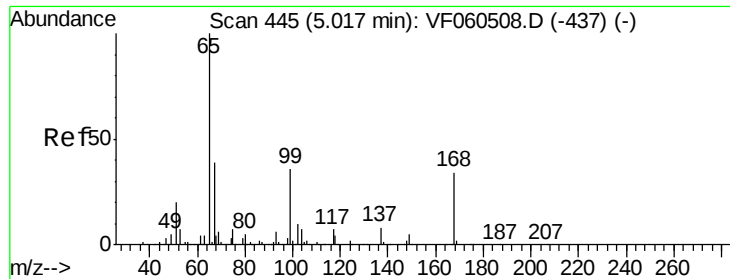


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

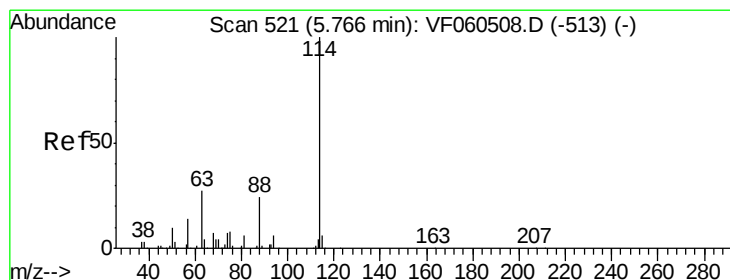
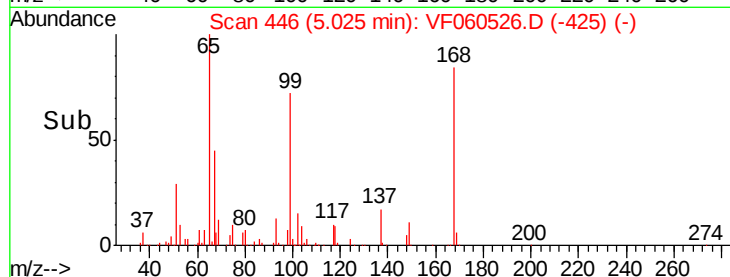
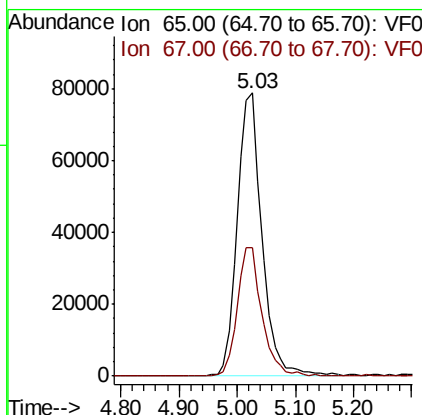
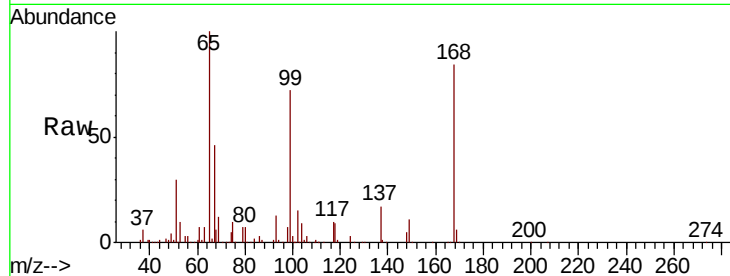




#33
 1,2-Dichloroethane-d4
 Concen: 34.537 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

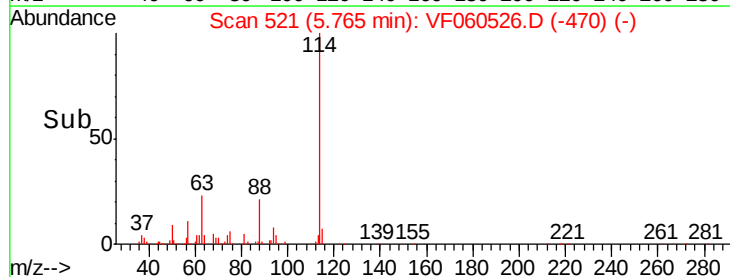
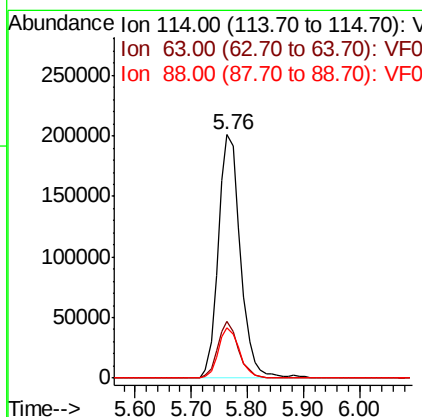
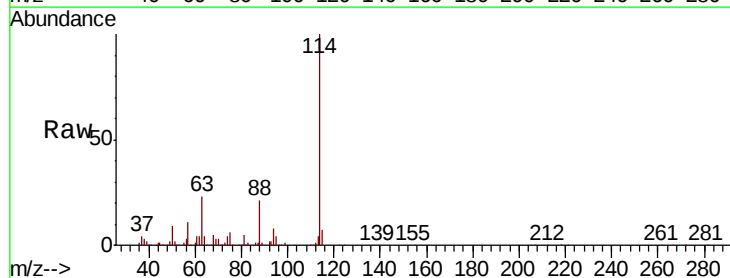
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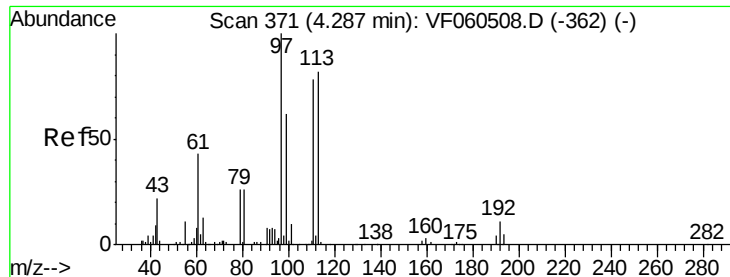
Tot Ion: 65 Resp: 232332
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

Tgt Ion: 114 Resp: 556937
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 54.4
 88 20.9 0.0 47.2

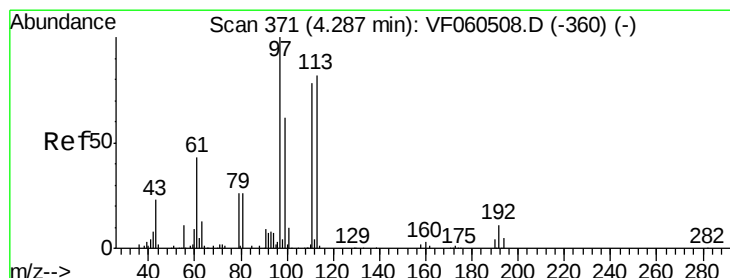
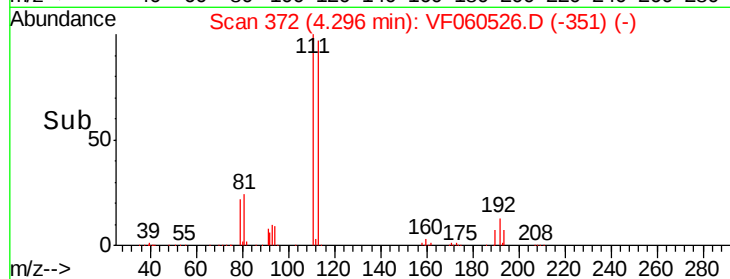
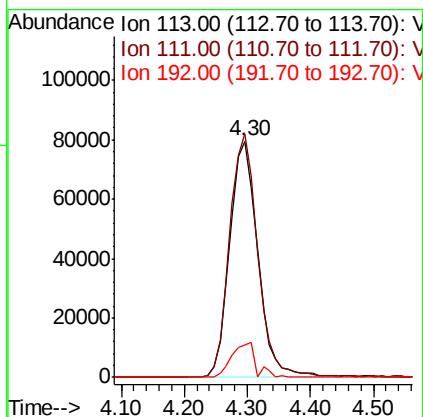
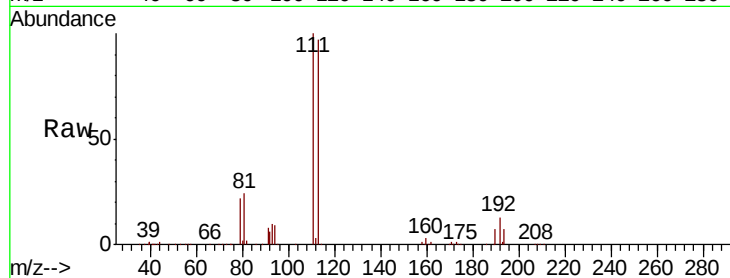




#35
 Dibromofluoromethane
 Concen: 36.831 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

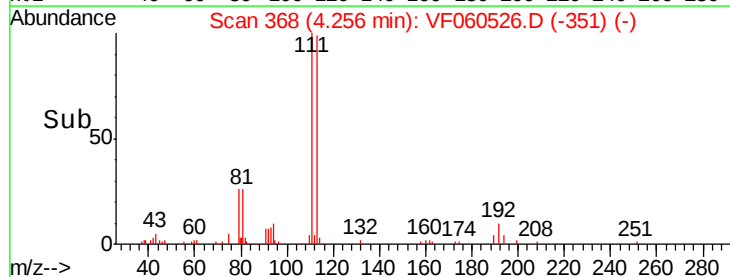
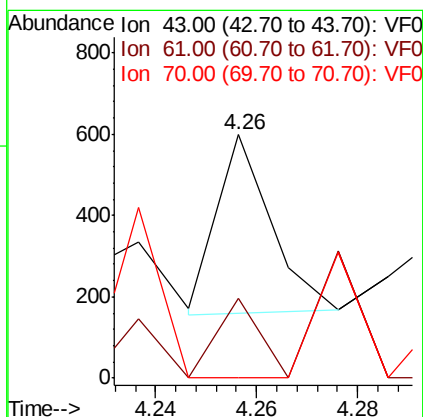
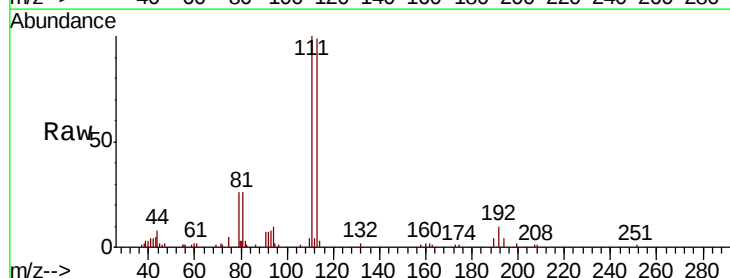
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 SU-02-102518-A

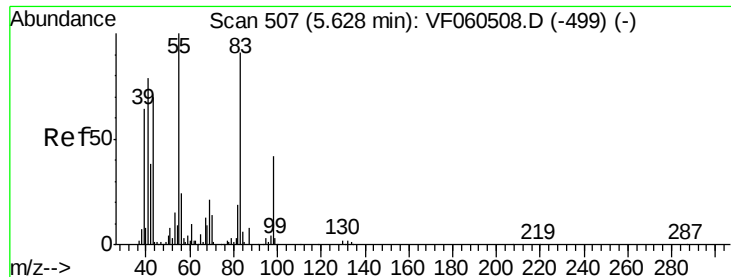
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	75.9	113.9
192	13.6	10.6	15.8



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.26 min Scan# 368
 Delta R.T. -0.03 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.9	148.5	222.7#
70	0.0	4.7	7.1#

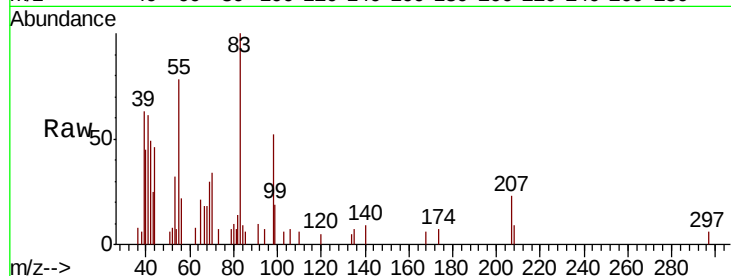




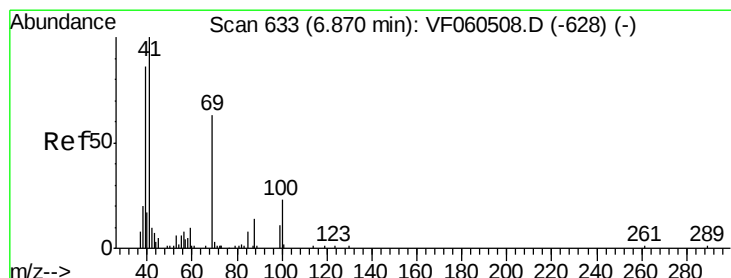
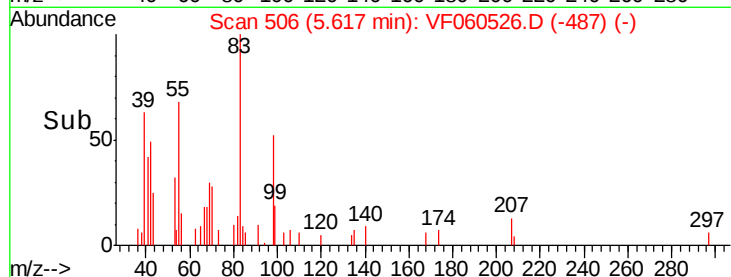
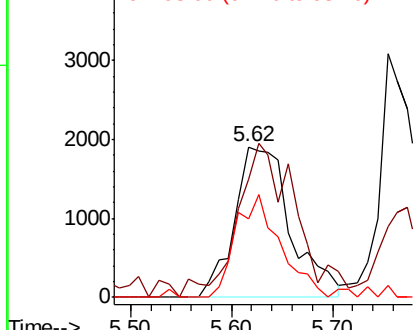
#39
Methvlcvclohexane
Concen: 1.102 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

Tot Ion: 83 Resp: 7411
Ion Ratio Lower Upper
83 100
55 78.1 87.9 131.9#
98 52.3 37.0 55.6

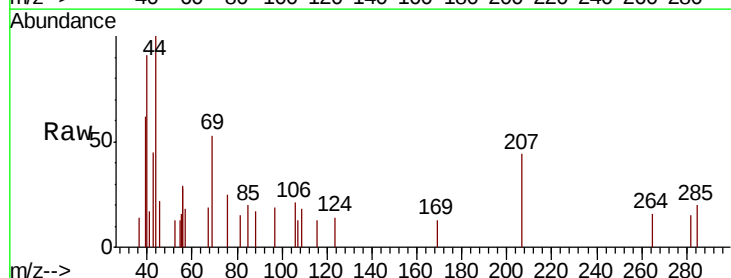


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

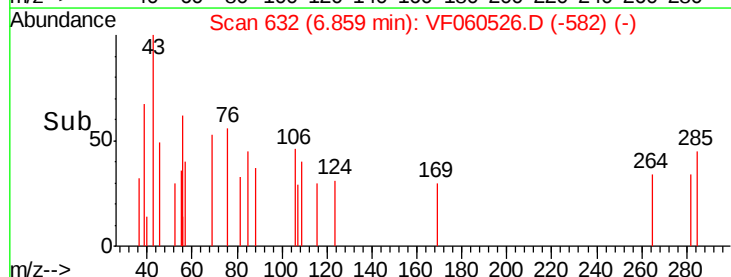
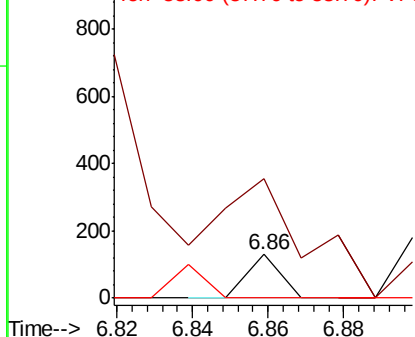


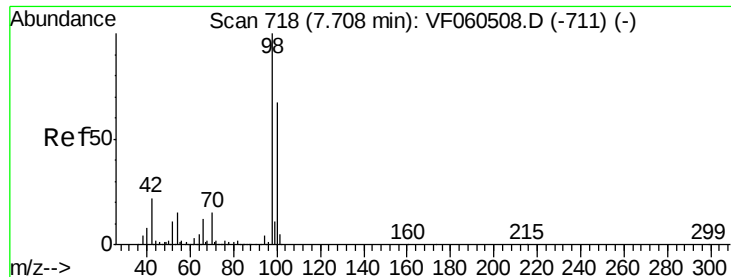
#49
1,4-Dioxane
Concen: 4.173 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 272.3 39.3 58.9#
58 0.0 35.0 52.6#



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

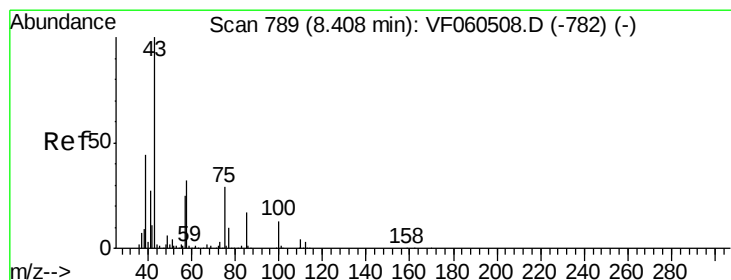
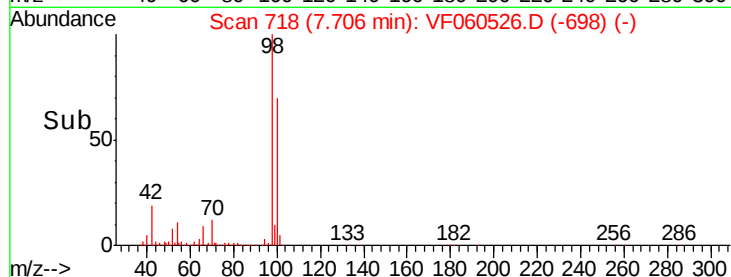
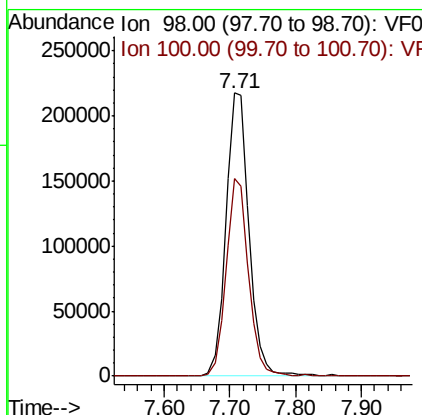
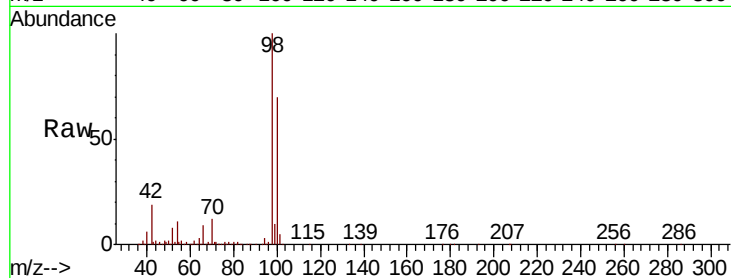




#50
Toluene-d8
Concen: 39.795 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

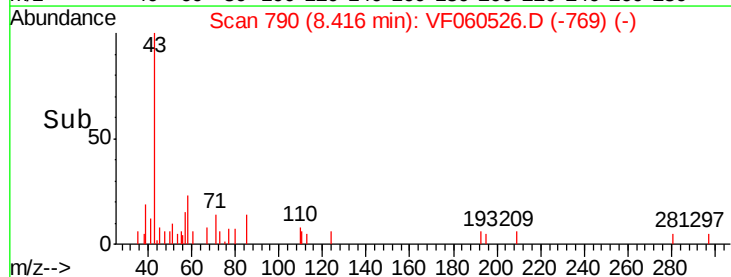
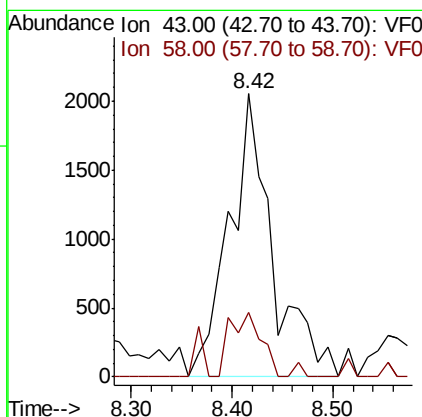
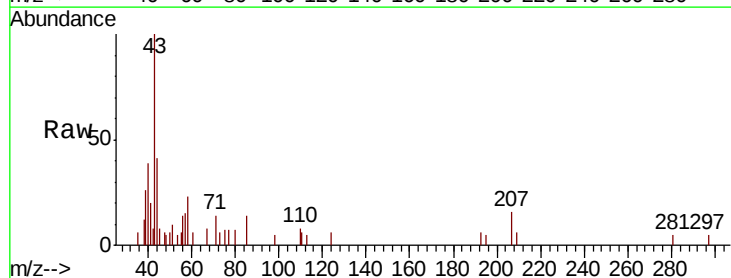
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

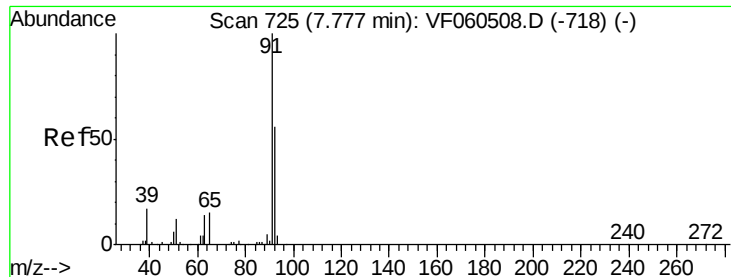
Tot Ion: 98 Resp: 533152
Ion Ratio Lower Upper
98 100
100 69.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.759 ug/l
RT: 8.42 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 43 Resp: 6122
Ion Ratio Lower Upper
43 100
58 22.8 25.4 38.2#





#52

Toluene

Concen: 20.502 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

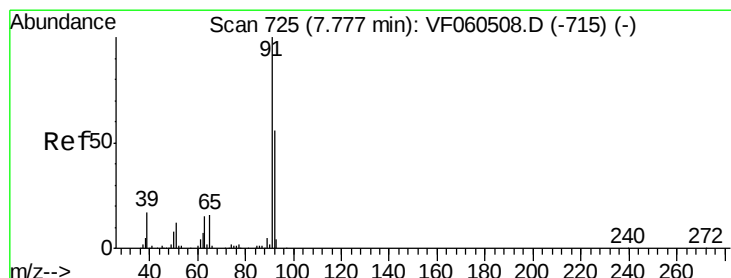
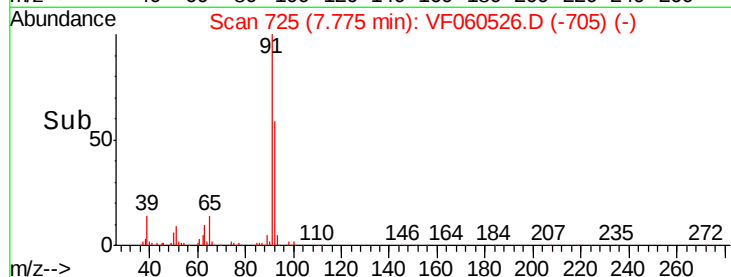
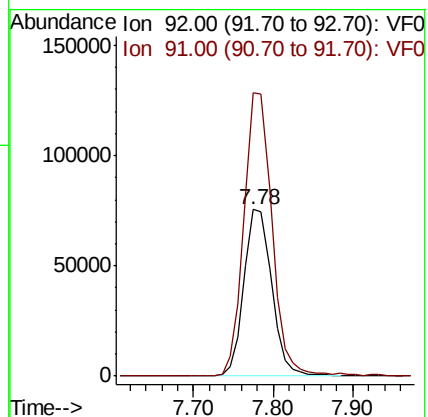
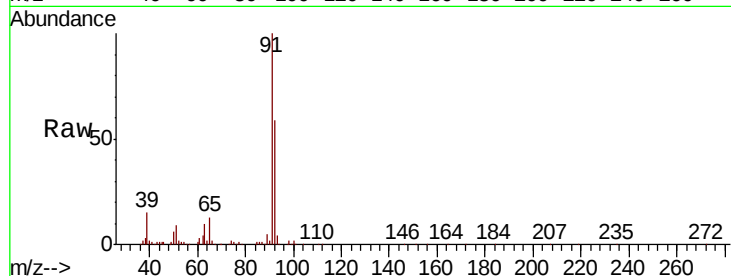
SU-02-102518-A

Tot Ion: 92 Resp: 182822

Ion Ratio Lower Upper

92 100

91 169.7 143.8 215.8



#58

2-Chloroethyl Vinyl ether

Concen: 72.117 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060526.D

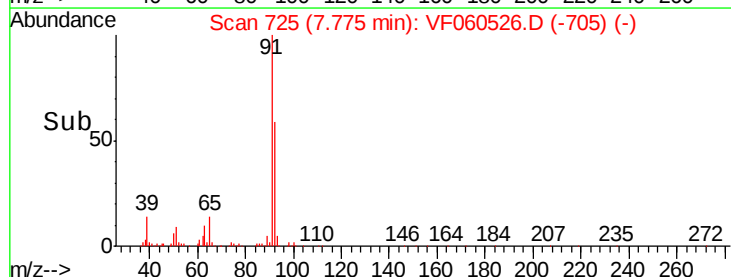
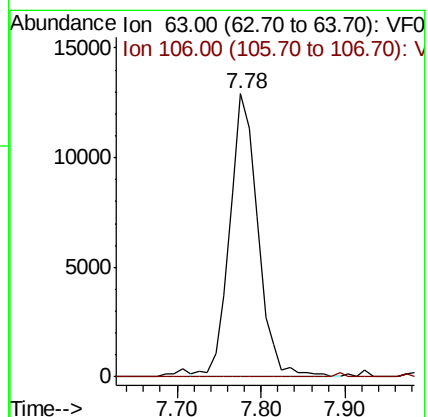
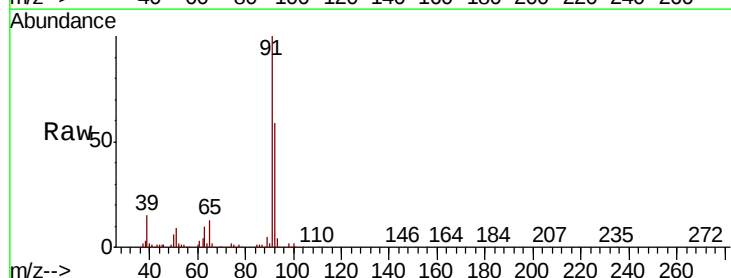
Acq: 26 Oct 2018 19:51

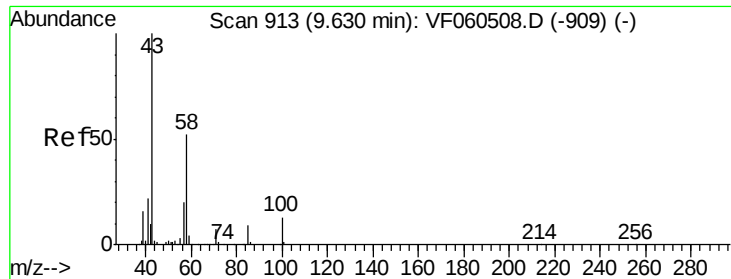
Tgt Ion: 63 Resp: 30028

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

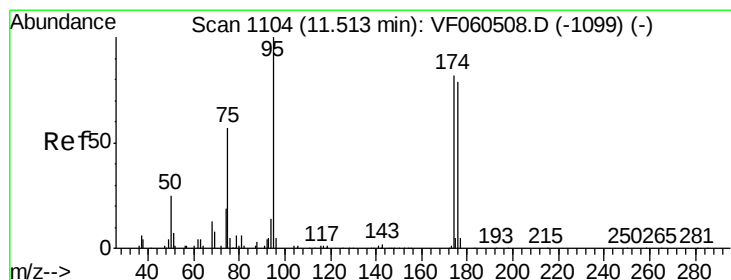
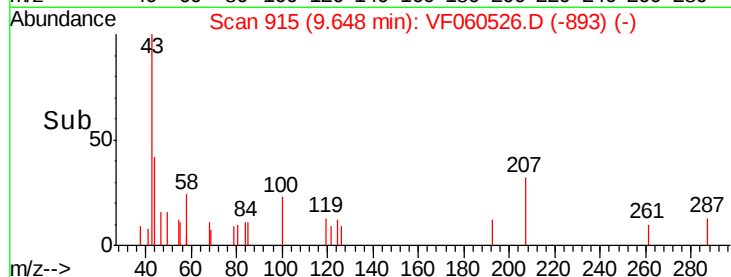
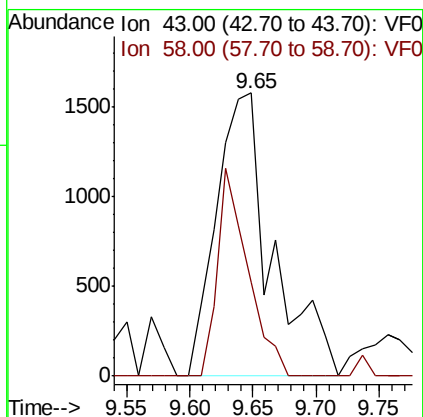
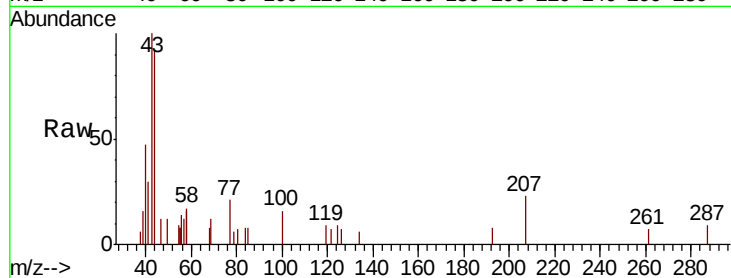




#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 915
Delta R.T. 0.02 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

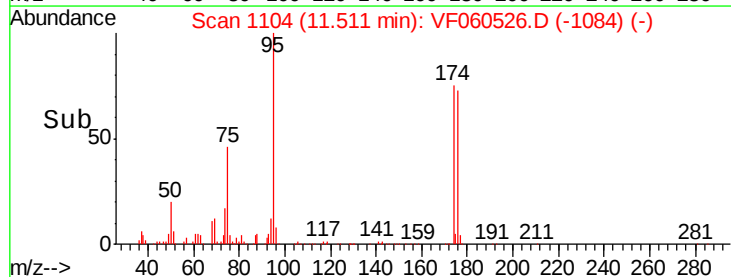
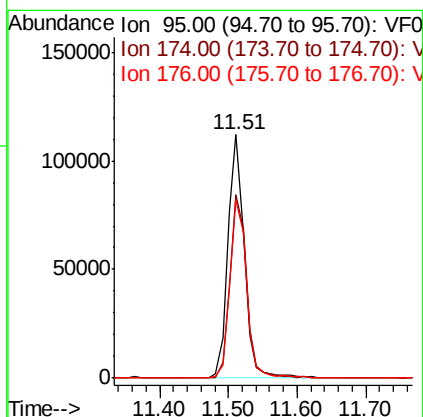
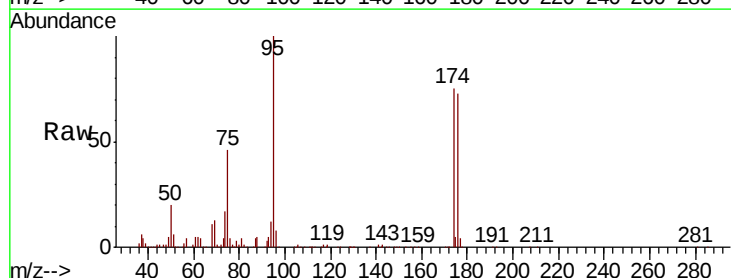
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

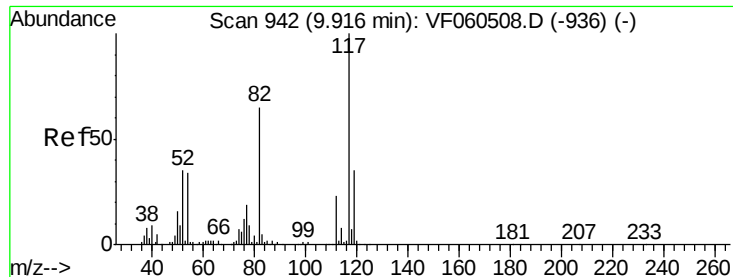
Tot Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
58 33.0 23.5 70.5



#62
4-Bromofluorobenzene
Concen: 24.804 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 95 Resp: 185085
Ion Ratio Lower Upper
95 100
174 75.2 0.0 164.2
176 73.1 0.0 158.4

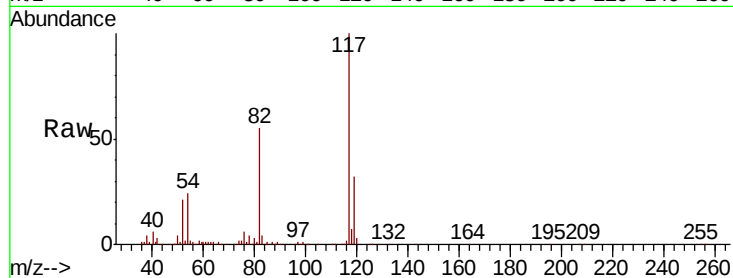




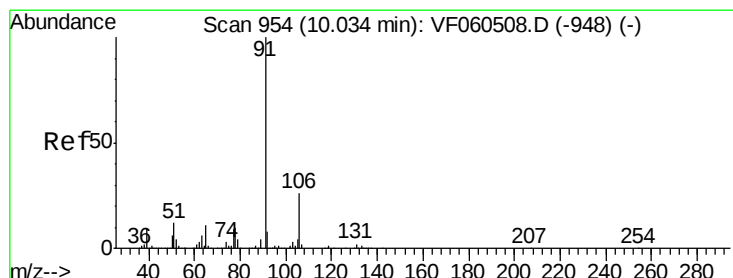
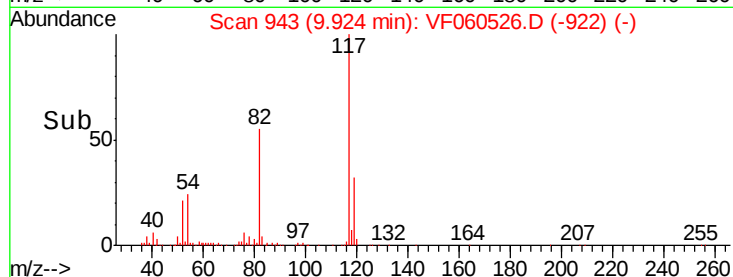
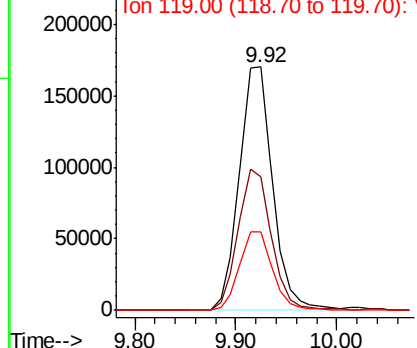
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

Tot Ion:117 Resp: 394668
Ion Ratio Lower Upper
117 100
82 54.7 51.7 77.5
119 32.4 28.3 42.5

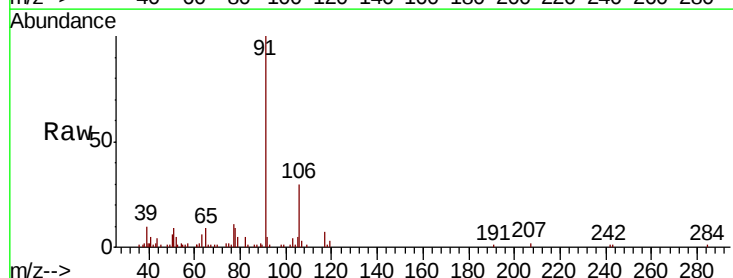


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

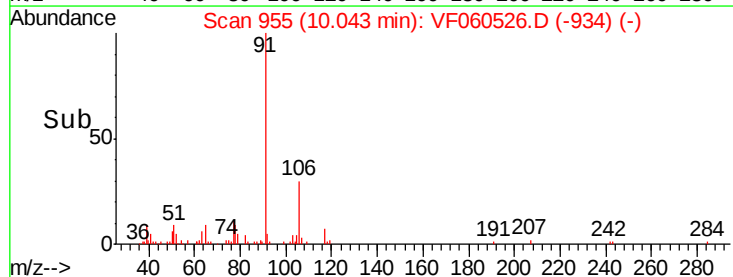
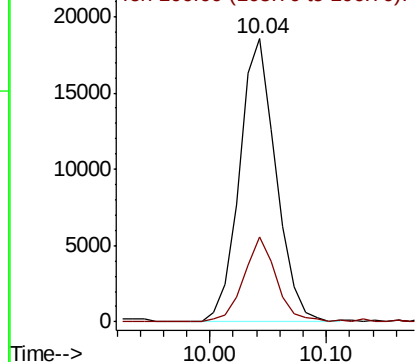


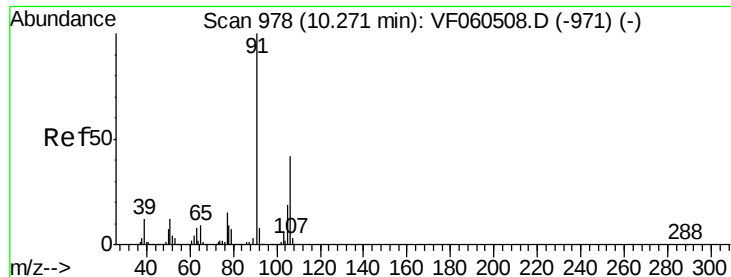
#67
Ethyl Benzene
Concen: 2.365 ug/l
RT: 10.04 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion: 91 Resp: 40067
Ion Ratio Lower Upper
91 100
106 29.9 20.7 31.1



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

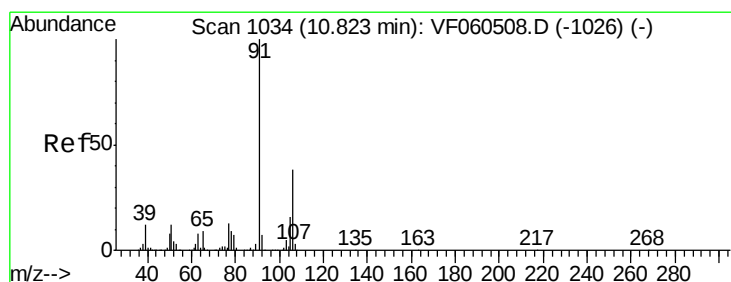
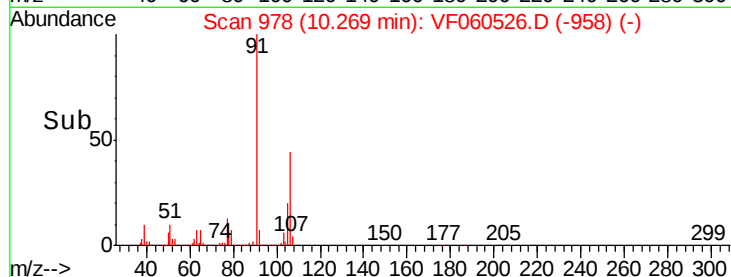
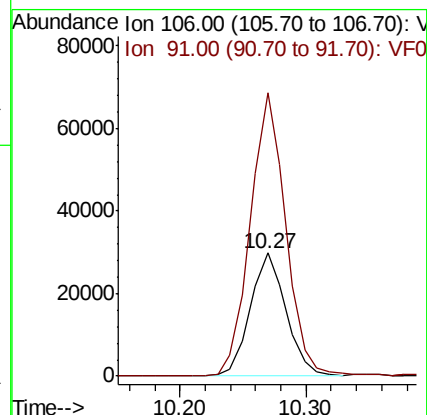
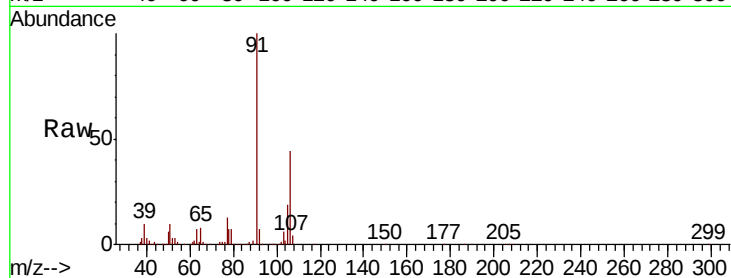




#68
m/p-Xylenes
Concen: 11.106 ug/l
RT: 10.27 min Scan# 978
Delta R.T. -0.00 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

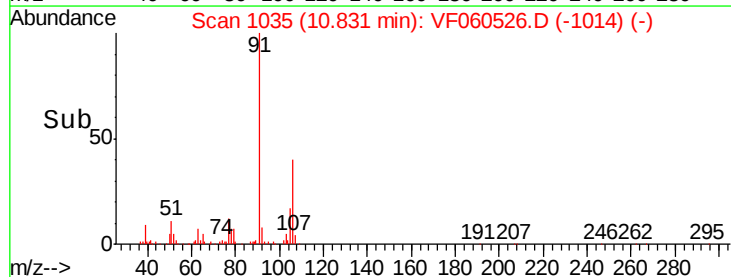
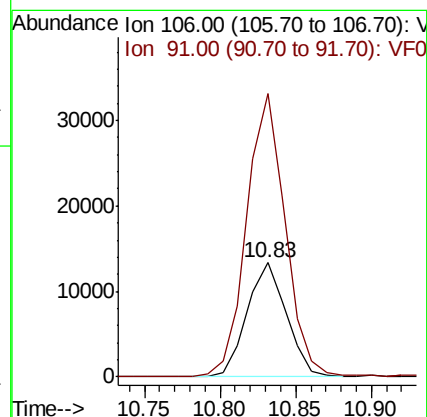
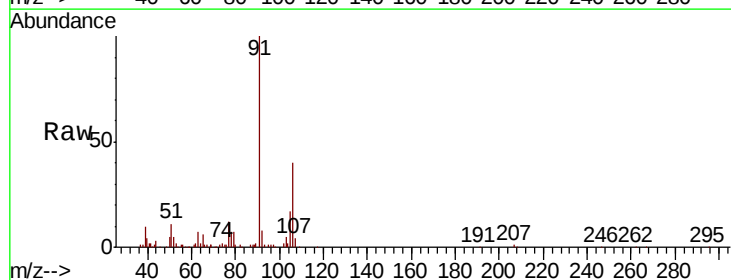
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-A

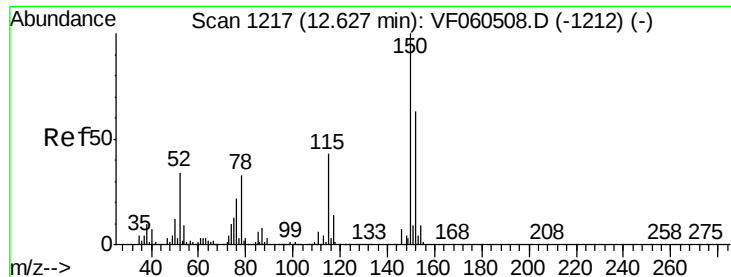
Tot Ion:106 Resp: 59074
Ion Ratio Lower Upper
106 100
91 229.6 192.5 288.7



#69
o-Xylene
Concen: 4.050 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060526.D
Acq: 26 Oct 2018 19:51

Tgt Ion:106 Resp: 24168
Ion Ratio Lower Upper
106 100
91 248.6 130.9 392.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-A

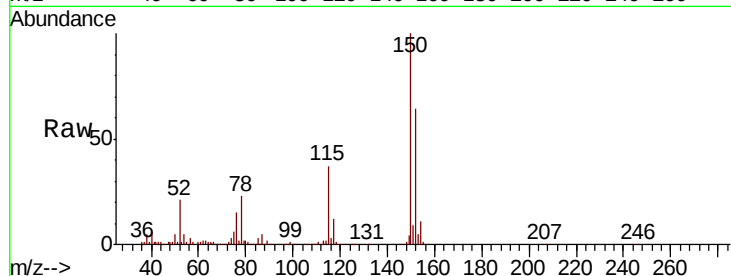
Tot Ion:152 Resp: 153749

Ion Ratio Lower Upper

152 100

115 57.0 34.6 103.9

150 156.0 0.0 319.8

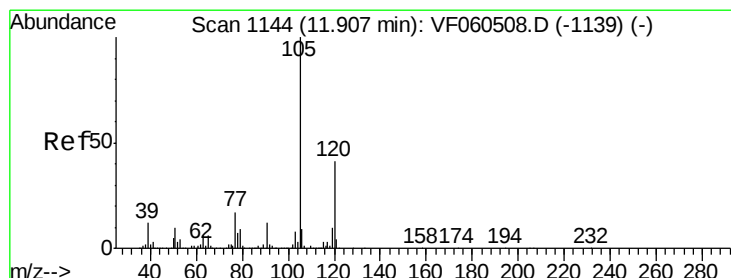
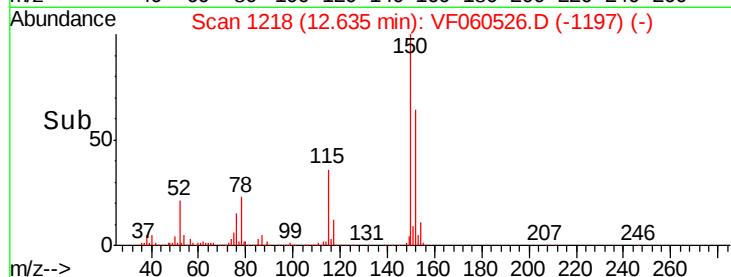
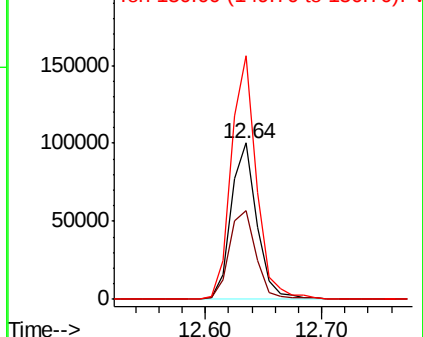


Abundance

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



#80

1,3,5-Trimethylbenzene

Concen: 1.680 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060526.D

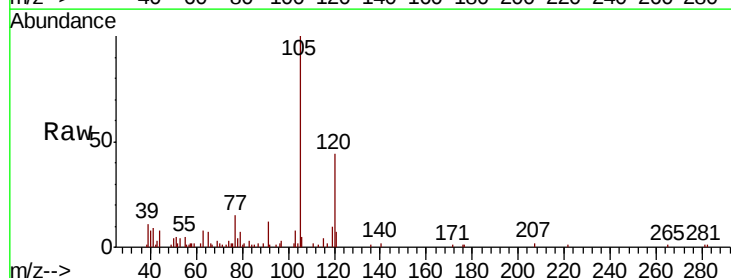
Acq: 26 Oct 2018 19:51

Tgt Ion:105 Resp: 18023

Ion Ratio Lower Upper

105 100

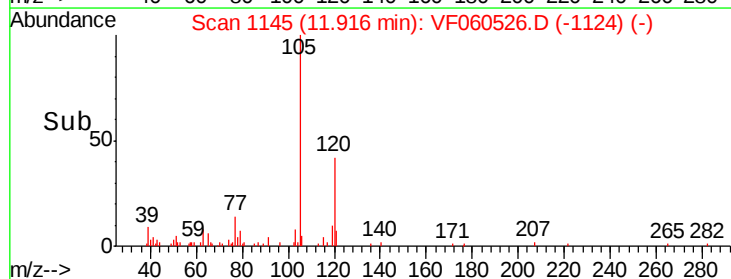
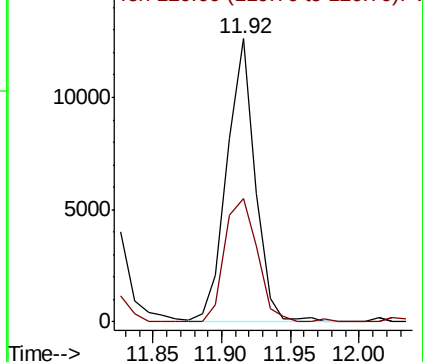
120 43.6 20.6 61.9

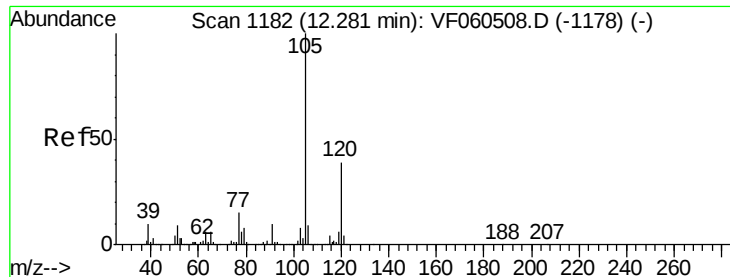


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

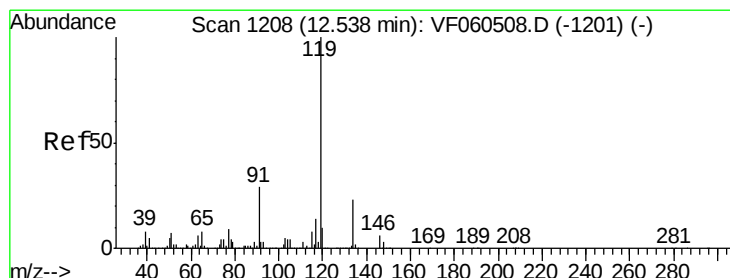
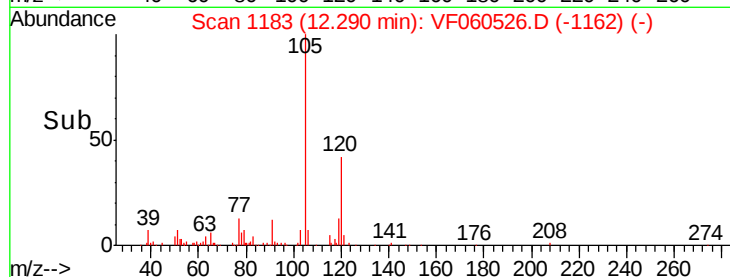
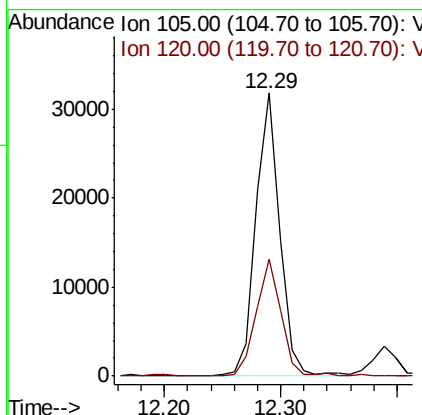
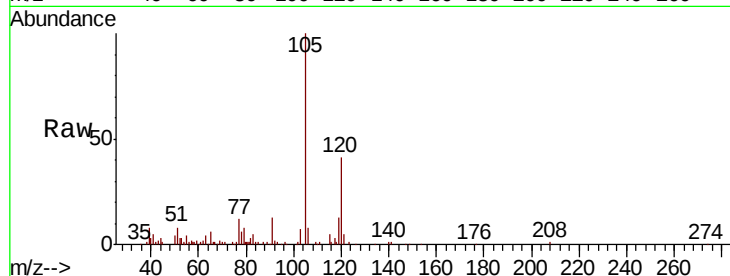




#84
 1,2,4-Trimethylbenzene
 Concen: 4.262 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

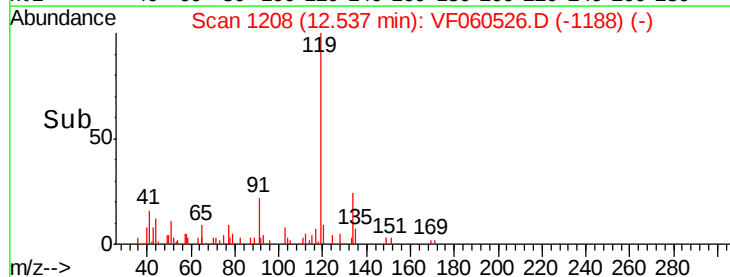
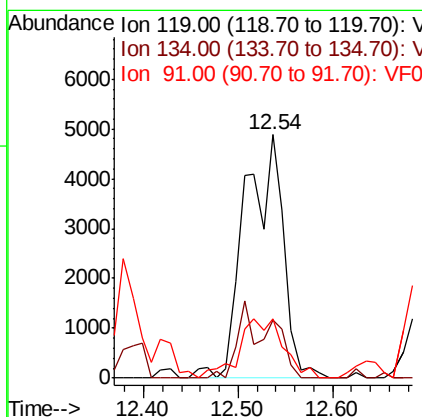
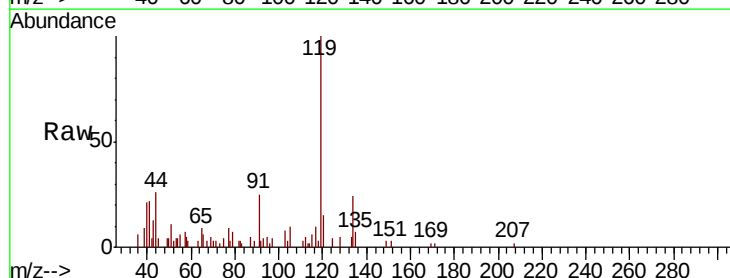
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-102518-A

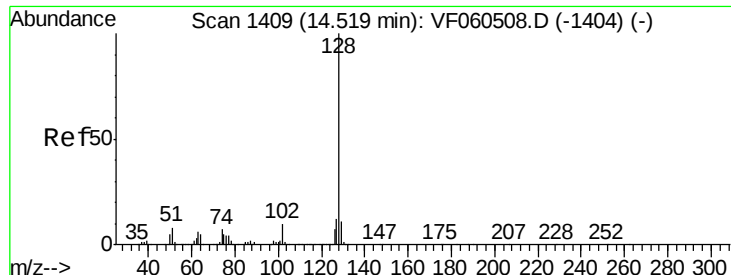
Tot Ion:105 Resp: 45311
 Ion Ratio Lower Upper
 105 100
 120 41.3 19.4 58.1



#86
 p-Isopropyltoluene
 Concen: 1.120 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060526.D
 Acq: 26 Oct 2018 19:51

Tgt Ion:119 Resp: 13836
 Ion Ratio Lower Upper
 119 100
 134 23.7 11.7 35.0
 91 24.5 14.4 43.4





#95

Naphthalene

Concen: 32.482 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060526.D

Acq: 26 Oct 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-A

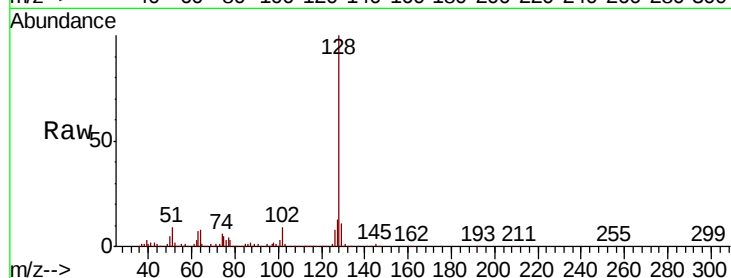
Tot Ion:128 Resp: 207070

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

