

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092618\
 Data File : VF060358.D
 Acq On : 26 Sep 2018 18:12
 Operator : VA/AP
 Sample : J5070-07RE
 Misc : 5.75/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RT-4005

Quant Time: Sep 27 03:06:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	381409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	644017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	514382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	260645	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	268435	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	4.28	113	299925	52.24	ug/l	-0.01
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	7.70	98	683174	45.70	ug/l	-0.01
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	11.50	95	295534	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

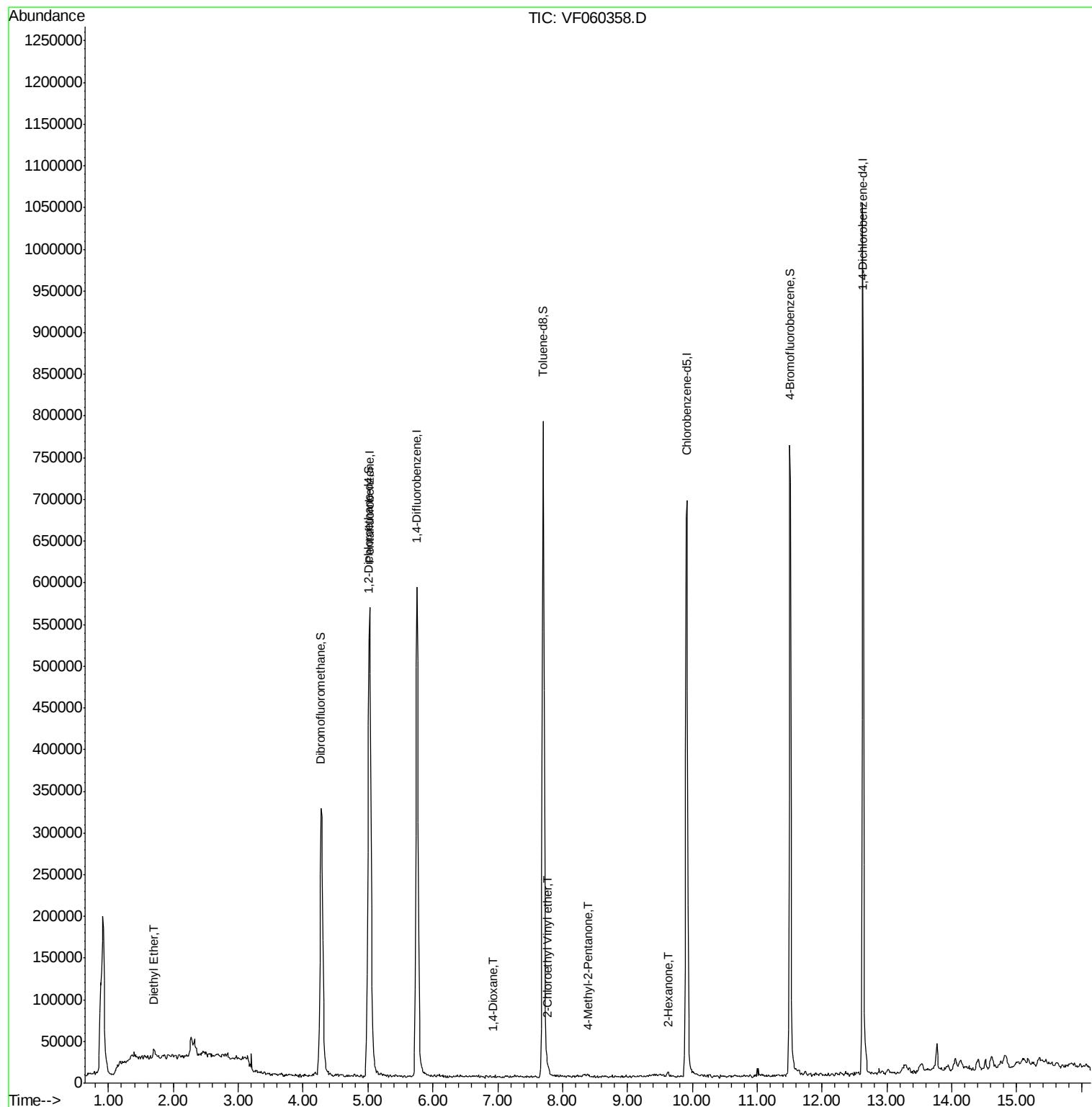
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	582	Below Cal	#	40
5) Bromomethane	1.46	94	280	Below Cal		84
8) Diethyl Ether	1.70	74	4212	2.565	ug/l	75
11) Tert butyl alcohol	2.65	59	772	Below Cal	#	1
13) Acrolein	2.09	56	997	Below Cal		89
17) Carbon Disulfide	1.83	76	739	Below Cal	#	1
20) Methylene Chloride	2.28	84	9056	Below Cal	#	82
49) 1,4-Dioxane	6.94	88	66	2.572	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	4760	1.509	ug/l #	60
58) 2-Chloroethyl Vinyl ether	7.78	63	545	1.460	ug/l	100
59) 2-Hexanone	9.63	43	4216	1.877	ug/l #	62
78) n-propylbenzene	11.68	91	1279	Below Cal	#	57
85) sec-Butylbenzene	12.38	105	1506	Below Cal		91
86) p-Isopropyltoluene	12.53	119	1247	Below Cal	#	72
89) n-Butylbenzene	12.92	91	1821	Below Cal		72

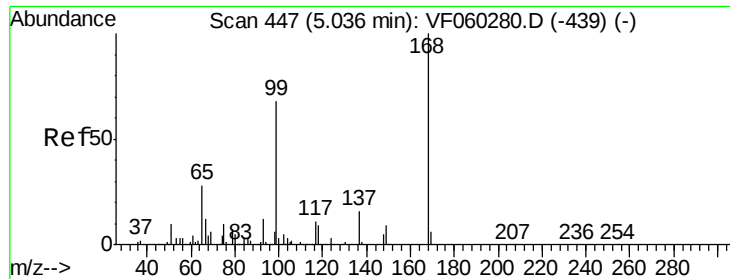
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

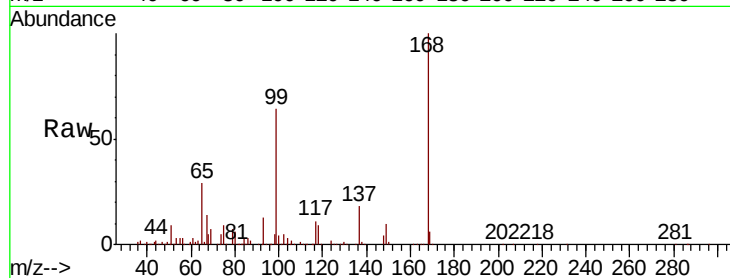
CS-RT-4005

Tot Ion:168 Resp: 381409

Ion Ratio Lower Upper

168 100

99 64.4 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

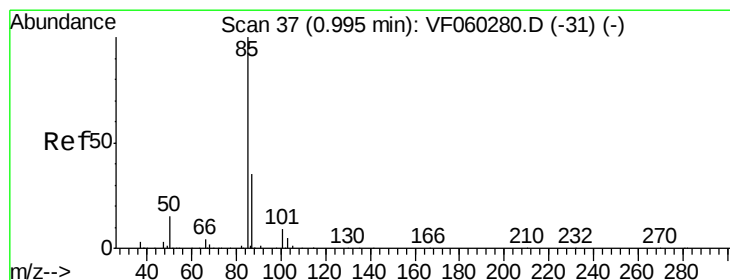
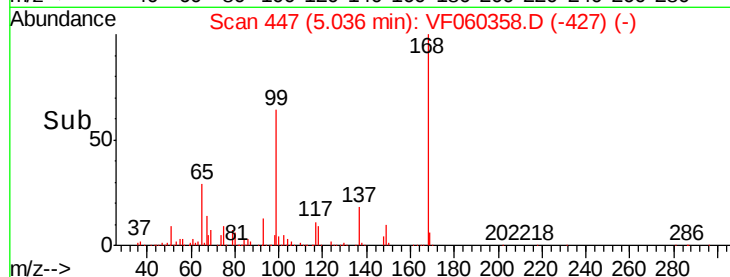
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060358.D

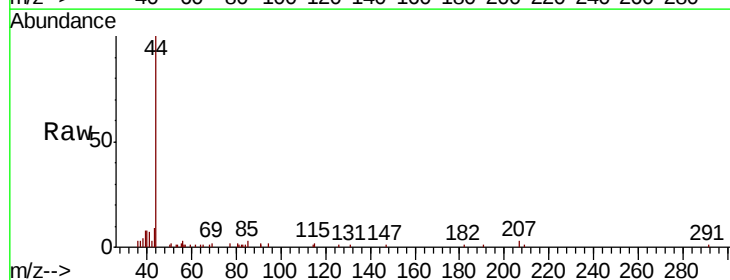
Acq: 26 Sep 2018 18:12

Tgt Ion: 85 Resp: 582

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

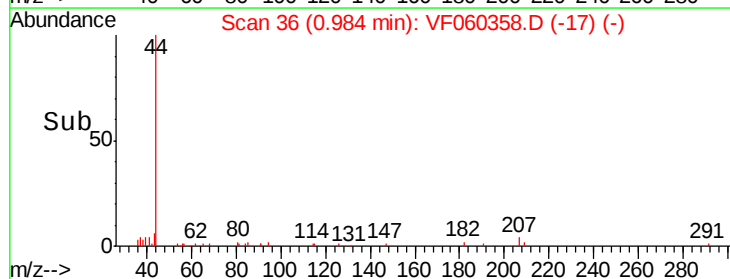
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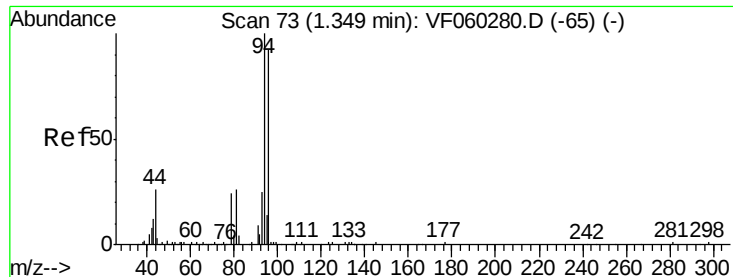
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.46 min Scan# 84

Delta R.T. 0.11 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

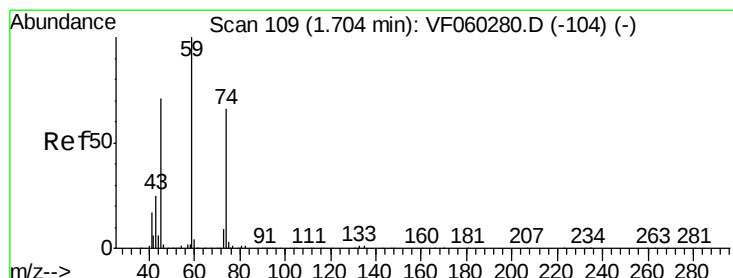
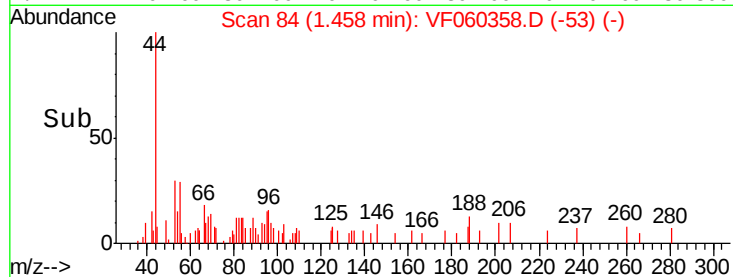
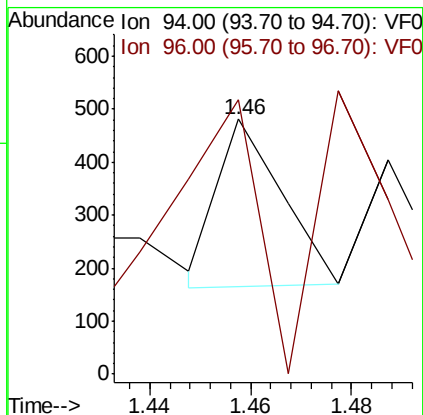
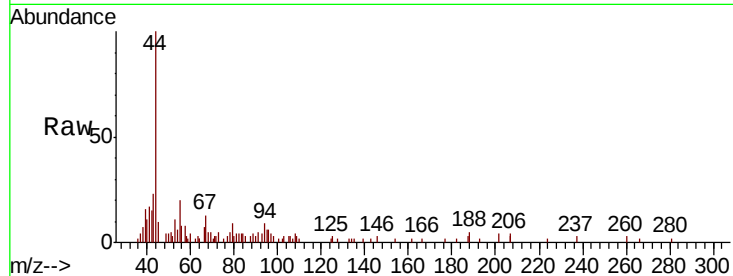
Instrument :
MSVOA_F
ClientSampled :
CS-RT-4005

Tot Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 107.9 73.9 110.9



#8

Diethyl Ether

Concen: 2.565 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060358.D

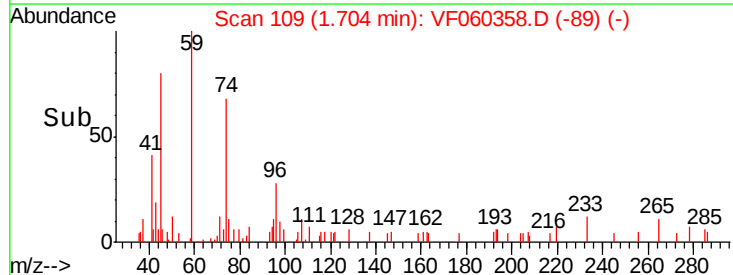
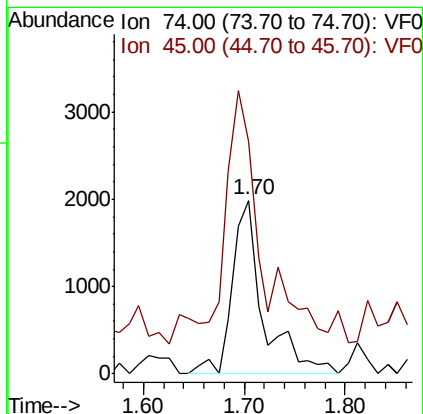
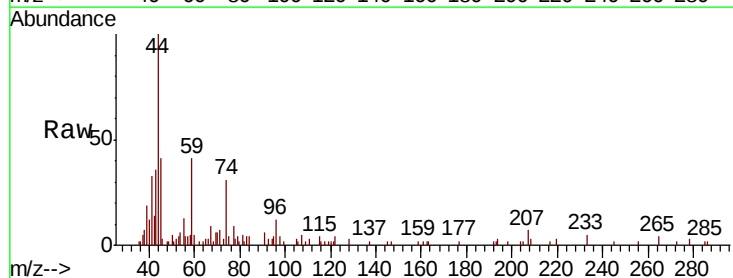
Acq: 26 Sep 2018 18:12

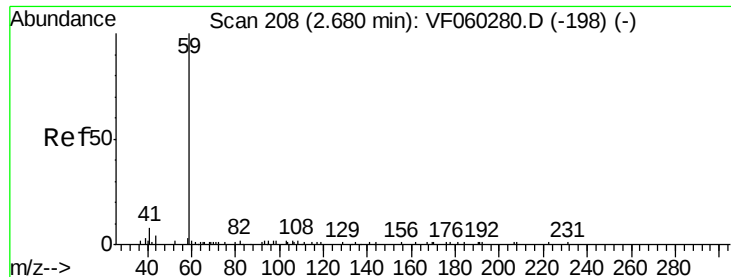
Tgt Ion: 74 Resp: 4212

Ion Ratio Lower Upper

74 100

45 134.1 53.9 161.7



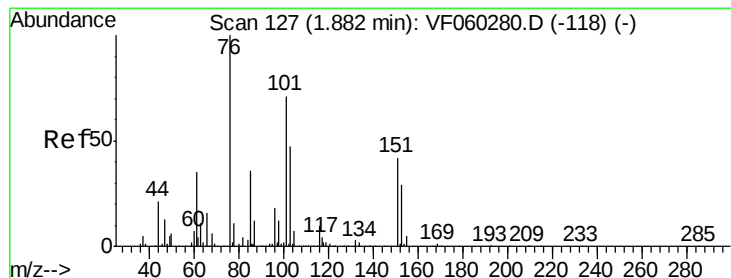
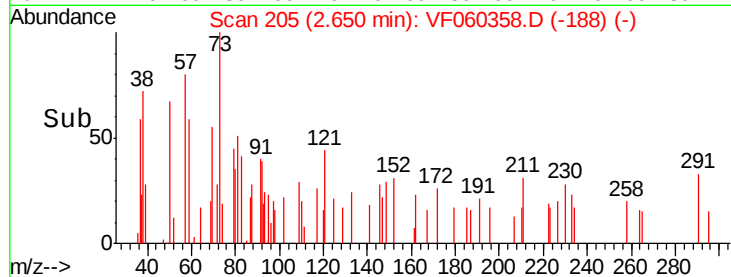
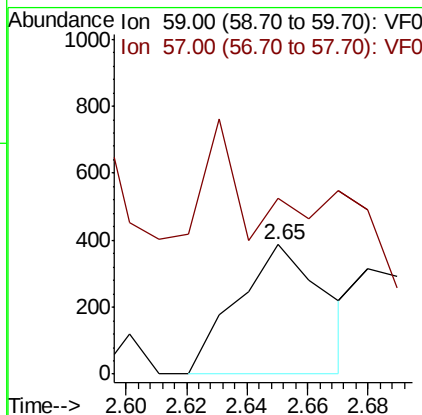
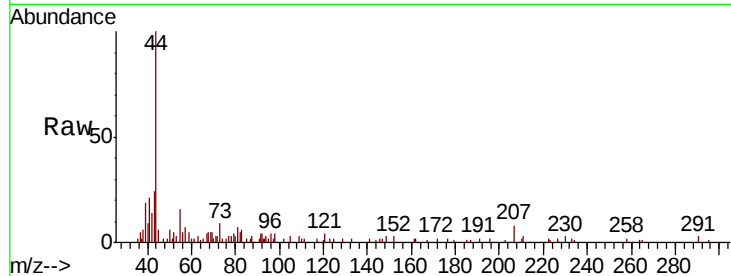


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.65 min Scan# 205
Delta R.T. -0.03 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
CS-RT-4005

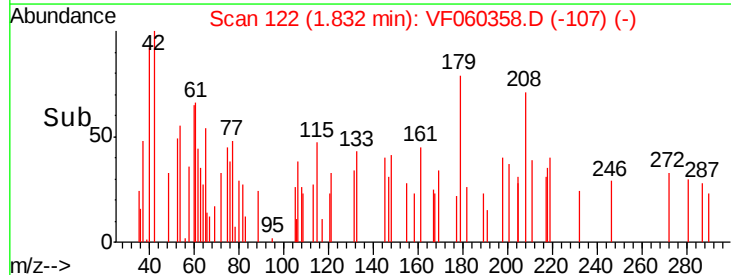
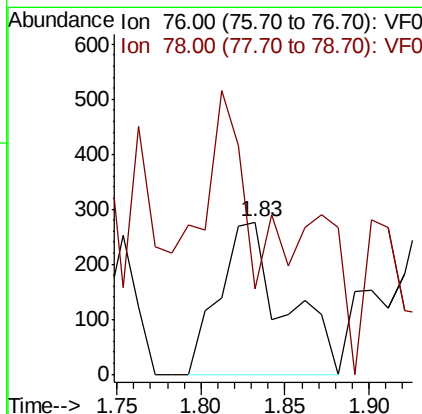
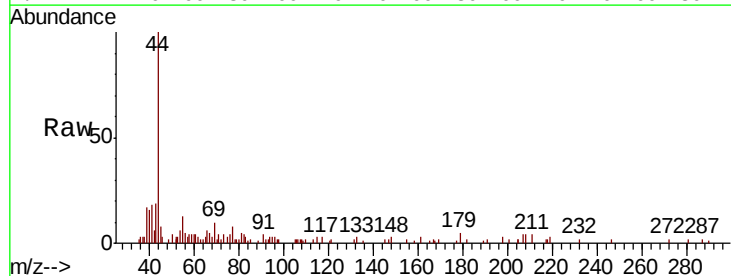
Tot Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 136.3 12.4 18.6#

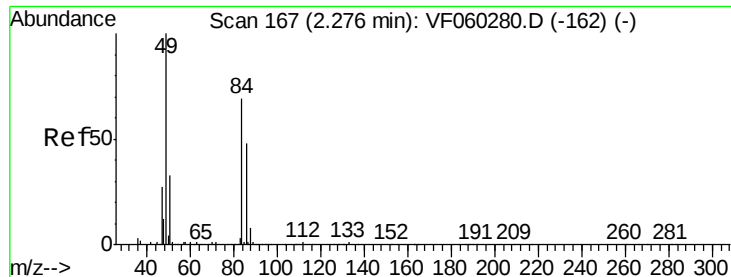


#17

Carbon Disulfide
Concen: Below Cal
RT: 1.83 min Scan# 122
Delta R.T. -0.05 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Tgt Ion: 76 Resp: 739
Ion Ratio Lower Upper
76 100
78 56.2 9.4 14.0#

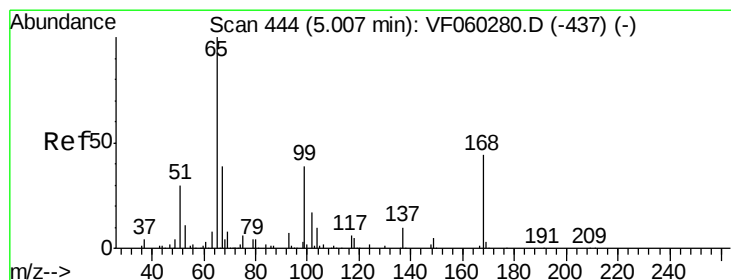
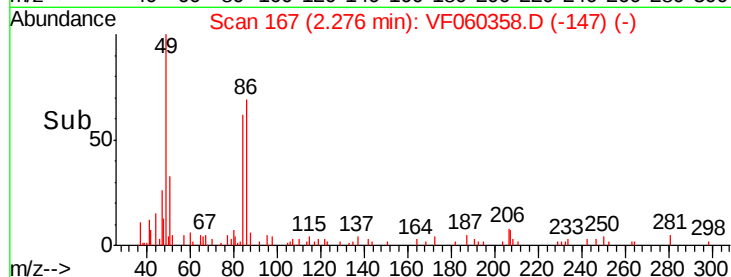
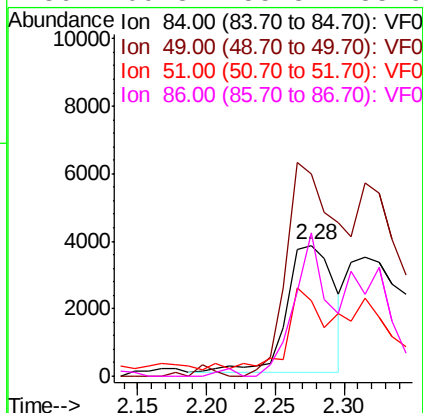
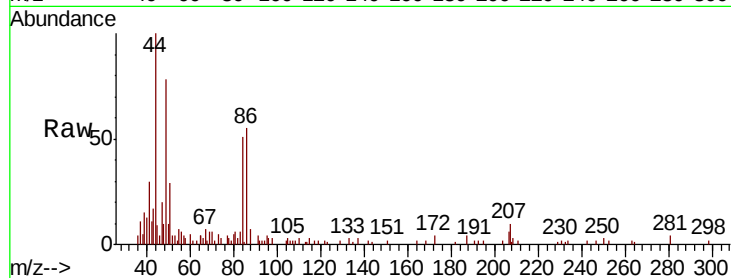




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

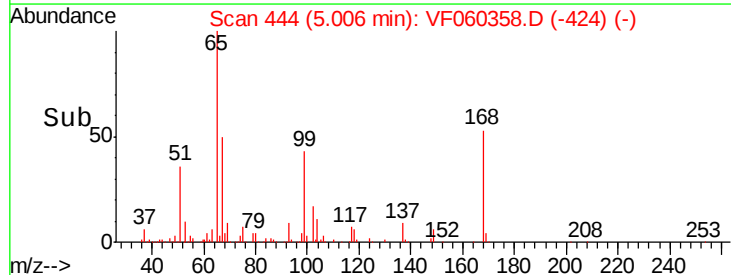
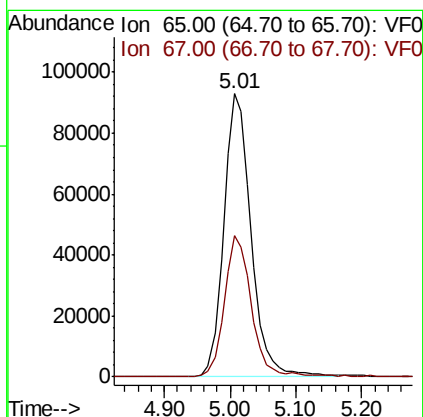
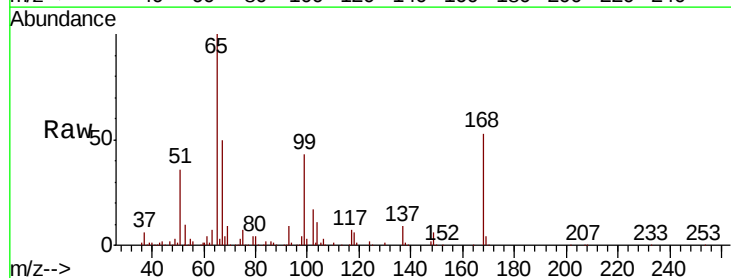
Instrument :
MSVOA_F
ClientSampleId :
CS-RT-4005

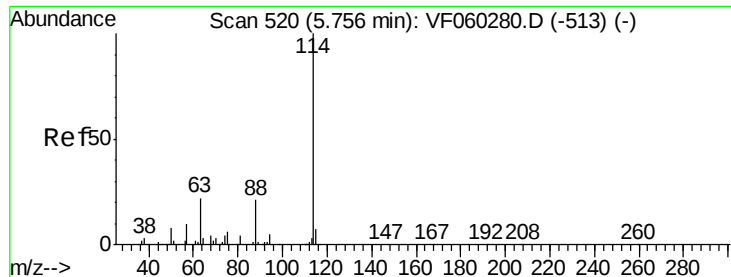
Tot Ion: 84 Resp: 9056
Ion Ratio Lower Upper
84 100
49 154.0 118.3 177.5
51 57.2 38.7 58.1
86 109.3 55.8 83.6#



#33
1,2-Dichloroethane-d4
Concen: 52.268 ug/l
RT: 5.01 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Tgt Ion: 65 Resp: 268435
Ion Ratio Lower Upper
65 100
67 50.1 0.0 94.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

CS-RT-4005

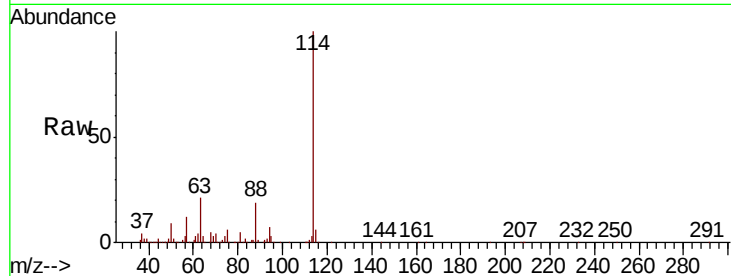
Tot Ion:114 Resp: 644017

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

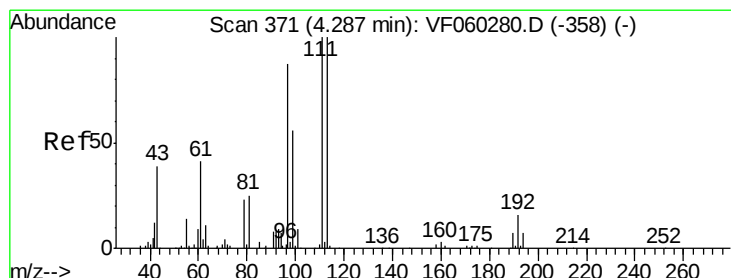
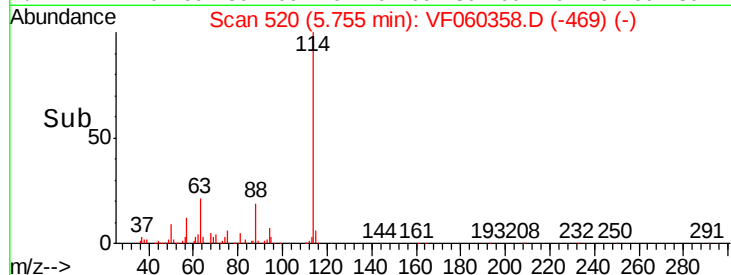
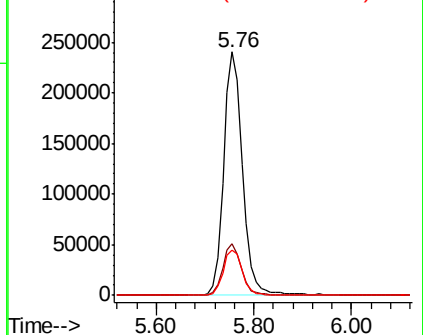
88 18.7 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 52.243 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

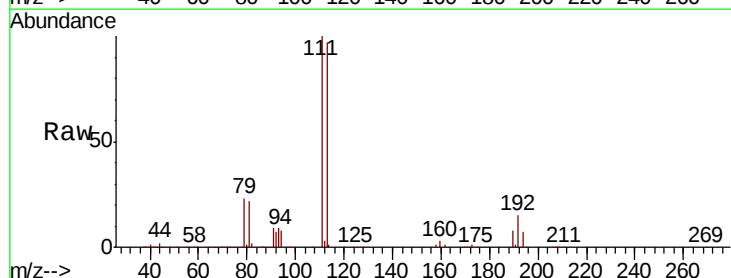
Tgt Ion:113 Resp: 299925

Ion Ratio Lower Upper

113 100

111 102.8 79.6 119.4

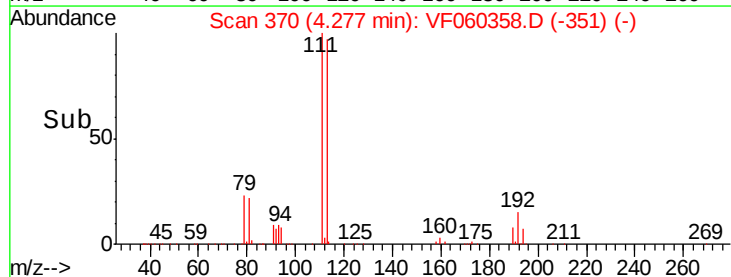
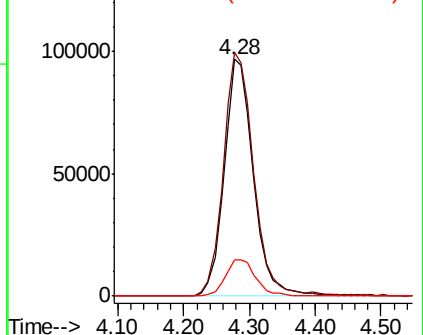
192 15.1 13.0 19.6

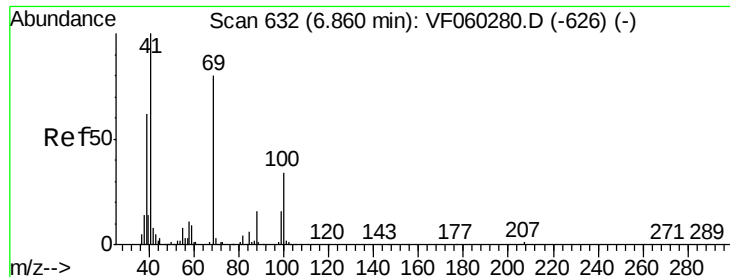


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 2.572 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.08 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

CS-RT-4005

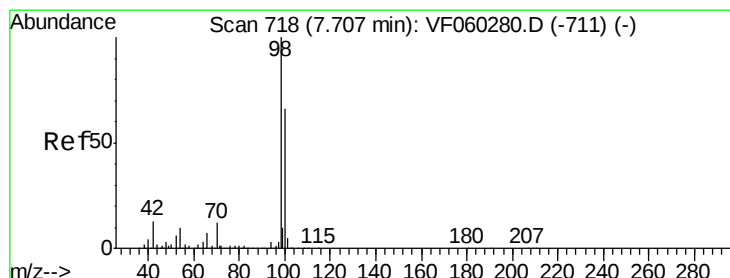
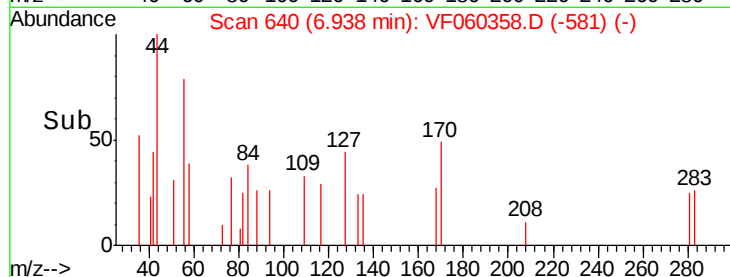
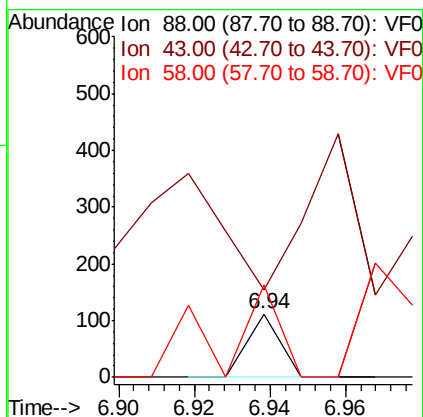
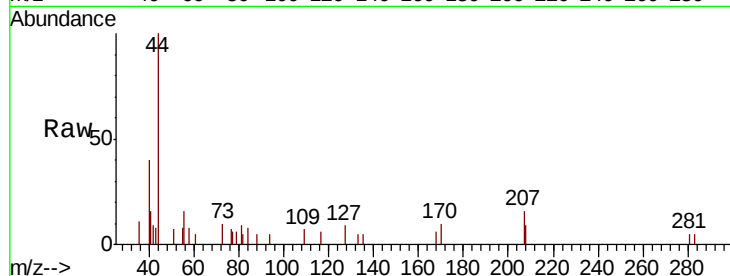
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 138.4 40.2 60.4#

58 146.4 56.7 85.1#



#50

Toluene-d8

Concen: 45.695 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060358.D

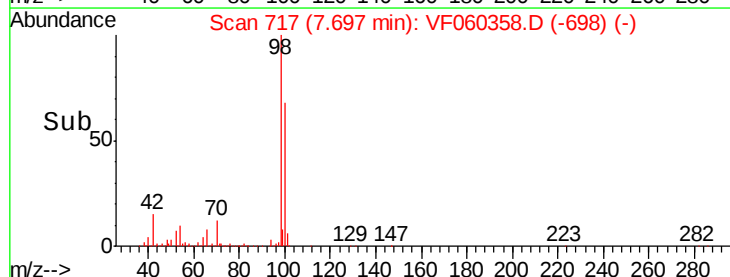
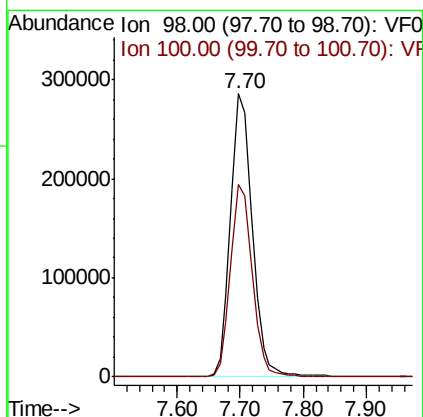
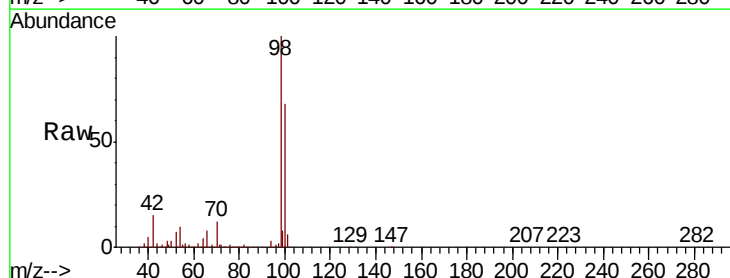
Acq: 26 Sep 2018 18:12

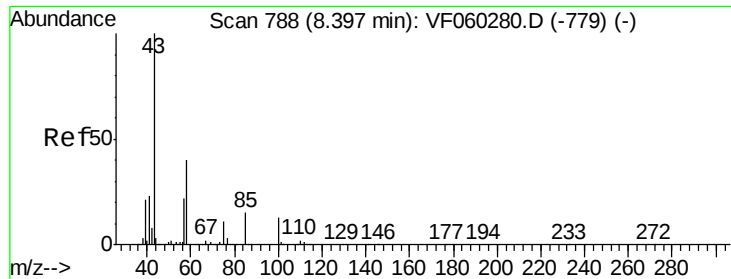
Tgt Ion: 98 Resp: 683174

Ion Ratio Lower Upper

98 100

100 68.1 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.509 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleID :

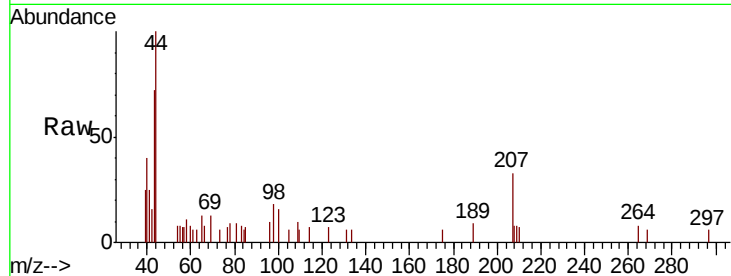
CS-RT-4005

Tot Ion: 43 Resp: 4760

Ion Ratio Lower Upper

43 100

58 15.3 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1500

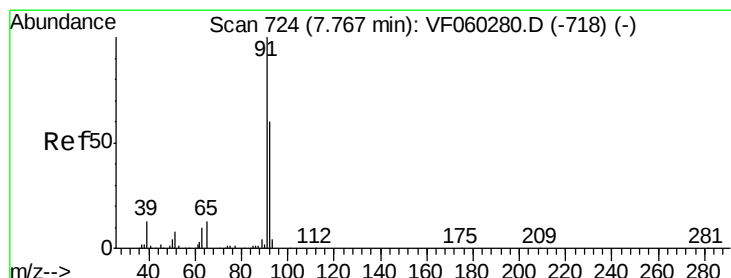
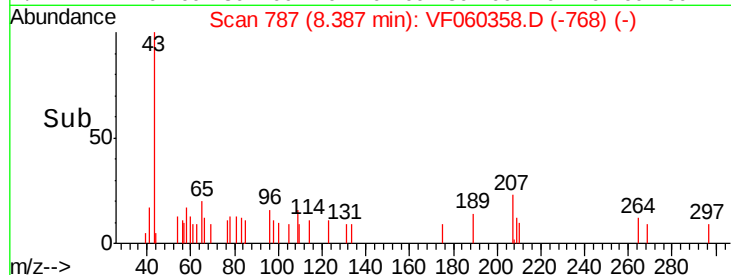
1000

500

0

8.30 8.40 8.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.460 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060358.D

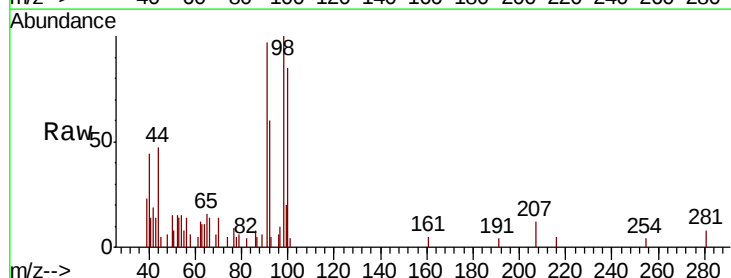
Acq: 26 Sep 2018 18:12

Tgt Ion: 63 Resp: 545

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

500

400

300

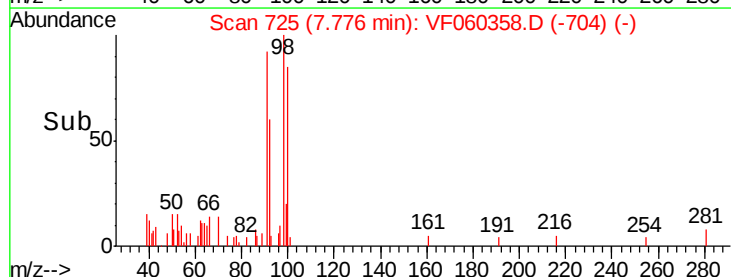
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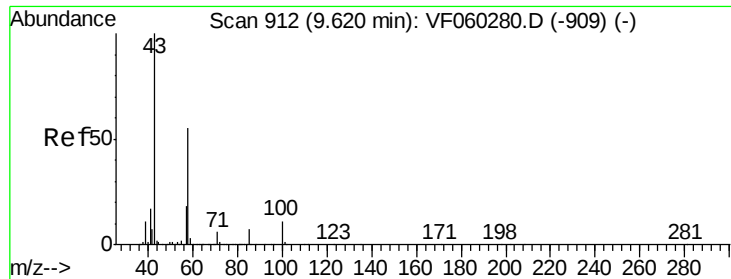
100

0

7.75 7.80

Time-->

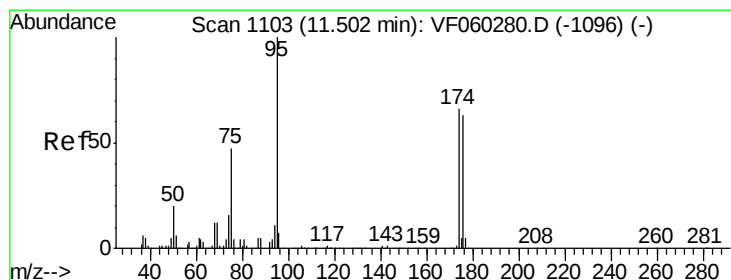
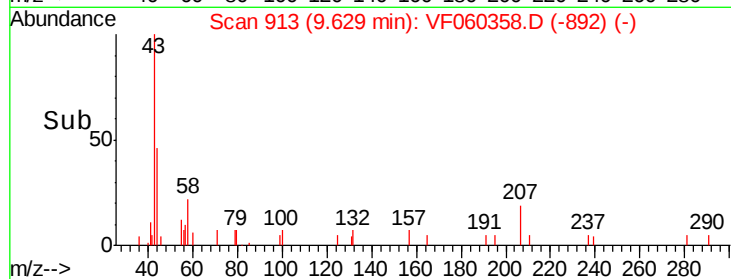
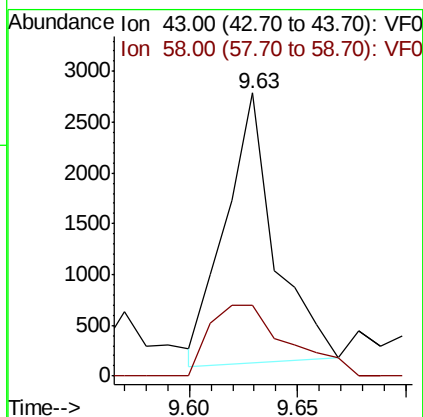
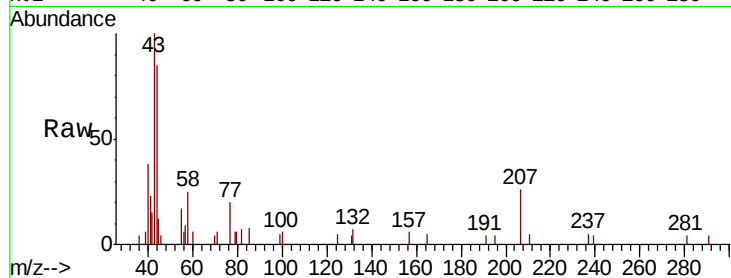




#59
2-Hexanone
Concen: 1.877 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

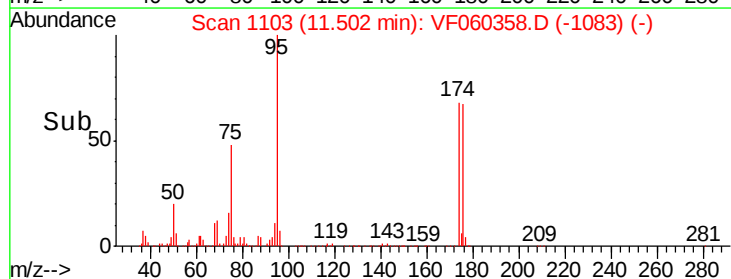
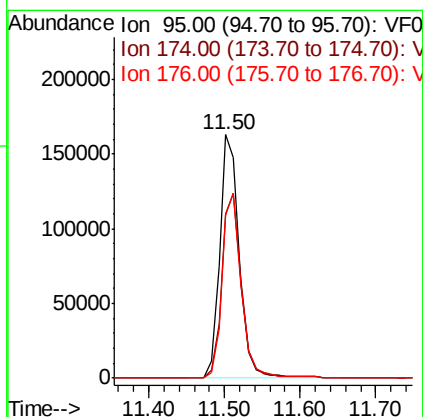
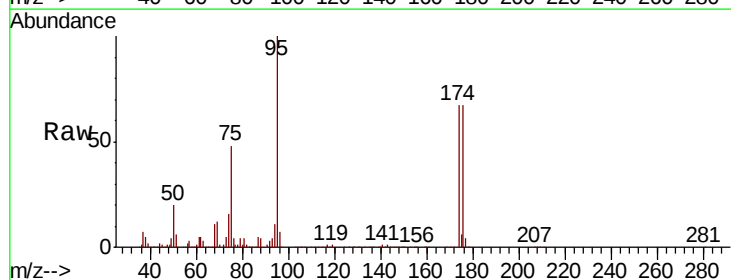
Instrument :
MSVOA_F
ClientSampleId :
CS-RT-4005

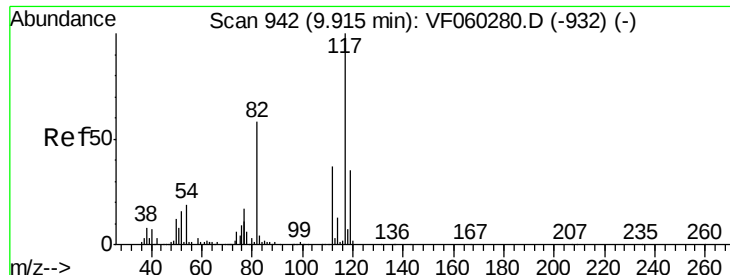
Tot Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
58 24.9 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 45.729 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Tgt Ion: 95 Resp: 295534
Ion Ratio Lower Upper
95 100
174 67.5 0.0 131.2
176 66.7 0.0 126.6

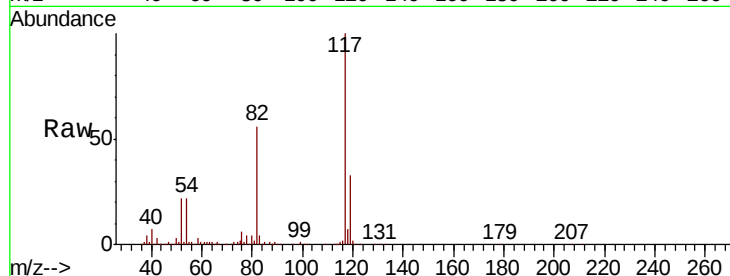




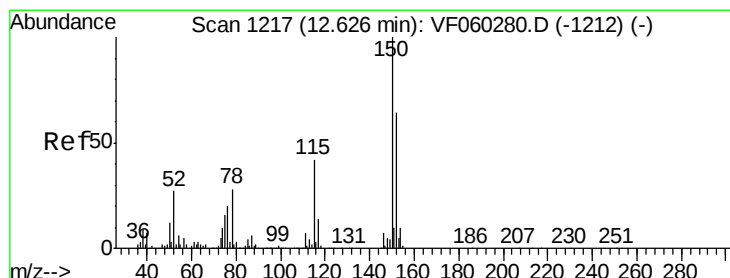
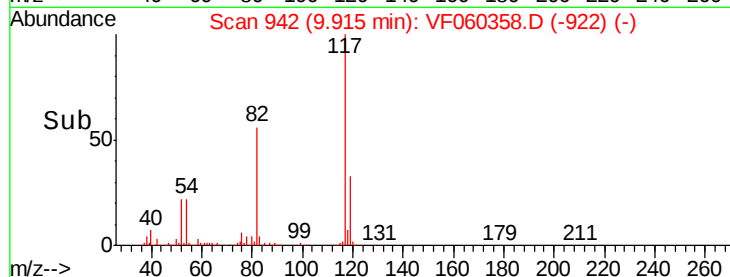
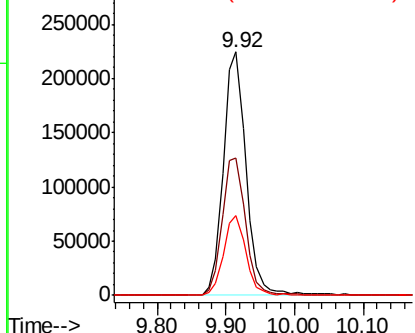
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Instrument :
MSVOA_F
ClientSampleId :
CS-RT-4005

Tot Ion:117 Resp: 514382
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.2
119 32.9 27.8 41.6

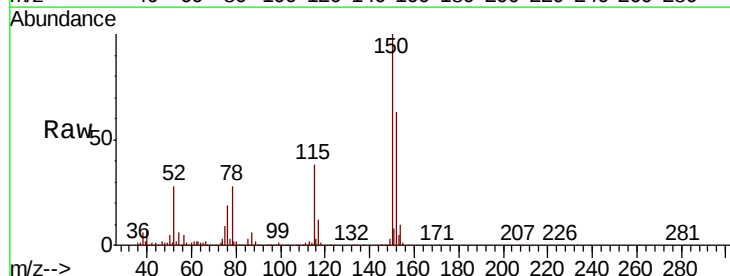


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

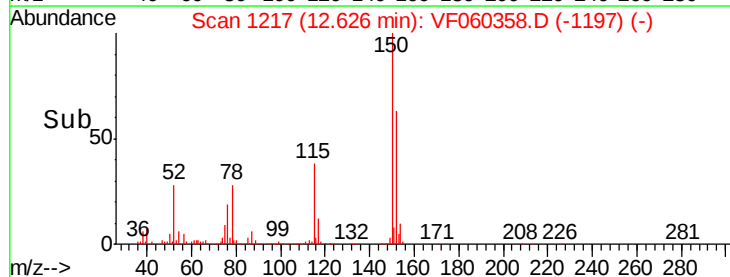
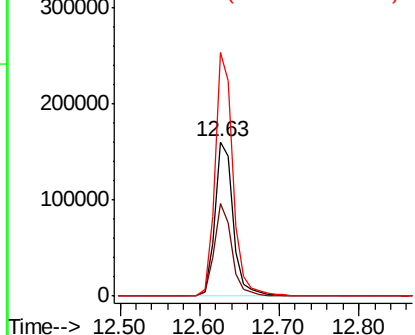


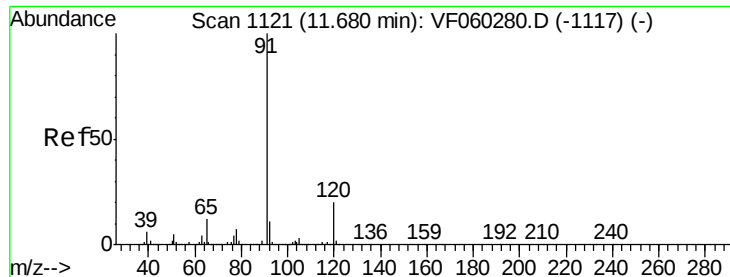
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060358.D
Acq: 26 Sep 2018 18:12

Tgt Ion:152 Resp: 260645
Ion Ratio Lower Upper
152 100
115 59.8 32.6 97.8
150 158.0 0.0 314.2



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





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060358.D

Acq: 26 Sep 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

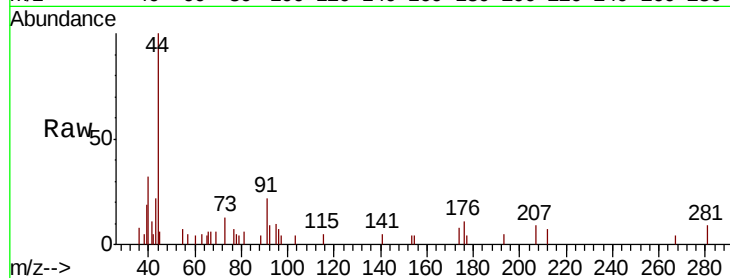
CS-RT-4005

Tot Ion: 91 Resp: 1279

Ion Ratio Lower Upper

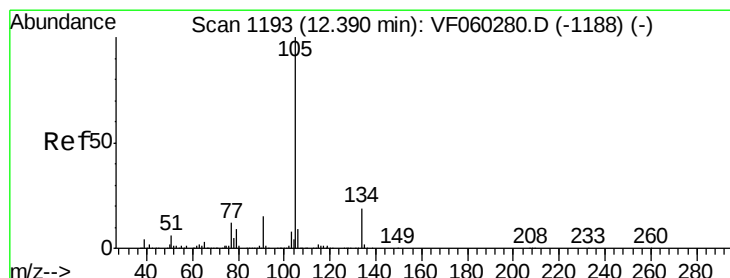
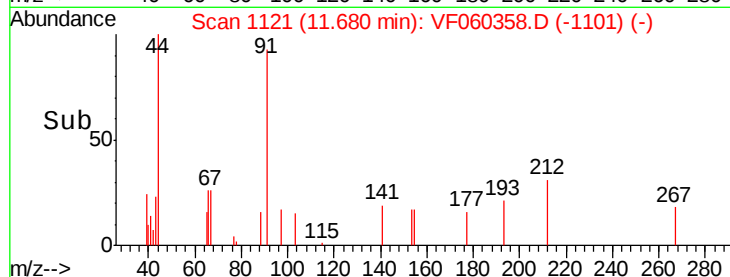
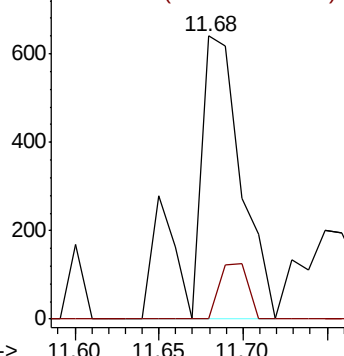
91 100

120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060358.D

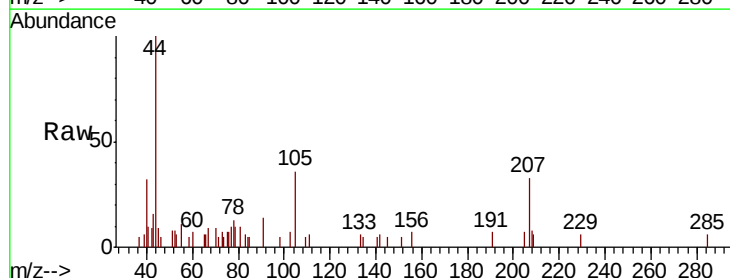
Acq: 26 Sep 2018 18:12

Tgt Ion: 105 Resp: 1506

Ion Ratio Lower Upper

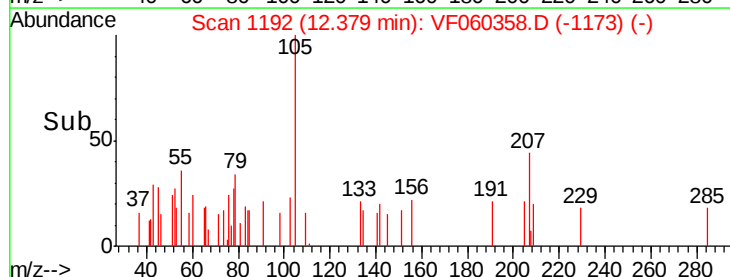
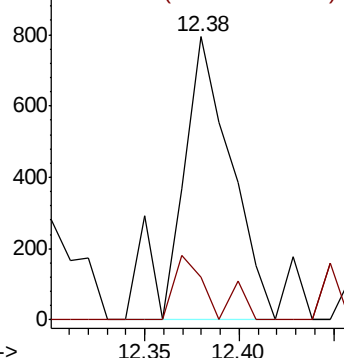
105 100

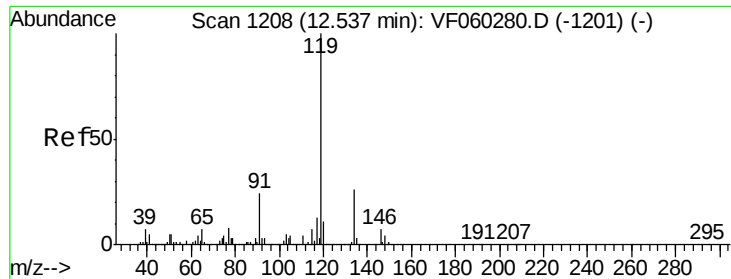
134 15.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060358.D
 Acq: 26 Sep 2018 18:12

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-RT-4005

Tot Ion	Ratio	Lower	Upper
119	100		
134	17.5	12.9	38.7
91	44.1	11.9	35.7

