

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060522.D
 Acq On : 26 Oct 2018 17:57
 Operator : VA/AP
 Sample : J5515-19
 Misc : 6.07/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AOC1-01B

Quant Time: Oct 27 01:51:10 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	306600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	503397	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	415875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	243488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	224522	36.84	ug/l	0.00
Spiked Amount			Recovery	=	73.68%	
35) Dibromofluoromethane	4.29	113	233659	38.72	ug/l	0.00
Spiked Amount			Recovery	=	77.44%	
50) Toluene-d8	7.71	98	486244	40.15	ug/l	0.00
Spiked Amount			Recovery	=	80.30%	
62) 4-Bromofluorobenzene	11.51	95	235780	34.96	ug/l	0.00
Spiked Amount			Recovery	=	69.92%	

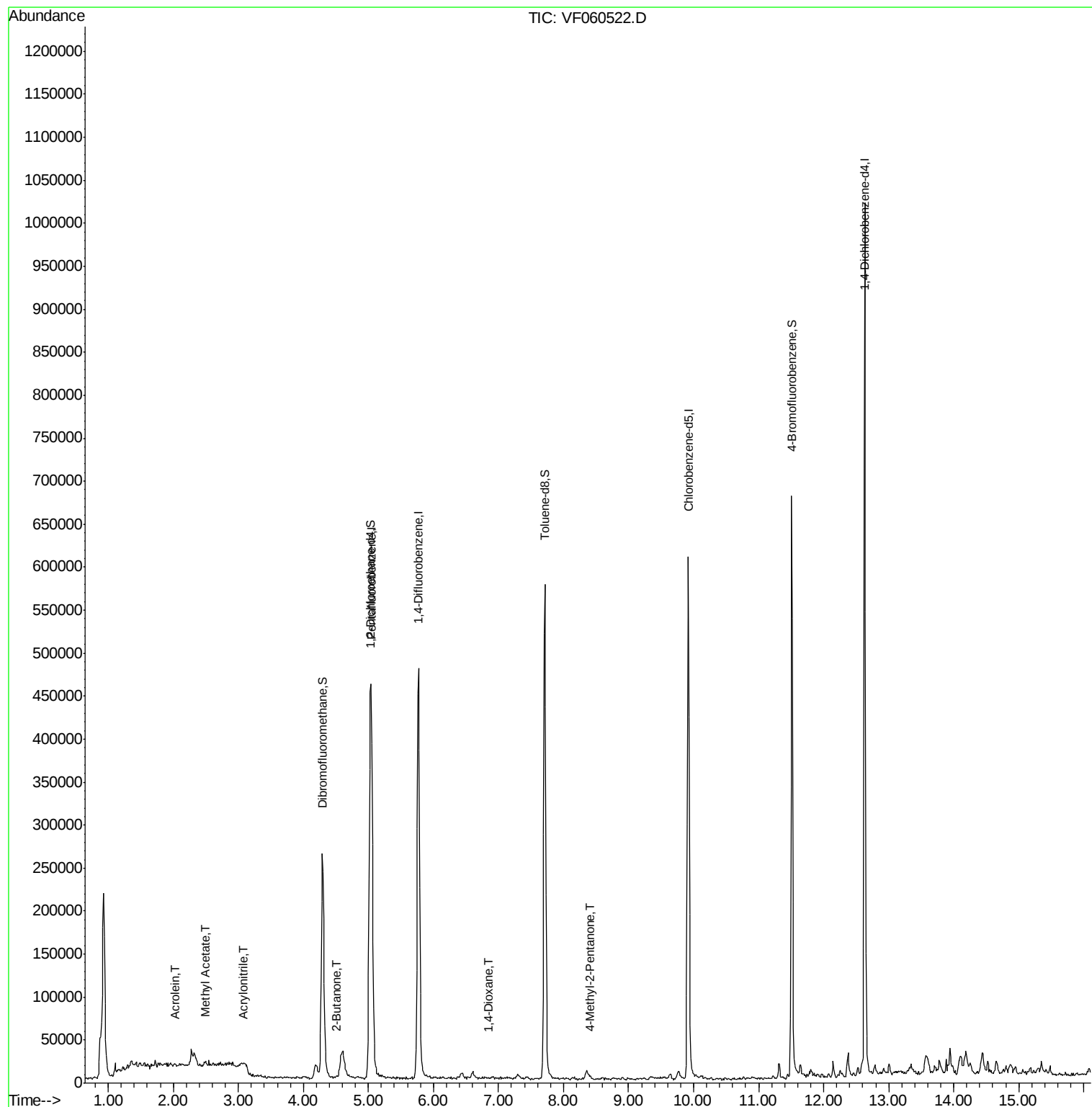
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	1342	Below Cal		92
11) Tert butyl alcohol	2.67	59	1003	Below Cal	#	4
13) Acrolein	2.03	56	344	1.269	ug/l	97
15) Acrylonitrile	3.07	53	627	1.278	ug/l #	51
16) Acetone	2.35	43	13009	Below Cal	#	90
18) Methyl Acetate	2.49	43	6398	3.197	ug/l #	64
20) Methylene Chloride	2.28	84	7420	Below Cal	#	90
25) 2-Butanone	4.52	43	3037	2.806	ug/l #	85
29) Tetrahydrofuran	4.26	42	977	Below Cal	#	67
37) Ethyl Acetate	4.29	43	1035	Below Cal	#	1
49) 1,4-Dioxane	6.85	88	100	5.996	ug/l #	32
51) 4-Methyl-2-Pentanone	8.41	43	3458	1.724	ug/l	97
59) 2-Hexanone	9.64	43	4127	Below Cal		66

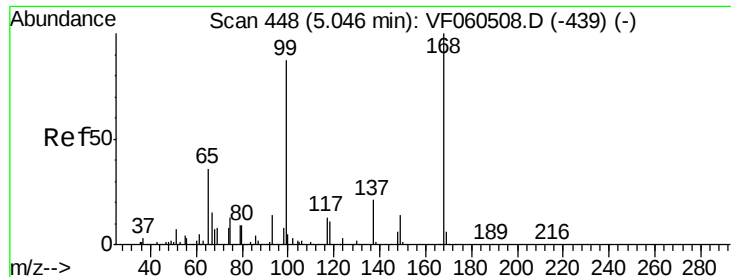
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
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# 447

Delta R.T. -0.01 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleId :

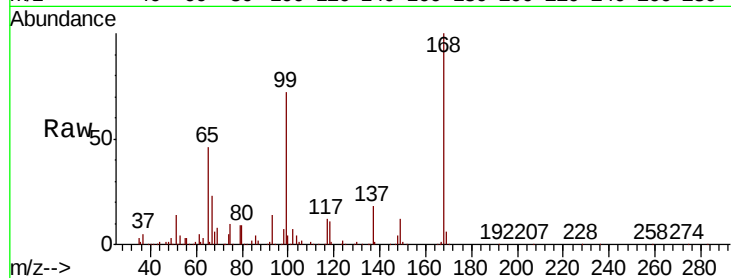
AOC1-01B

Tot Ion:168 Resp: 306600

Ion Ratio Lower Upper

168 100

99 71.9 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

100000

80000

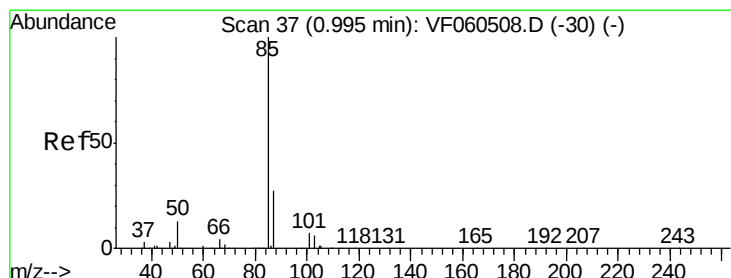
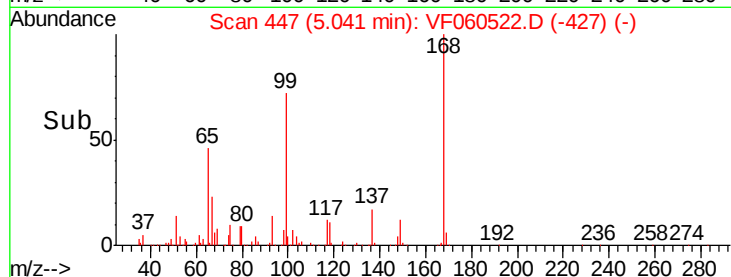
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060522.D

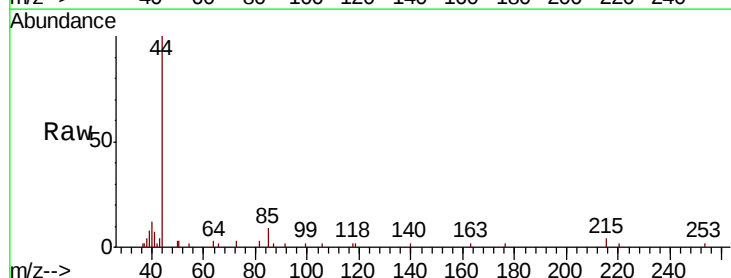
Acq: 26 Oct 2018 17:57

Tgt Ion: 85 Resp: 1342

Ion Ratio Lower Upper

85 100

87 22.8 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

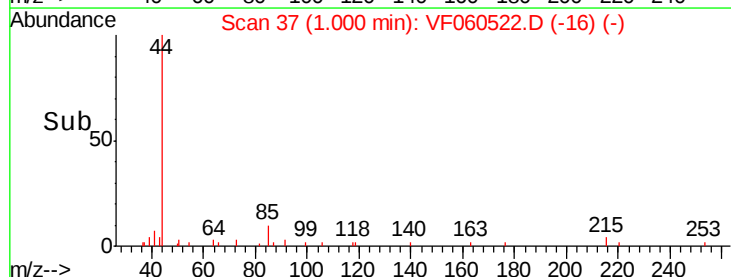
600

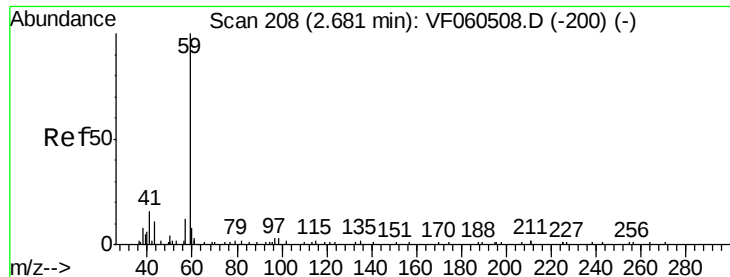
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200

0

Time-->



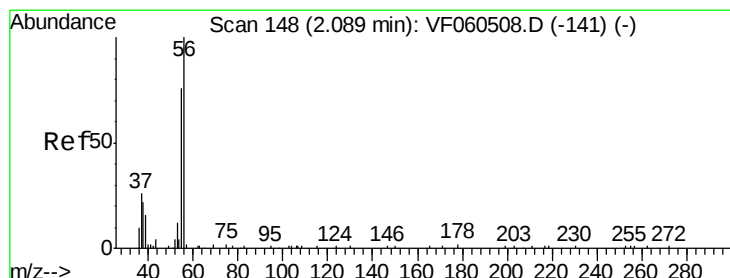
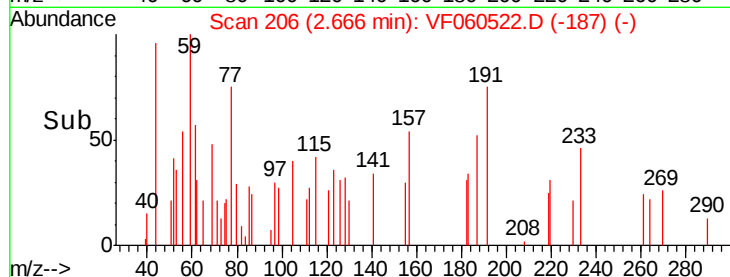
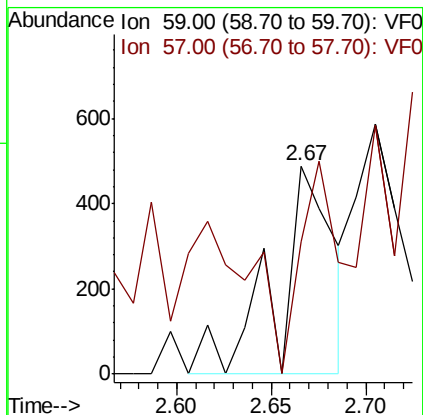
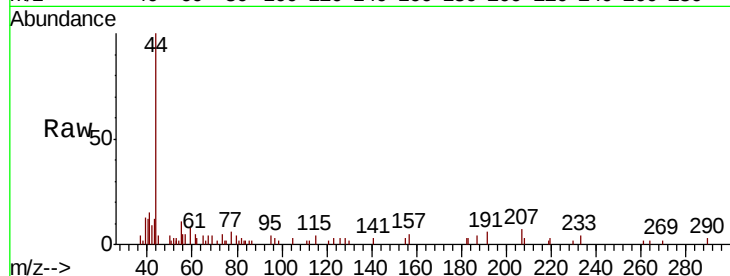


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.67 min Scan# 206
 Delta R.T. -0.01 min
 Lab File: VF060522.D
 Acq: 26 Oct 2018 17:57

Instrument :
 MSVOA_F
 ClientSampleId :
 AOC1-01B

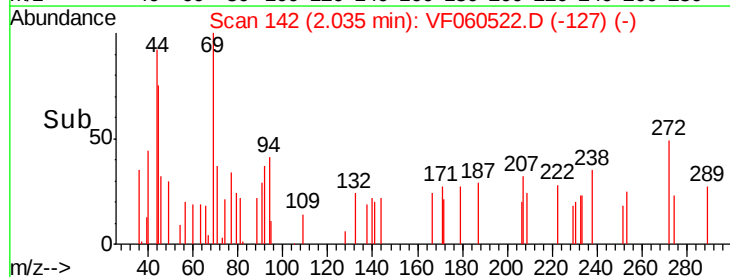
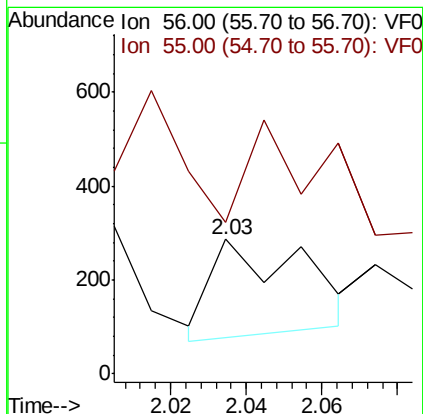
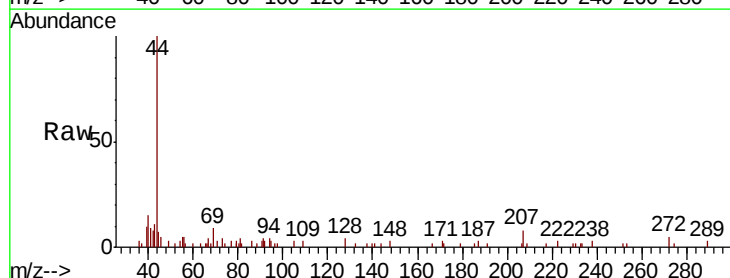
Tot Ion: 59 Resp: 1003
 Ion Ratio Lower Upper
 59 100
 57 63.8 15.8 23.8#

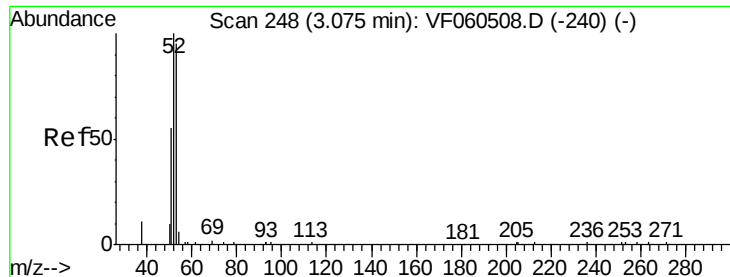


#13

Acrolein
 Concen: 1.269 ug/l
 RT: 2.03 min Scan# 142
 Delta R.T. -0.05 min
 Lab File: VF060522.D
 Acq: 26 Oct 2018 17:57

Tgt Ion: 56 Resp: 344
 Ion Ratio Lower Upper
 56 100
 55 81.2 63.0 94.4





#15

Acrylonitrile

Concen: 1.278 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleID :

AOC1-01B

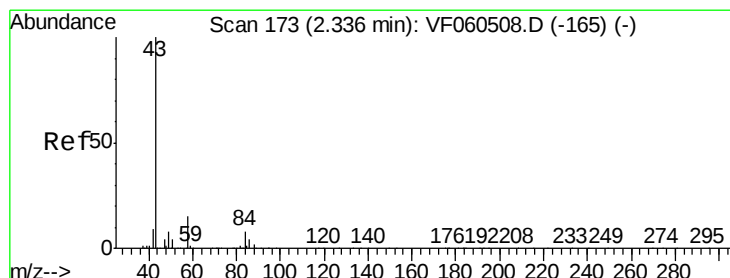
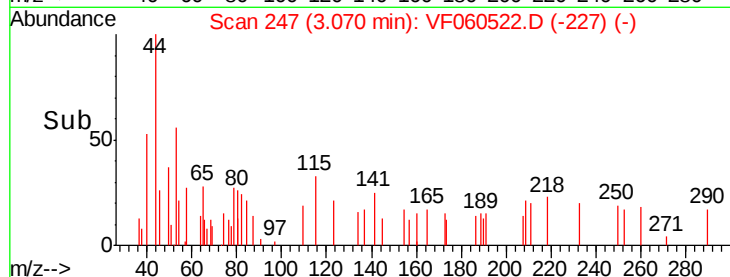
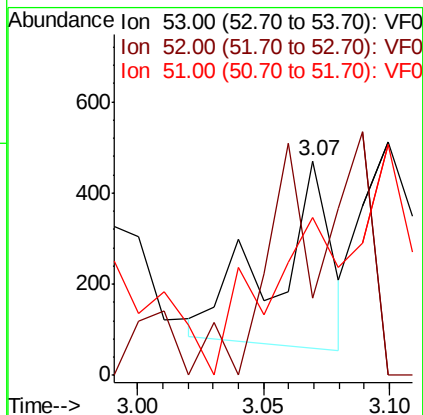
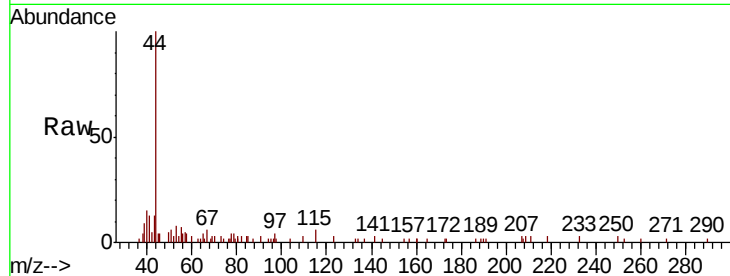
Tot Ion: 53 Resp: 627

Ion Ratio Lower Upper

53 100

52 36.2 84.0 126.0#

51 73.6 48.6 73.0#



#16

Acetone

Concen: Below Cal

RT: 2.35 min Scan# 174

Delta R.T. 0.02 min

Lab File: VF060522.D

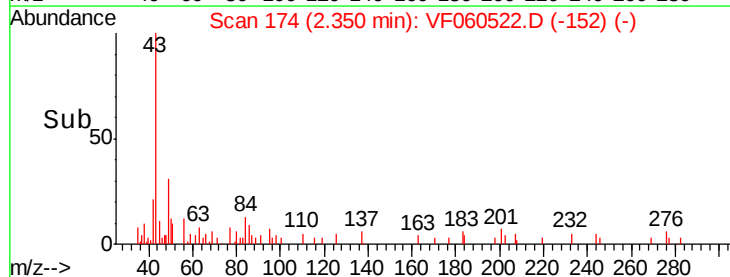
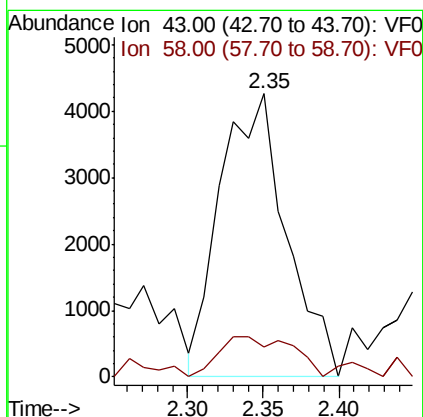
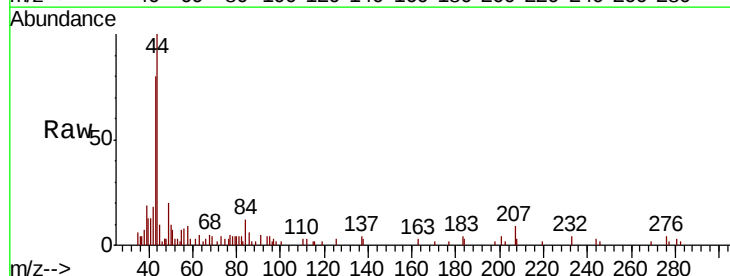
Acq: 26 Oct 2018 17:57

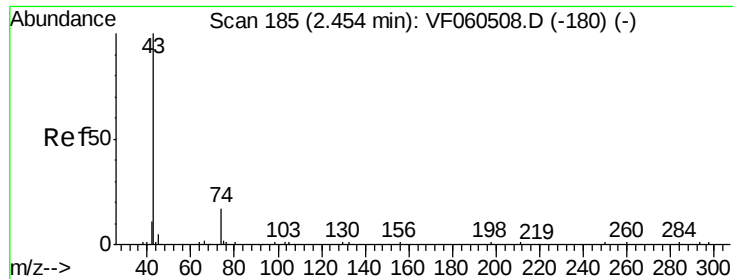
Tgt Ion: 43 Resp: 13009

Ion Ratio Lower Upper

43 100

58 10.6 11.7 17.5#

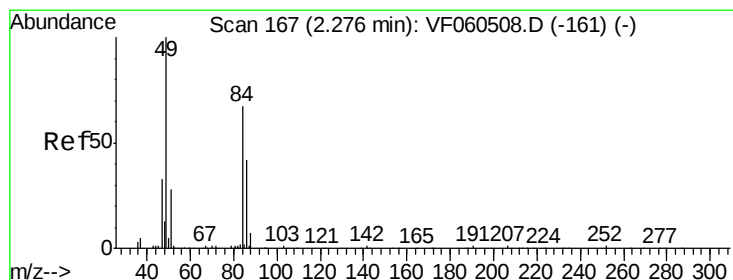
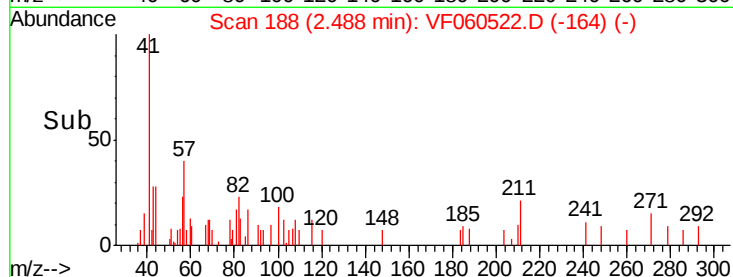
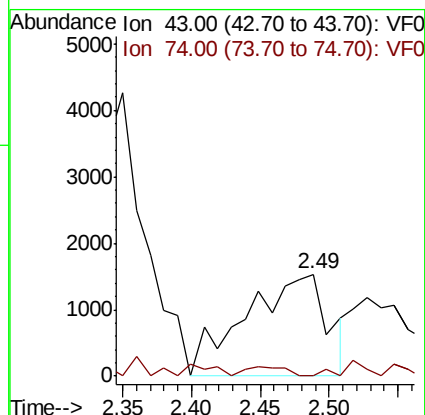
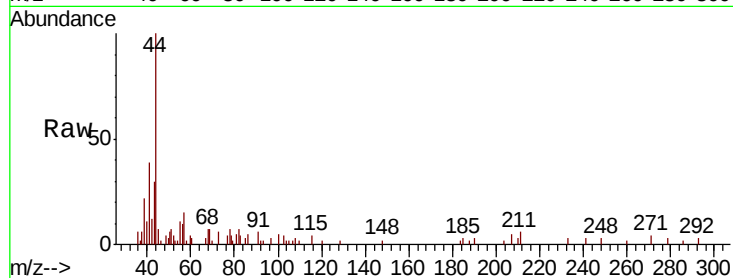




#18
Methyl Acetate
Concen: 3.197 ug/l
RT: 2.49 min Scan# 188
Delta R.T. 0.03 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

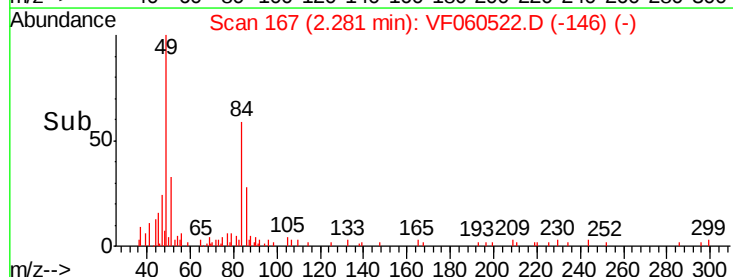
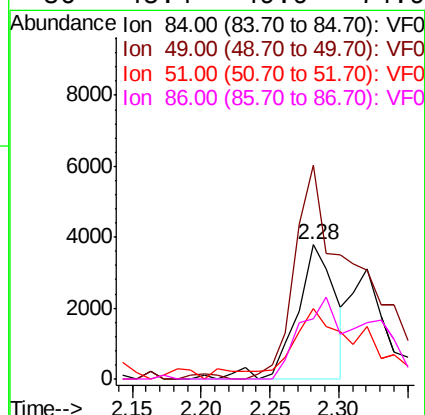
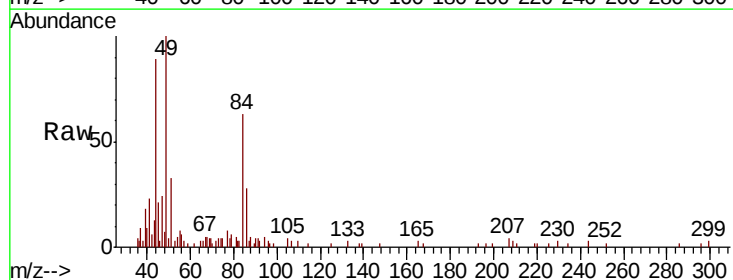
Instrument :
MSVOA_F
ClientSampled :
AOC1-01B

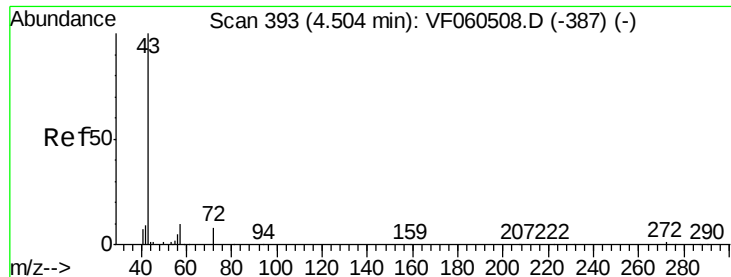
Tot Ion: 43 Resp: 6398
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.01 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

Tgt Ion: 84 Resp: 7420
Ion Ratio Lower Upper
84 100
49 159.5 123.1 184.7
51 52.7 35.3 52.9
86 45.4 49.9 74.9#





#25

2-Butanone

Concen: 2.806 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleId :

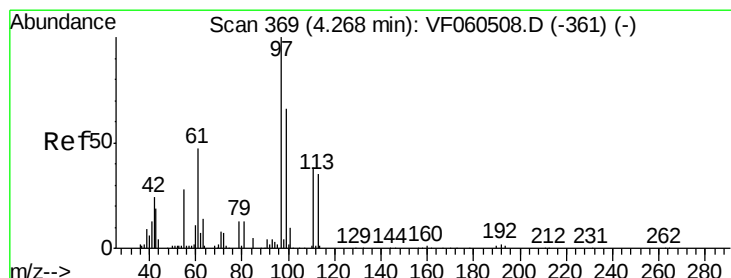
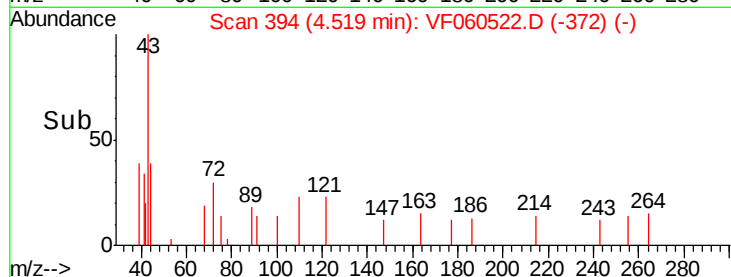
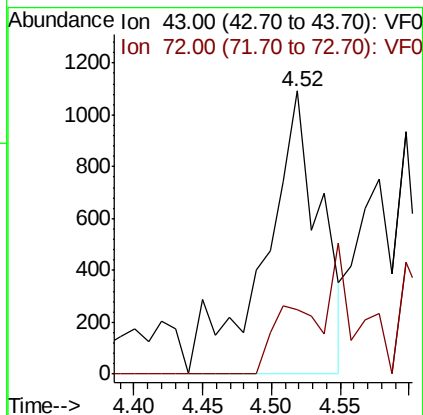
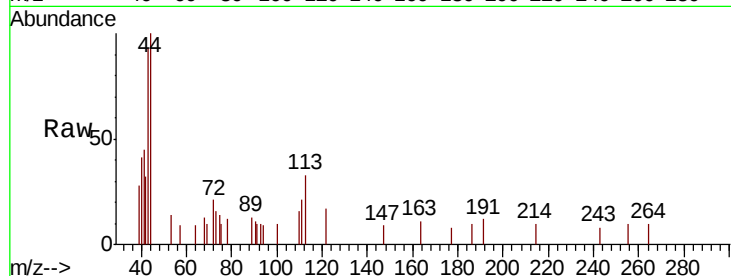
AOC1-01B

Tot Ion: 43 Resp: 3037

Ion Ratio Lower Upper

43 100

72 22.8 13.0 19.6#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

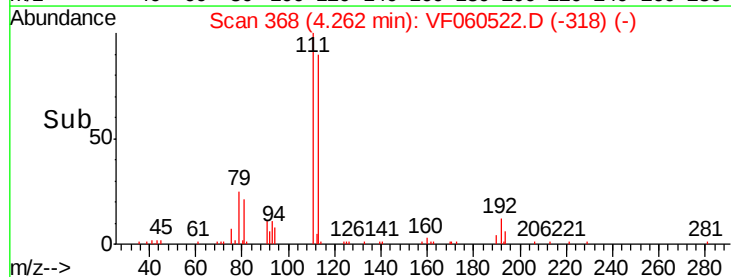
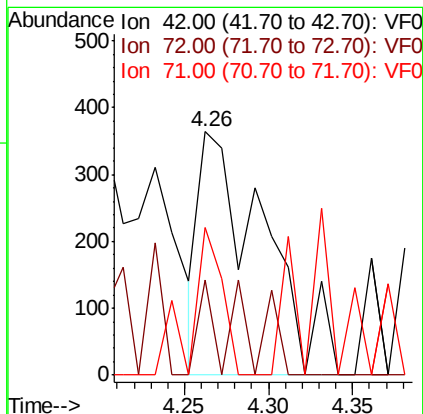
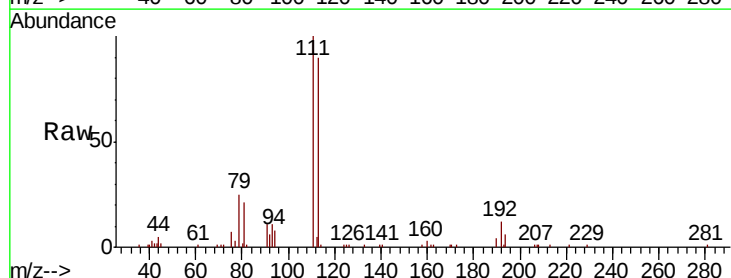
Tgt Ion: 42 Resp: 977

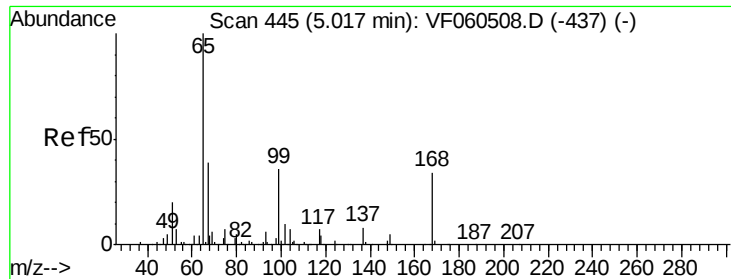
Ion Ratio Lower Upper

42 100

72 8.6 32.1 48.1#

71 28.9 29.7 44.5#

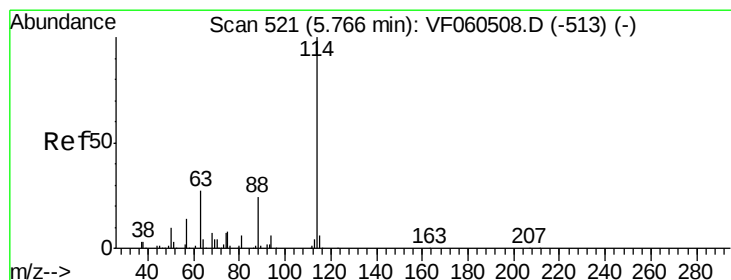
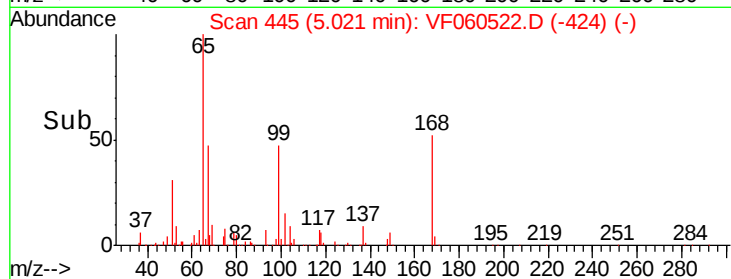
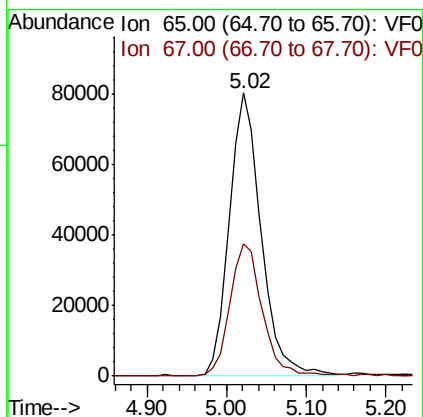
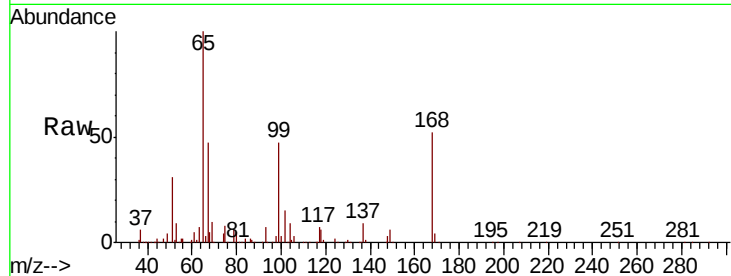




#33
 1,2-Dichloroethane-d4
 Concen: 36.844 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060522.D
 Acq: 26 Oct 2018 17:57

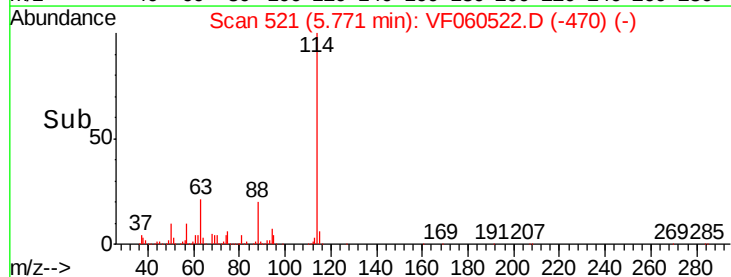
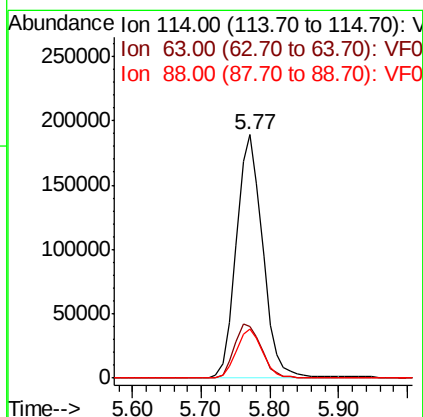
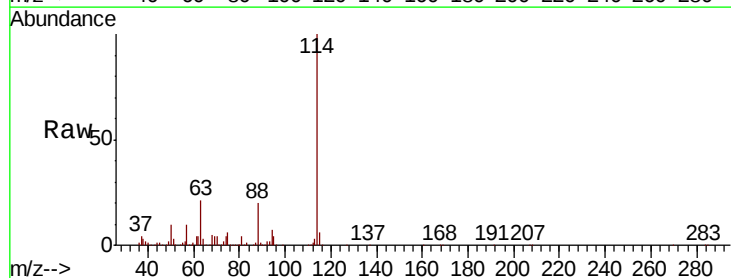
Instrument :
 MSVOA_F
 ClientSampleId :
 AOC1-01B

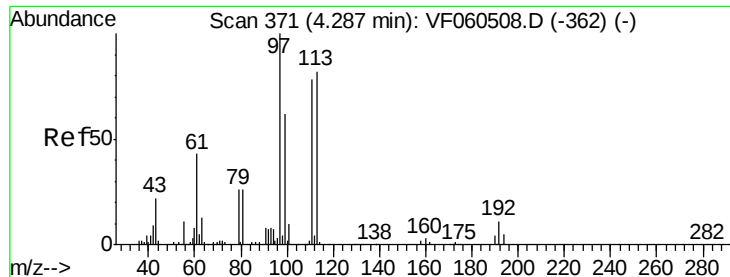
Tot Ion: 65 Resp: 224522
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060522.D
 Acq: 26 Oct 2018 17:57

Tgt Ion: 114 Resp: 503397
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 54.4
 88 19.9 0.0 47.2

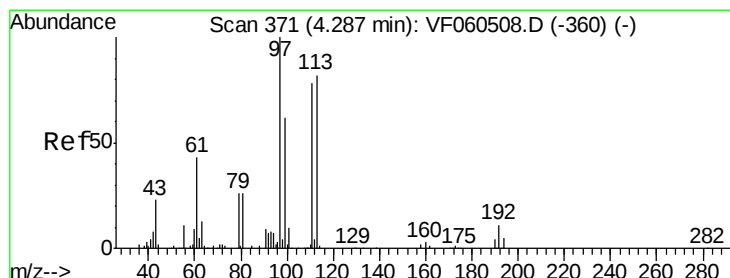
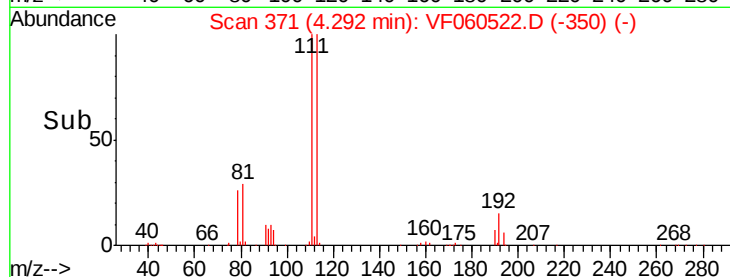
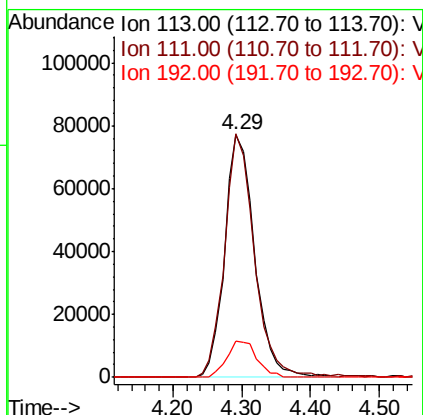
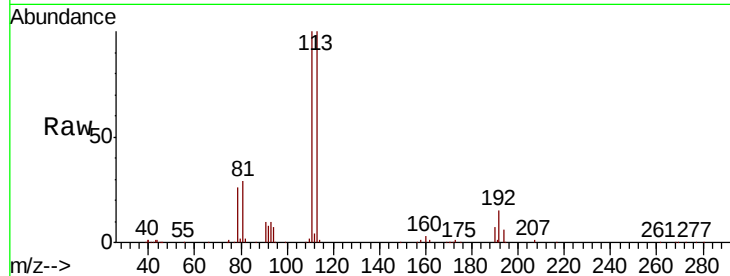




#35
Dibromofluoromethane
Concen: 38.723 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

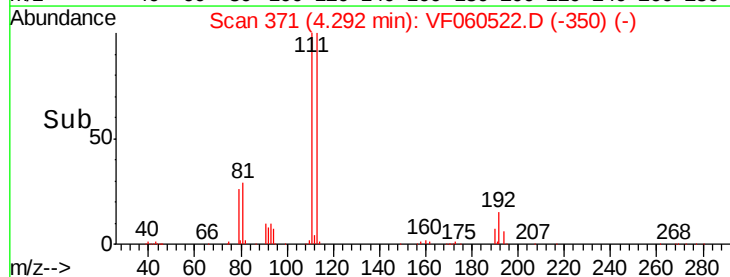
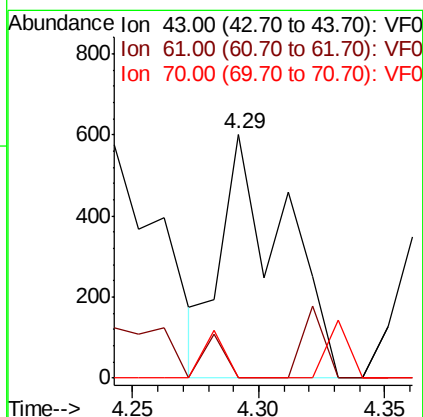
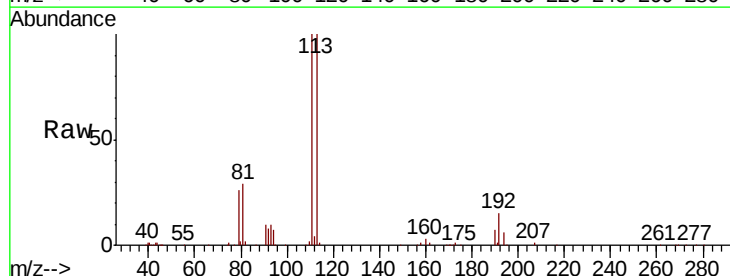
Instrument :
MSVOA_F
ClientSampleId :
AOC1-01B

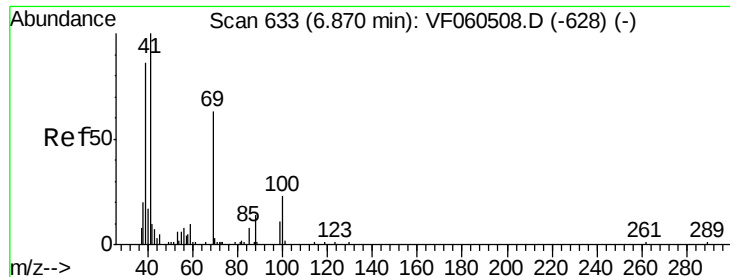
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	75.9	113.9
192	15.0	10.6	15.8



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

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

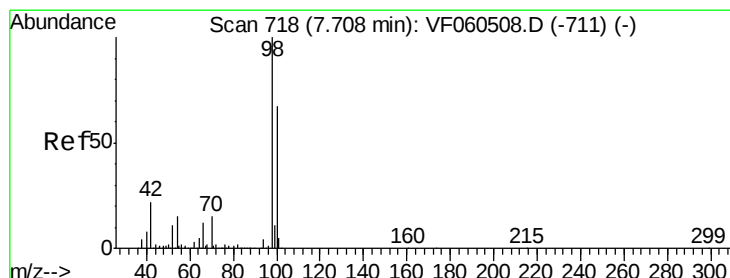
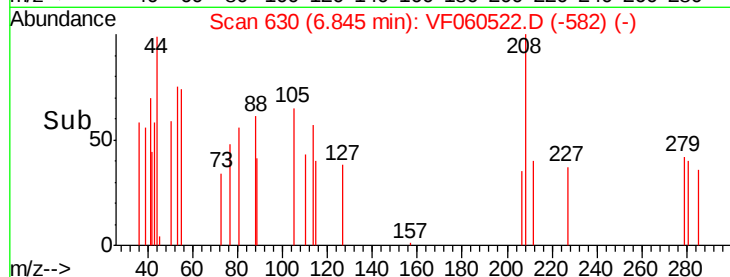
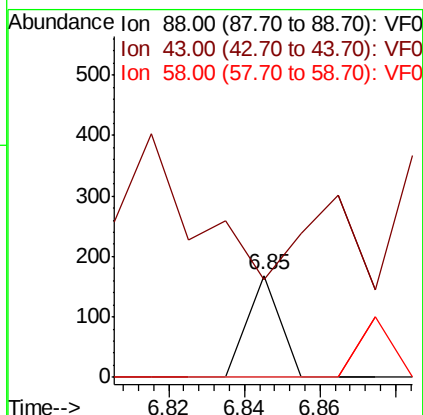
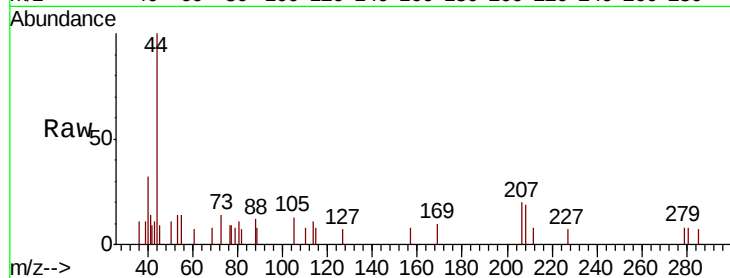




#49
1,4-Dioxane
Concen: 5.996 ug/l
RT: 6.85 min Scan# 630
Delta R.T. -0.02 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

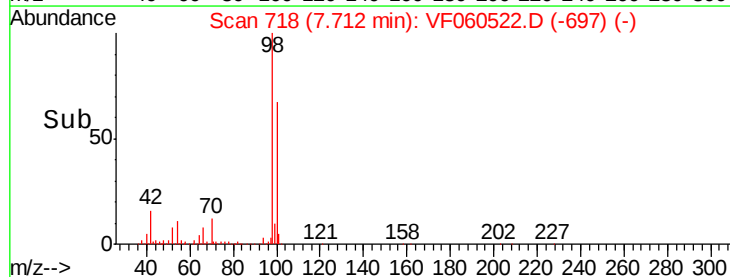
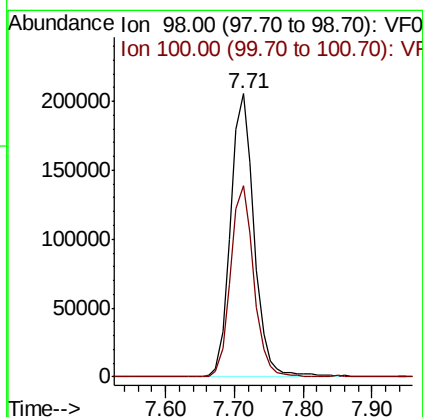
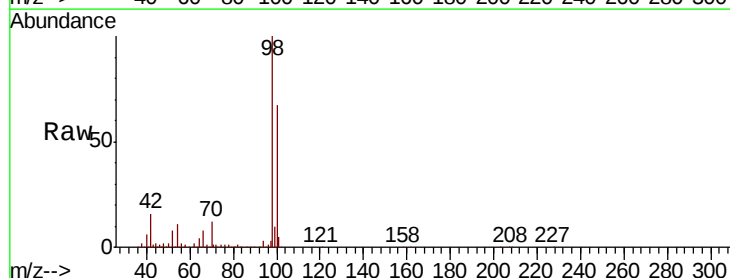
Instrument :
MSVOA_F
ClientSampleId :
AOC1-01B

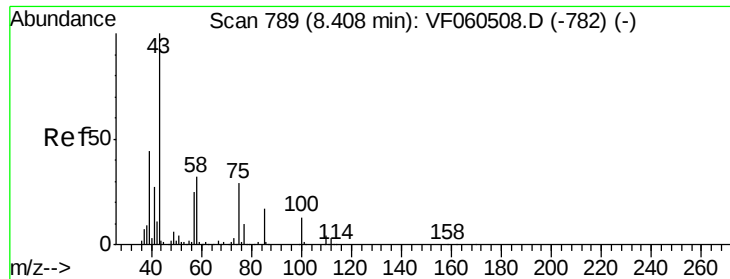
Tot Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 95.3 39.3 58.9#
58 0.0 35.0 52.6#



#50
Toluene-d8
Concen: 40.154 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060522.D
Acq: 26 Oct 2018 17:57

Tgt Ion: 98 Resp: 486244
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 1.724 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleId :

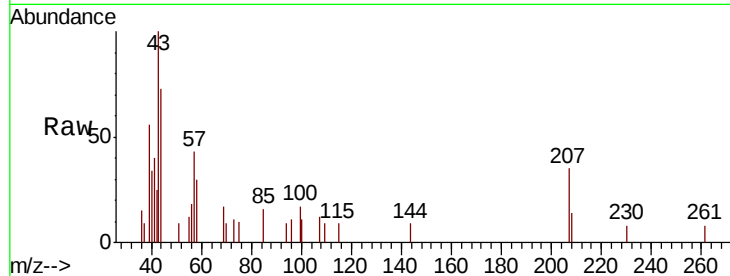
AOC1-01B

Tot Ion: 43 Resp: 3458

Ion Ratio Lower Upper

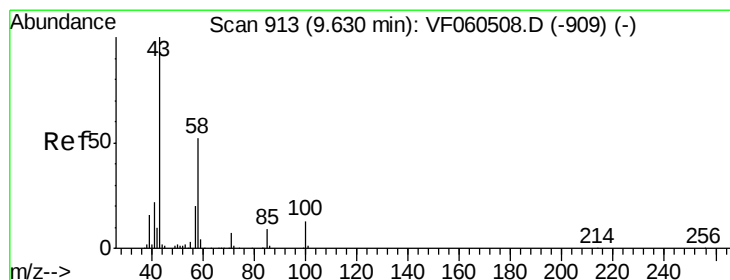
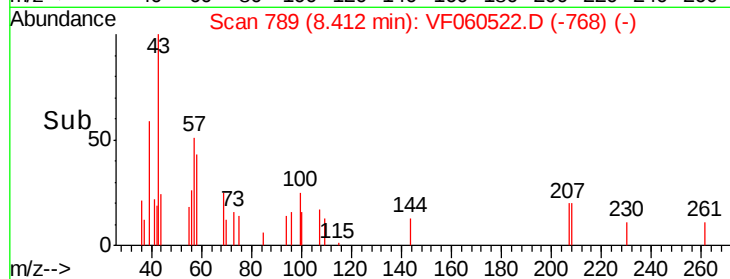
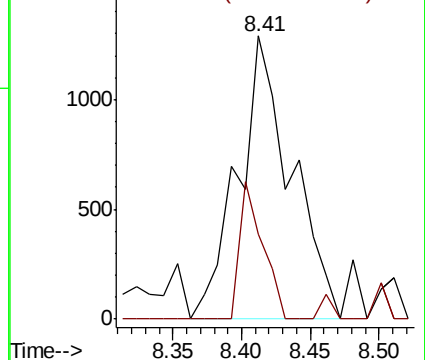
43 100

58 29.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.64 min Scan# 914

Delta R.T. 0.02 min

Lab File: VF060522.D

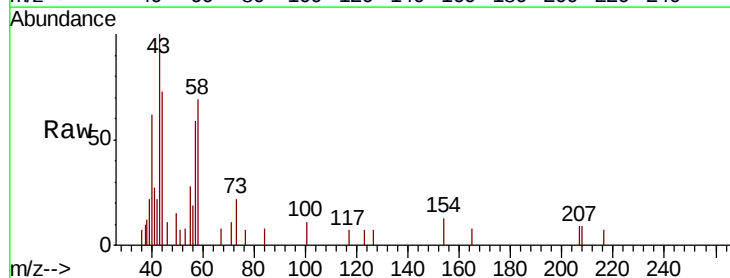
Acq: 26 Oct 2018 17:57

Tgt Ion: 43 Resp: 4127

Ion Ratio Lower Upper

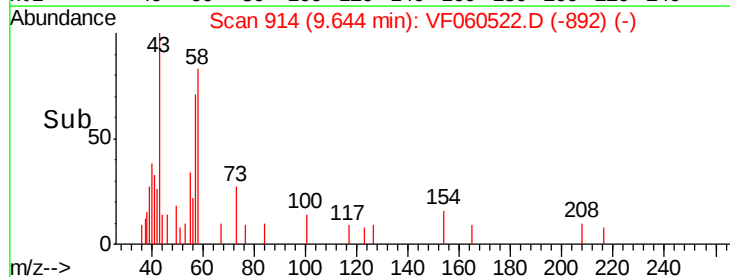
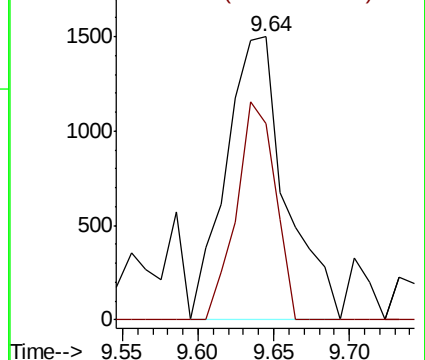
43 100

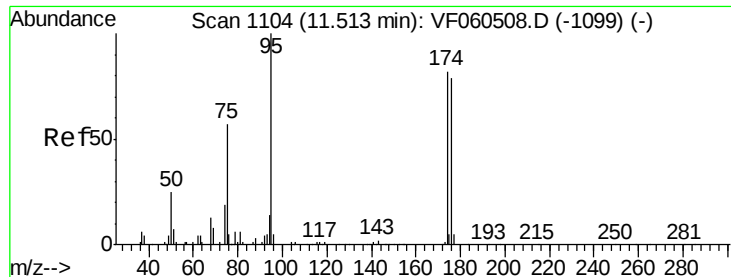
58 69.4 23.5 70.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 34.959 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleId :

AOC1-01B

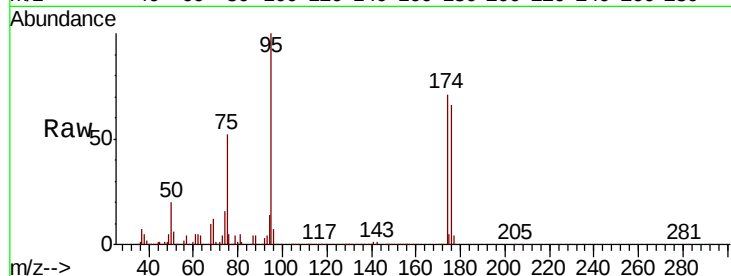
Tot Ion: 95 Resp: 235780

Ion Ratio Lower Upper

95 100

174 71.0 0.0 164.2

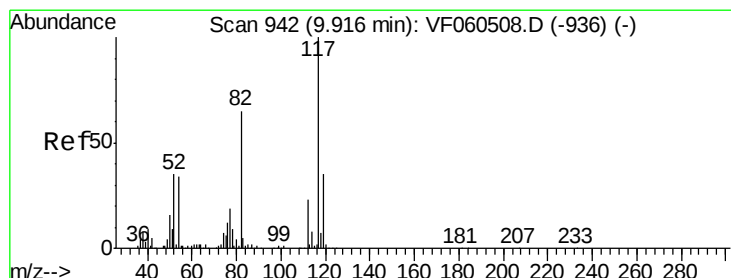
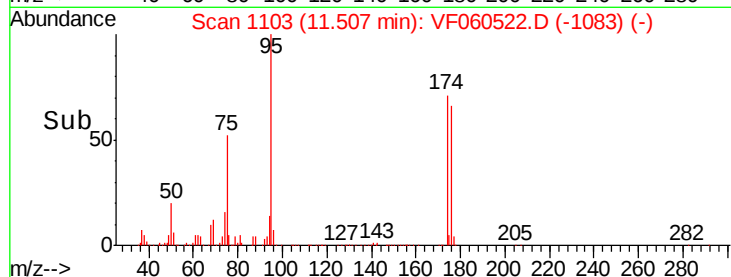
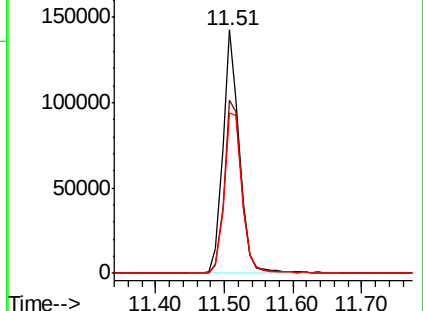
176 66.1 0.0 158.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

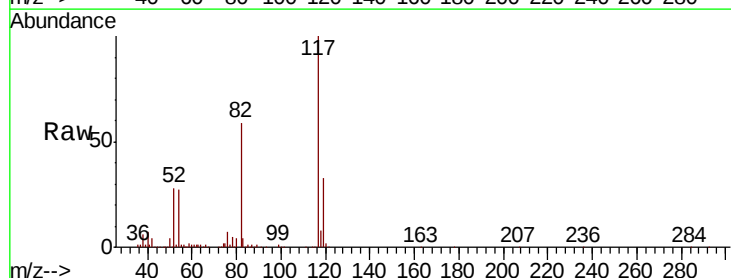
Tgt Ion: 117 Resp: 415875

Ion Ratio Lower Upper

117 100

82 59.4 51.7 77.5

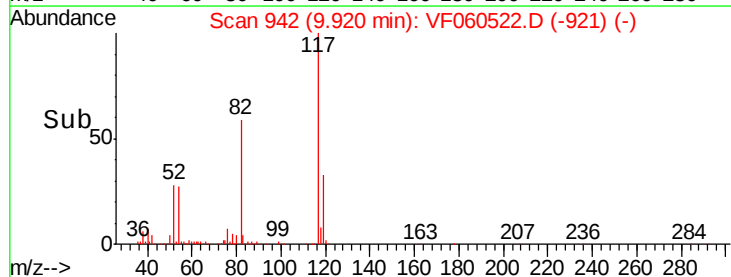
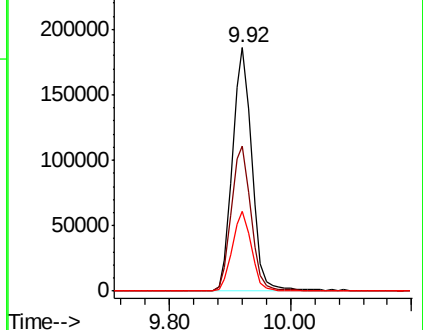
119 32.9 28.3 42.5

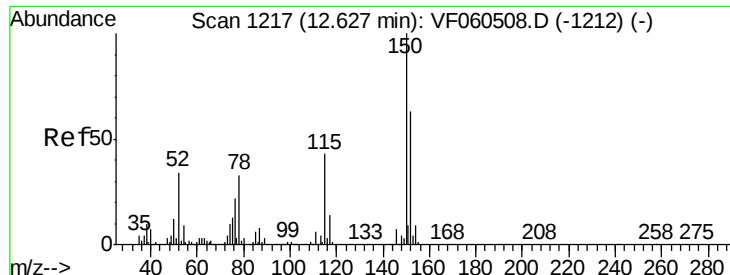


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060522.D

Acq: 26 Oct 2018 17:57

Instrument :

MSVOA_F

ClientSampleId :

AOC1-01B

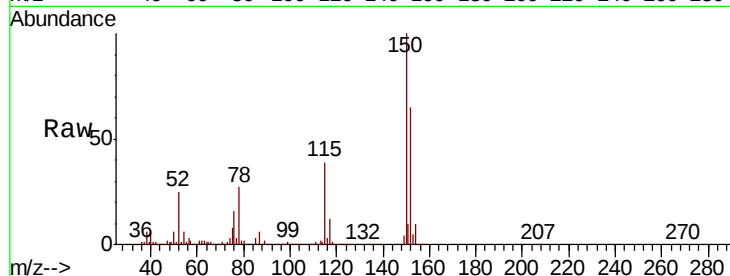
Tot Ion:152 Resp: 243488

Ion Ratio Lower Upper

152 100

115 59.6 34.6 103.9

150 154.6 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

