

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060527.D
 Acq On : 26 Oct 2018 20:20
 Operator : VA/AP
 Sample : J5204-11RE
 Misc : 6.81/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Oct 27 01:52:56 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	5.05	168	348587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	519179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	437694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	223643	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	254676	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	
35) Dibromofluoromethane	4.30	113	270448	43.46	ug/l	0.01
Spiked Amount			Recovery	=	86.92%	
50) Toluene-d8	7.71	98	546214	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	
62) 4-Bromofluorobenzene	11.51	95	224368	32.26	ug/l	0.00
Spiked Amount			Recovery	=	64.52%	

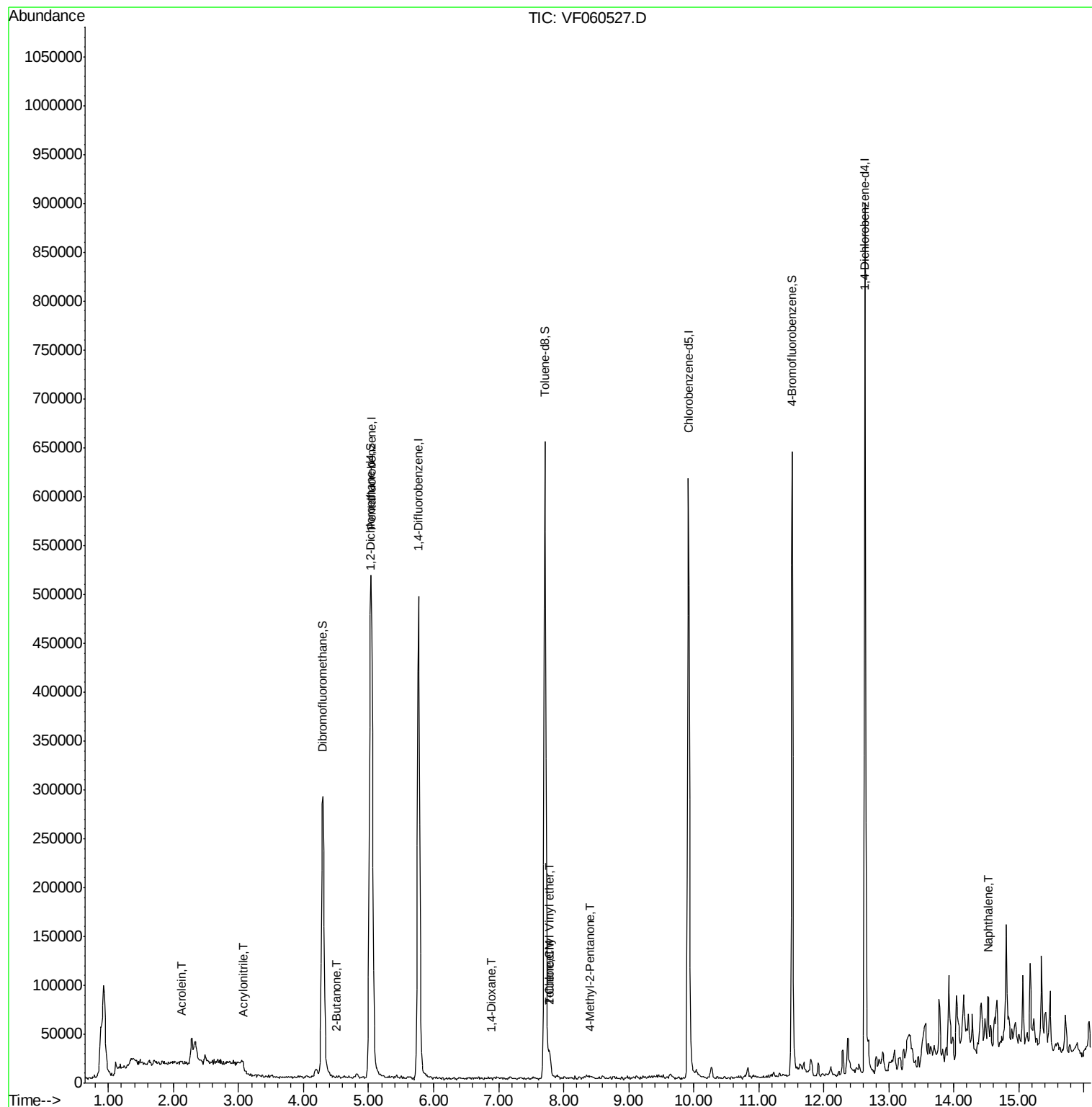
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	233	Below Cal	#	48
11) Tert butyl alcohol	2.68	59	916	Below Cal	#	50
13) Acrolein	2.13	56	571	1.853	ug/l #	75
15) Acrylonitrile	3.08	53	1691	3.032	ug/l #	24
16) Acetone	2.22	43	1020	Below Cal		95
20) Methylene Chloride	2.29	84	13410	Below Cal	#	80
25) 2-Butanone	4.51	43	1988	1.616	ug/l #	89
29) Tetrahydrofuran	4.26	42	788	Below Cal	#	84
37) Ethyl Acetate	4.32	43	177	Below Cal	#	1
49) 1,4-Dioxane	6.89	88	287	16.687	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	3381	1.634	ug/l #	80
52) Toluene	7.78	92	13689	1.647	ug/l	76
58) 2-Chloroethyl Vinyl ether	7.78	63	2057	5.299	ug/l	100
59) 2-Hexanone	9.64	43	3314	Below Cal		66
95) Naphthalene	14.52	128	15520	1.674	ug/l #	79

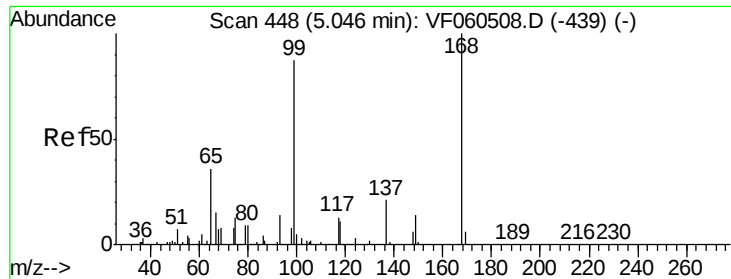
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.05 min Scan# 448

Delta R.T. 0.00 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

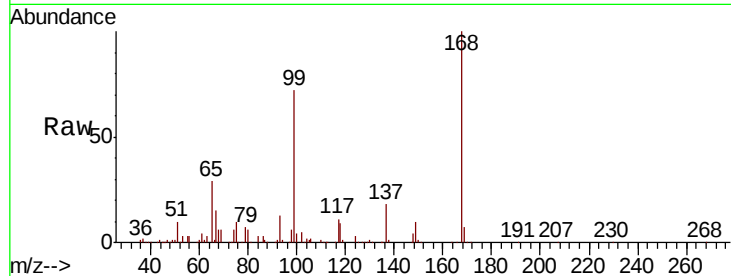
SU-02-102518-B

Tot Ion:168 Resp: 348587

Ion Ratio Lower Upper

168 100

99 72.3 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

120000

100000

80000

60000

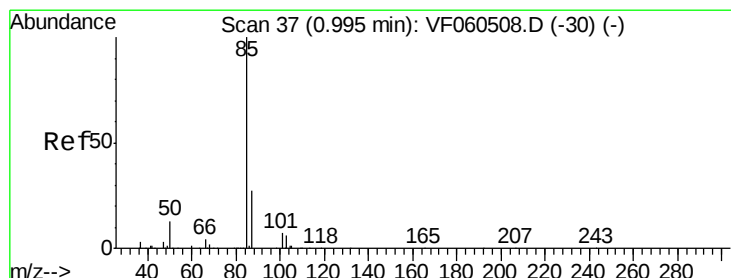
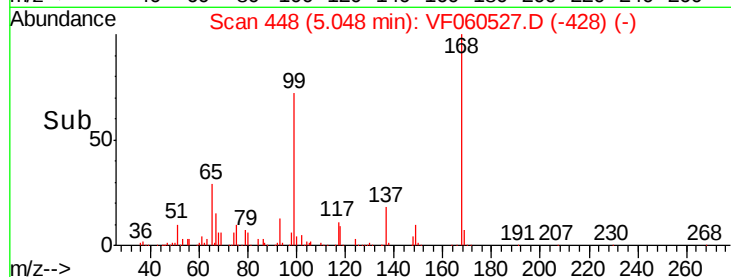
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060527.D

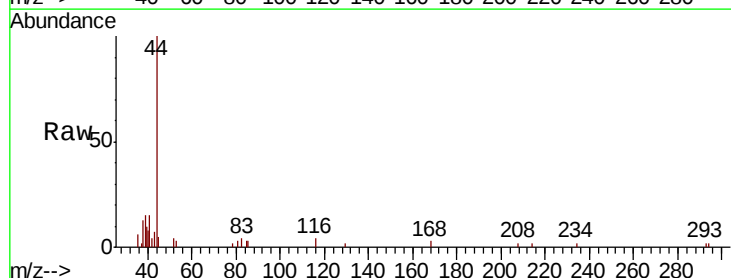
Acq: 26 Oct 2018 20:20

Tgt Ion: 85 Resp: 233

Ion Ratio Lower Upper

85 100

87 0.0 13.5 40.4#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

300

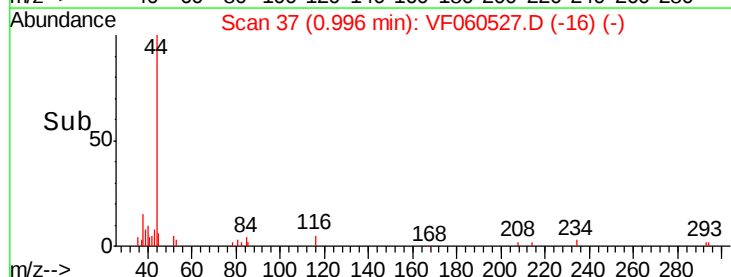
200

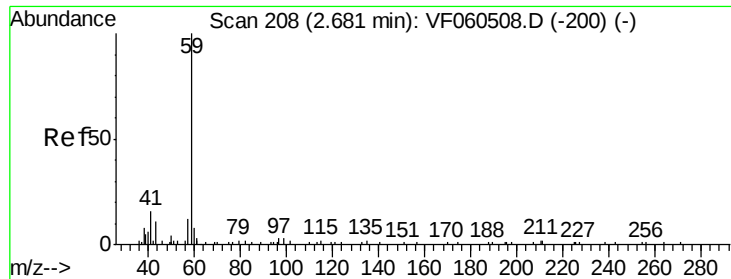
100

0

Time-->

0.96 0.98 1.00 1.02



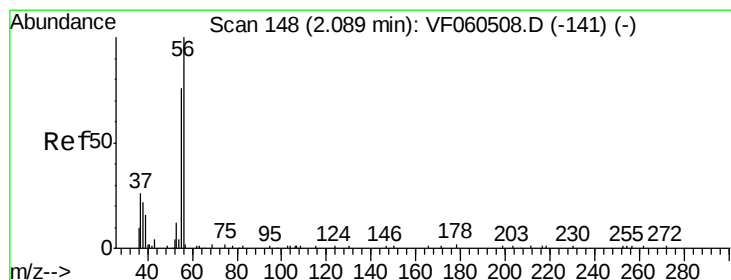
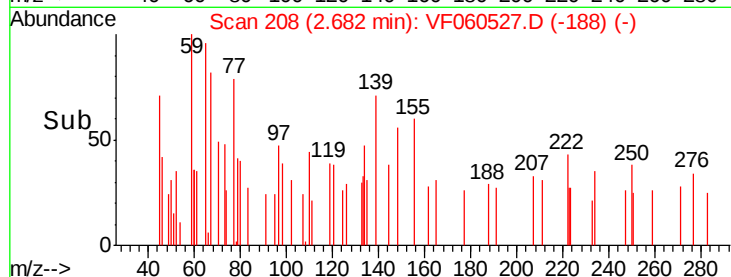
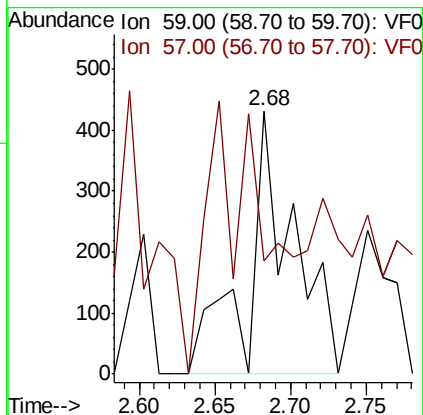
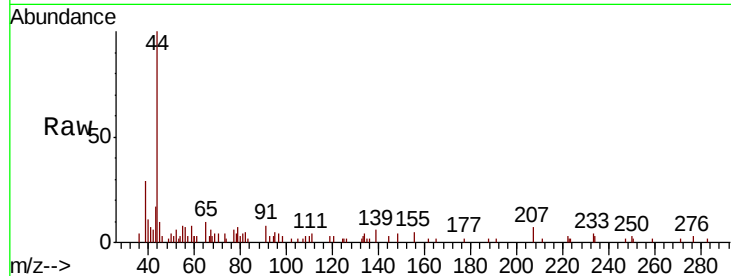


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060527.D
 Acq: 26 Oct 2018 20:20

Instrument :
 MSVOA_F
 ClientSampled :
 SU-02-102518-B

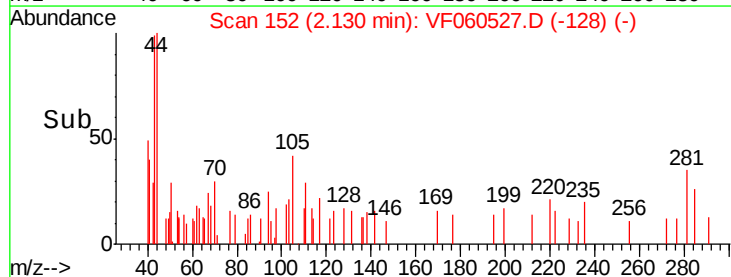
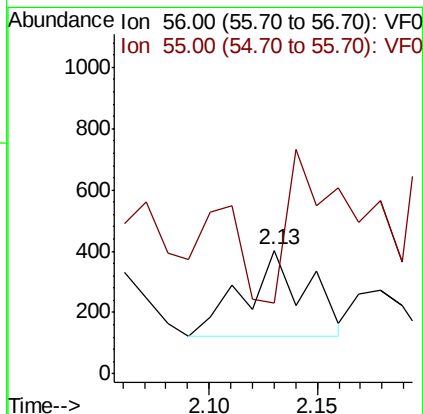
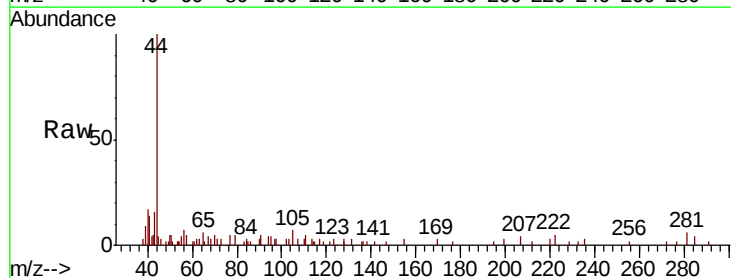
Tot Ion: 59 Resp: 916
 Ion Ratio Lower Upper
 59 100
 57 42.8 15.8 23.8#

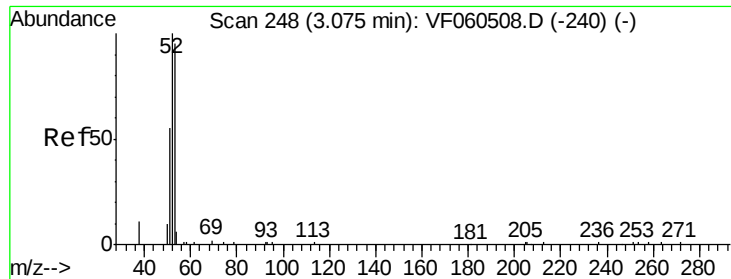


#13

Acrolein
 Concen: 1.853 ug/l
 RT: 2.13 min Scan# 152
 Delta R.T. 0.04 min
 Lab File: VF060527.D
 Acq: 26 Oct 2018 20:20

Tgt Ion: 56 Resp: 571
 Ion Ratio Lower Upper
 56 100
 55 56.8 63.0 94.4#





#15

Acrylonitrile

Concen: 3.032 ug/l

RT: 3.08 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-B

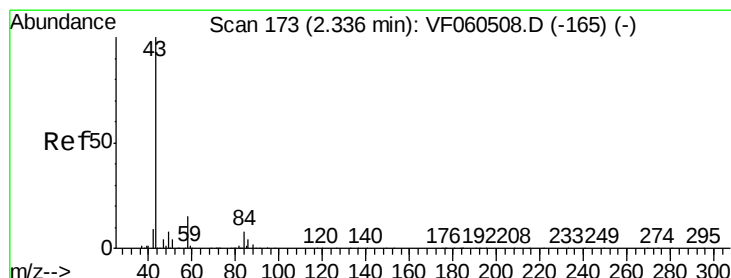
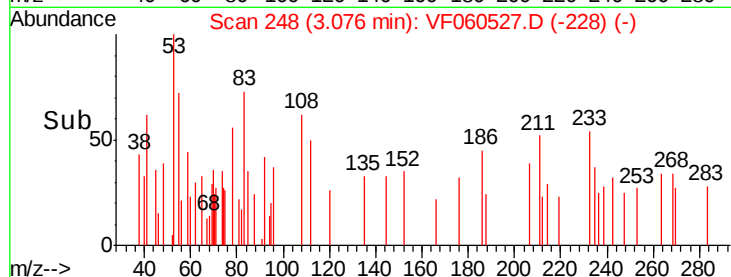
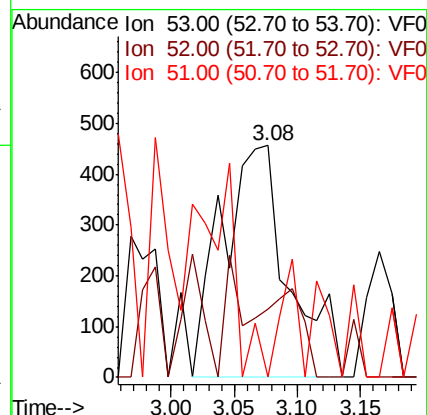
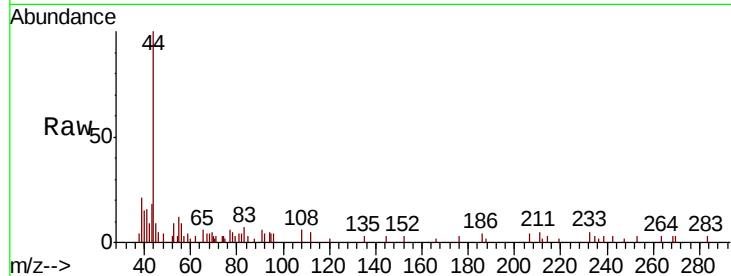
Tot Ion: 53 Resp: 1691

Ion Ratio Lower Upper

53 100

52 29.6 84.0 126.0#

51 0.0 48.6 73.0#



#16

Acetone

Concen: Below Cal

RT: 2.22 min Scan# 161

Delta R.T. -0.12 min

Lab File: VF060527.D

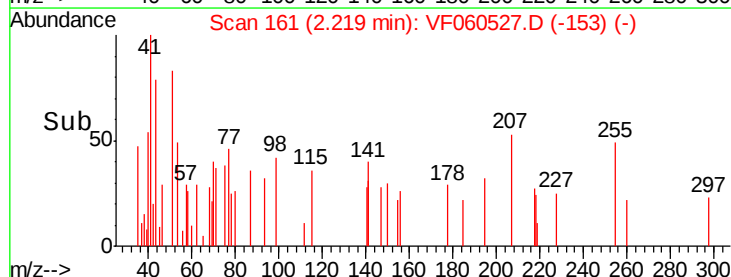
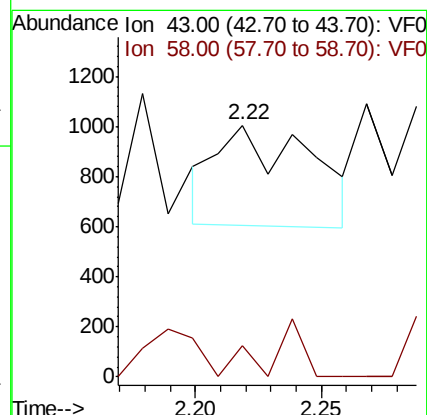
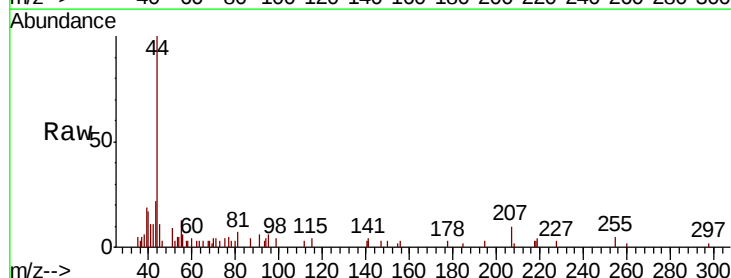
Acq: 26 Oct 2018 20:20

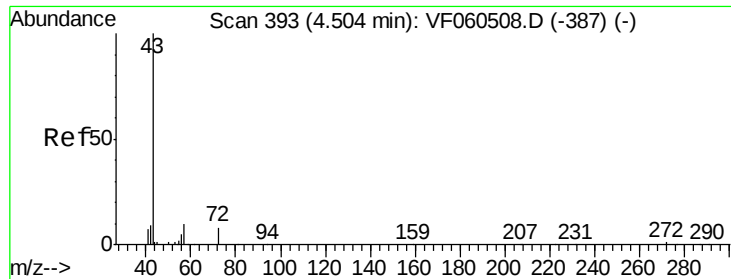
Tgt Ion: 43 Resp: 1020

Ion Ratio Lower Upper

43 100

58 12.6 11.7 17.5





#25

2-Butanone

Concen: 1.616 ug/l

RT: 4.51 min Scan# 393

Delta R.T. 0.00 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

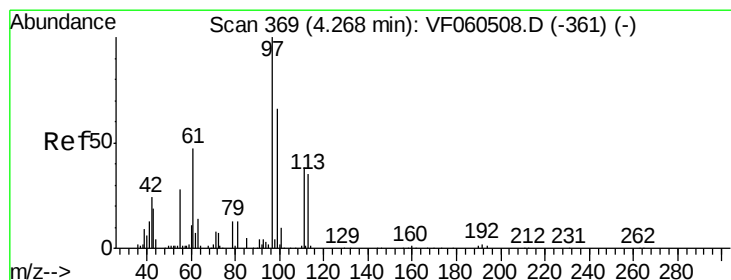
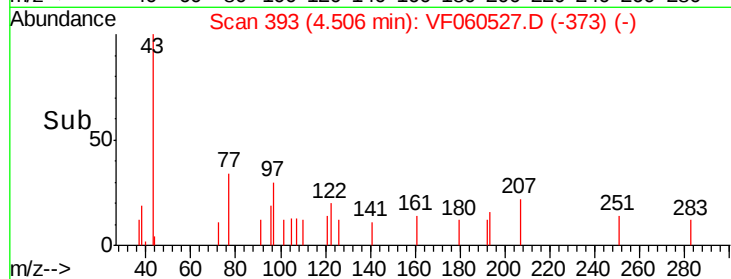
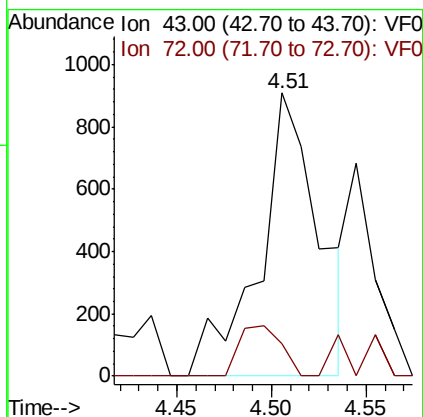
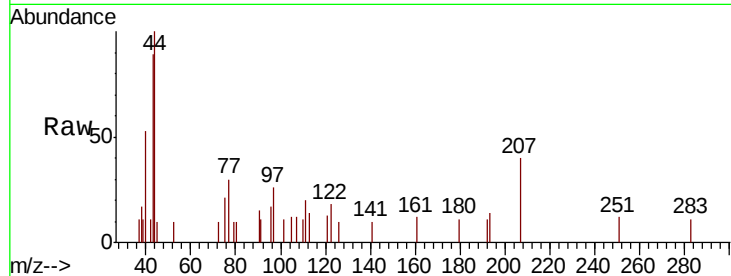
SU-02-102518-B

Tot Ion: 43 Resp: 1988

Ion Ratio Lower Upper

43 100

72 11.5 13.0 19.6#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

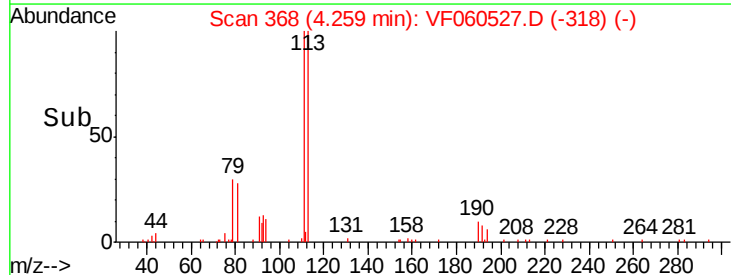
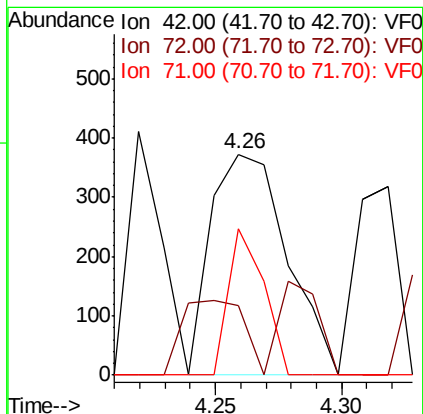
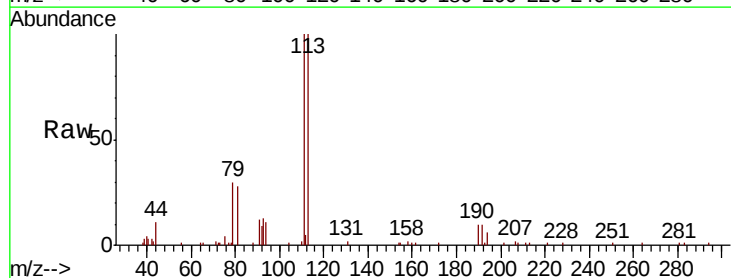
Tgt Ion: 42 Resp: 788

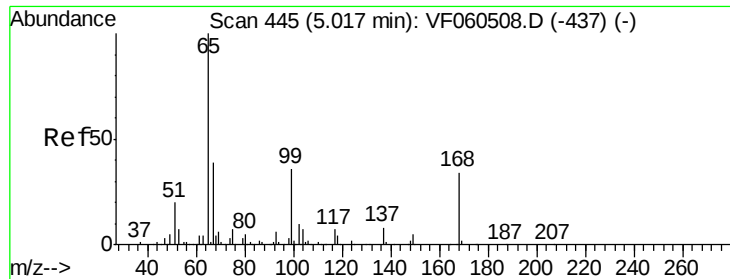
Ion Ratio Lower Upper

42 100

72 27.4 32.1 48.1#

71 30.5 29.7 44.5

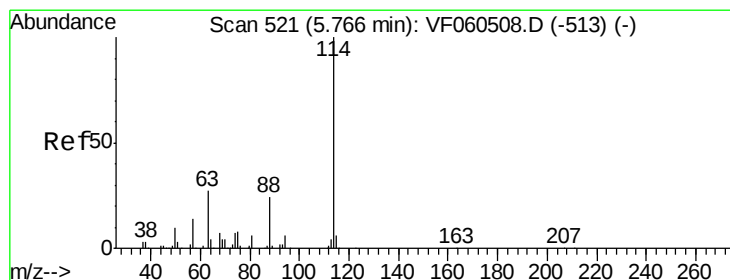
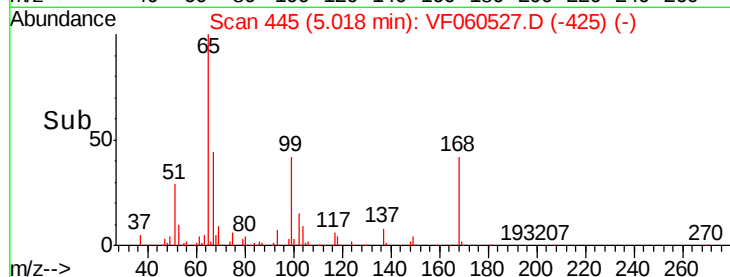
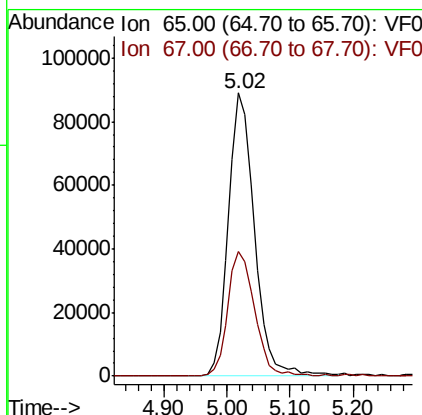
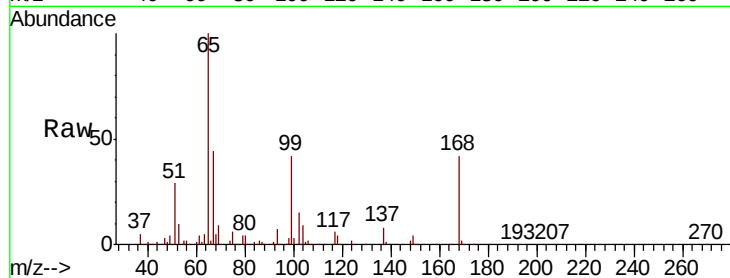




#33
 1,2-Dichloroethane-d4
 Concen: 36.758 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060527.D
 Acq: 26 Oct 2018 20:20

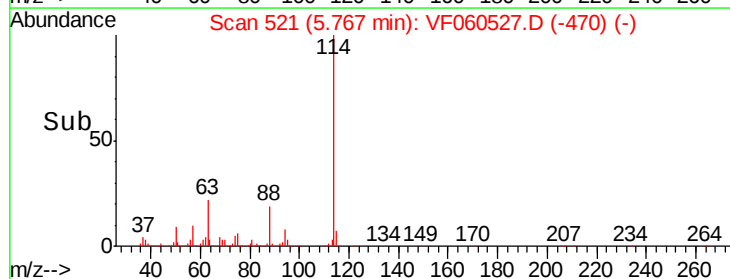
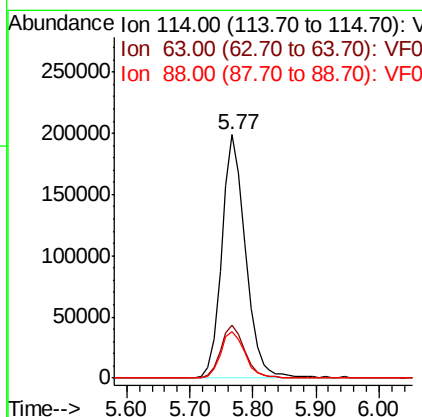
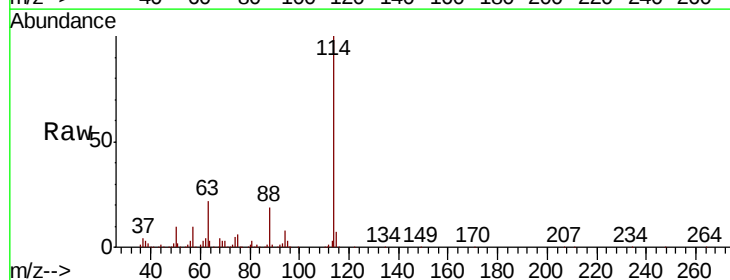
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-102518-B

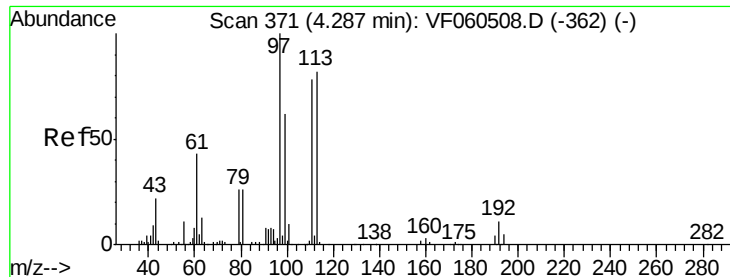
Tot Ion: 65 Resp: 254676
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060527.D
 Acq: 26 Oct 2018 20:20

Tgt Ion: 114 Resp: 519179
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 54.4
 88 19.1 0.0 47.2





#35

Dibromofluoromethane

Concen: 43.458 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-B

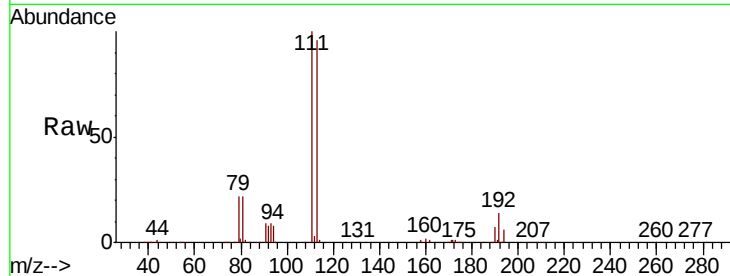
Tot Ion:113 Resp: 270448

Ion Ratio Lower Upper

113 100

111 103.8 75.9 113.9

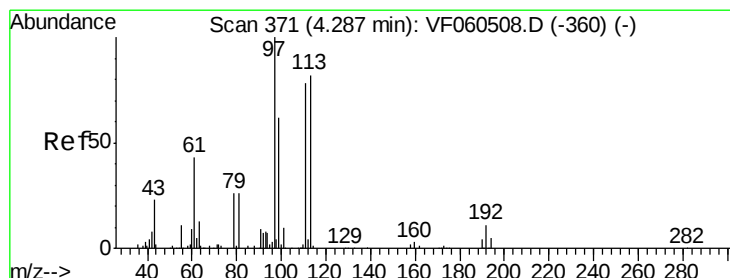
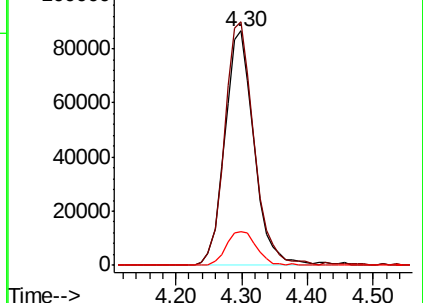
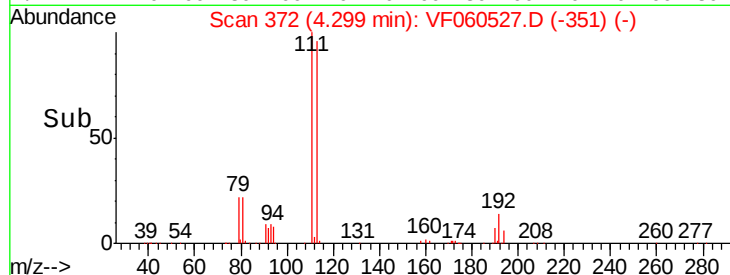
192 14.3 10.6 15.8



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: Below Cal

RT: 4.32 min Scan# 374

Delta R.T. 0.03 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

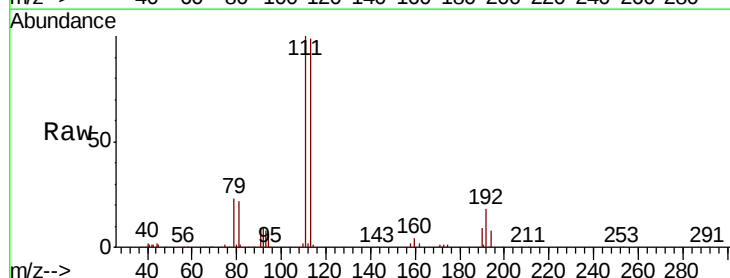
Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

43 100

61 0.0 148.5 222.7#

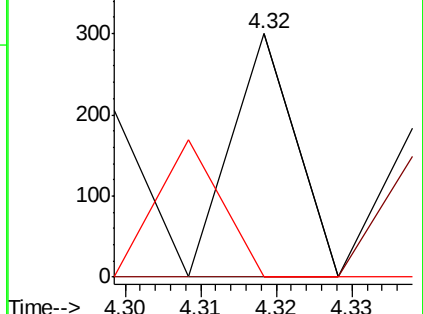
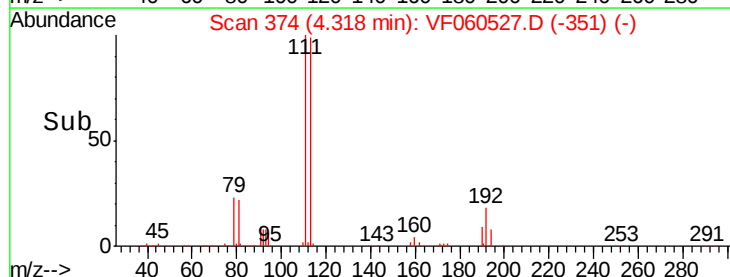
70 0.0 4.7 7.1#

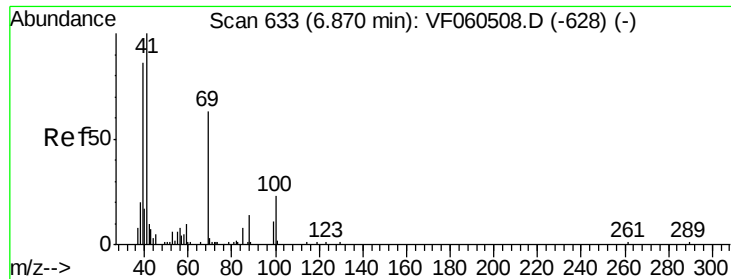


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#49

1,4-Dioxane

Concen: 16.687 ug/l

RT: 6.89 min Scan# 635

Delta R.T. 0.02 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

SU-02-102518-B

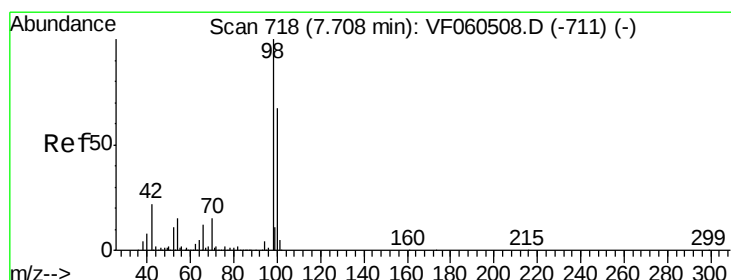
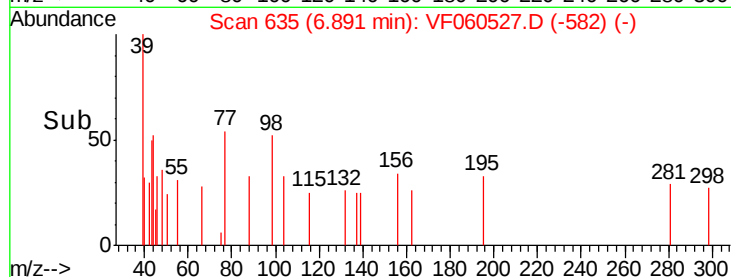
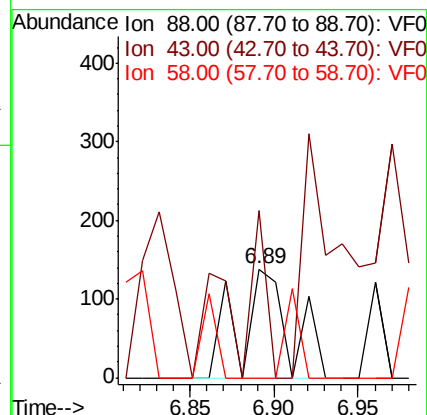
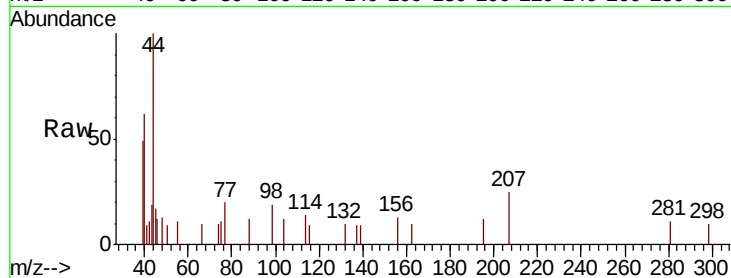
Tot Ion: 88 Resp: 287

Ion Ratio Lower Upper

88 100

43 154.3 39.3 58.9#

58 0.0 35.0 52.6#



#50

Toluene-d8

Concen: 43.735 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060527.D

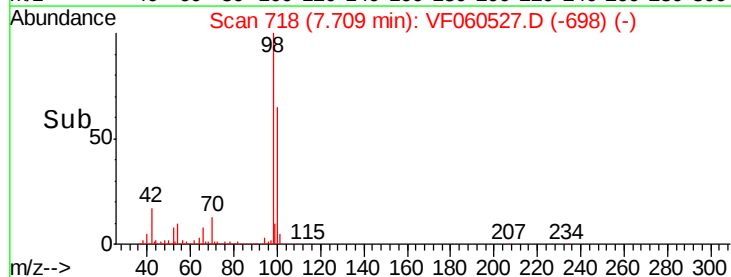
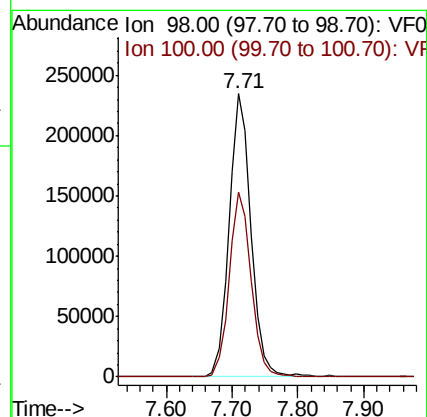
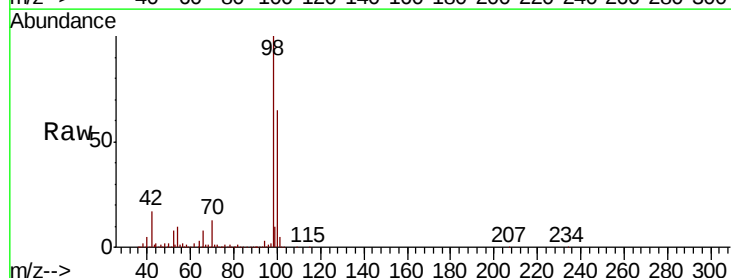
Acq: 26 Oct 2018 20:20

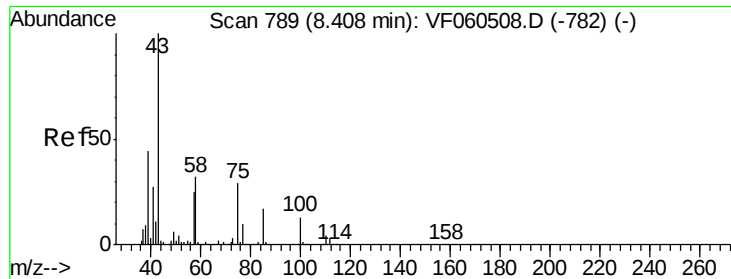
Tgt Ion: 98 Resp: 546214

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 1.634 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060527.D

Acq: 26 Oct 2018 20:20

Instrument :

MSVOA_F

ClientSampleId :

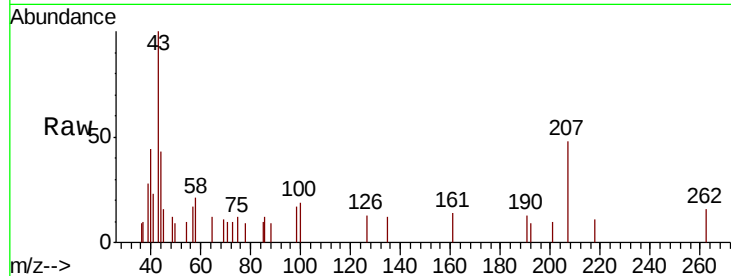
SU-02-102518-B

Tot Ion: 43 Resp: 3381

Ion Ratio Lower Upper

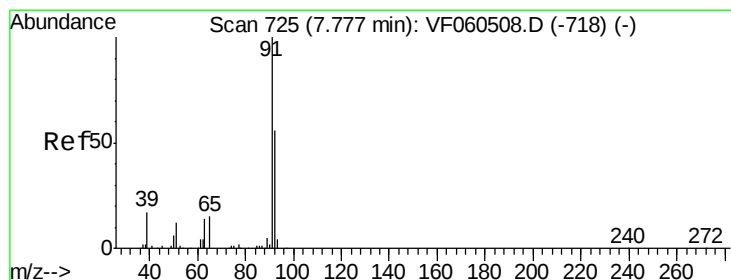
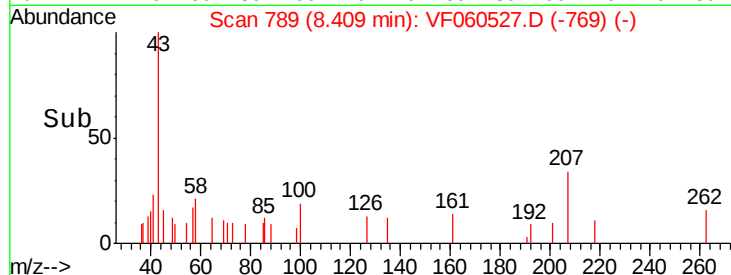
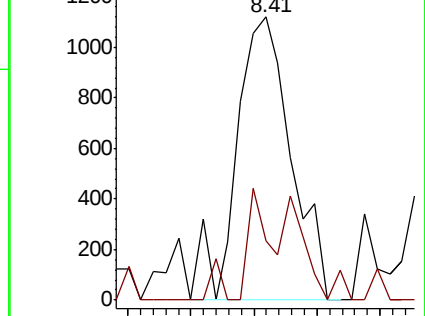
43 100

58 20.9 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 1.647 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060527.D

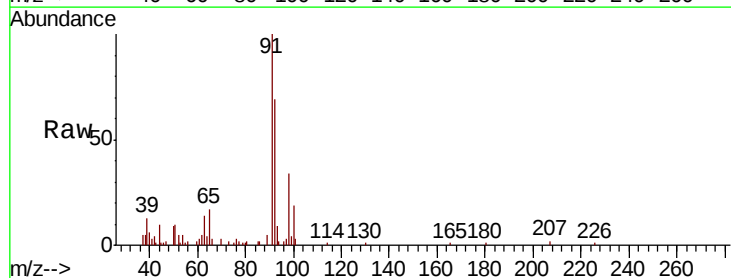
Acq: 26 Oct 2018 20:20

Tgt Ion: 92 Resp: 13689

Ion Ratio Lower Upper

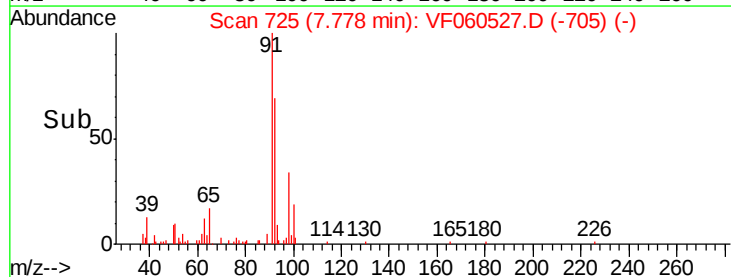
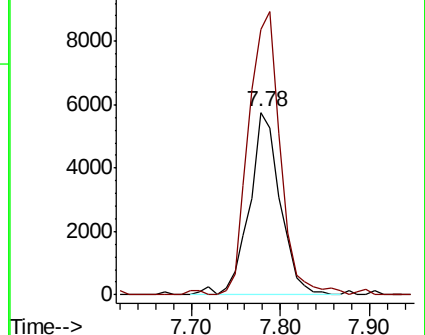
92 100

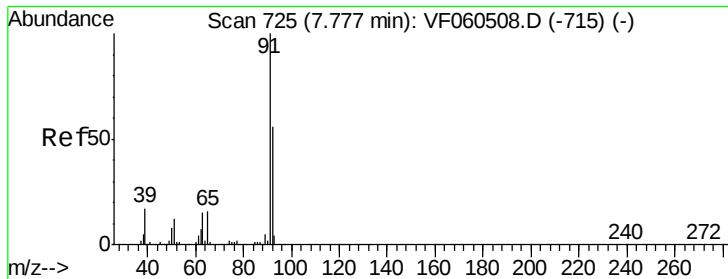
91 145.6 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

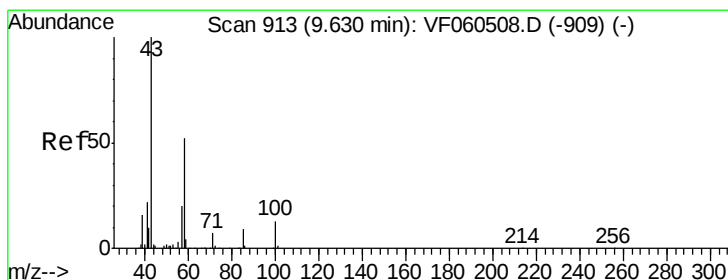
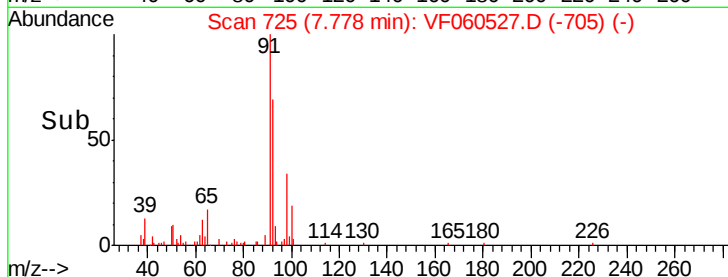
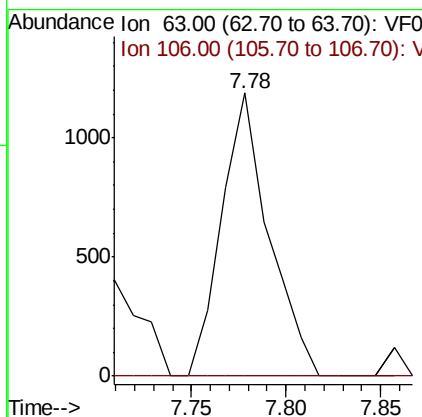
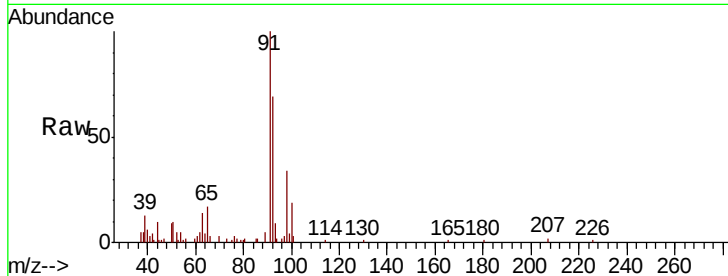




#58
2-Chloroethyl Vinyl ether
Concen: 5.299 ug/l
RT: 7.78 min Scan# 725
Delta R.T. 0.00 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

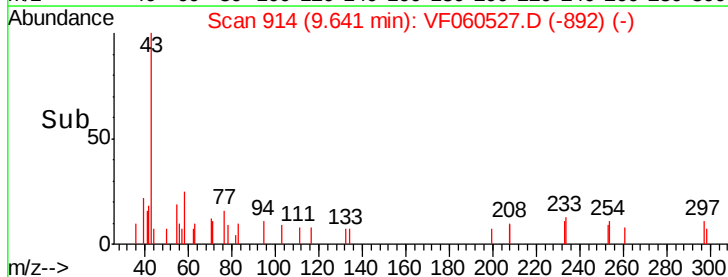
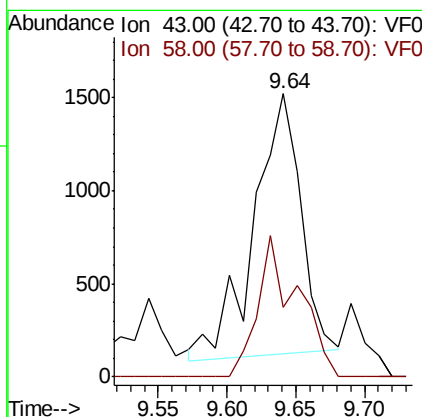
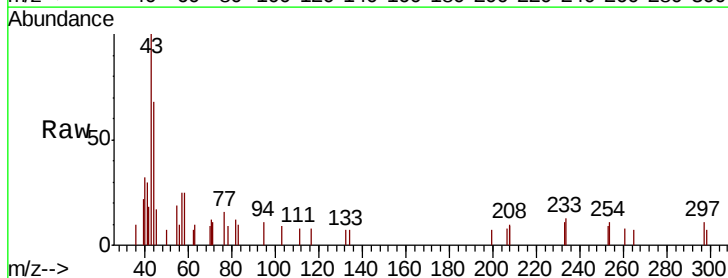
Instrument :
MSVOA_F
ClientSampleId :
SU-02-102518-B

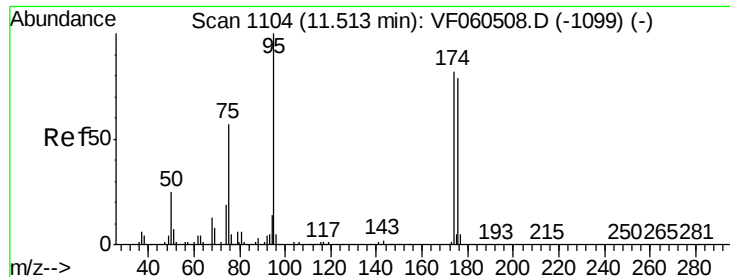
Tot Ion: 63 Resp: 2057
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 914
Delta R.T. 0.01 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

Tgt Ion: 43 Resp: 3314
Ion Ratio Lower Upper
43 100
58 24.6 23.5 70.5

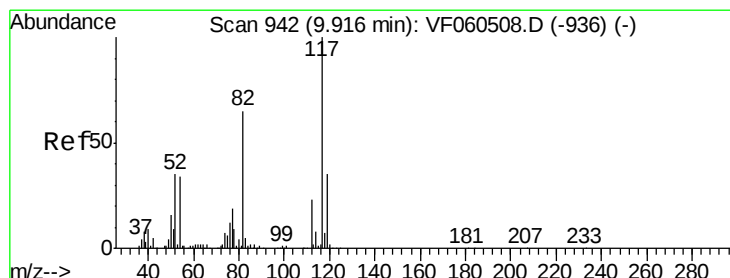
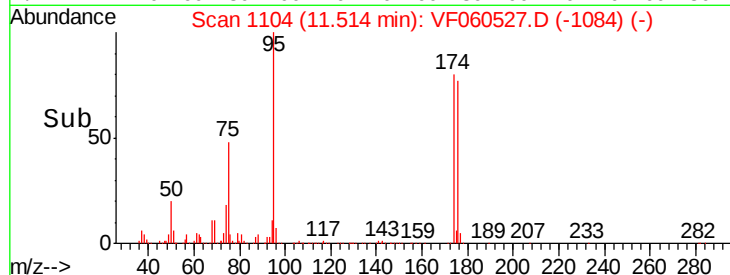
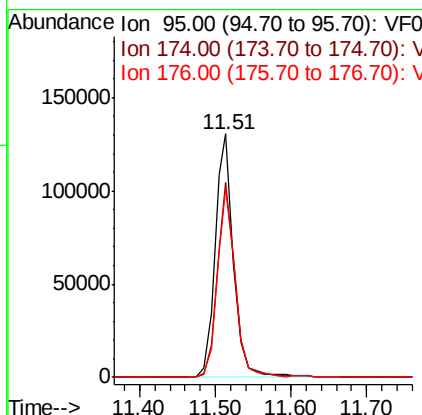
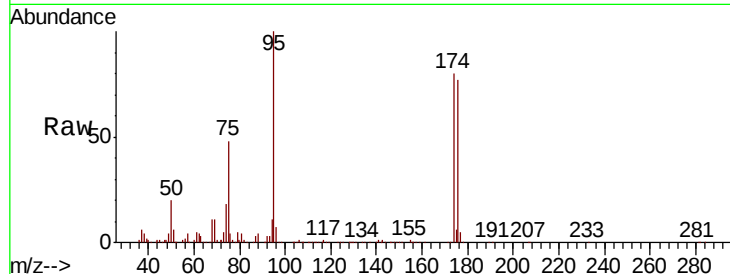




#62
4-Bromofluorobenzene
Concen: 32.255 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

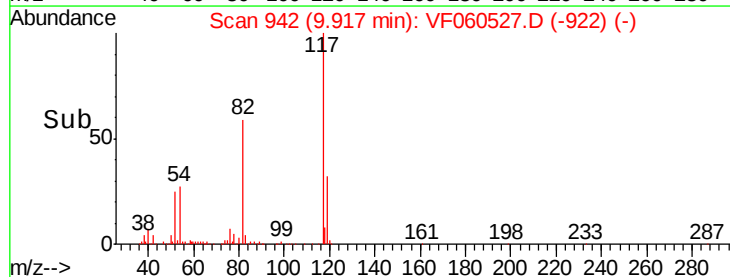
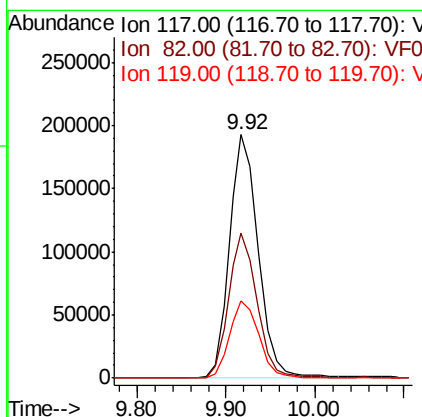
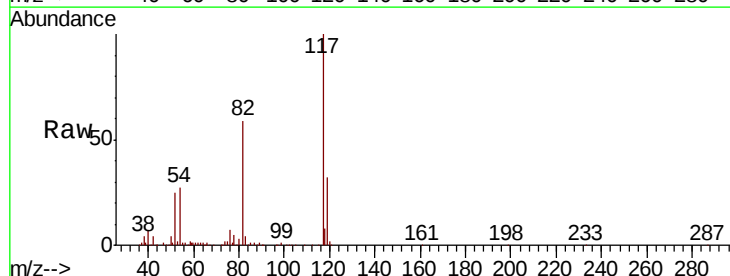
Instrument :
MSVOA_F
ClientSampled :
SU-02-102518-B

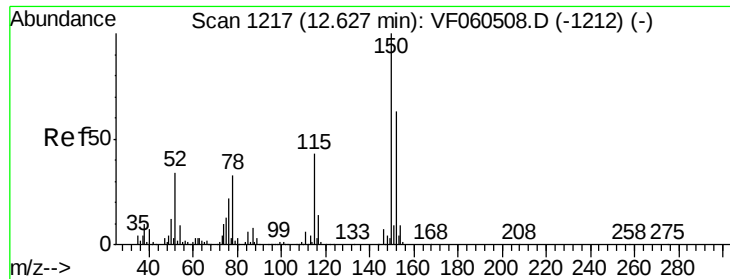
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	164.2
176	77.4	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.5	51.7	77.5
119	31.8	28.3	42.5



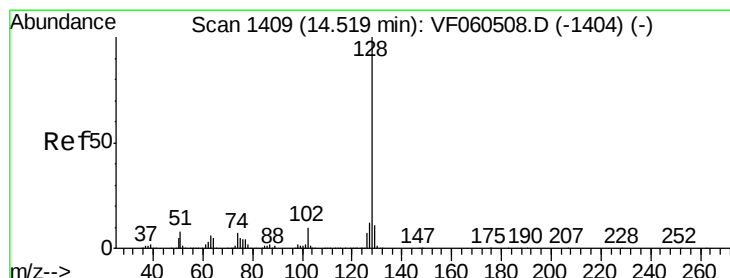
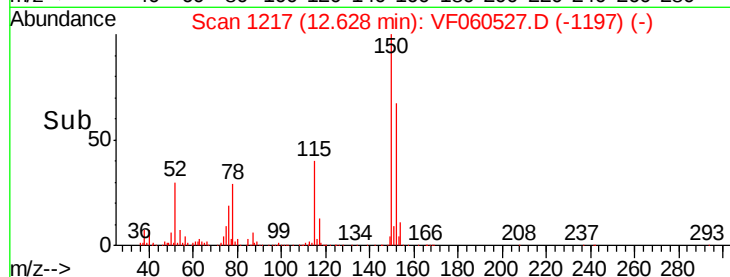
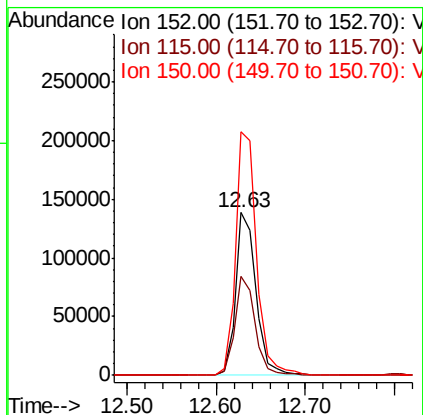
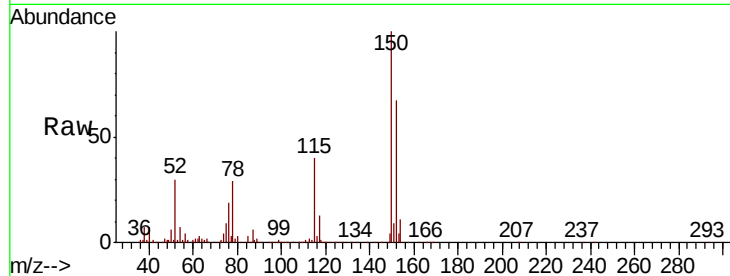


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

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

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	34.6	103.9
150	149.6	0.0	319.8



#95

Naphthalene
Concen: 1.674 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060527.D
Acq: 26 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.0	15.0
129	25.7	8.9	13.3#

