

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060529.D
 Acq On : 26 Oct 2018 21:17
 Operator : VA/AP
 Sample : J5204-15RE
 Misc : 6.32/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-102518-B

Quant Time: Oct 27 01:53:27 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	306422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	506873	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	424912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	218959	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	243047	39.91	ug/l	0.00
Spiked Amount			Recovery	=	79.82%	
35) Dibromofluoromethane	4.29	113	257634	42.40	ug/l	0.00
Spiked Amount			Recovery	=	84.80%	
50) Toluene-d8	7.71	98	548000	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
62) 4-Bromofluorobenzene	11.52	95	232169	34.19	ug/l	0.00
Spiked Amount			Recovery	=	68.38%	

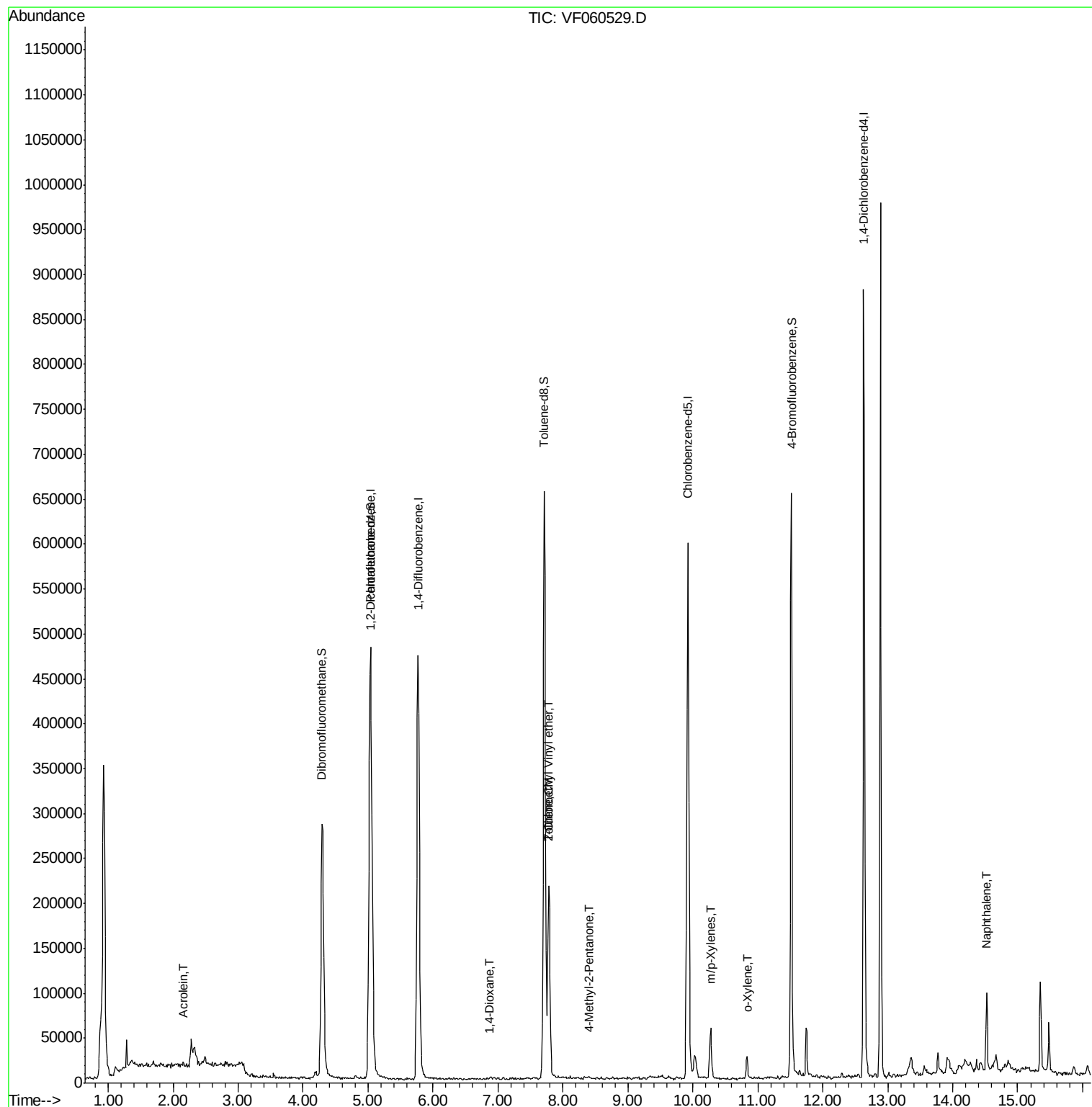
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	584	Below Cal	#	48
11) Tert butyl alcohol	2.70	59	571	Below Cal	#	53
13) Acrolein	2.15	56	418	1.543	ug/l	97
16) Acetone	2.34	43	12313	Below Cal		98
20) Methylene Chloride	2.28	84	11029	Below Cal	#	82
29) Tetrahydrofuran	4.27	42	1588	Below Cal	#	49
37) Ethyl Acetate	4.33	43	380	Below Cal	#	1
49) 1,4-Dioxane	6.86	88	167	9.945	ug/l #	30
51) 4-Methyl-2-Pentanone	8.40	43	2338	1.158	ug/l #	88
52) Toluene	7.78	92	110774	13.649	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.78	63	18597	49.075	ug/l	100
59) 2-Hexanone	9.65	43	2756	Below Cal		99
68) m/p-Xylenes	10.27	106	18106	3.162	ug/l	89
69) o-Xylene	10.84	106	7031	1.094	ug/l	65
95) Naphthalene	14.52	128	42810	4.715	ug/l	97

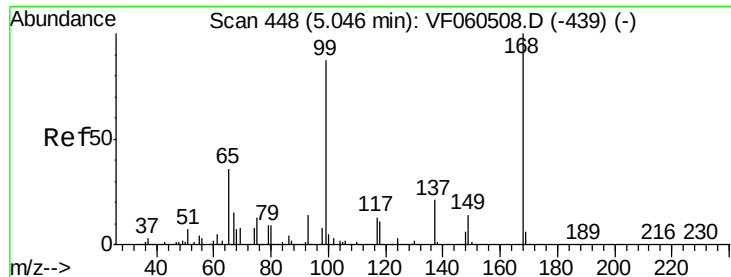
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 447

Delta R.T. -0.01 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

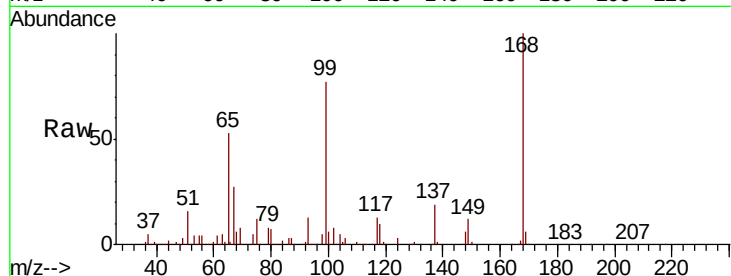
SU-01-102518-B

Tot Ion:168 Resp: 306422

Ion Ratio Lower Upper

168 100

99 76.8 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

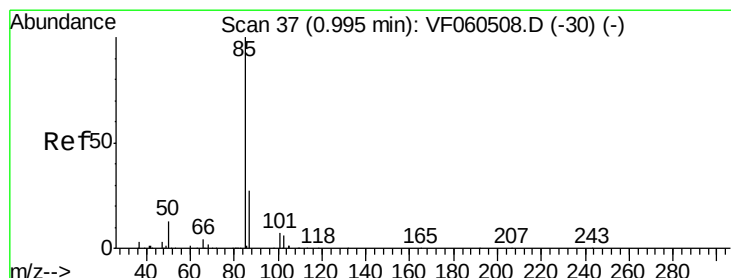
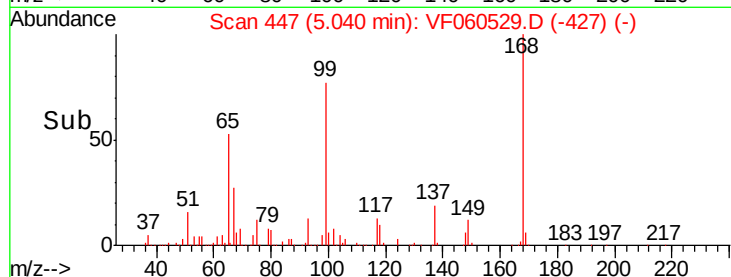
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060529.D

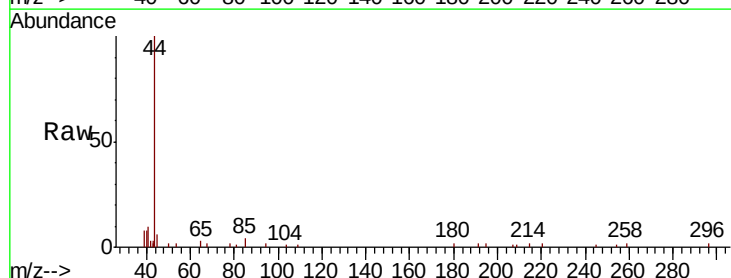
Acq: 26 Oct 2018 21:17

Tgt Ion: 85 Resp: 584

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

1.01

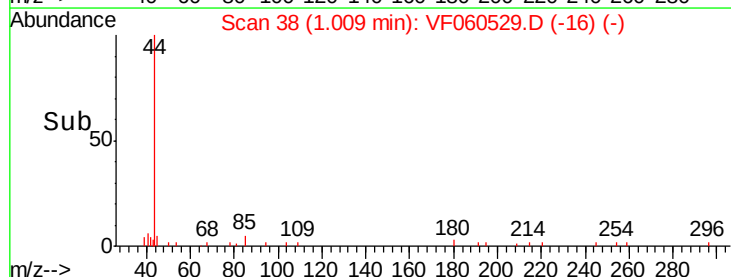
300

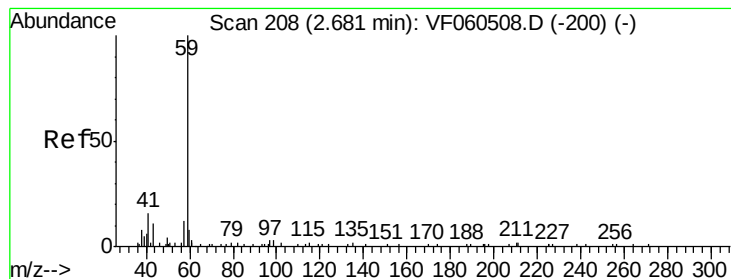
200

100

0

Time-->



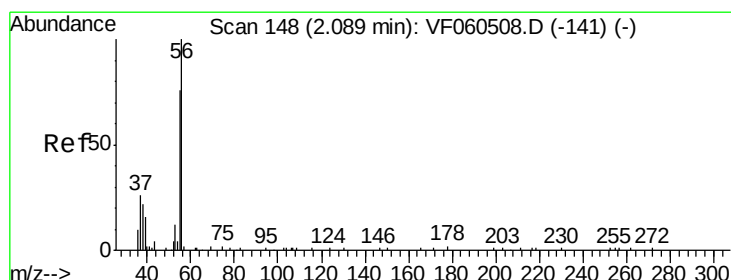
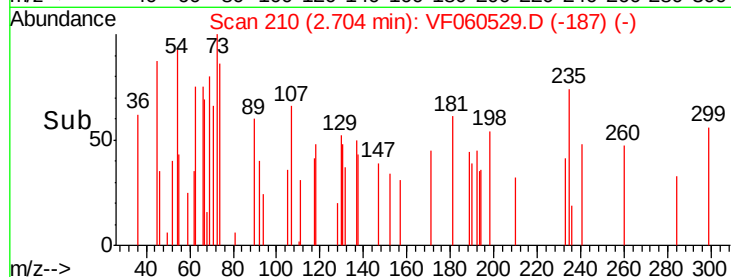
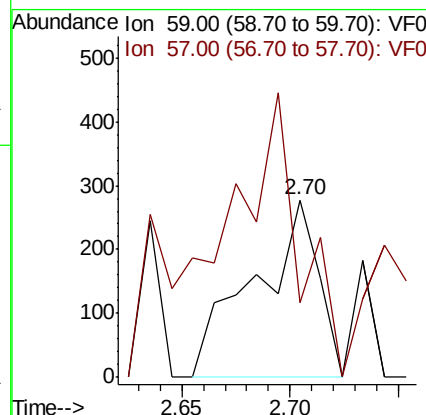
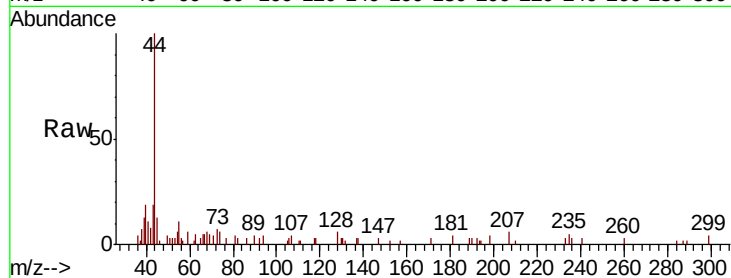


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.70 min Scan# 210
Delta R.T. 0.02 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-B

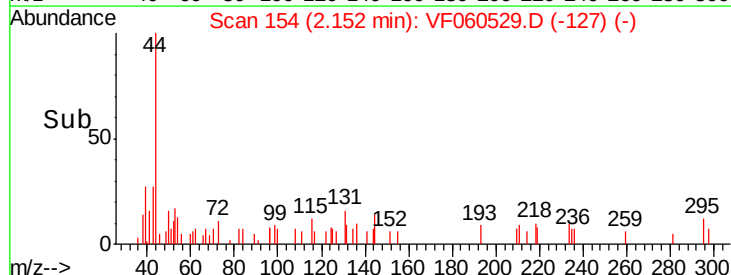
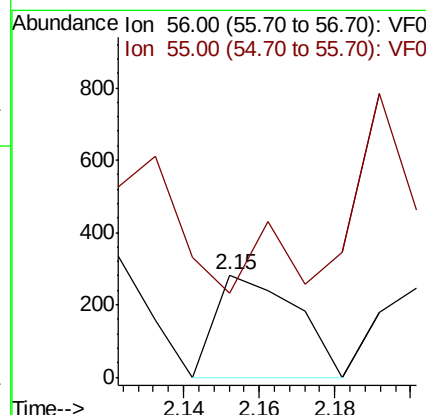
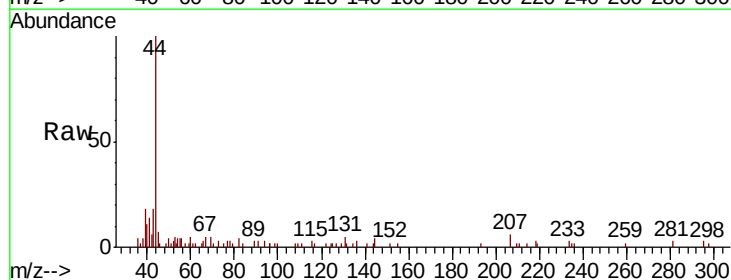
Tot Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 41.4 15.8 23.8#

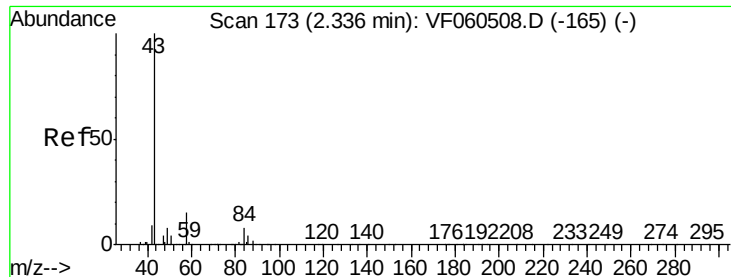


#13

Acrolein
Concen: 1.543 ug/l
RT: 2.15 min Scan# 154
Delta R.T. 0.06 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

Tgt Ion: 56 Resp: 418
Ion Ratio Lower Upper
56 100
55 81.6 63.0 94.4





#16

Acetone

Concen: Below Cal

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

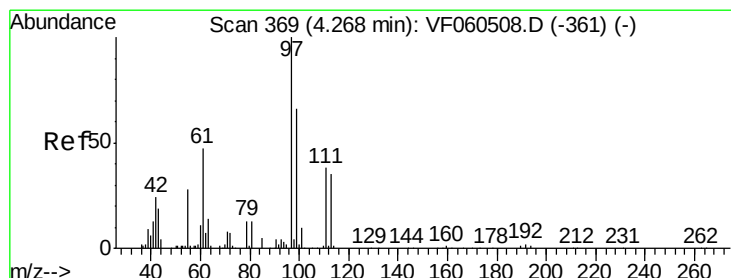
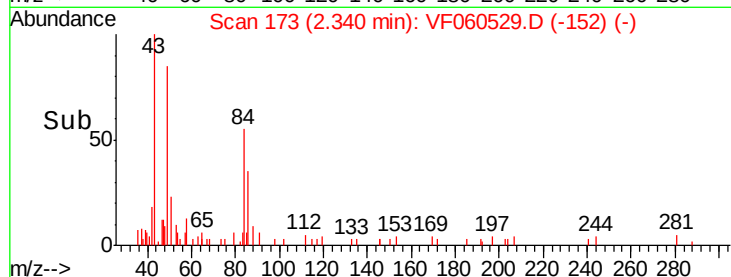
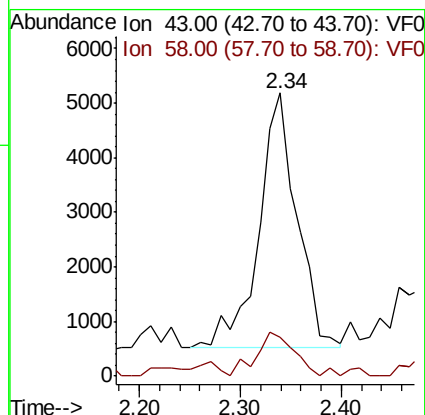
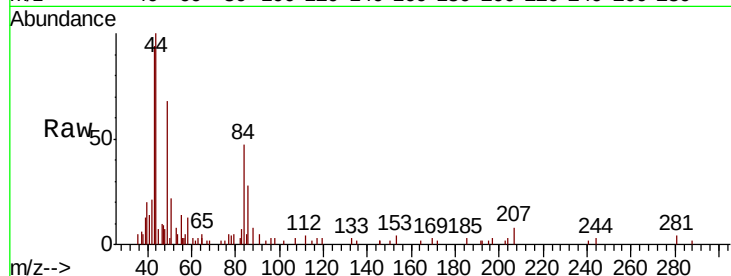
SU-01-102518-B

Tot Ion: 43 Resp: 12313

Ion Ratio Lower Upper

43 100

58 13.9 11.7 17.5



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

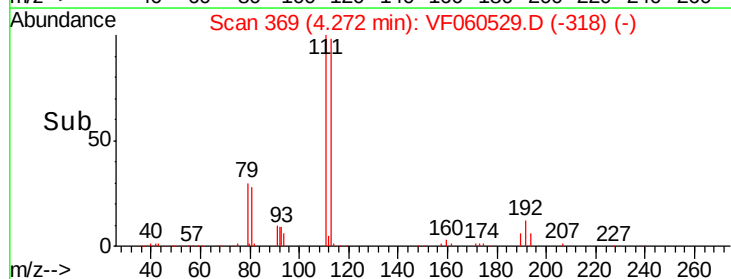
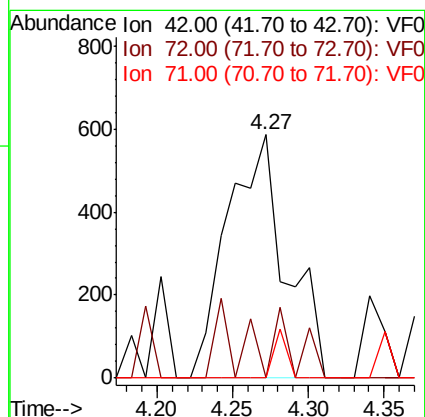
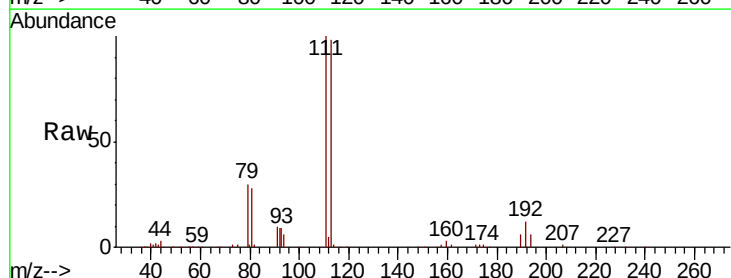
Tgt Ion: 42 Resp: 1588

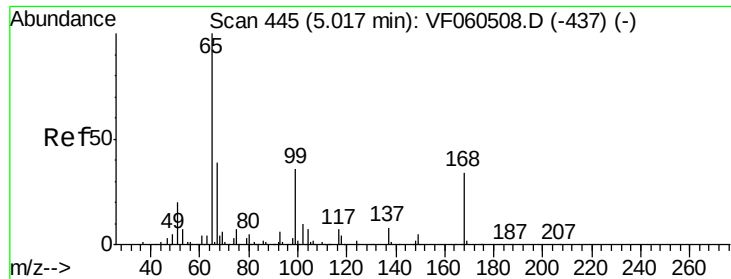
Ion Ratio Lower Upper

42 100

72 10.8 32.1 48.1#

71 4.3 29.7 44.5#

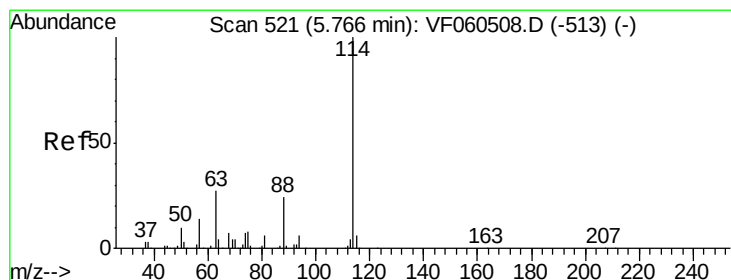
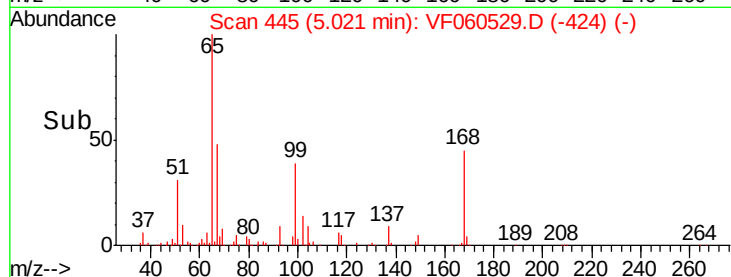
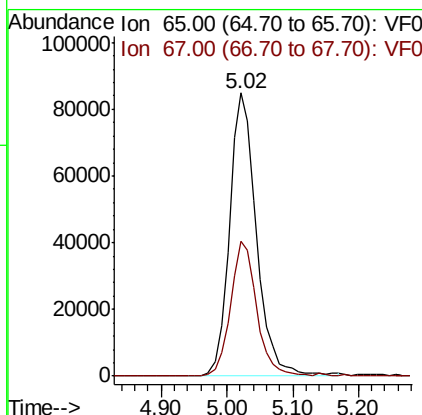
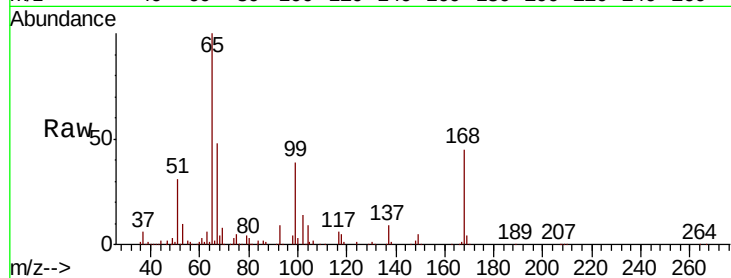




#33
 1,2-Dichloroethane-d4
 Concen: 39.907 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VF060529.D
 Acq: 26 Oct 2018 21:17

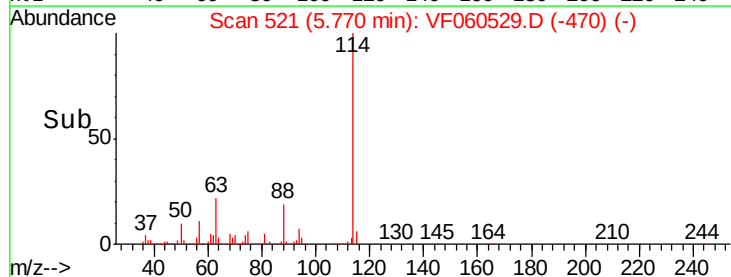
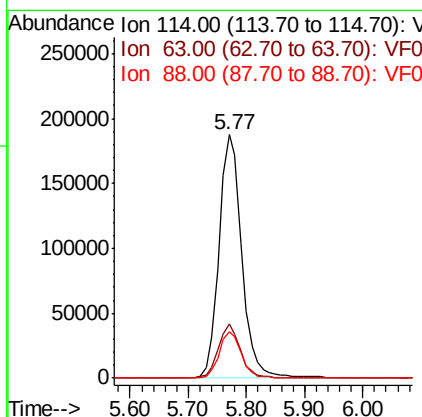
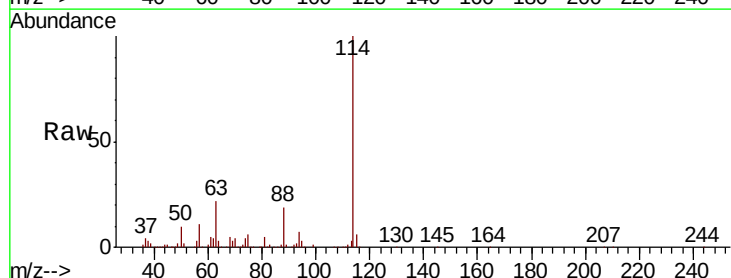
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-102518-B

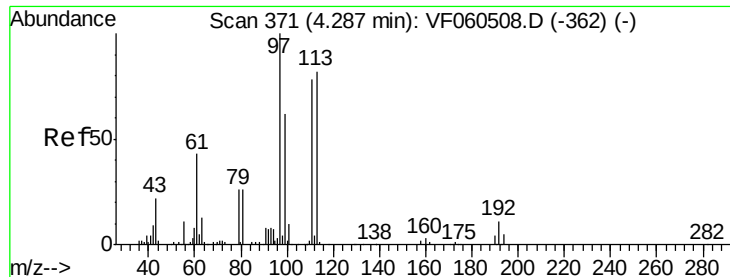
Tot Ion: 65 Resp: 243047
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF060529.D
 Acq: 26 Oct 2018 21:17

Tgt Ion: 114 Resp: 506873
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 54.4
 88 19.3 0.0 47.2





#35

Dibromofluoromethane

Concen: 42.404 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-B

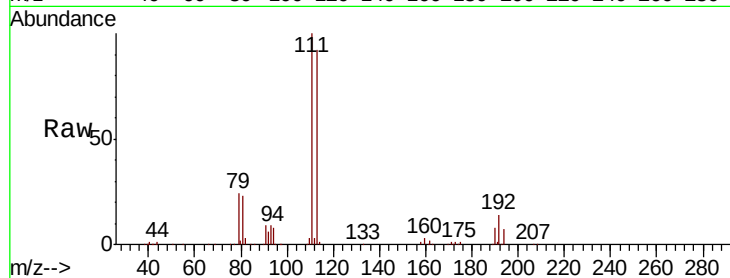
Tot Ion:113 Resp: 257634

Ion Ratio Lower Upper

113 100

111 109.0 75.9 113.9

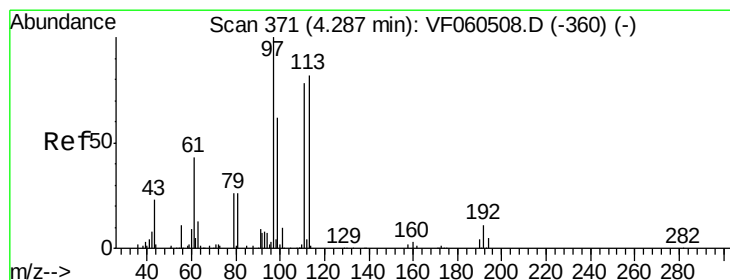
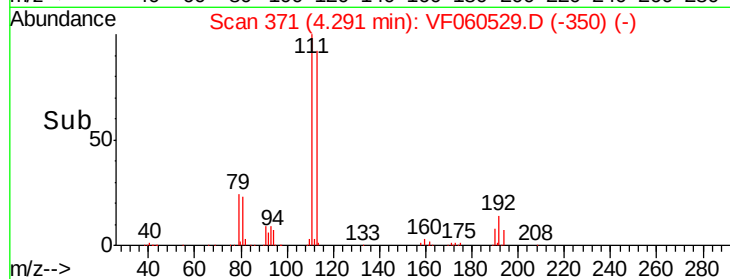
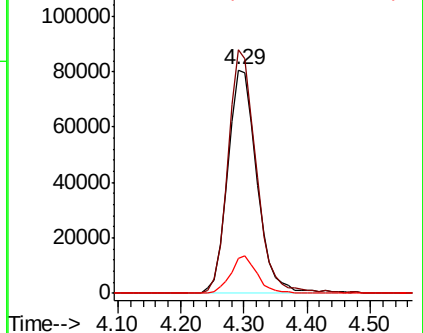
192 15.4 10.6 15.8



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: 4.33 min Scan# 375

Delta R.T. 0.04 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

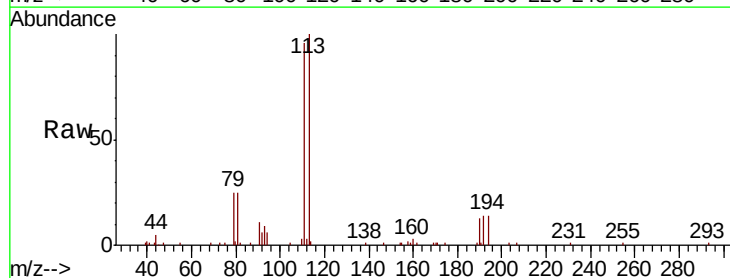
Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

61 0.0 148.5 222.7#

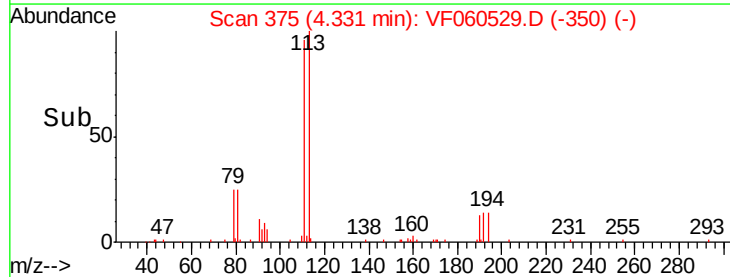
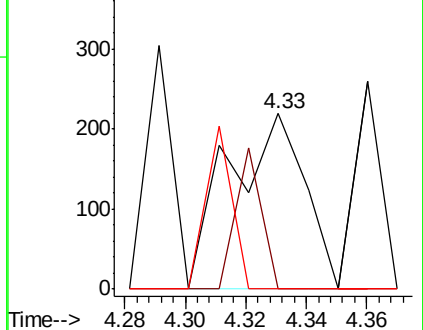
70 0.0 4.7 7.1#

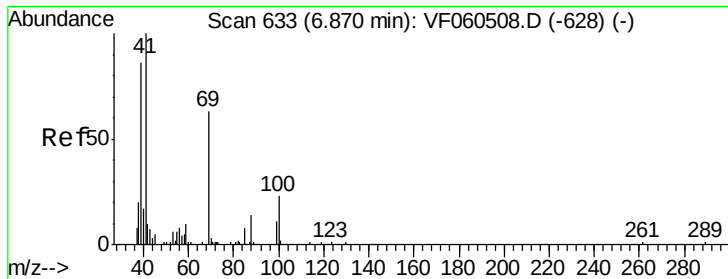


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#49

1,4-Dioxane

Concen: 9.945 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-B

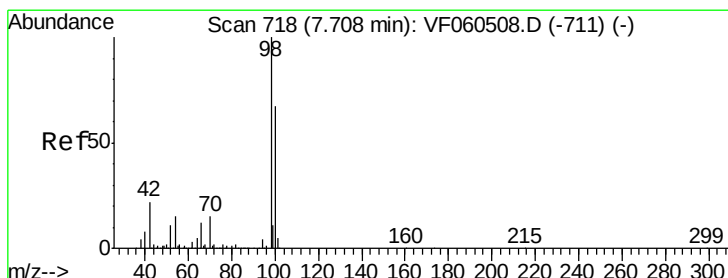
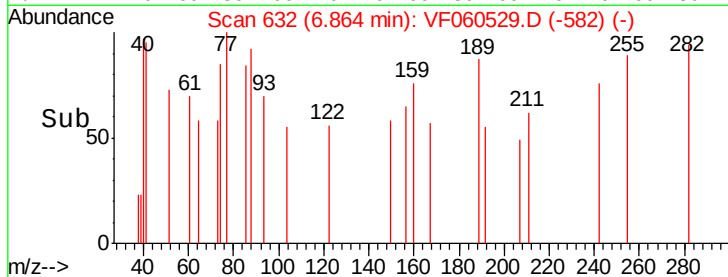
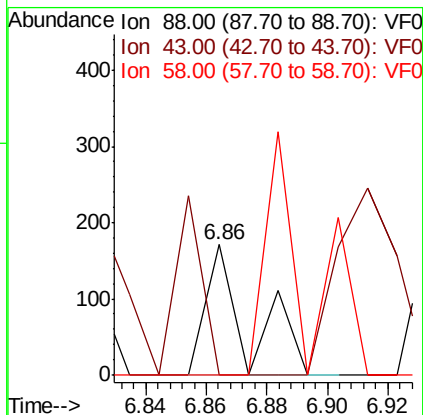
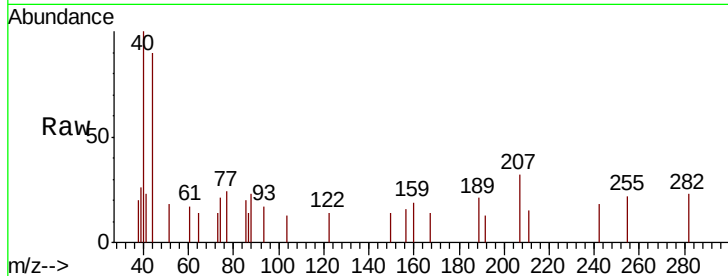
Tot Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 39.3 58.9#

58 0.0 35.0 52.6#



#50

Toluene-d8

Concen: 44.944 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060529.D

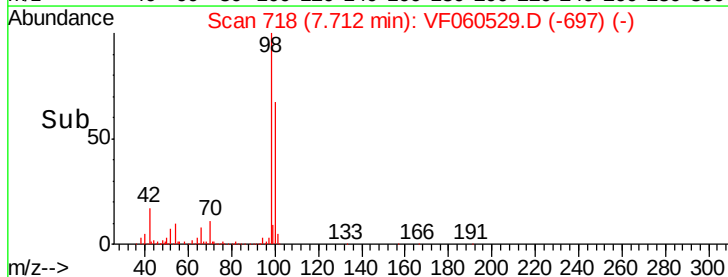
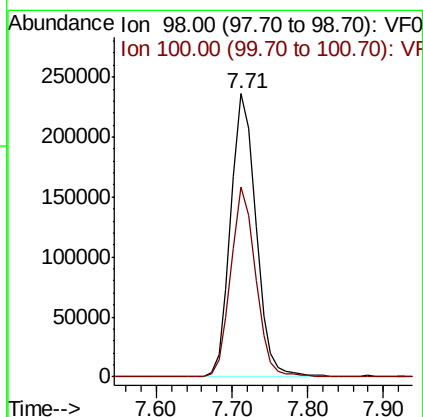
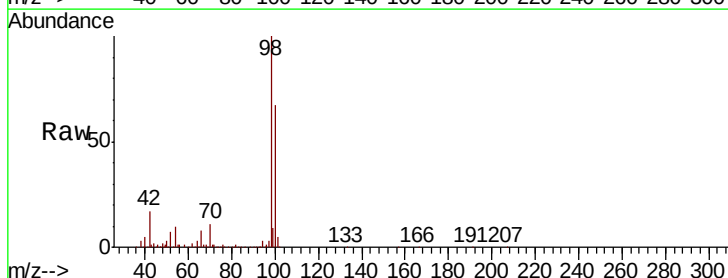
Acq: 26 Oct 2018 21:17

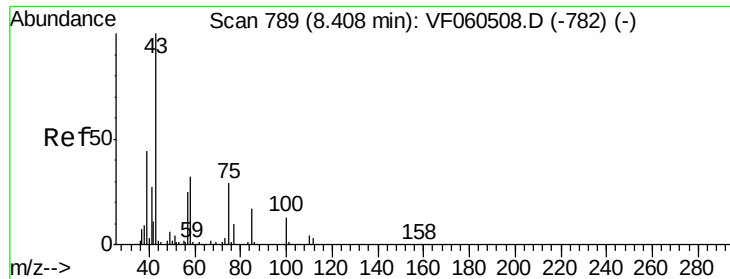
Tgt Ion: 98 Resp: 548000

Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 1.158 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

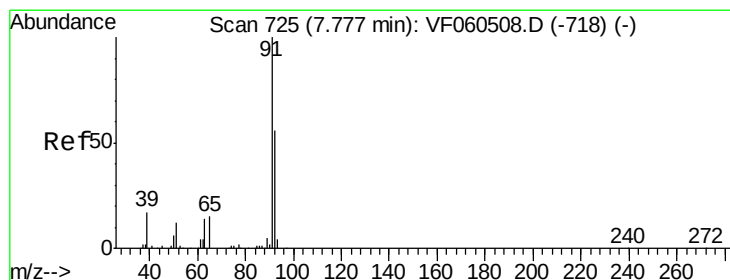
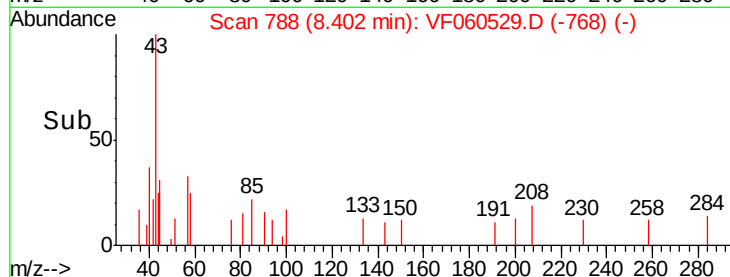
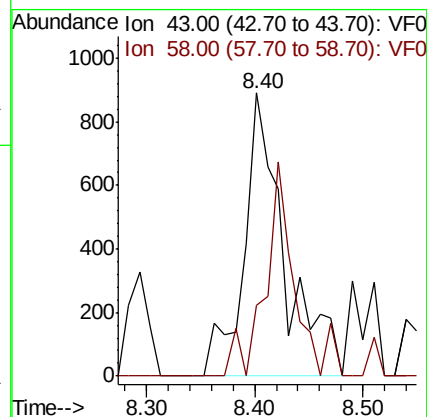
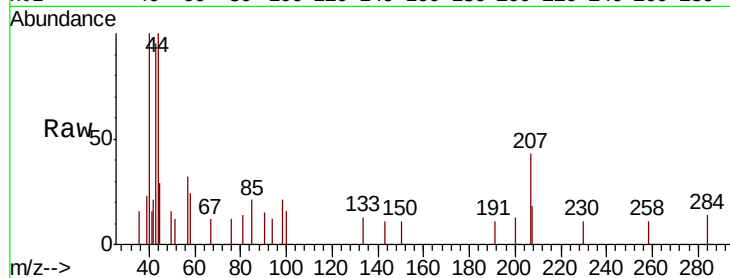
SU-01-102518-B

Tot Ion: 43 Resp: 2338

Ion Ratio Lower Upper

43 100

58 25.0 25.4 38.2#



#52

Toluene

Concen: 13.649 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060529.D

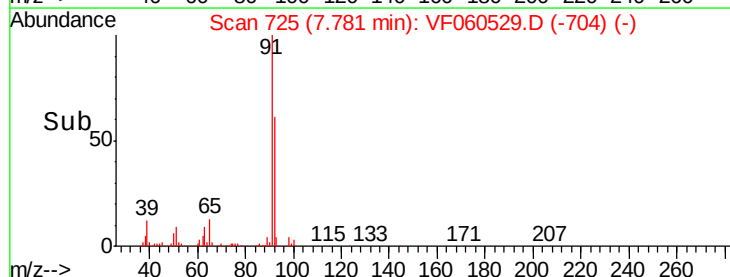
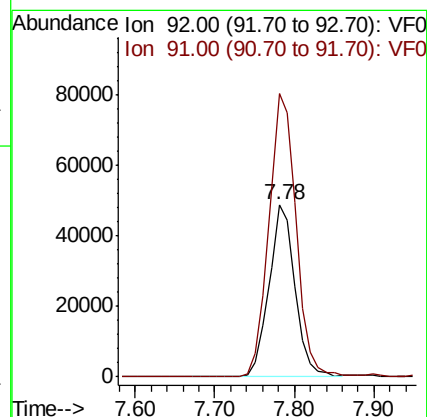
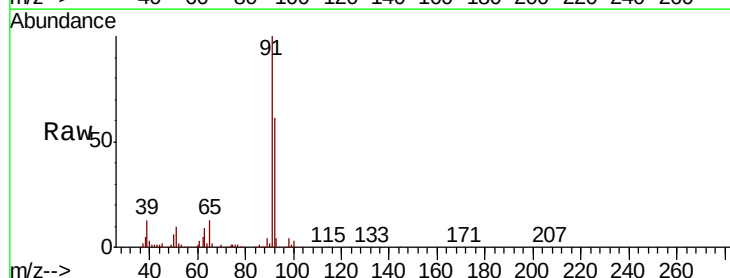
Acq: 26 Oct 2018 21:17

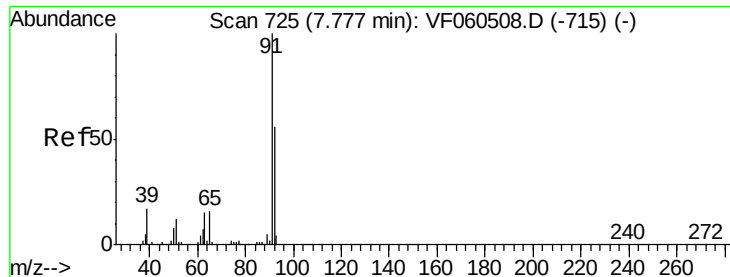
Tgt Ion: 92 Resp: 110774

Ion Ratio Lower Upper

92 100

91 164.4 143.8 215.8





#58

2-Chloroethyl Vinyl ether

Concen: 49.075 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

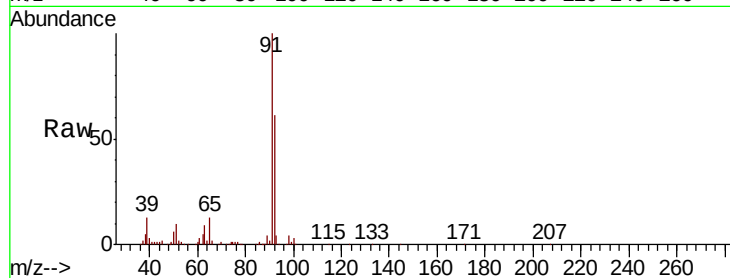
SU-01-102518-B

Tot Ion: 63 Resp: 18597

Ion Ratio Lower Upper

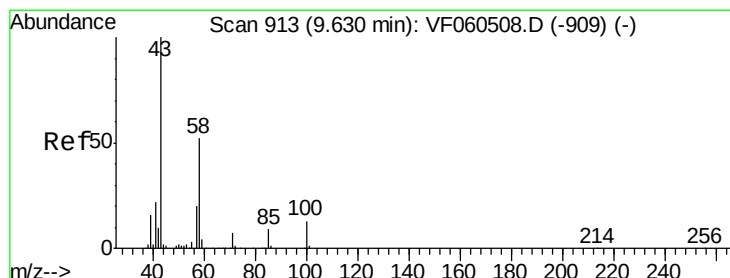
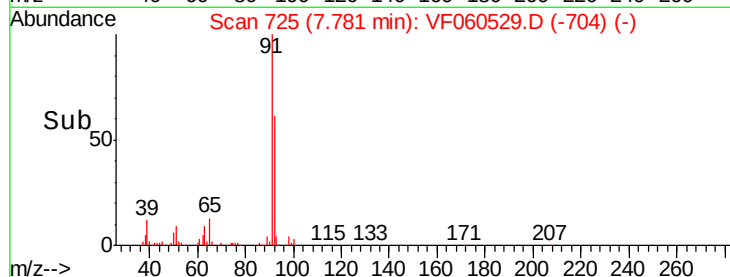
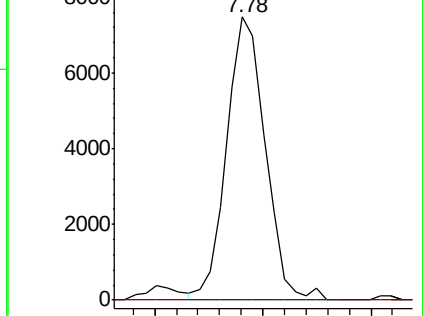
63 100

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



#59

2-Hexanone

Concen: Below Cal

RT: 9.65 min Scan# 915

Delta R.T. 0.02 min

Lab File: VF060529.D

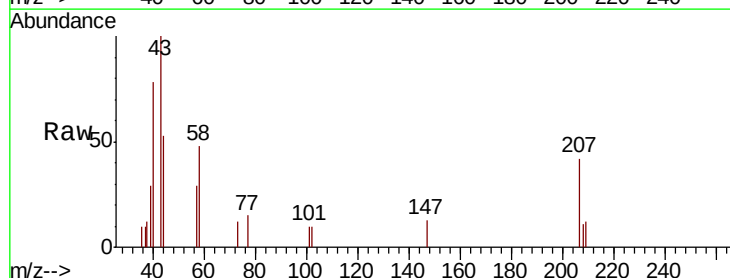
Acq: 26 Oct 2018 21:17

Tgt Ion: 43 Resp: 2756

Ion Ratio Lower Upper

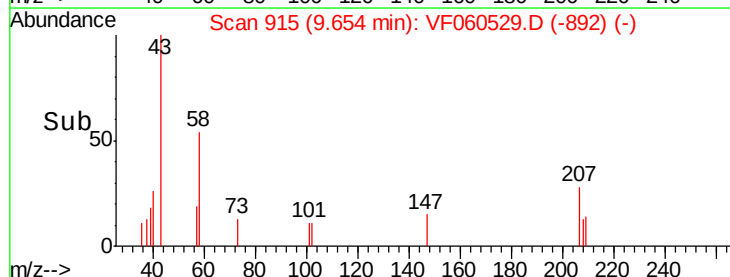
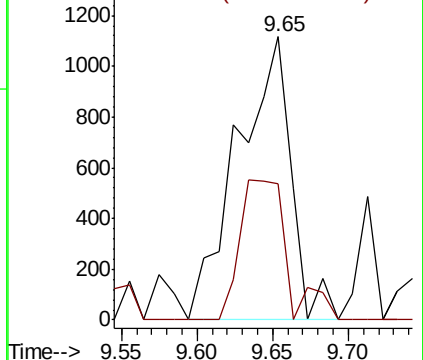
43 100

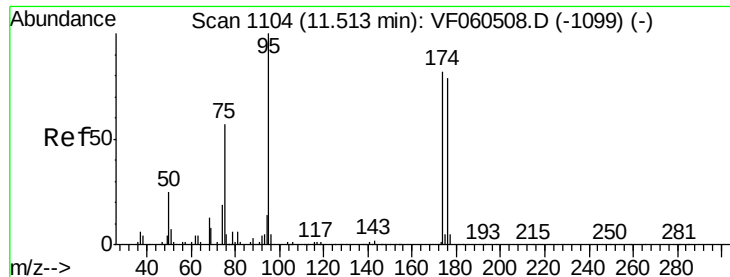
58 47.9 23.5 70.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 34.187 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VF060529.D

Acq: 26 Oct 2018 21:17

Instrument :

MSVOA_F

ClientSampleId :

SU-01-102518-B

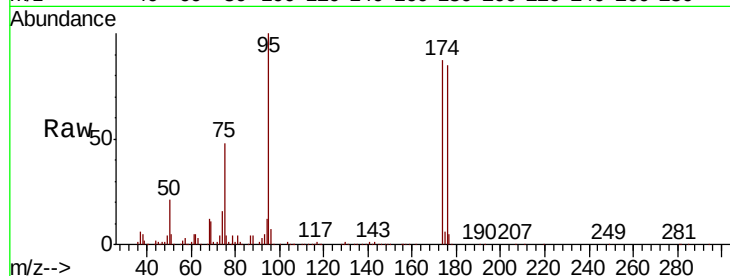
Tot Ion: 95 Resp: 232169

Ion Ratio Lower Upper

95 100

174 86.6 0.0 164.2

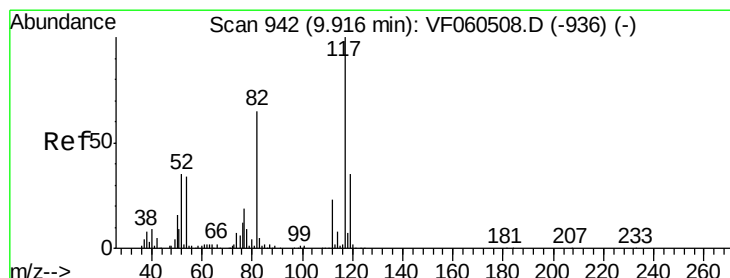
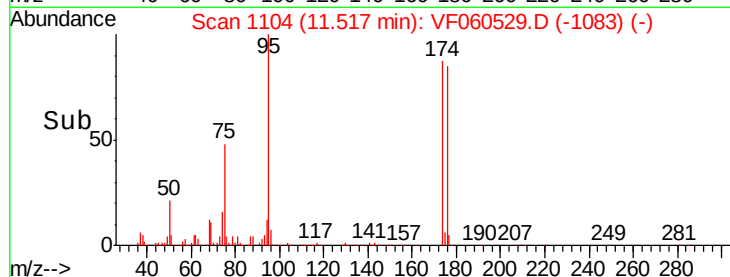
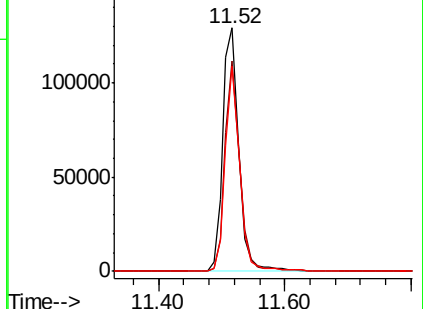
176 84.5 0.0 158.4



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: VF060529.D

Acq: 26 Oct 2018 21:17

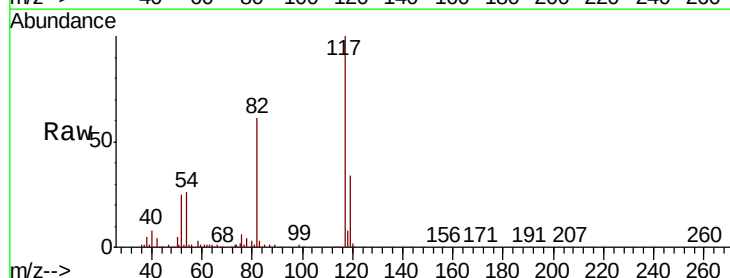
Tgt Ion: 117 Resp: 424912

Ion Ratio Lower Upper

117 100

82 61.1 51.7 77.5

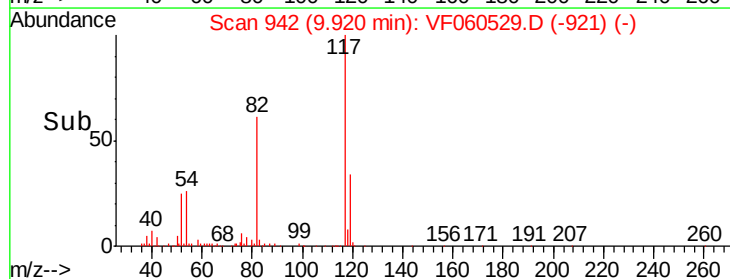
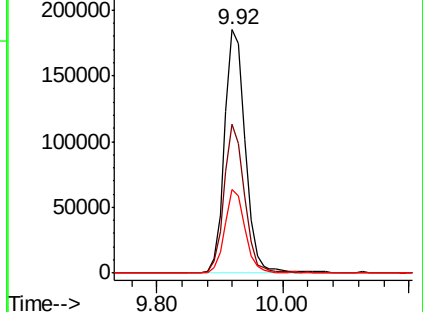
119 34.1 28.3 42.5

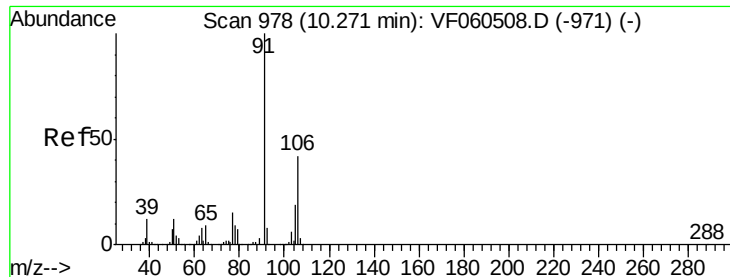


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

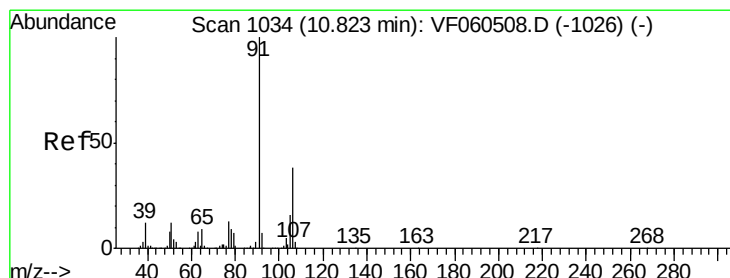
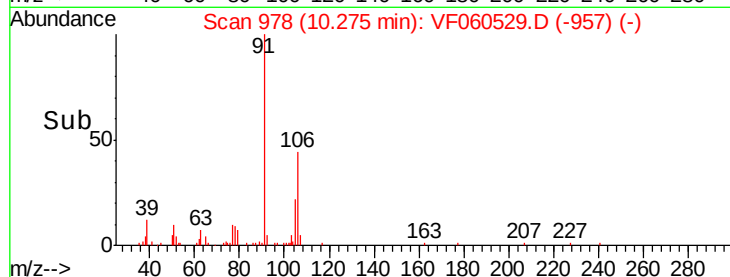
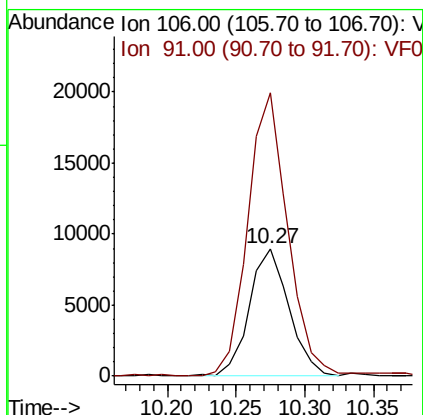
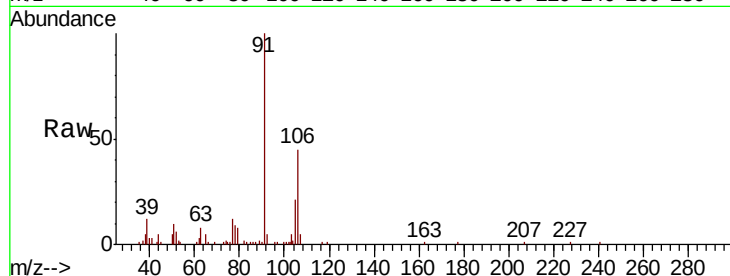




#68
m/p-Xylenes
Concen: 3.162 ug/l
RT: 10.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

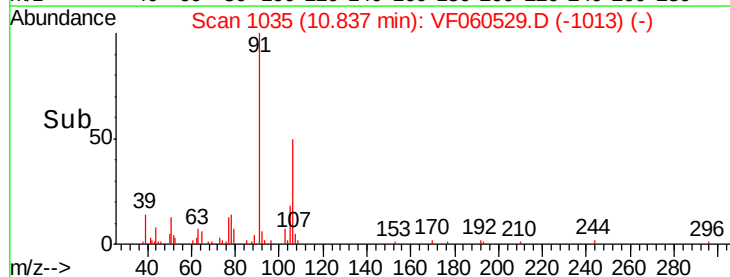
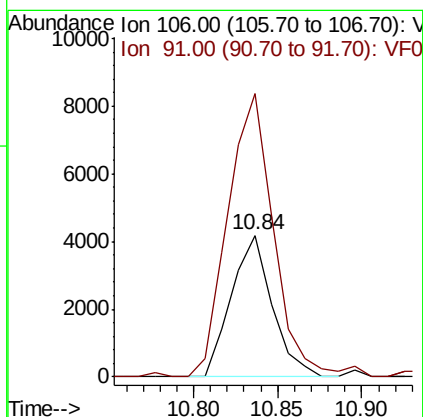
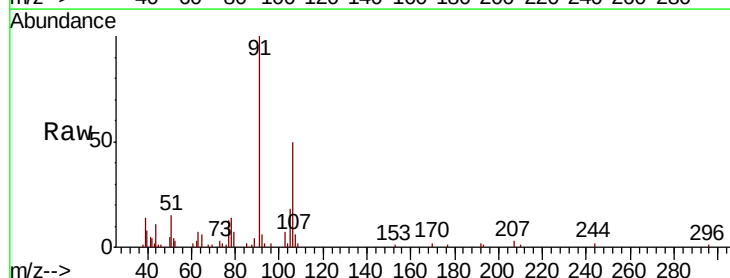
Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-B

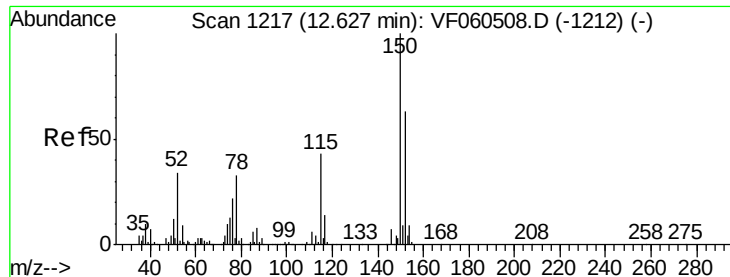
Tot Ion:106 Resp: 18106
Ion Ratio Lower Upper
106 100
91 221.9 192.5 288.7



#69
o-Xylene
Concen: 1.094 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

Tgt Ion:106 Resp: 7031
Ion Ratio Lower Upper
106 100
91 199.6 130.9 392.7



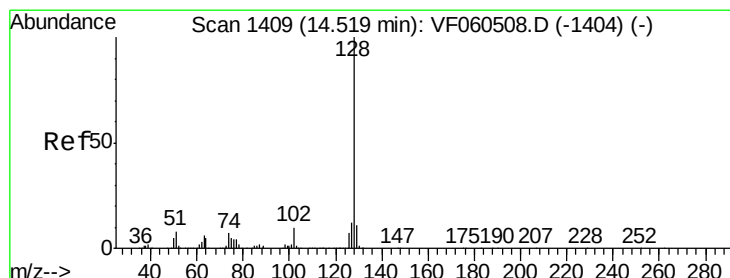
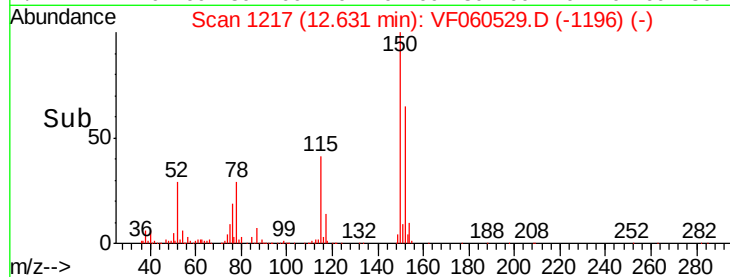
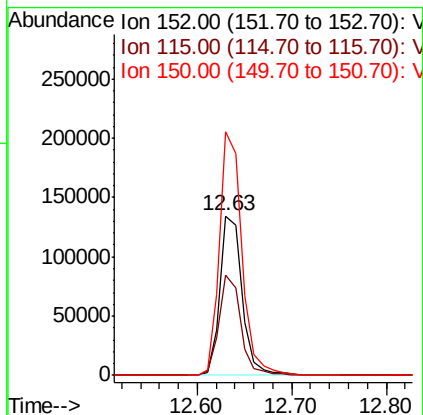
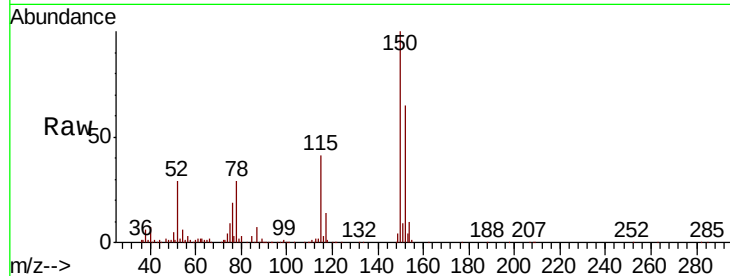


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

Instrument :
MSVOA_F
ClientSampleId :
SU-01-102518-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.7	34.6	103.9
150	152.9	0.0	319.8



#95

Naphthalene
Concen: 4.715 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060529.D
Acq: 26 Oct 2018 21:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.0	15.0
129	11.7	8.9	13.3

