

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060596.D
 Acq On : 6 Nov 2018 5:45
 Operator : VA/AP
 Sample : J5767-05
 Misc : 7.52/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-110118-C

Quant Time: Nov 06 08:07:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

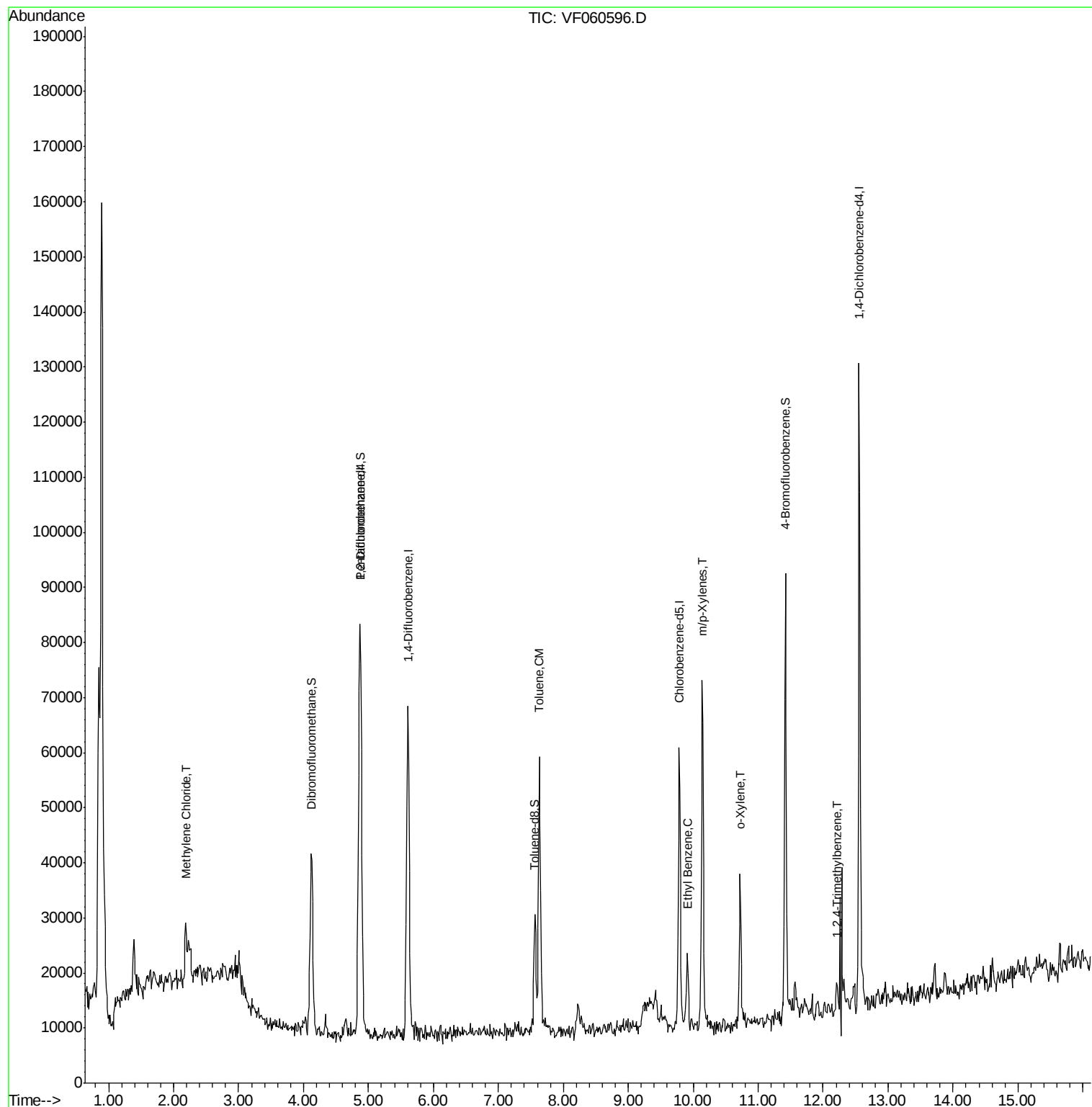
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	53809	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	72729	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	38954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	29951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	28717	52.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.64%	
35) Dibromofluoromethane	4.12	113	33231	59.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.28%	
50) Toluene-d8	7.56	98	16958	10.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	20.38%	
62) 4-Bromofluorobenzene	11.42	95	32964	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.19	84	4650	7.609	ug/l	85
52) Toluene	7.63	92	28310	22.358	ug/l	93
67) Ethyl Benzene	9.91	91	12308	8.514	ug/l #	82
68) m/p-Xylenes	10.14	106	22095	40.576	ug/l #	65
69) o-Xylene	10.72	106	8556	14.390	ug/l	87
84) 1,2,4-Trimethylbenzene	12.21	105	3381	1.793	ug/l	81

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060596.D
Acq On : 6 Nov 2018 5:45
Operator : VA/AP
Sample : J5767-05
Misc : 7.52/5mL/MSVOA-F/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

Quant Time: Nov 06 08:07:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Instrument :

MSVOA_F

ClientSampleId :

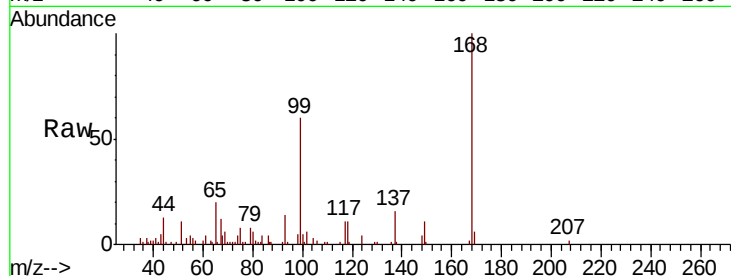
CL-02-110118-C

Tot Ion:168 Resp: 53809

Ion Ratio Lower Upper

168 100

99 59.8 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

20000

15000

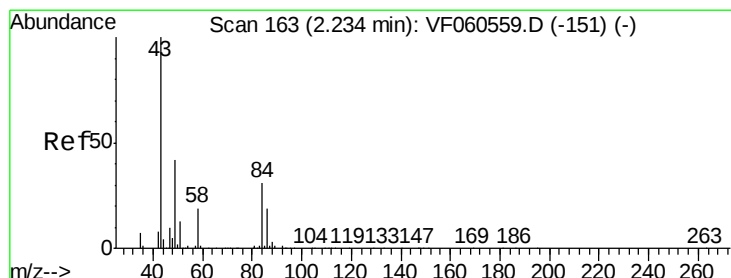
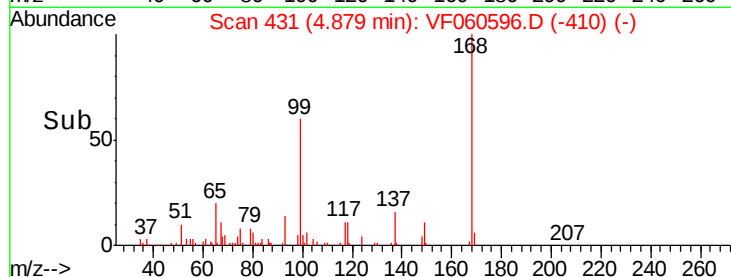
10000

5000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 7.609 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.05 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Tgt Ion: 84 Resp: 4650

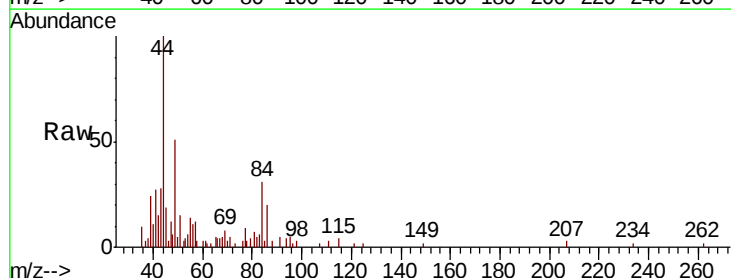
Ion Ratio Lower Upper

84 100

49 164.6 109.9 164.9

51 47.3 35.8 53.8

86 65.5 48.3 72.5



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

4000

3000

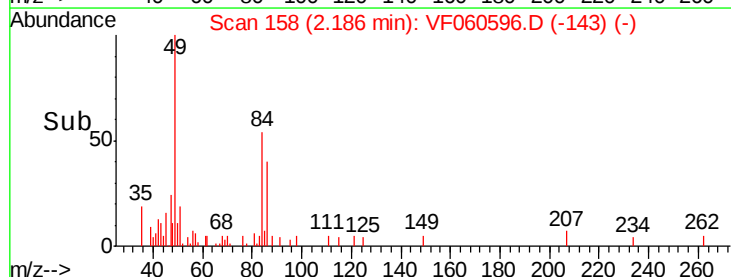
2000

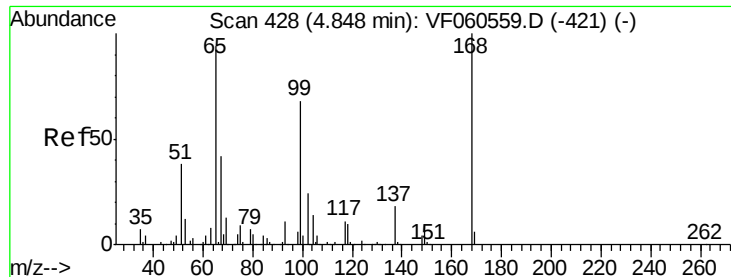
1000

0

2.10 2.20 2.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.821 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Instrument :

MSVOA_F

ClientSampleId :

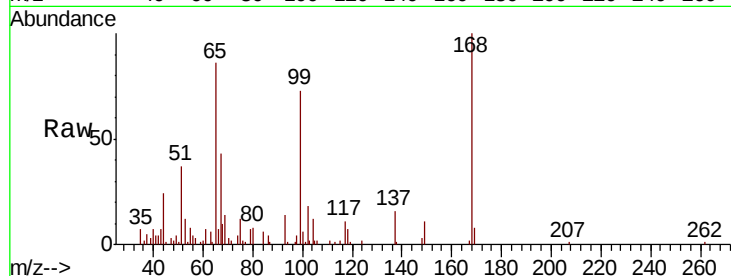
CL-02-110118-C

Tot Ion: 65 Resp: 28717

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

10000

8000

6000

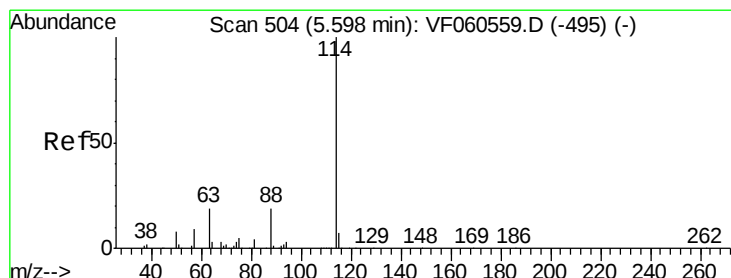
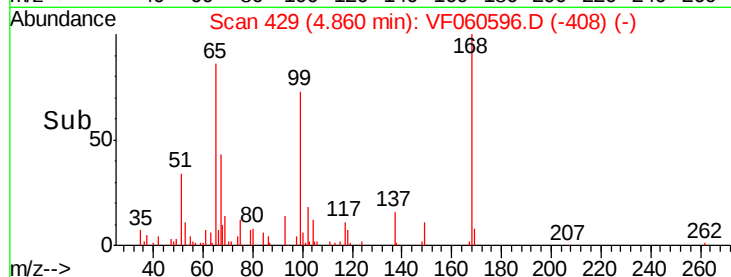
4000

2000

0

Time-->

4.70 4.80 4.90 5.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

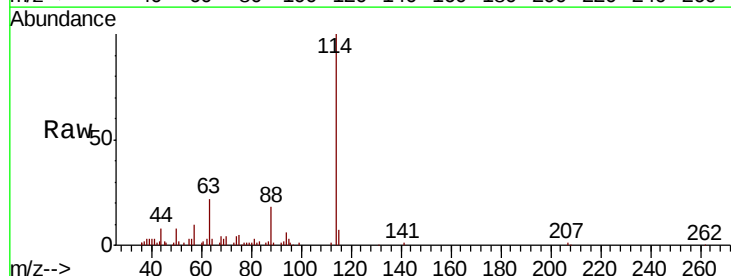
Tgt Ion: 114 Resp: 72729

Ion Ratio Lower Upper

114 100

63 22.3 0.0 39.0

88 17.8 0.0 38.2



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

5.61

30000

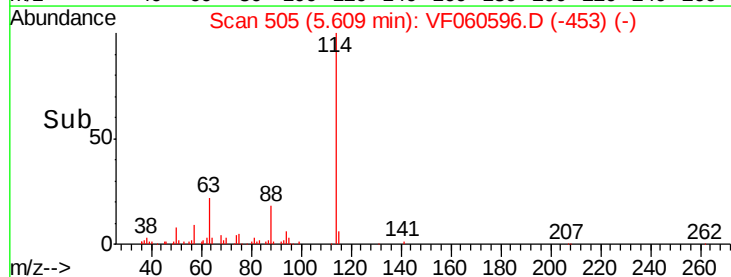
20000

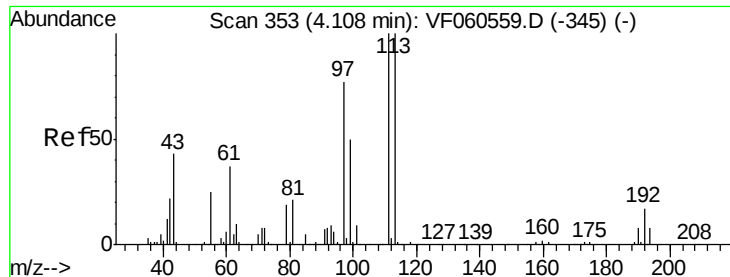
10000

0

Time-->

5.50 5.60 5.70





#35

Dibromofluoromethane

Concen: 59.140 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-C

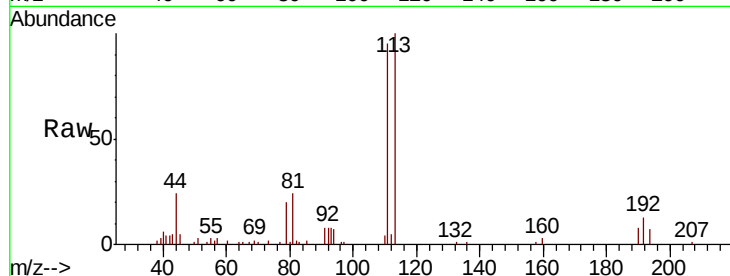
Tot Ion:113 Resp: 33231

Ion Ratio Lower Upper

113 100

111 95.5 79.9 119.9

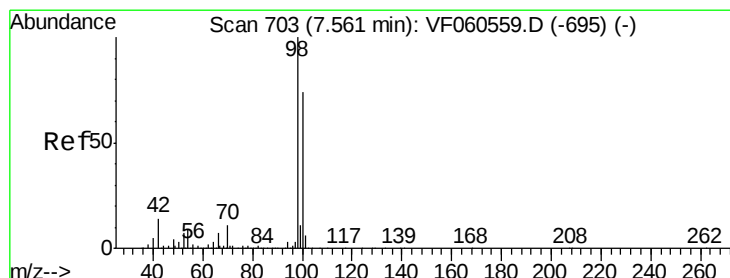
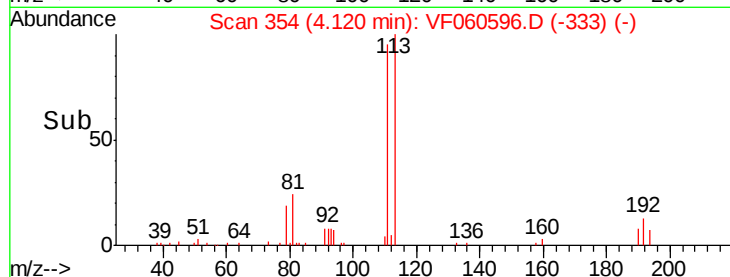
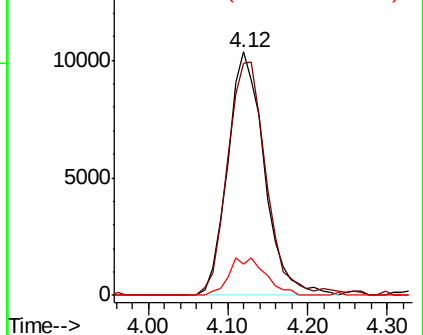
192 12.8 13.3 19.9#



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



#50

Toluene-d8

Concen: 10.188 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF060596.D

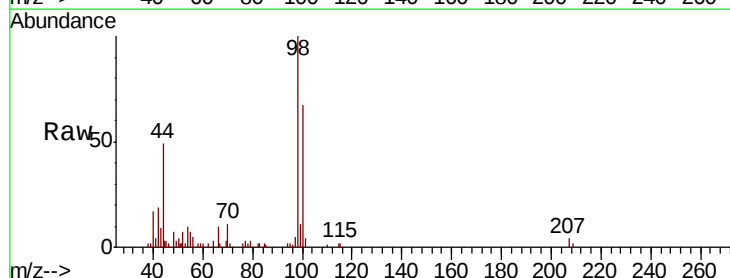
Acq: 6 Nov 2018 5:45

Tgt Ion: 98 Resp: 16958

Ion Ratio Lower Upper

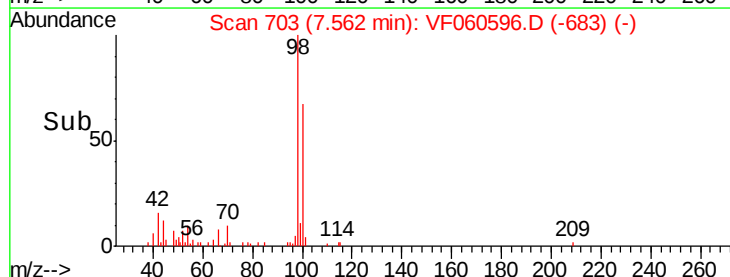
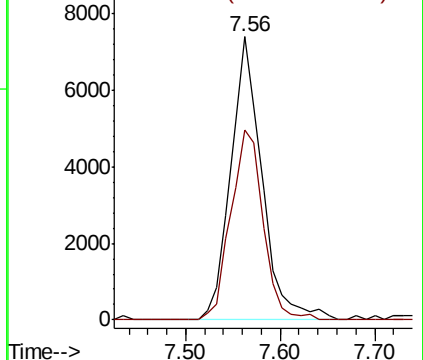
98 100

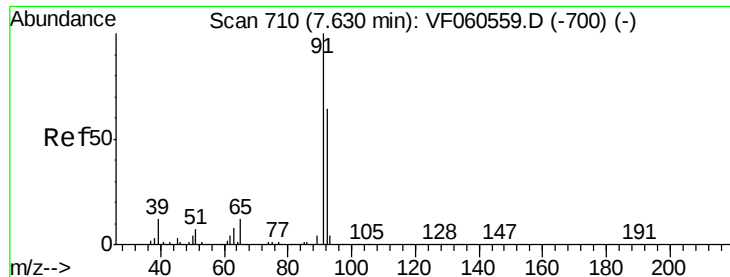
100 67.0 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 22.358 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Instrument :

MSVOA_F

ClientSampleId :

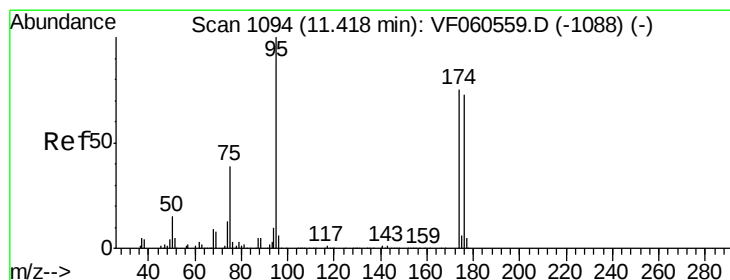
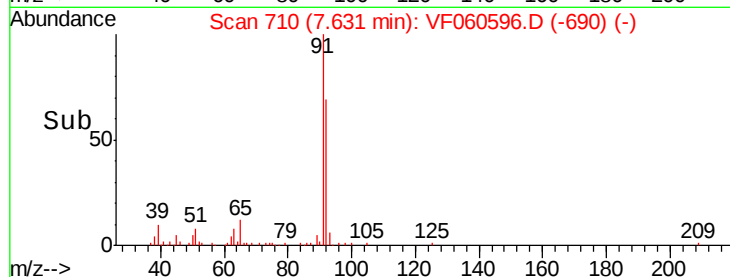
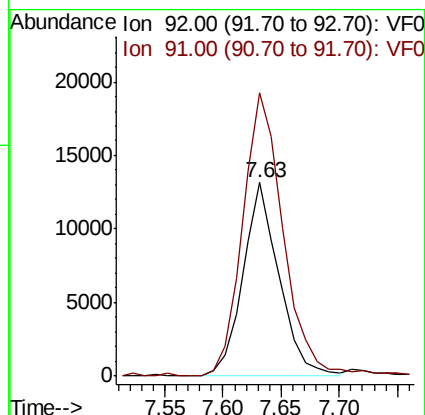
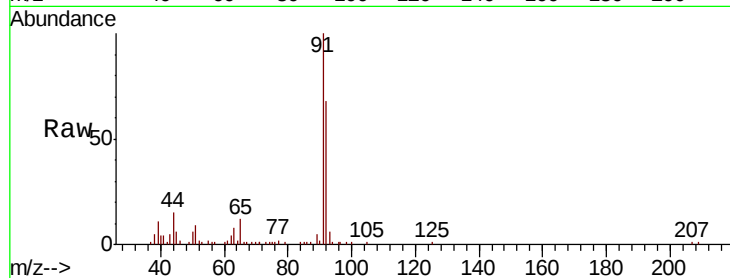
CL-02-110118-C

Tot Ion: 92 Resp: 28310

Ion Ratio Lower Upper

92 100

91 146.2 124.5 186.7



#62

4-Bromofluorobenzene

Concen: 45.275 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

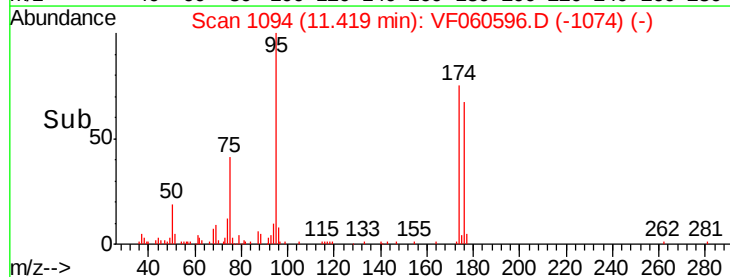
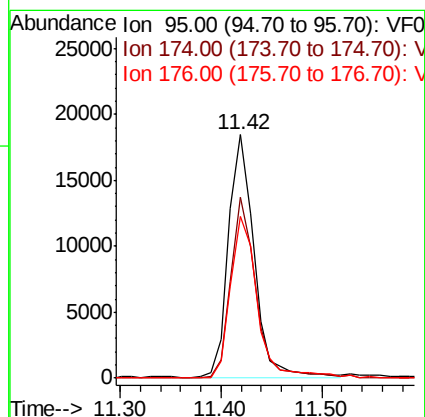
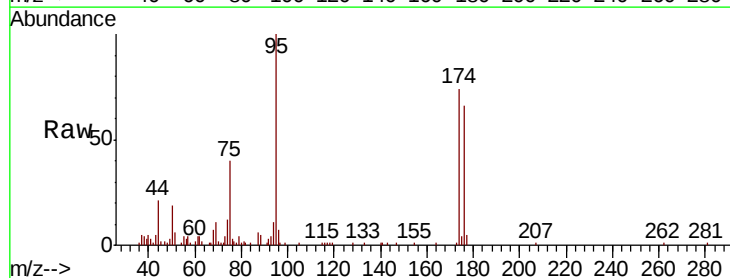
Tgt Ion: 95 Resp: 32964

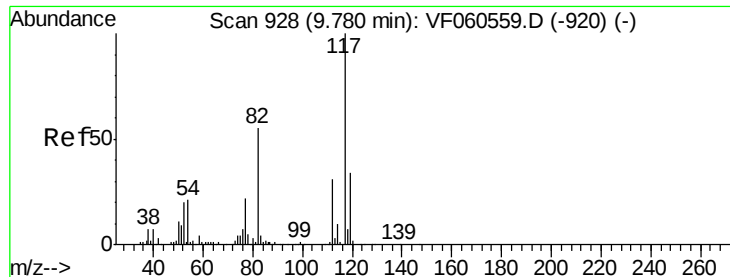
Ion Ratio Lower Upper

95 100

174 74.4 0.0 149.0

176 66.5 0.0 145.6

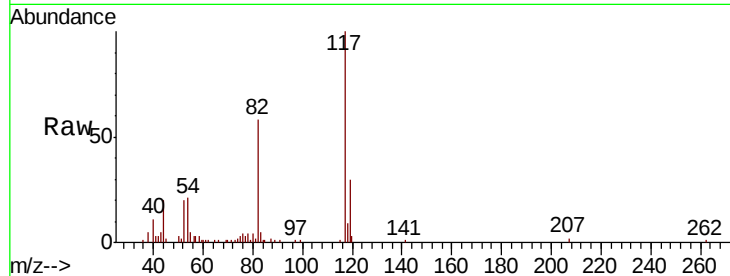




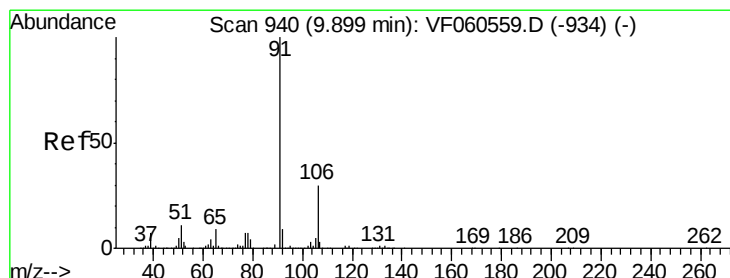
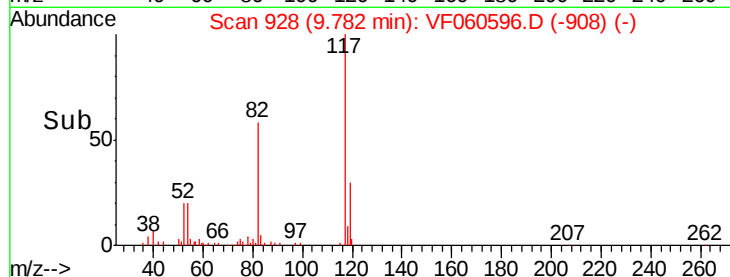
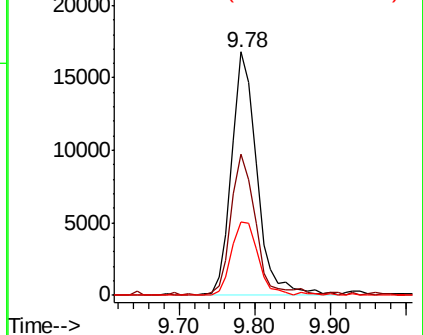
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060596.D
Acq: 6 Nov 2018 5:45

Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

Tot Ion:117 Resp: 38954
Ion Ratio Lower Upper
117 100
82 58.1 43.9 65.9
119 30.0 27.4 41.0

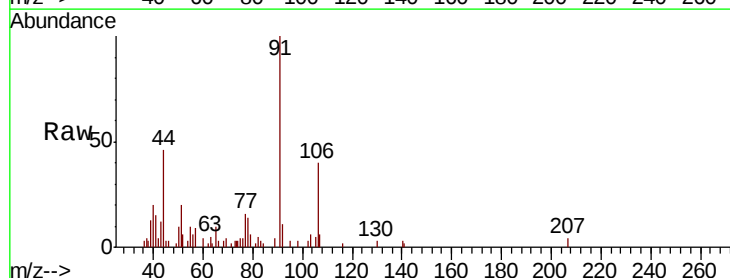


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

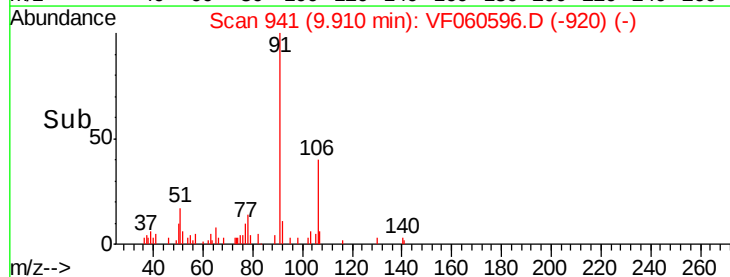
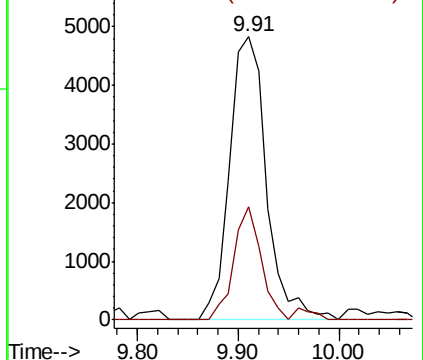


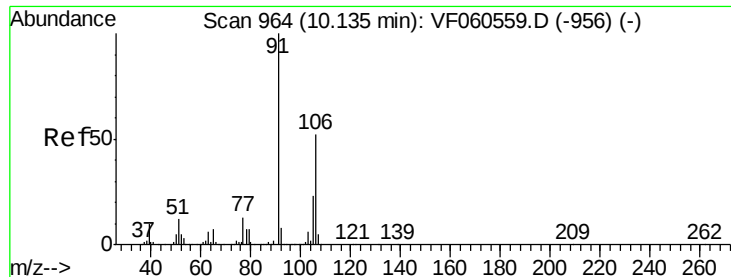
#67
Ethyl Benzene
Concen: 8.514 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060596.D
Acq: 6 Nov 2018 5:45

Tgt Ion: 91 Resp: 12308
Ion Ratio Lower Upper
91 100
106 40.1 24.2 36.4#



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

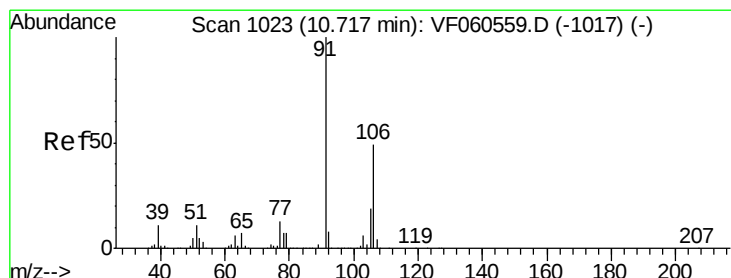
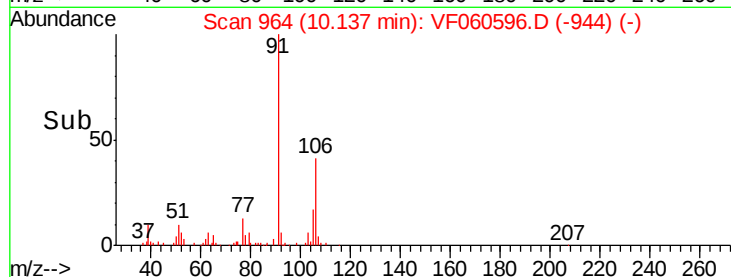
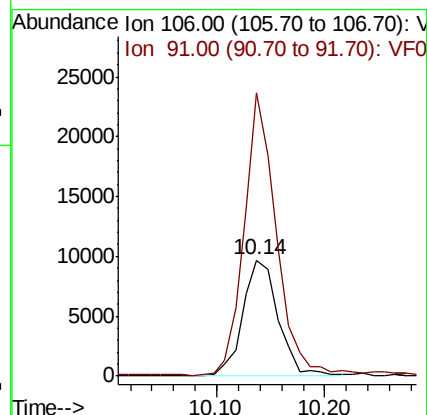
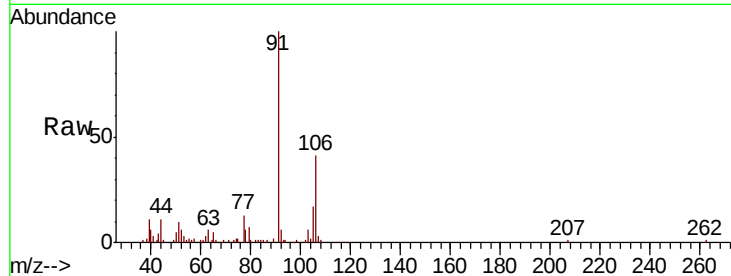




#68
m/p-Xylenes
Concen: 40.576 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060596.D
Acq: 6 Nov 2018 5:45

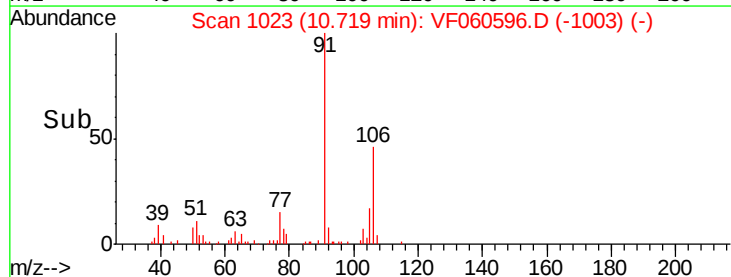
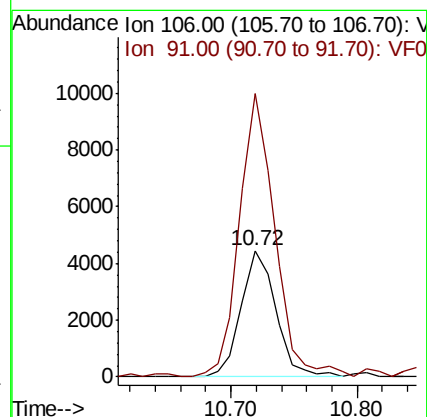
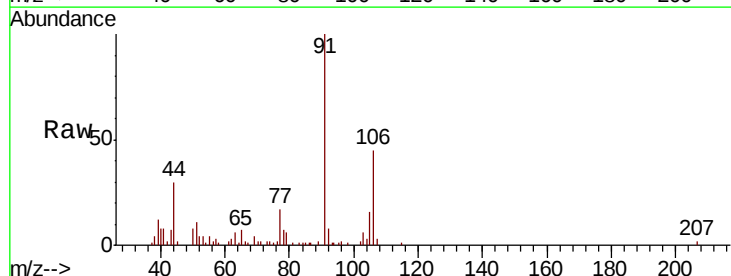
Instrument :
MSVOA_F
ClientSampleId :
CL-02-110118-C

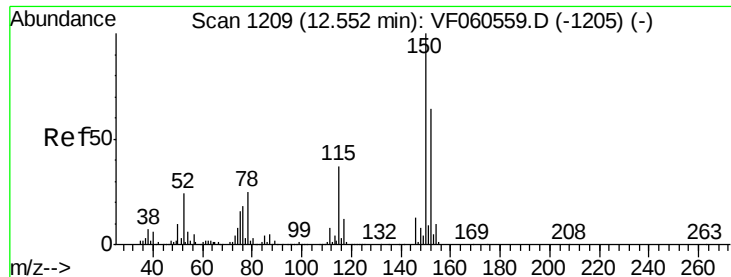
Tot Ion:106 Resp: 22095
Ion Ratio Lower Upper
106 100
91 244.1 153.9 230.9#



#69
o-Xylene
Concen: 14.390 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060596.D
Acq: 6 Nov 2018 5:45

Tgt Ion:106 Resp: 8556
Ion Ratio Lower Upper
106 100
91 224.1 101.8 305.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060596.D

Acq: 6 Nov 2018 5:45

Instrument :

MSVOA_F

ClientSampleId :

CL-02-110118-C

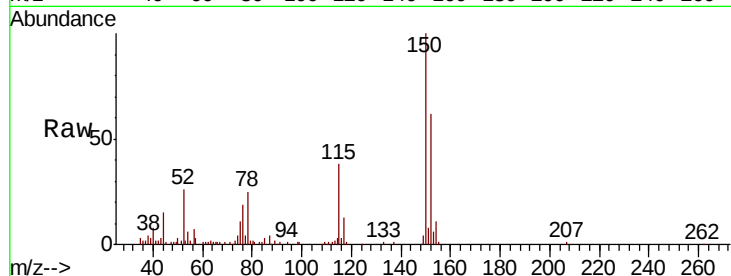
Tot Ion:152 Resp: 29951

Ion Ratio Lower Upper

152 100

115 62.0 29.6 88.8

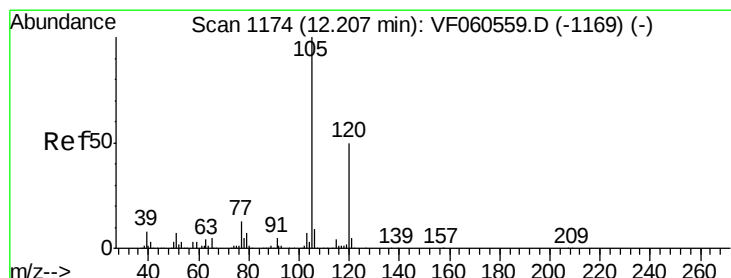
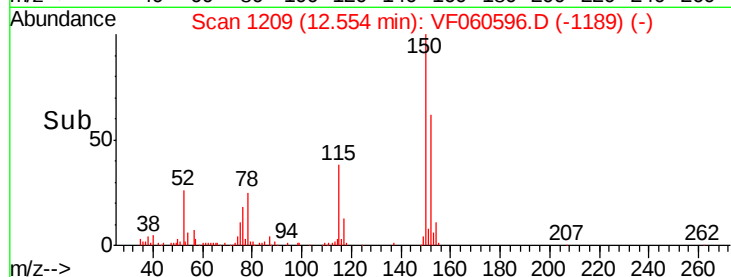
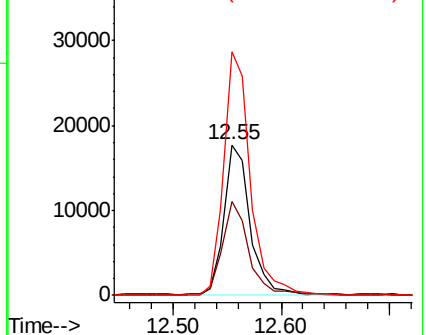
150 161.5 0.0 315.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.793 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VF060596.D

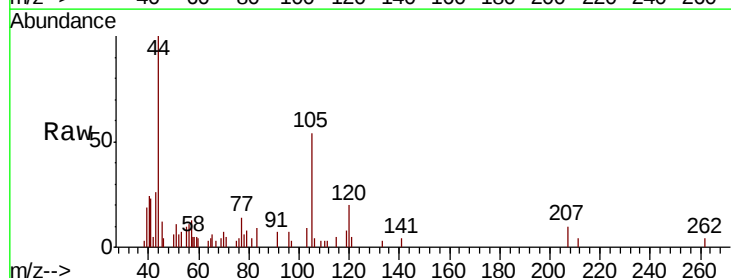
Acq: 6 Nov 2018 5:45

Tgt Ion:105 Resp: 3381

Ion Ratio Lower Upper

105 100

120 37.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

