

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007611.D
 Acq On : 16 Dec 2018 05:32
 Operator : SY/AP
 Sample : J6378-17
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:17:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	47030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	84460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	53983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	34654	66.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.84%	
35) Dibromofluoromethane	7.88	113	29606	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
50) Toluene-d8	10.32	98	70961	37.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.04%	
62) 4-Bromofluorobenzene	12.62	95	23288	33.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.08%	

Target Compounds

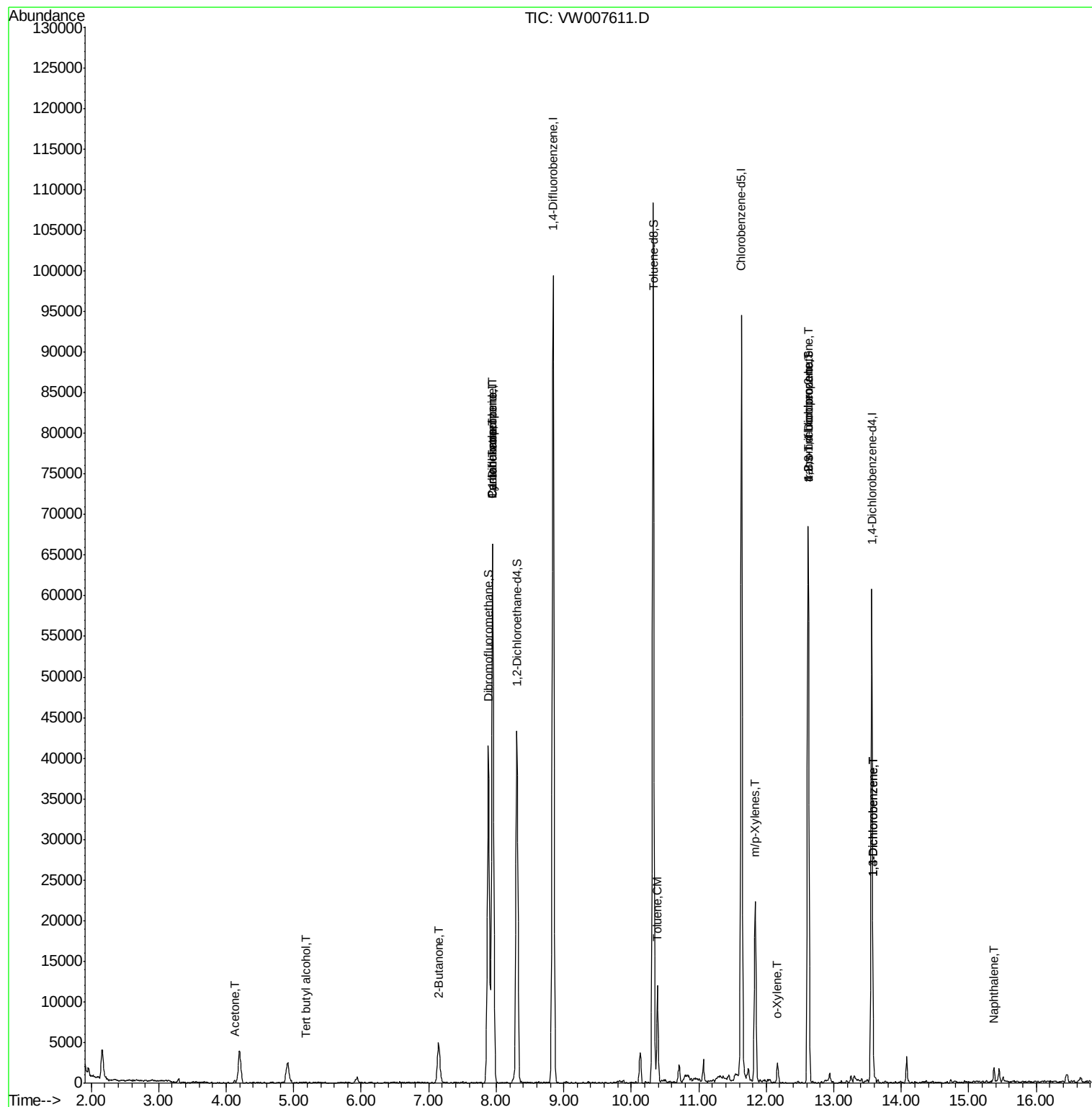
						Qvalue
11) Tert butyl alcohol	5.17	59	63	1.758	ug/l #	74
16) Acetone	4.12	43	505	5.541	ug/l #	44
25) 2-Butanone	7.16	43	177	1.488	ug/l #	45
31) Cyclohexane	7.95	56	869	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3463	4.495	ug/l #	49
38) Carbon Tetrachloride	7.95	117	5116	6.103	ug/l #	18
52) Toluene	10.39	92	5076	3.668	ug/l	100
68) m/p-Xylenes	11.84	106	6226	8.279	ug/l	95
69) o-Xylene	12.16	106	747	1.064	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	12200	92.715	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	12200	204.807	ug/l #	7
87) 1,3-Dichlorobenzene	13.58	146	1090	2.017	ug/l	86
88) 1,4-Dichlorobenzene	13.58	146	1090	2.006	ug/l	88
95) Naphthalene	15.37	128	1905	2.989	ug/l #	92

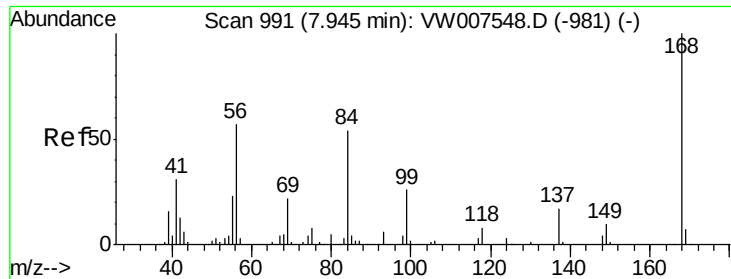
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

Instrument :

MSVOA_W

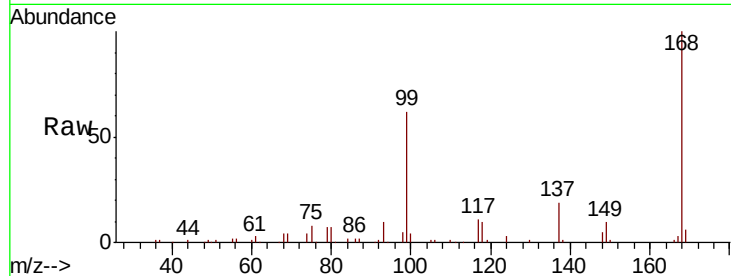
ClientSampleId :

Tot Ion:168 Resp: 47030

Ion Ratio Lower Upper

168 100

99 62.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

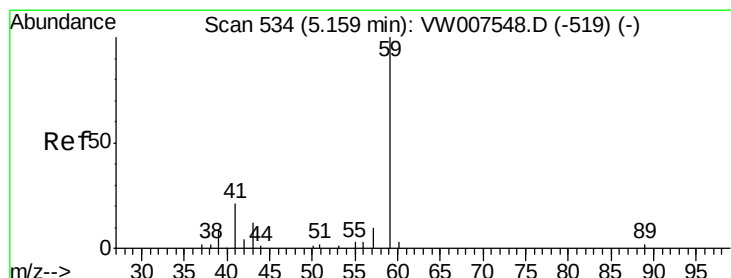
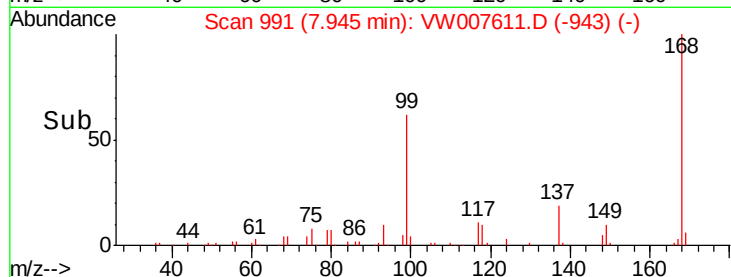
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 1.758 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007611.D

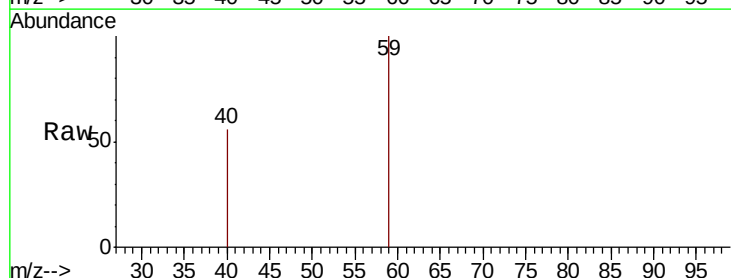
Acq: 16 Dec 2018 05:32

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

100

80

60

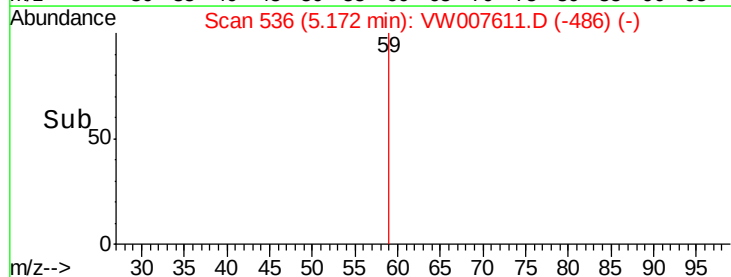
40

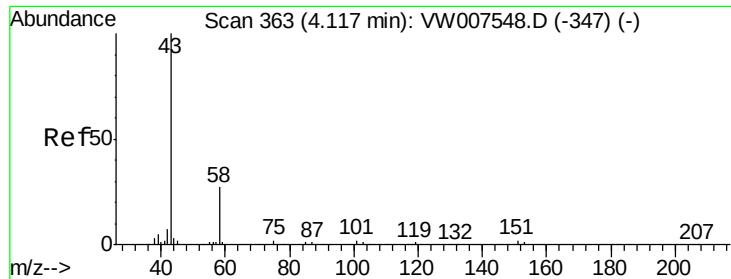
20

0

Time-->

5.16 5.18 5.20





#16

Acetone

Concen: 5.541 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

Instrument :

MSVOA_W

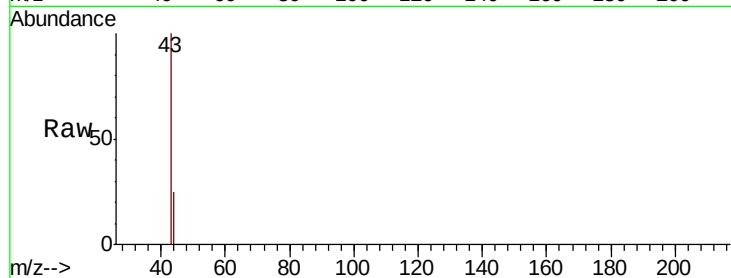
ClientSampled :

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

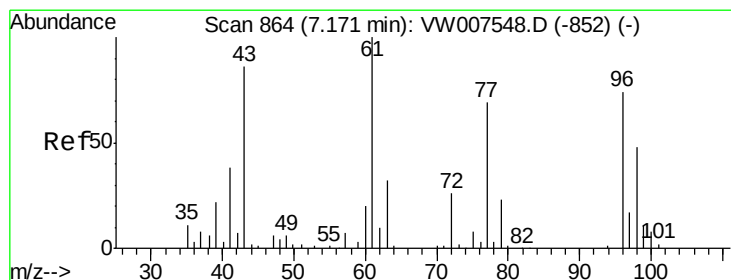
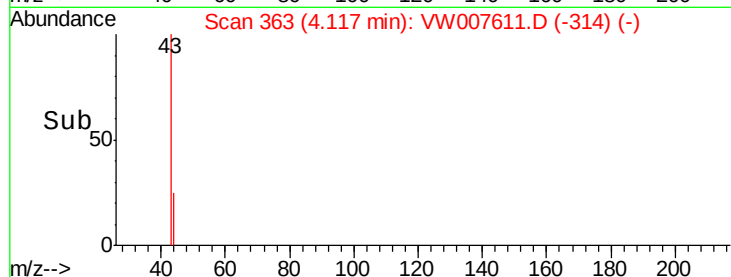
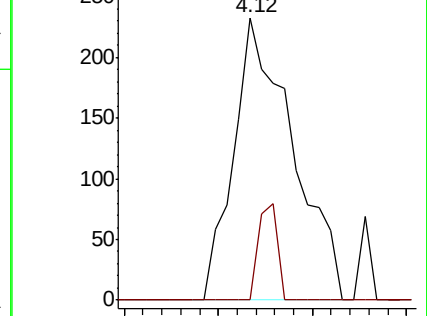
43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.488 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007611.D

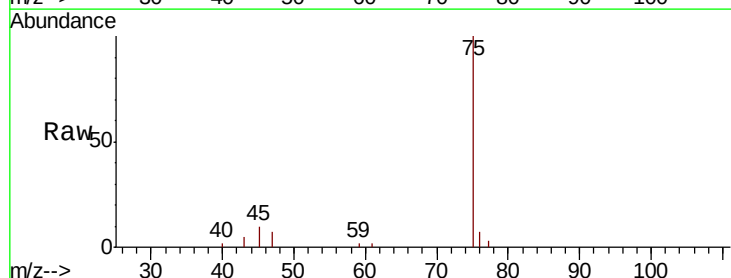
Acq: 16 Dec 2018 05:32

Tgt Ion: 43 Resp: 177

Ion Ratio Lower Upper

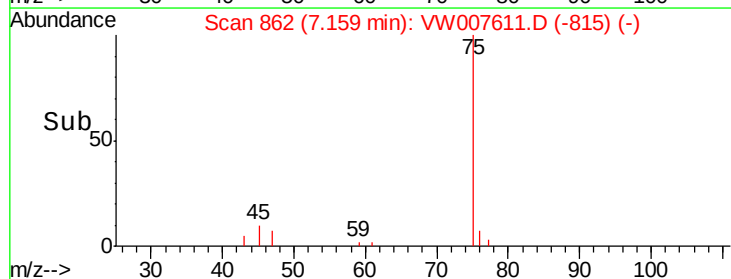
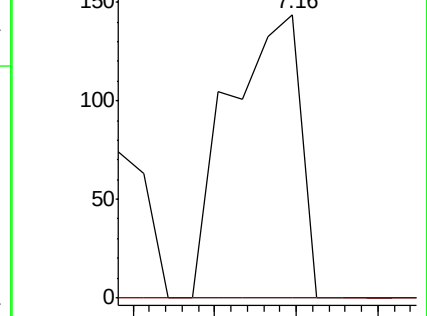
43 100

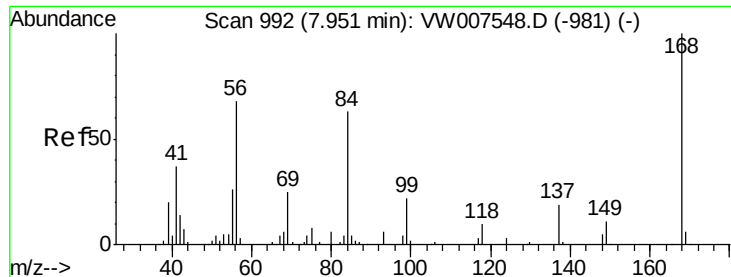
72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

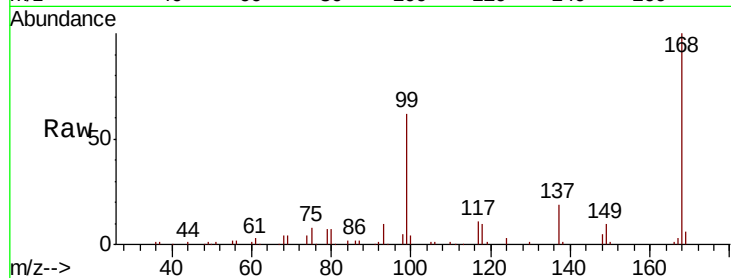




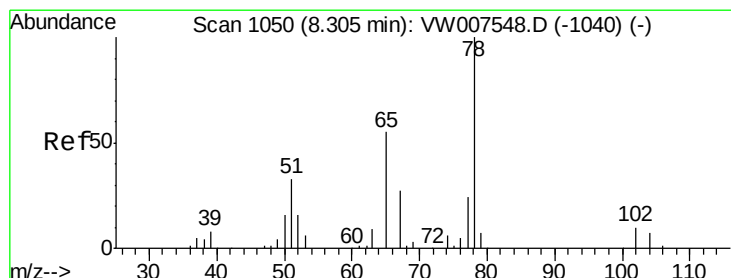
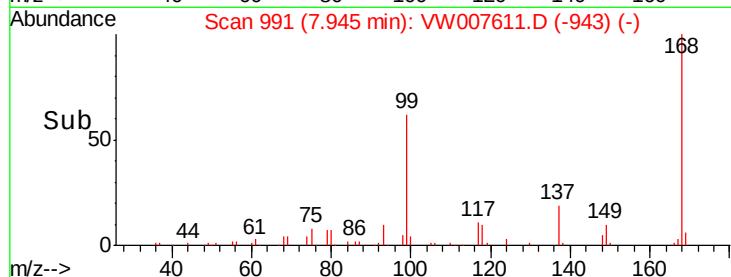
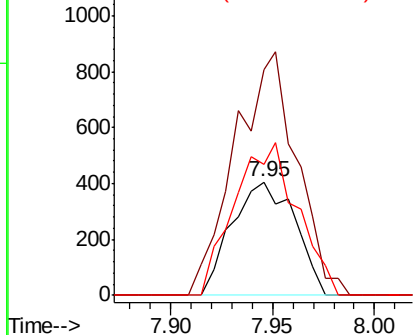
#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 869
Ion Ratio Lower Upper
56 100
69 199.3 28.9 43.3#
84 115.6 71.8 107.6#

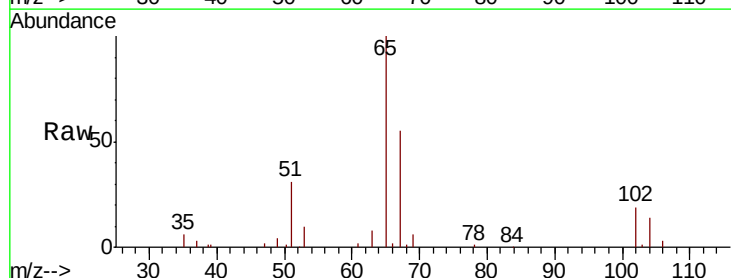


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

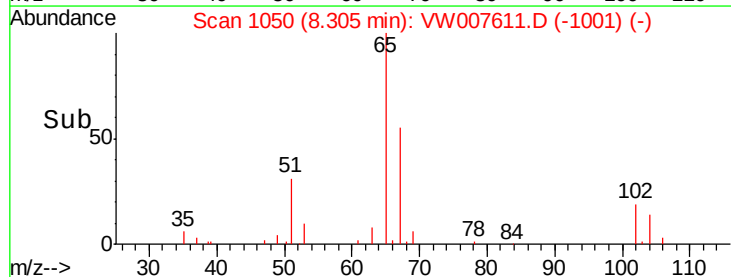
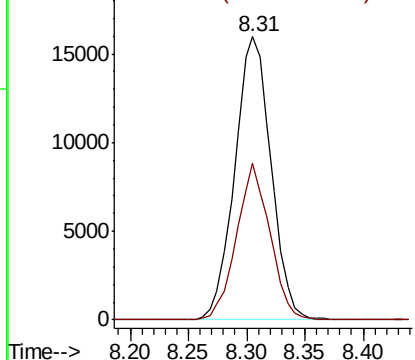


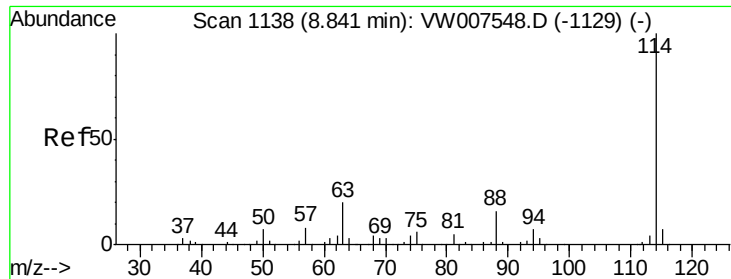
#33
1,2-Dichloroethane-d4
Concen: 66.417 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Tgt Ion: 65 Resp: 34654
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

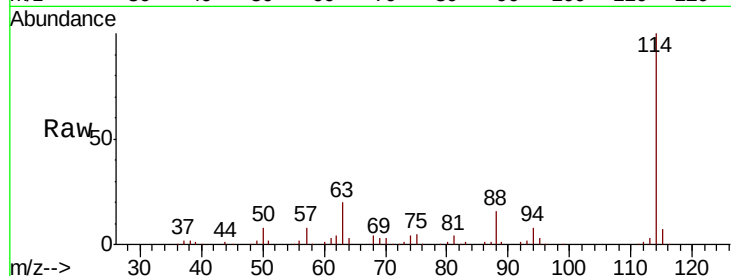




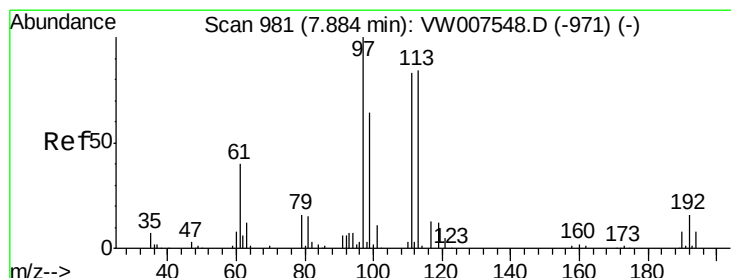
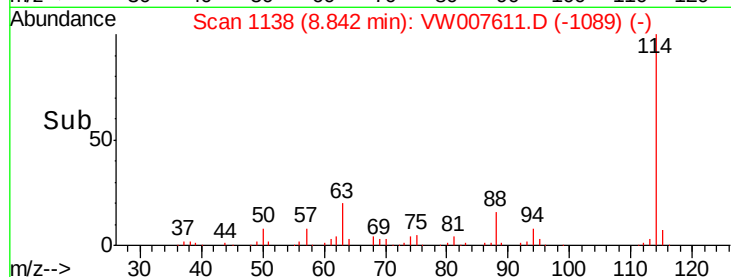
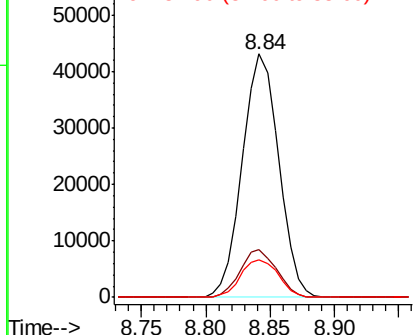
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 84460
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 15.6 0.0 31.4

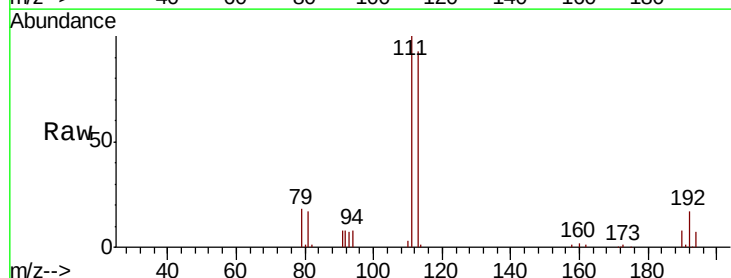


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

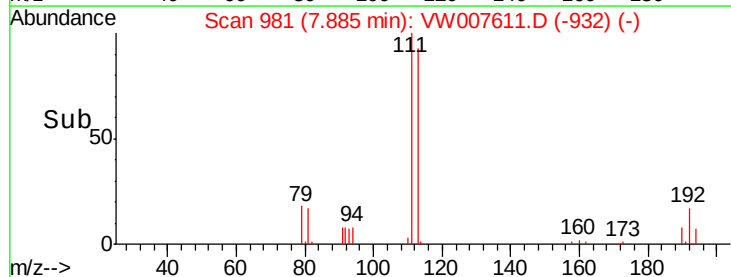
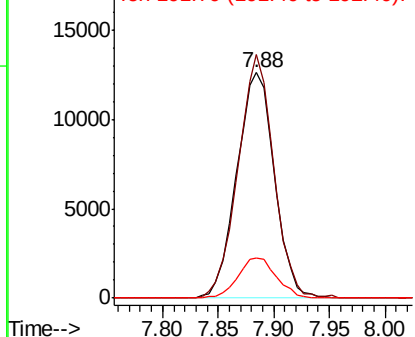


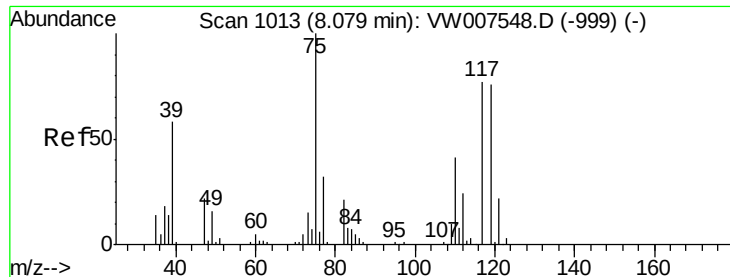
#35
Dibromofluoromethane
Concen: 57.907 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Tgt Ion:113 Resp: 29606
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.1 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

Instrument :

MSVOA_W

ClientSampleId :

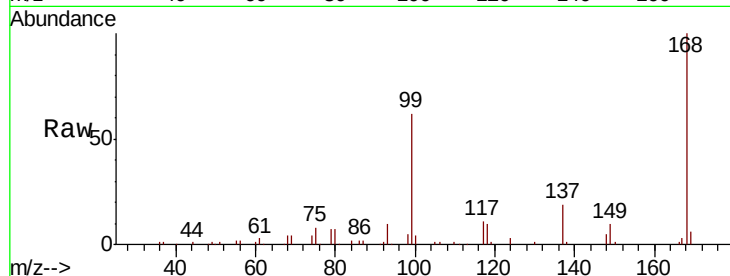
Tot Ion: 75 Resp: 3463

Ion Ratio Lower Upper

75 100

110 9.5 18.5 55.5#

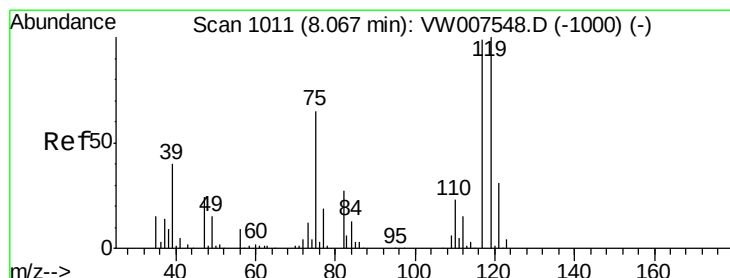
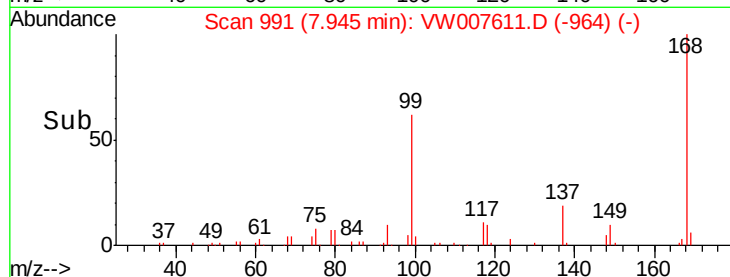
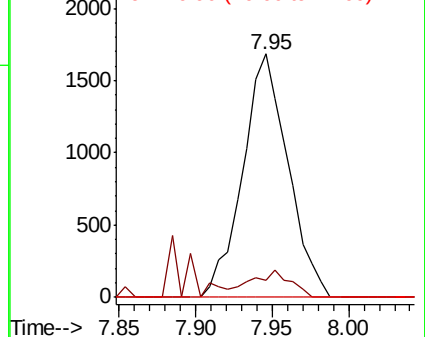
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.103 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

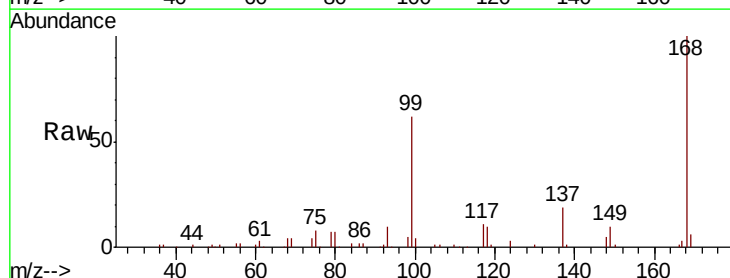
Tgt Ion: 117 Resp: 5116

Ion Ratio Lower Upper

117 100

119 5.5 74.3 111.5#

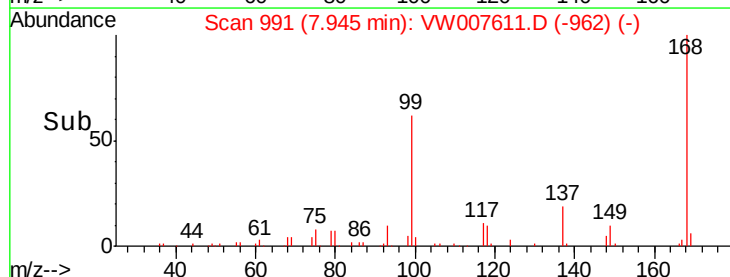
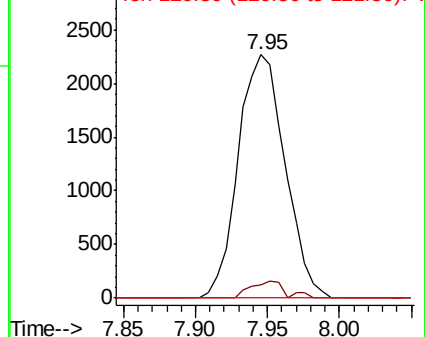
121 0.0 24.3 36.5#

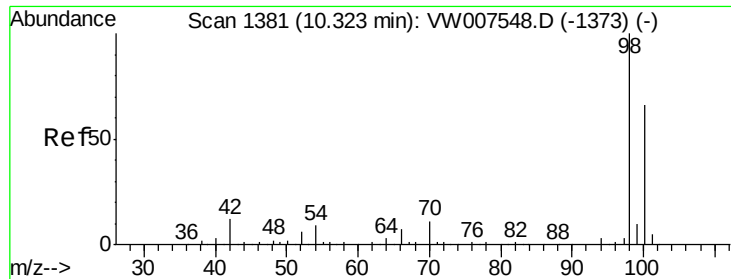


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

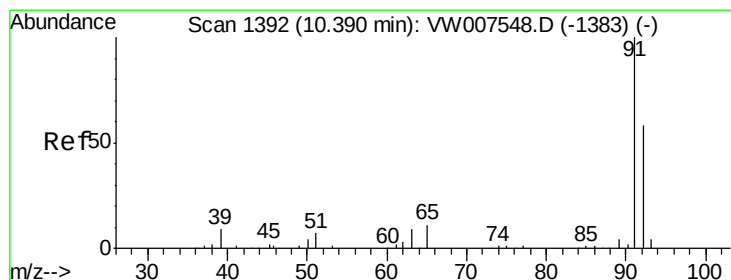
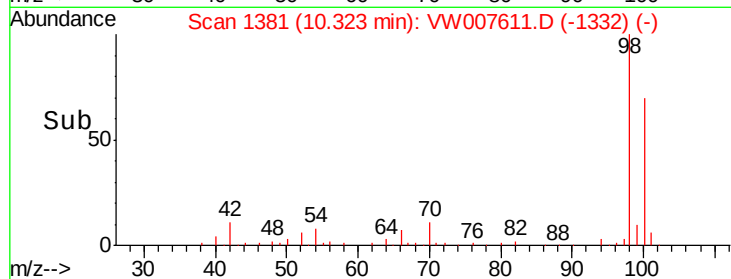
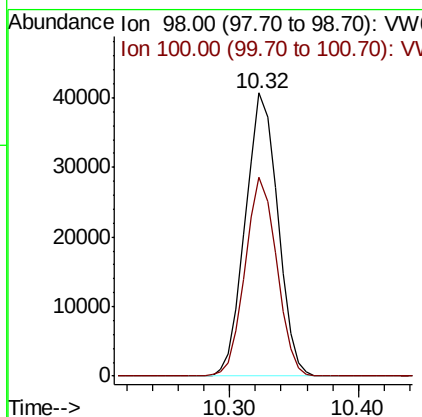
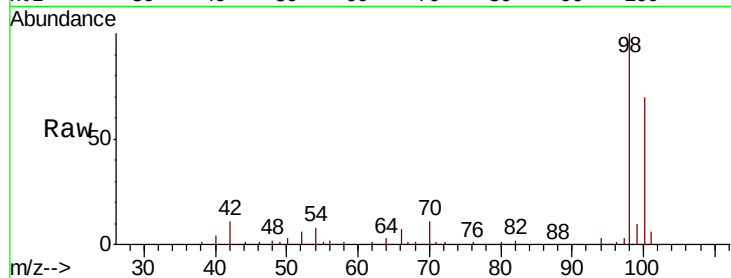




#50
Toluene-d8
Concen: 37.017 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

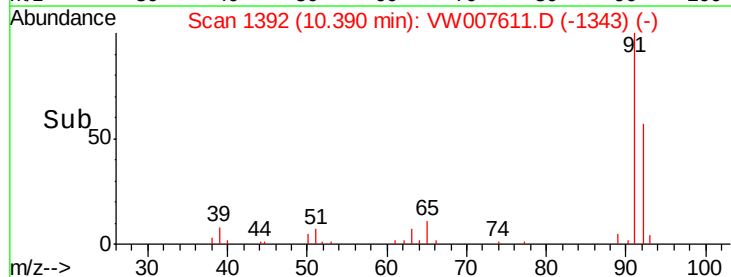
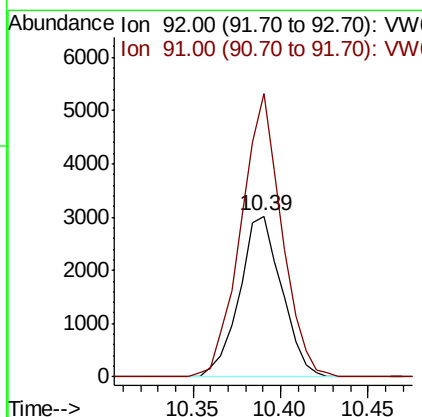
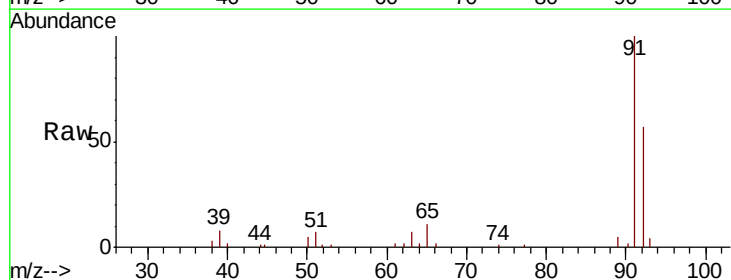
Instrument :
MSVOA_W
ClientSampleId :

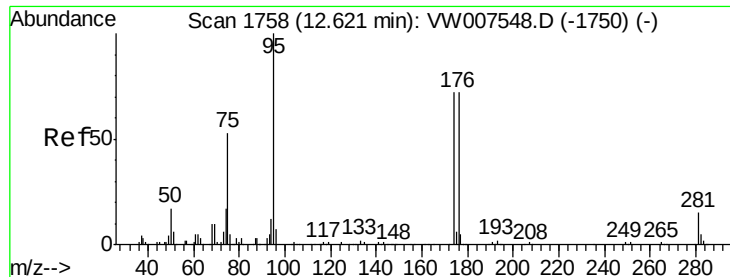
Tot Ion: 98 Resp: 70961
Ion Ratio Lower Upper
98 100
100 68.3 51.8 77.8



#52
Toluene
Concen: 3.668 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Tgt Ion: 92 Resp: 5076
Ion Ratio Lower Upper
92 100
91 170.0 136.2 204.2

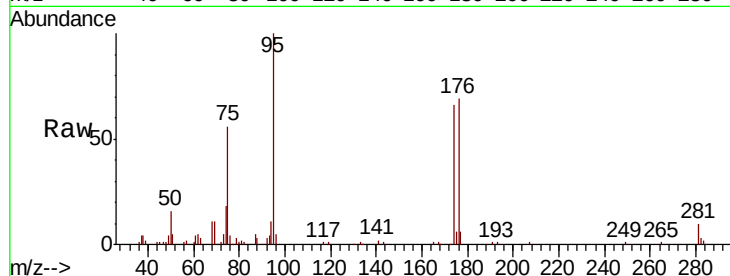




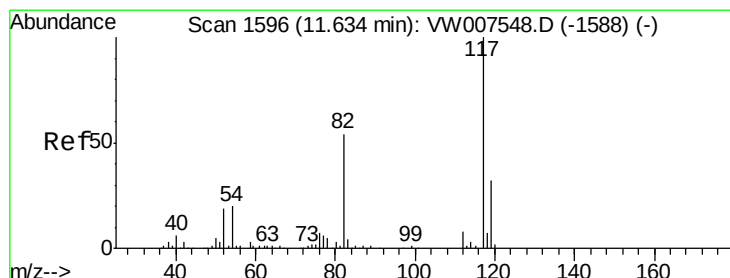
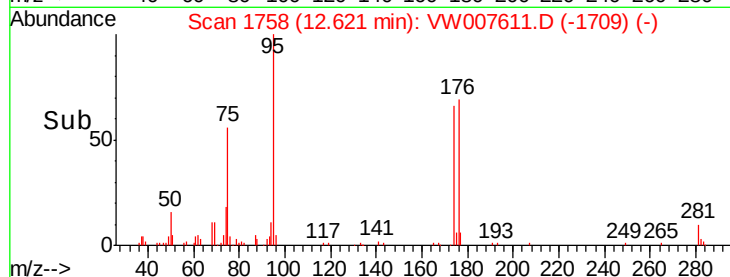
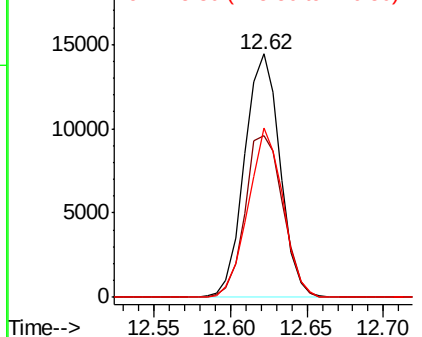
#62
4-Bromofluorobenzene
Concen: 33.041 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 23288
Ion Ratio Lower Upper
95 100
174 70.9 0.0 147.2
176 68.2 0.0 138.8

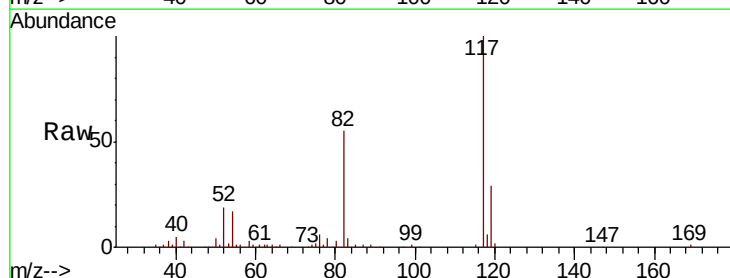


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

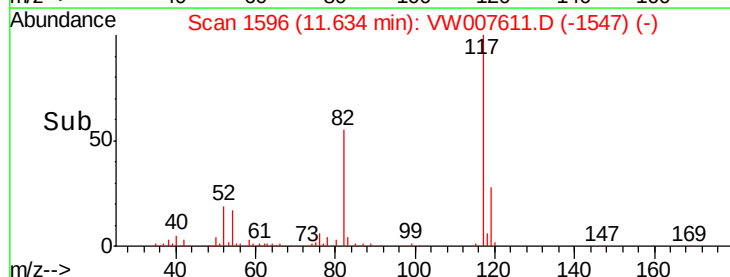
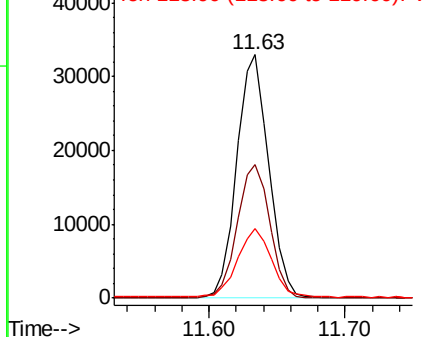


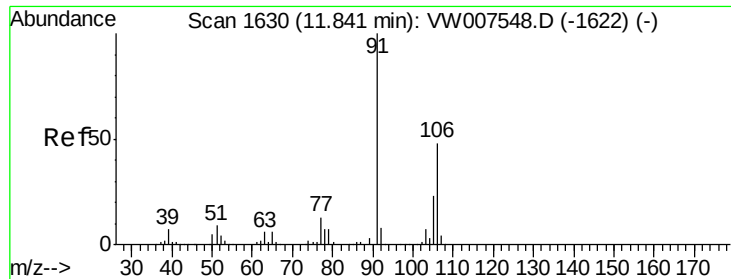
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Tgt Ion: 117 Resp: 53983
Ion Ratio Lower Upper
117 100
82 54.8 42.3 63.5
119 28.3 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW

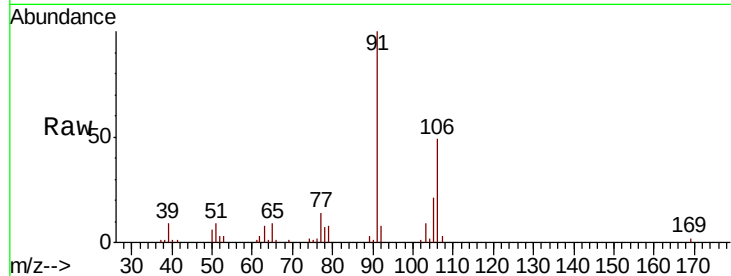




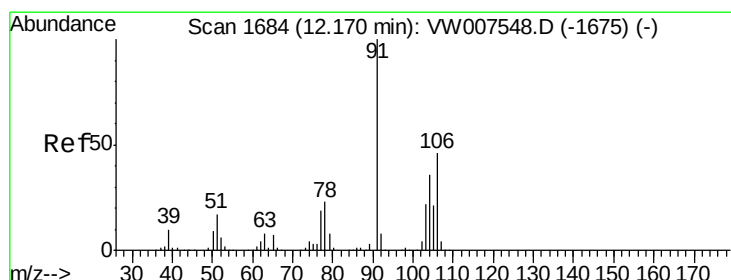
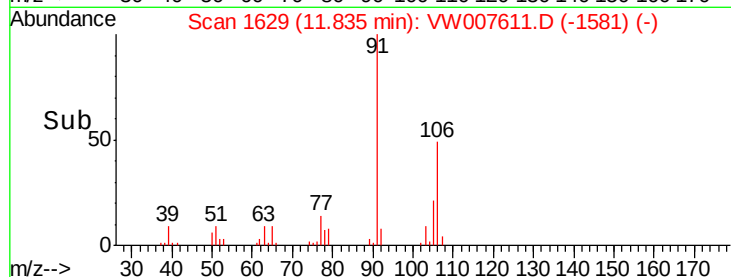
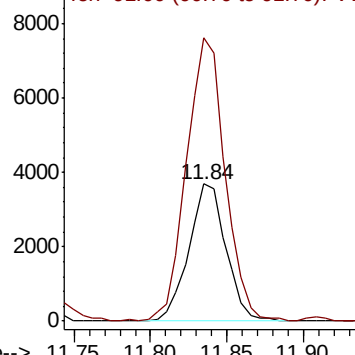
#68
m/p-Xylenes
Concen: 8.279 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 6226
Ion Ratio Lower Upper
106 100
91 214.2 165.3 247.9

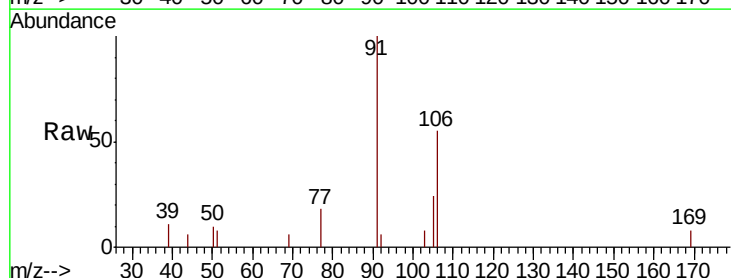


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

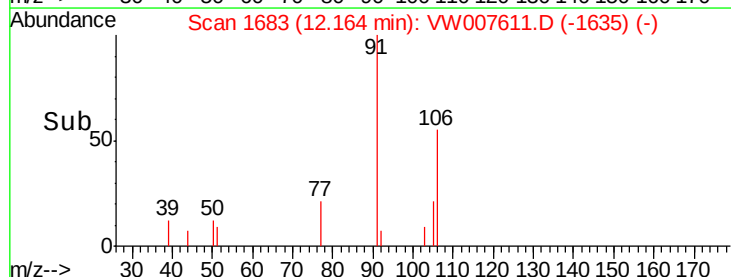
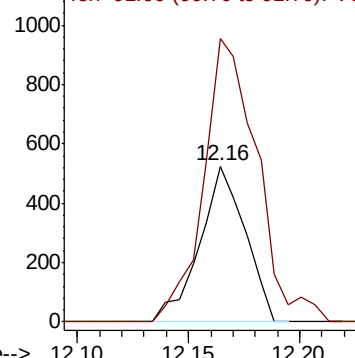


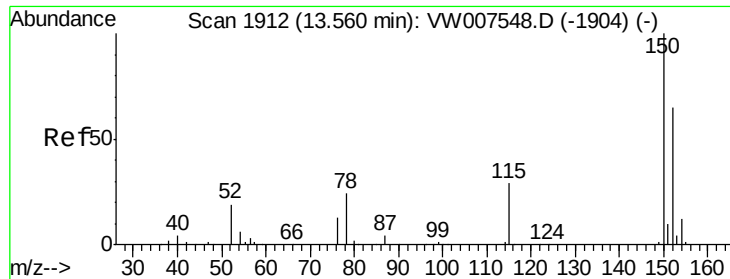
#69
o-Xylene
Concen: 1.064 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007611.D
Acq: 16 Dec 2018 05:32

Tgt Ion:106 Resp: 747
Ion Ratio Lower Upper
106 100
91 213.9 106.6 319.8



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

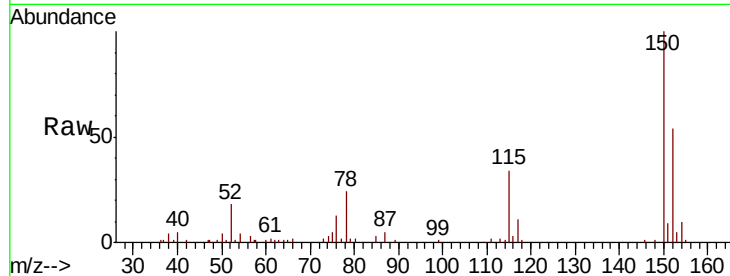




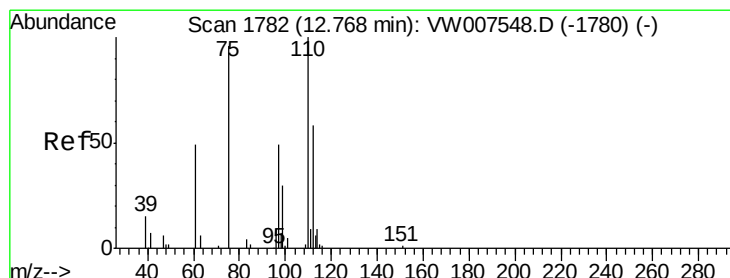
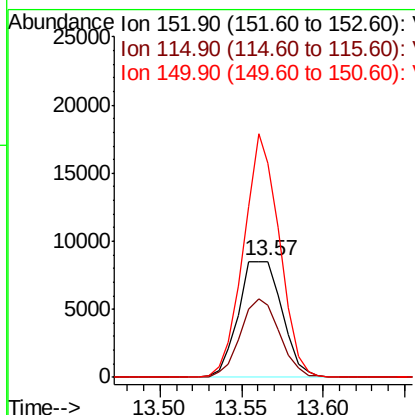
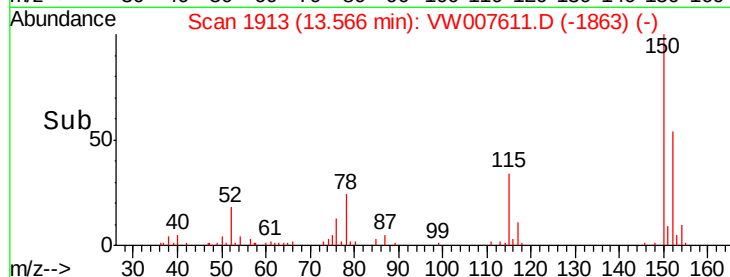
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VW007611.D
 Acq: 16 Dec 2018 05:32

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 15959
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.4 94.2
 150 170.8 0.0 358.4

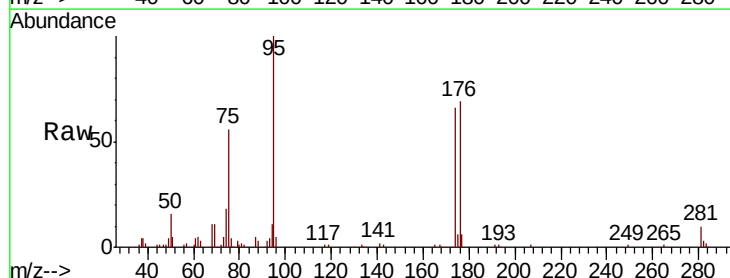


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

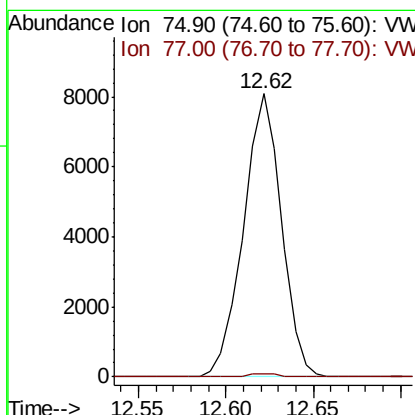
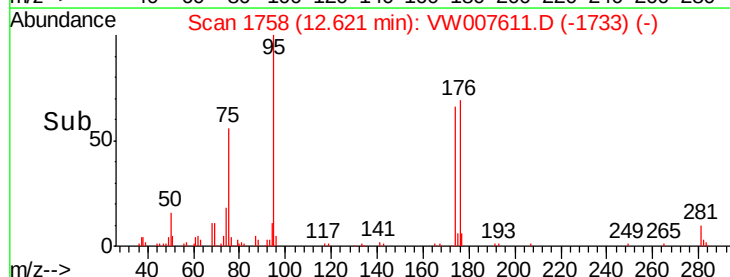


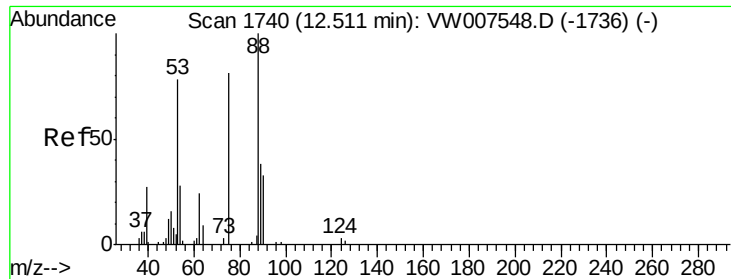
#76
 1,2,3-Trichloropropane
 Concen: 92.715 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007611.D
 Acq: 16 Dec 2018 05:32

Tgt Ion: 75 Resp: 12200
 Ion Ratio Lower Upper
 75 100
 77 0.7 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 204.807 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

Instrument :

MSVOA_W

ClientSampleId :

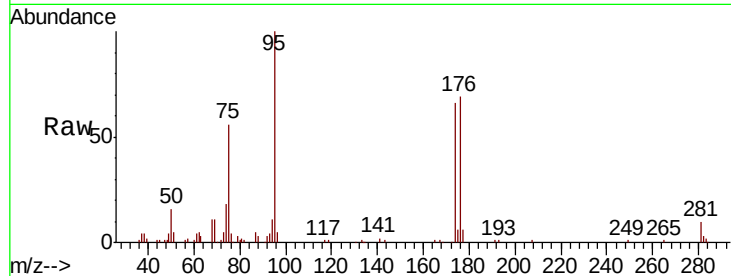
Tot Ion: 75 Resp: 12200

Ion Ratio Lower Upper

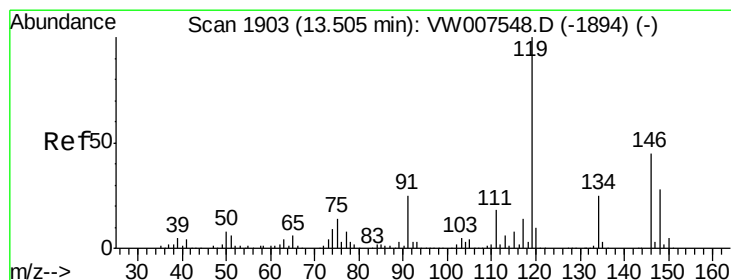
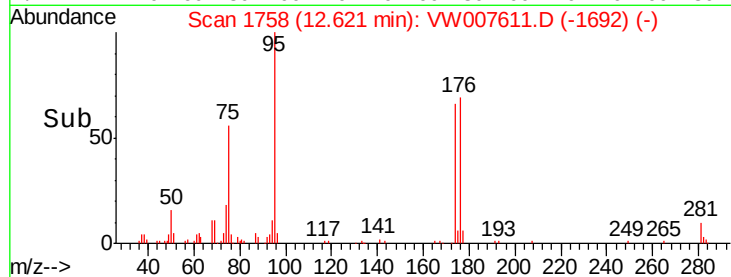
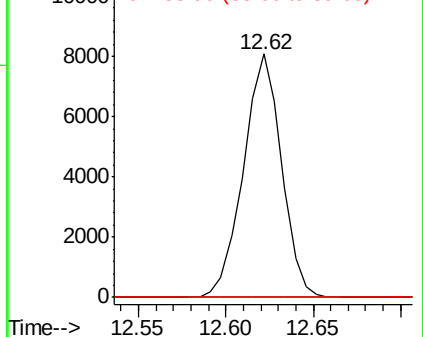
75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#87

1,3-Dichlorobenzene

Concen: 2.017 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.08 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

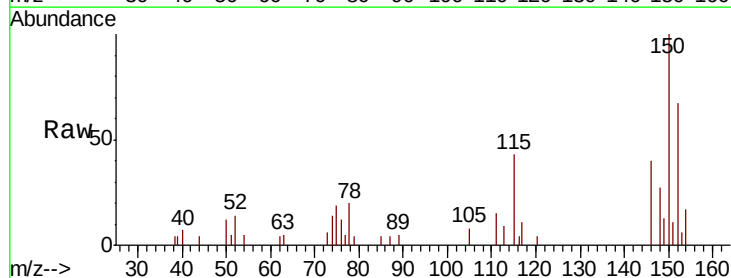
Tgt Ion: 146 Resp: 1090

Ion Ratio Lower Upper

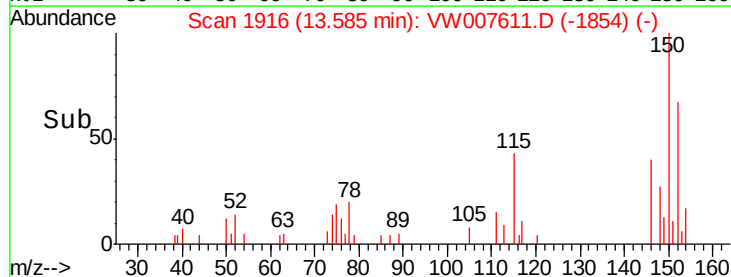
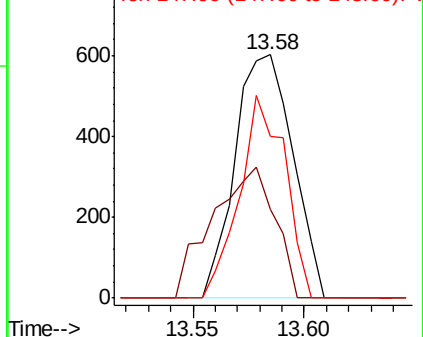
146 100

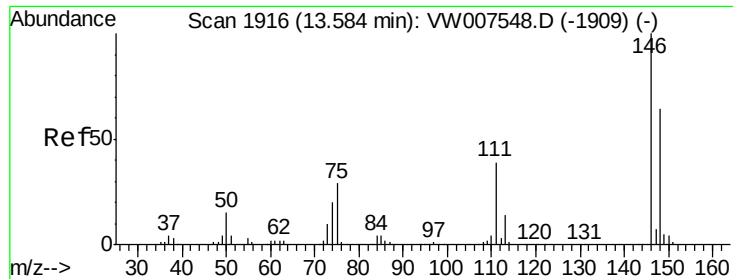
111 58.3 20.1 60.3

148 65.4 31.4 94.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.006 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007611.D

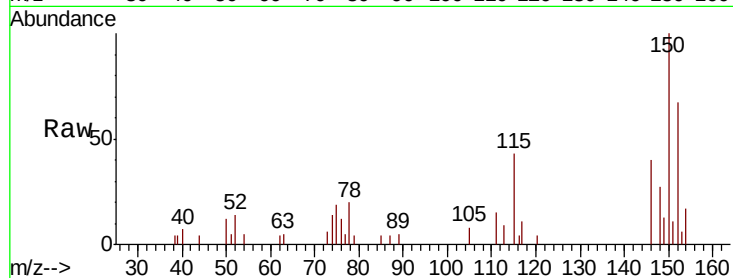
Acq: 16 Dec 2018 05:32

Instrument :

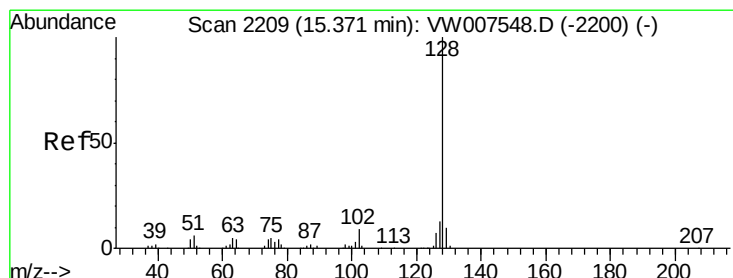
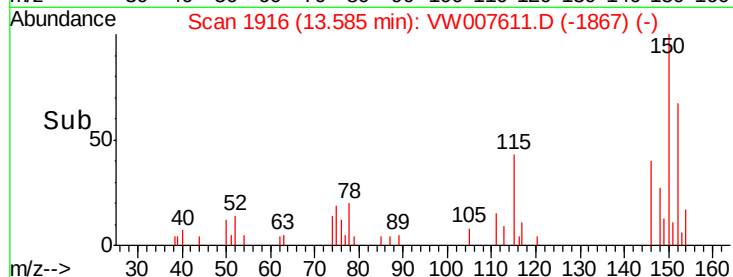
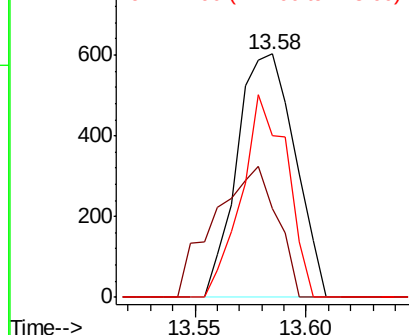
MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	1090
Ion	Ratio	Lower	Upper
146	100		
111	58.3	20.3	61.0
148	65.4	33.5	100.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 2.989 ug/l

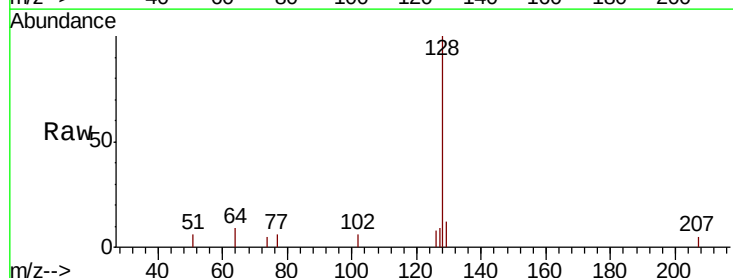
RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007611.D

Acq: 16 Dec 2018 05:32

Tgt Ion:	128	Resp:	1905
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.2	15.4#
129	8.2	8.3	12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

